November 2011 Quarterly Groundwater Monitoring Well Sampling Report Buildings 1 & 2

General Services Administration

Bannister Federal Complex

1500 East Bannister Road

Kansas City, Jackson County, Missouri

January 11, 2012

Terracon Project No. 02107144

Prepared for:

General Services Administration

Kansas City, Missouri

Prepared by:

Terracon Consultants, Inc.

Lenexa, Kansas

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January 11, 2012

Terracon

General Services Administration (GSA)
Heartland Region
1500 East Bannister Road, Room 2191
Kansas City, MO 64131

Attn: Mr. Kevin Phillips
Phone: 816.823.1220
Email: kevin.phillips@gsa.gov

Re: November 2011 Groundwater Monitoring Well Sampling Report
Bannister Federal Complex – Buildings 1 & 2
1500 East Bannister Road
Kansas City, Missouri 64131
Terracon Project Number: 02107144

Dear Mr. Phillips:

Terracon Consultants, Inc. (Terracon) is pleased to submit this report summarizing sampling of the Department of Energy (DOE) monitoring wells KC91-152U/L, KC91-156U/L, and KC91-157U/L for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and polychlorinated biphenyl (PCB) congeners at the General Services Administration (GSA) Federal Complex located at 1500 East Bannister Road, Kansas City, Missouri. Terracon personnel conducted the groundwater sampling on November 1, 2011.

Field and laboratory methods were performed consistent with Tetra Tech EM Inc.'s Work Plan and Quality Assurance Project Plan (Work Plan/QAPP) and the quality control requirements outlined therein. Specific sampling procedures and findings are presented in applicable sections of the Sampling Report.

We appreciate the opportunity to be of service and provide this information as part of the ongoing evaluation work at the Bannister Federal Complex. If you have any questions regarding this report, please call us at 913-492-7777.

Sincerely,
Terracon Consultants, Inc.

Wil W. King, P.G.
Senior Project Geologist

Eric J. Gorman, P.G.
Environmental Department Manager

Rebecca J. Nyght
Engineer-In-Training

Copies to: Addressee (2)

NOVEMBER 2011 GROUNDWATER MONITORING WELL SAMPLING REPORT

GENERAL SERVICES ADMINISTRATION
BANNISTER FEDERAL COMPLEX – BUILDINGS 1 & 2
1500 EAST BANNISTER ROAD
KANSAS CITY, MISSOURI 64131

TERRACON PROJECT NUMBER: 02107144
January 11, 2012

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) has completed monitoring well sampling activities at the site identified as the General Services Administration (GSA) Bannister Federal Complex (BFC) Buildings 1 & 2 located at 1500 East Bannister Road, Kansas City, Jackson County, Missouri. Monitoring well sampling activities were performed in general accordance with the Tetra Tech EM, Inc. (Tetra Tech) developed Work Plan and Quality Assurance Project Plan for Site Investigation and limited Removal Action Activities (Work Plan/QAPP), dated September 1, 2010 and subsequent addendum dated November 24, 2010. This report summarizes the activities conducted and the analytical results of the groundwater samples collected during the November 2011 groundwater sampling event.

1.1 Site Location Description

The BFC is a 300-acre federal complex, bordered on the north by a wooded bluff and Legacy Park, on the east by the Blue River and Blue River Road, on the south by Bannister Road and Indian Creek, and on the west by Troost Avenue. Building 1 and Building 2 are bordered by GSA buildings and parking to the north and west, by additional parking to the south, and by Honeywell Federal Manufacturing and Technologies to the east. The original BFC was established in 1942 to build aircraft engines for the U.S. Navy. After World War II, manufacture of aircraft engines continued on the west side of the BFC until the 1960s, while manufacture of non-nuclear components of nuclear weapons began at the east side of the BFC in 1949 as explained in the May 2008 Site Preliminary Assessment (PA) and Site Inspection Report performed by SCS Engineers (SCS). Currently, more than half of the BFC (generally the eastern portion of the BFC) is managed by the U.S. Department of Energy (DOE) as the Kansas City Plant (KCP), while the remaining portion of the BFC is managed by GSA and is used primarily as warehouse and office space.

Exhibit 1 provided in Appendix A, is a topographic map depicting the site location and surrounding properties. The site layout is illustrated on Exhibit 2, Appendix A.

2.0 MONITORING WELL SAMPLING ACTIVITIES

Terracon performed the following tasks as specified in the Environmental Protection Agency (EPA) approved Tetra Tech Work Plan/QAPP:

- Conducted groundwater sampling of six Department of Energy (DOE) monitoring wells, KC91-152U/L, KC91-156U/L, and KC91-157U/L (three nested pairs).

2.1 Groundwater Sampling Activities

Terracon personnel mobilized to the site on November 1, 2011 to gauge and sample the groundwater monitoring wells. An electronic interface probe (IFP) was used to measure the water level. Measurements were made of the depth to water and total well depth. Measurements were recorded to the nearest 0.01-foot, referenced from the surveyed mark at the top of the casing. Utilizing the recorded depth to water measurements and the established top of casing elevations, the groundwater elevation at each monitoring well location was calculated. The calculated groundwater elevations are presented in Table 1. Depth to groundwater measurements were collected from each of the six (three nested pairs) monitoring wells (KC91-152U/L, KC91-156U/L, and KC91-157U/L) on November 1, 2011.

All non-dedicated water level measuring equipment was decontaminated before and after measurements at each well location. Decontamination was accomplished following the procedure in Section 4.3.6 of the Work Plan/QAPP.

Following collection of depth to groundwater measurements, a dedicated bladder pump was lowered in each well so the pump intake was located approximately 2 feet above the bottom of the well, within the screen interval. Disposable polyethylene tubing was connected from the bladder pump to the surface/bladder pump controller.

Following the placement of the bladder pumps in each monitoring well, the monitoring wells were purged until water quality indicator parameters (i.e., pH, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and temperature) of the groundwater had stabilized (defined as three successive sets of values within ± 0.1 for pH, ± 3% for conductivity, ± 10 millivolts for ORP, and ± 10% for DO and temperature). Water quality indicator measurements were taken every four minutes, using low-flow rates on the order of 0.1 – 0.5 Liters/minute (L/min). The estimated flow rate was recorded on the well sampling logs.

Field parameter measurements were made using a YSI 556 Multi-Probe System (YSI 556) to measure pH, conductivity, temperature, DO, and ORP. Before obtaining these

measurements, the field instrumentation was properly calibrated, in accordance with manufacturer's specifications. Calibration was performed by Field Environmental Instruments (FEI), a Terracon equipment supplier, prior to use in the field. Final field measurements of pH, conductivity, temperature, DO, and ORP were performed following stabilization and recorded on the appropriate field log form.

After obtaining final field parameter measurements at each individual well, groundwater samples were immediately collected in laboratory-provided containers. Sampling flow rates were kept consistent with purge rates utilized.

After purging and sampling were completed at each well, the purge water was transferred from the 5-gallon buckets to a 55-gallon drum containing granular activated carbon (GAC drum) and discharged to the ground outside of the facility building. Fluid transfers from buckets to drums were made using a funnel, taking care not to spill the purge water.

The groundwater analytical laboratory results for the groundwater sampling event are summarized in Section 4.0 of this report and Tables 2.1 through 4.4 in Appendix B. Site layout and monitoring well locations are presented on Exhibit 2, Appendix A. A copy of the groundwater sample laboratory reports is included as Appendix C.

3.0 LABORATORY ANALYTICAL METHODS

Laboratory analytical testing of groundwater samples was performed by Environmental Science Corp. (ESC), located in Mt. Juliet, Tennessee, for VOCs using EPA SW-846 Method 8260B and for SVOCs using EPA SW-846 Method 8270. In addition, groundwater samples were analyzed by Columbia Analytical Services (CAS), located in Houston, Texas, for PCB congeners using EPA Method 1668A. Groundwater samples were preserved in accordance with the requirements of the methods utilized for laboratory analysis.

One field duplicate quality assurance/quality control (QA/QC) groundwater sample (collected from monitoring well KC91-152L) and one rinsate sample (collected from bladder pump prior to use) were collected for laboratory analysis by each laboratory. In addition, a trip blank was provided to ESC for laboratory analysis.

Samples were maintained in the custody of field personnel. After the samples were labeled, they were delivered, under chain-of-custody procedures, for transport to the laboratory. Sample handling and analysis procedures, provided in the approved Work Plan/QAPP prepared by Tetra Tech were used for this sampling event.

Laboratory analytical results are presented on Tables 2.1 through 4.4, Appendix B.

4.0 ANALYTICAL RESULTS

Laboratory detections that were reported below reporting limits but above sample-specific detection limits were J-coded. In example, 0.00002 J would be below the associated reporting limit but above the sample-specific detection limit.

4.1 VOCs in Groundwater

With the exception of toluene, cis-1,2-dichloroethene (cis-1,2-DCE) , trichloroethene (TCE), and vinyl chloride, VOCs were not reported above associated laboratory detection limits in the groundwater samples collected. The following table shows the reported VOC detections in the groundwater samples collected.

Contaminant	KC91-156U	KC91-157L	KC91-157U	EPA Tapw RSL	EPA MCL
Toluene	0.32 J	--	--	**860**	**1,000**
Cis-1,2-DCE	--	3.3	1.0	**28**	**70**
TCE	--	--	0.52 J	**0.44**	**5**
Vinyl Chloride	--	2.0	--	**0.015**	**2**

Vinyl chloride was detected in the groundwater sample collected from monitoring well KC91-157L at a concentration of 2.0 micrograms per liter (µg/L). The identified vinyl chloride concentration is above the EPA Tapwater RSL of 0.015 µg/L, and equal to the EPA MCL of 2 µg/L. In addition, TCE was detected in the groundwater sample collected from monitoring well KC91-157U at a concentration of 0.52 µg/L. The identified TCE concentration is above the EPA Tapwater RSL of 0.044 µg/L, but below the EPA MCL of 5 µg/L.

Laboratory groundwater results for VOCs are summarized in Tables 2.1 through 2.4 in Appendix B. Appendix C provides the associated laboratory analytical reports.

4.2 SVOCs in Groundwater

SVOCs were not reported above associated laboratory detection limits in the groundwater samples collected for laboratory analysis, with the exception of n-Nitrosodi-n-propylamine, bis(2-ethylhexyl)phthalate, di-n-butyl phthalate, and 2-Chlorophenol. The following table shows the reported SVOC detections in the groundwater samples collected.

Contaminant	KC91-152L	KC91-156L	KC91-156U	KC91-157L	KC91-157U	EPA Tapwater RSL	EPA MCL
n-Nitrosodi-n-propylamine	0.32 J	--	--	--	--	**0.0093**	**NE**
bis(2-ethylhexyl)phthalate	--	--	--	0.58 J	--	**0.071**	**6.0**
di-n-butyl phthalate	0.57 J	0.4 J	0.52 J	0.37 J	0.38 J	**670**	**NE**
2-Chlorophenol	0.2 J	--	--	--	--	**71**	**NE**

N-Nitrosodi-n-propylamine was detected in the groundwater sample collected from monitoring well KC91-152L at a concentration of 0.32 µg/L. The identified n-Nitrosodi-n-propylamine concentration is above the EPA Tapwater RSL of 0.0093 µg/L. The EPA MCL for n-Nitrosodi-n-propylamine is not established by the EPA. In addition, bis(2-ethylhexyl)phthalate was detected in the groundwater sample collected from monitoring well KC91-157L at a concentration of 0.58 µg/L. The identified bis(2-ethylhexyl)phthalate concentration is above the EPA Tapwater RSL of 0.071 µg/L, but below the EPA MCL of 6 µg/L.

It should be noted that bis(2-ethylhexyl)phthalate and di-n-butyl phthalate are common laboratory contaminants.

Laboratory groundwater results for SVOCs are summarized in Tables 3.1 through 3.4 in Appendix B. Appendix C provides the associated laboratory analytical reports.

4.3 PCBs in Groundwater

Various dioxin-like PCBs and non-dioxin-like PCBs (identified as all other PCBs) were reported at concentrations above the sample-specific detection limits in the groundwater samples collected. The identified PCB concentrations do not exceed the EPA Tapwater RSLs or EPA MCLs.

Laboratory groundwater results for PCBs are summarized in Tables 4.1 through 4.4 in Appendix B. Appendix C provides the associated laboratory analytical reports.

5.0 QUALITY CONTROL AND DATA VALIDATION

5.1 General Field Methods

Sample collection and analysis procedures were performed consistent with standard industry practice, EPA analytical protocols, and the EPA-approved Work Plan. Refer to Section 2.0, Section 3.0, and the Tetra Tech Work Plan and QAPP for additional details

regarding general field procedures. The following sections discuss quality control indicators in detail.

5.2 Holding Times and Detection Limits

Laboratory analyses were performed within the sample holding times prescribed by the specific analytical methods applied. In addition, laboratory detection limits for the contaminants of concern (VOCs, PCB, and SVOCs) were at or below EPA RSLs and/or MCLs. Appendix C laboratory reports outline the laboratory detection limits for each individual sample analysis.

5.3 Groundwater Duplicate Results

Terracon collected a duplicate groundwater sample from groundwater monitoring well KC91-152L. The duplicate sample is identified as KC91-DUP. Laboratory detections that were used in determining the relative percent difference (RPD) were below reporting limits but above sample-specific detection limits. A RPD value of 19% was calculated for di-n-butyl-phthalate, which is below the 20% data quality threshold. RPD values for PCB 118, PCB 105, and All Other PCBs had calculated RPDs of 48%, 36%, and 34%, which are above the 20% data quality threshold. The identified RPDs greater than 20% appear to be due to the J-coded PCB concentrations. RPDs were not calculated for the remaining VOCs, SVOCs, and PCBs, as they were not detected in groundwater samples KC91-DUP or KC91-152L. Table 5, Appendix B provides a summary of duplicate water data and associated RPD results.

5.4 Quality Assurance and Quality Control

Laboratory quality assurance and quality control (QA/QC) results – e.g., laboratory blank, matrix spike, matrix spike duplicate, etc. – were within acceptable ranges based on the internal Level IV data validation procedures performed by ESC and CAS. Tetra Tech will complete the external verification and validation of the laboratory data package. The Case Narrative summaries and quality control data packages provided in Appendix C provide additional details regarding laboratory QA/QC results.

5.5 Rinsate/Equipment Blank Results

Terracon collected a rinsate sample (equipment blank) from the bladder pump utilized in monitoring well KC91-152L (prior to use). The rinsate sample is identified as KC91-Rinsate. Bromodichloromethane, chloroform, di-n-butyl phthalate were reported below reporting limits but above sample-specific detection limits. All Other PCBs (non-dioxin like) were detected above the reporting limits at a concentration of 0.00372 µg/L but below the EPA RSL for Tapwater of 0.17 µg/l and EPA MCL of 0.5 µg/L. It should be noted that di-n-butyl phthalate is a common laboratory contaminant.

Table 2.4, 3.4, and 4.4 in Appendix B provide a summary of rinsate laboratory results.

5.6 Deviations from Work Plan

The EPA approved Work Plan/QAPP called for method 8082 to be used for the PCB analysis of samples. However, Method 1668A was used in the sample analysis. Method 1668A was used in an attempt to obtain required reporting limits.

6.0 SUMMARY AND CONCLUSIONS

6.1 Summary

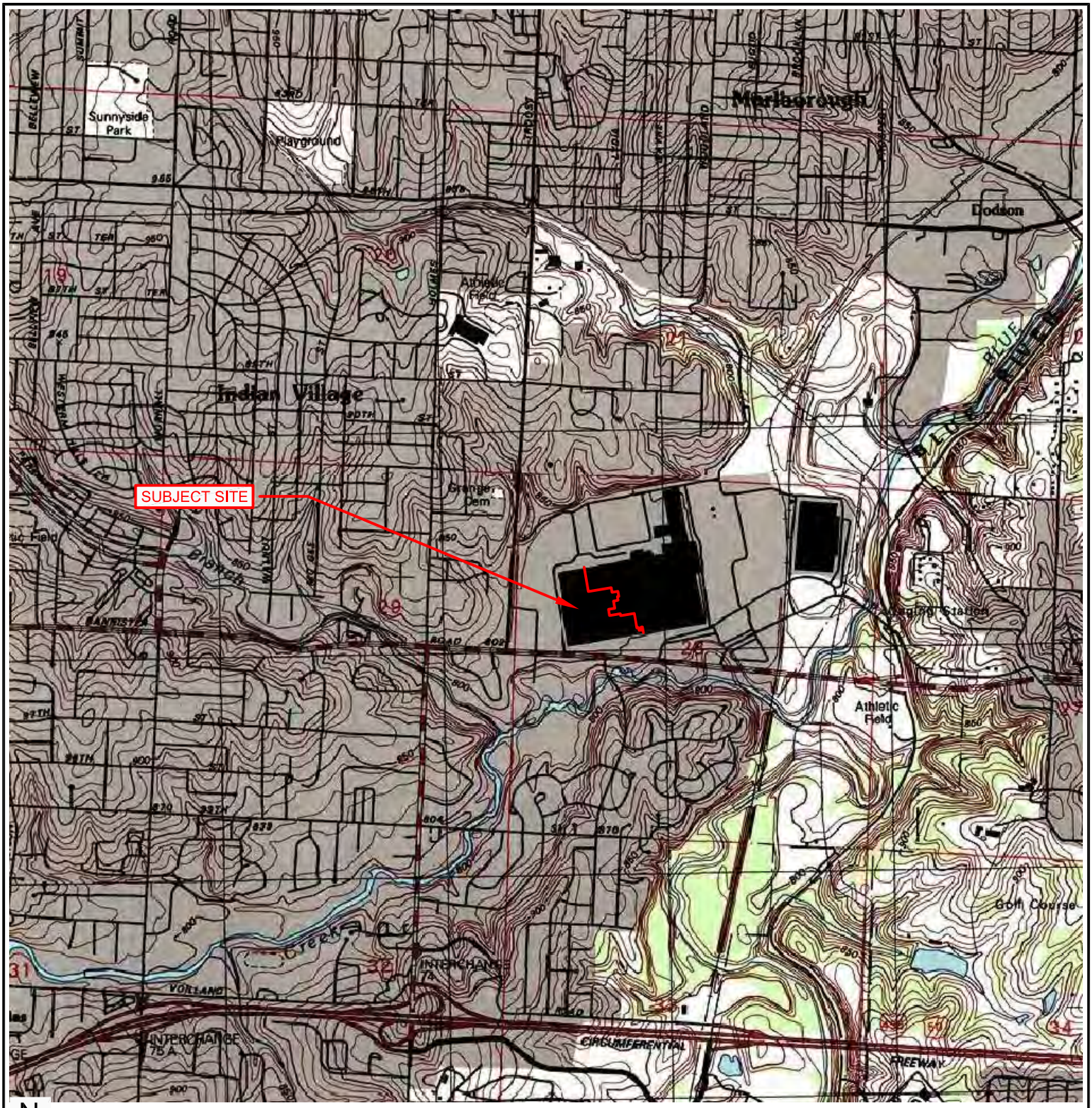
Based on laboratory analytical data, vinyl chloride was detected above the EPA Tapwater RSL, and equal to the EPA MCL in the groundwater sample collected from monitoring well KC91-157L. In addition, n-Nitrosodi-n-propylamine was detected in KC91-152L, TCE was detected in KC91-157U, and bis(2-ethylhexyl)phthalate was detected in KC91-157L above the sample-specific detection limit and the EPA Tapwater RSL. The remaining contaminants of concern were not detected above the Tapwater RSLs and/or MCLs.

6.2 Conclusions

Based on the results of the November 2011 groundwater sampling event, vinyl chloride and n-Nitrosodi-n-propylamine are present on-site above the EPA RSL for Tapwater.

APPENDIX A

EXHIBITS



N

0 1000' 2,000' 4,000'

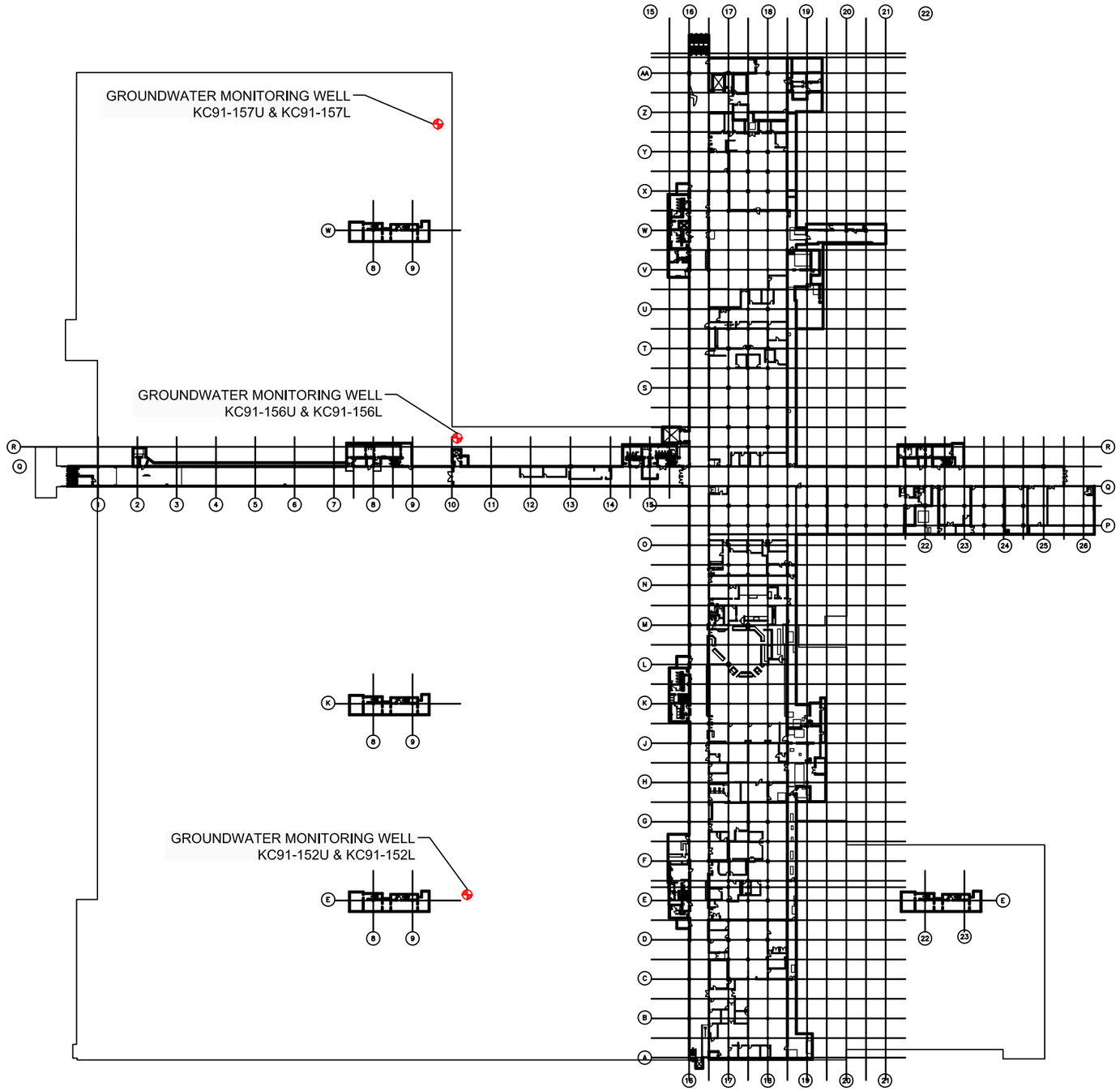
U.S.G.S. 7.5 MINUTE SERIES TOPOGRAPHIC MAP

STATE OF KANSAS-MISSOURI QUADRANGLE
GRANDVIEW 1996

Project Mngr: WWK	Project No. 02117144	Terracon Consulting Engineers and Scientists	EXHIBIT 1 - TOPOGRAPHIC MAP
Approved By: WWK	Scale: 1" = 2000'	13910 W. 96TH TERRACE LENEXA, KS 66215	BUILDING 1 & 2 GROUNDWATER SAMPLING
Checked By: WWK	Date: 5/15/11	PH. (913) 492-7777 FAX. (913) 492-7443	1500 E BANNISTER ROAD
Drawn By: DBM	File No. 107144E1.DWG		KANSAS CITY, MISSOURI

EXHIBIT

1



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LEGEND

GROUNDWATER SAMPLE LOCATION

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BASE FIGURE PROVIDED BY TETRA TECH

Project Mngr: WWK	Project No. 02107144
Drawn By: DBM	Scale: NOT TO SCALE
Checked By: WWK	File No. building 1&2 ground water sampling
Approved By: WWK	Date: 05/16/11

Terracon
Consulting Engineers and Scientists
13910 W. 96TH TERRACE KANSAS CITY, KS 66215
PH. (913) 492-7777 FAX. (913) 492-7443

EXHIBIT 2 - SAMPLE LOCATION DIAGRAM

BUILDING 1 & 2 GROUNDWATER SAMPLING

1500 E BANNISTER ROAD
KANSAS CITY, MISSOURI

Exhibit # 2

APPENDIX B

TABLES

Table 1
Groundwater Elevation Data
General Services Administration - Building 1 & Building 2
Terracon Project No. 02107144

Well Number	Date Measured	Top of Casing Elevation (Feet)	Static Water Level (Feet BTOC)	Groundwater Elevation (Feet)	Length of Water (Feet)	Total Depth (Feet BGS)	Screen Interval (Feet BTOC)
KC91-152 L	**11/1/2011**	800.26	15.80	784.46	25.29	41.09	36.5 to 41.5
KC91-152 U	**11/1/2011**	800.24	15.09	785.15	4.92	20.01	9.5 to 19.5
KC91-156 L	**11/1/2011**	800.15	14.42	785.73	23.67	38.09	33.5 to 38.5
KC91-156 U	**11/1/2011**	800.13	14.40	785.73	5.61	20.01	9.5 to 19.5
KC91-157 L	**11/1/2011**	800.07	13.02	787.05	24.60	37.62	33.0 to 38.0
KC91-157 U	**11/1/2011**	800.01	12.96	787.05	7.06	20.02	9.5 to 19.5

Notes:

Top of casing elevations were provided by Honeywell on April 1, 2011

BGS = Below Grade Surface

BTOC= Below Top of Casing

Table 2.1
Analytical Data Summary for Building 1 & 2 - VOCs In Groundwater
Monitoring Wells KC91-152U / L
General Services Administration Bannister Federal Complex
Kansas City, Missouri

Sample I.D.		KC91-152L				KC91-152U				KC91-DUP (KC91-152L)		Tapwater RSL (ug/l)	MCL (ug/l)
Sample Date		1/19/2011	4/19/2011	7/21/2011	11/1/2011	1/19/2011	4/19/2011	7/21/2011	11/1/2011	7/21/2011	11/1/2011		
Units	CAS Number	All concentrations provided in micrograms per liter (µg/L)											
Acetone	67-64-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12000	NE
Acrolein	107-02-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.041	NE
Acrylonitrile	107-13-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.045	NE
Benzene	71-43-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39	5
Bromobenzene	108-86-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54	NE
Bromodichloromethane	75-27-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	80
Bromoform	75-25-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	80
Bromomethane	74-83-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	NE
n-Butylbenzene	104-51-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	780	NE
sec-Butylbenzene	135-98-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
tert-Butylbenzene	98-06-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Carbon tetrachloride	56-23-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39	5
Chlorobenzene	108-90-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72	100
Chlorodibromomethane	124-48-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	80
Chloroethane	75-00-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21000	NE
2-Chloroethyl vinyl ether	110-75-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Chloroform	67-66-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19	80
Chloromethane	74-87-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
2-Chlorotoluene	95-49-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	NE
4-Chlorotoluene	106-43-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
1,2-Dibromo-3-Chloropropane	96-12-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00032	0.2
1,2-Dibromoethane	106-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0065	0.05
Dibromomethane	74-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	NE
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	280	600
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42	75
Dichlorodifluoromethane	75-71-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	NE
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	5
1,1-Dichloroethene	75-35-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	7
cis-1,2-Dichloroethene	156-59-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	70
trans-1,2-Dichloroethene	156-60-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86	100
1,2-Dichloropropane	78-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	5
1,1-Dichloropropene	563-58-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,3-Dichloropropane	142-28-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	290	NE
cis-1,3-Dichloropropene	10061-01-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
trans-1,3-Dichloropropene	10061-02-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2,2-Dichloropropane	594-20-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Di-isopropyl ether	108-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1500	NE
Ethylbenzene	100-41-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	700
Hexachloro-1,3-butadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	NE
Isopropylbenzene	98-82-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	NE
p-Isopropyltoluene	99-87-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2-Butanone (MEK)	78-93-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4900	NE
Methylene Chloride	75-09-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7	5
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000	NE
Methyl tert-butyl ether	1634-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	NE
Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	NE
n-Propylbenzene	103-65-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	530	NE
Styrene	100-42-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	100
1,1,1,2-Tetrachloroethane	630-20-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	NE
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.066	NE
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53000	NE
Tetrachloroethene	127-18-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.072	5
Toluene	108-88-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	860	1000
1,2,3-Trichlorobenzene	87-61-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	NE
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	70
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7500	200
1,1,2-Trichloroethane	79-00-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24	5
Trichloroethene	79-01-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44	5
Trichlorofluoromethane	75-69-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	NE
1,2,3-Trichloropropane	96-18-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00065	NE
1,2,4-Trimethylbenzene	95-63-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	NE
1,2,3-Trimethylbenzene	526-73-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	NE
1,3,5-Trimethylbenzene	108-67-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	87	NE
Vinyl chloride	75-01-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015	2
Xylenes, Total	1330-20-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	10000

Sources:

Environmental Science Corp., 2011

Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:

ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" J " = Laboratory detection reported below reporting limit but above sample-specific detection limit.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits
Bold = Indicates analyte reported above the EPA Tapwater RSL and/or MCL

Table 2.2
Analytical Data Summary for Building 1 & 2 - VOCs In Groundwater
Monitoring Wells KC91-156U / L
General Services Administration Bannister Federal Complex
Kansas City, Missouri

Sample I.D.		KC91-156L				KC91-156U				KC91-DUP (KC91-156L)	Tapwater RSL (ug/l)	MCL (ug/l)
Sample Date		1/19/2011	4/19/2011	7/21/2011	11/1/2011	1/19/2011	4/19/2011	7/21/2011	11/1/2011	4/19/2011		
Units	CAS Number	All concentrations provided in micrograms per liter (µg/L)										
Acetone	67-64-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	12000	NE
Acrolein	107-02-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.041	NE
Acrylonitrile	107-13-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.045	NE
Benzene	71-43-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39	5
Bromobenzene	108-86-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	54	NE
Bromodichloromethane	75-27-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	80
Bromoform	75-25-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	80
Bromomethane	74-83-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	NE
n-Butylbenzene	104-51-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	780	NE
sec-Butylbenzene	135-98-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
tert-Butylbenzene	98-06-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Carbon tetrachloride	56-23-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39	5
Chlorobenzene	108-90-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	72	100
Chlorodibromomethane	124-48-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	80
Chloroethane	75-00-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	21000	NE
2-Chloroethyl vinyl ether	110-75-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Chloroform	67-66-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19	80
Chloromethane	74-87-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
2-Chlorotoluene	95-49-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	NE
4-Chlorotoluene	106-43-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
1,2-Dibromo-3-Chloropropane	96-12-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00032	0.2
1,2-Dibromoethane	106-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0065	0.05
Dibromomethane	74-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	NE
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	280	600
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42	75
Dichlorodifluoromethane	75-71-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	NE
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	5
1,1-Dichloroethene	75-35-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	7
cis-1,2-Dichloroethene	156-59-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	70
trans-1,2-Dichloroethene	156-60-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	86	100
1,2-Dichloropropane	78-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	5
1,1-Dichloropropene	563-58-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,3-Dichloropropane	142-28-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	290	NE
cis-1,3-Dichloropropene	10061-01-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
trans-1,3-Dichloropropene	10061-02-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2,2-Dichloropropane	594-20-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Di-isopropyl ether	108-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	1500	NE
Ethylbenzene	100-41-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	700
Hexachloro-1,3-butadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	NE
Isopropylbenzene	98-82-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	NE
p-Isopropyltoluene	99-87-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2-Butanone (MEK)	78-93-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	4900	NE
Methylene Chloride	75-09-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7	5
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000	NE
Methyl tert-butyl ether	1634-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	NE
Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	NE
n-Propylbenzene	103-65-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	530	NE
Styrene	100-42-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	100
1,1,1,2-Tetrachloroethane	630-20-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	NE
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.066	NE
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	53000	NE
Tetrachloroethene	127-18-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.072	5
Toluene	108-88-3	ND	ND	ND	ND	ND	ND	ND	**0.32 J**	ND	860	1000
1,2,3-Trichlorobenzene	87-61-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	NE
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	70
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	7500	200
1,1,2-Trichloroethane	79-00-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24	5
Trichloroethene	79-01-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44	5
Trichlorofluoromethane	75-69-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	NE
1,2,3-Trichloropropane	96-18-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00065	NE
1,2,4-Trimethylbenzene	95-63-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	NE
1,2,3-Trimethylbenzene	526-73-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	NE
1,3,5-Trimethylbenzene	108-67-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	87	NE
Vinyl chloride	75-01-4	ND	**0.35 J**	ND	ND	ND	ND	ND	ND	ND	0.015	2
Xylenes, Total	1330-20-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	10000

Sources:
Environmental Science Corp., 2011
Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:
ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" J " = Laboratory detection reported below reporting limit but above sample-specific detection limit.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits
Bold = Indicates analyte reported above the EPA Tapwater RSL and/or MCL

Table 2.3
Analytical Data Summary for Building 1 & 2 - VOCs In Groundwater
Monitoring Wells KC91-157U / L
General Services Administration Bannister Federal Complex
Kansas City, Missouri

Sample I.D.		KC91-157L				KC91-157U				KC91-DUP (KC91-157L)	Tapwater RSL (ug/l)	MCL (ug/l)
Sample Date		1/19/2011	4/19/2011	7/21/2011	11/1/2011	1/19/2011	4/19/2011	7/21/2011	11/1/2011	1/19/2011		
Units	CAS Number	All concentrations provided in micrograms per liter (µg/L)										
Acetone	67-64-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	12000	NE
Acrolein	107-02-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.041	NE
Acrylonitrile	107-13-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.045	NE
Benzene	71-43-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39	5
Bromobenzene	108-86-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	54	NE
Bromodichloromethane	75-27-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	80
Bromoform	75-25-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	80
Bromomethane	74-83-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	NE
n-Butylbenzene	104-51-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	780	NE
sec-Butylbenzene	135-98-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
tert-Butylbenzene	98-06-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Carbon tetrachloride	56-23-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39	5
Chlorobenzene	108-90-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	72	100
Chlorodibromomethane	124-48-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	80
Chloroethane	75-00-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	21000	NE
2-Chloroethyl vinyl ether	110-75-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Chloroform	67-66-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19	80
Chloromethane	74-87-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
2-Chlorotoluene	95-49-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	NE
4-Chlorotoluene	106-43-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
1,2-Dibromo-3-Chloropropane	96-12-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00032	0.2
1,2-Dibromoethane	106-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0065	0.05
Dibromomethane	74-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	NE
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	280	600
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42	75
Dichlorodifluoromethane	75-71-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	NE
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	5
1,1-Dichloroethene	75-35-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	7
cis-1,2-Dichloroethene	156-59-2	**2.9**	**3**	**2.6**	**3.3**	**0.82 J**	**0.99 J**	**0.97 J**	**1.0**	**2.6**	28	70
trans-1,2-Dichloroethene	156-60-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	86	100
1,2-Dichloropropane	78-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	5
1,1-Dichloropropene	563-58-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,3-Dichloropropane	142-28-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	290	NE
cis-1,3-Dichloropropene	10061-01-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
trans-1,3-Dichloropropene	10061-02-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2,2-Dichloropropane	594-20-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Di-isopropyl ether	108-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	1500	NE
Ethylbenzene	100-41-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	700
Hexachloro-1,3-butadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	NE
Isopropylbenzene	98-82-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	NE
p-Isopropyltoluene	99-87-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2-Butanone (MEK)	78-93-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	4900	NE
Methylene Chloride	75-09-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7	5
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000	NE
Methyl tert-butyl ether	1634-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	NE
Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	NE
n-Propylbenzene	103-65-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	530	NE
Styrene	100-42-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	100
1,1,1,2-Tetrachloroethane	630-20-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	NE
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.066	NE
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	53000	NE
Tetrachloroethene	127-18-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.072	5
Toluene	108-88-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	860	1000
1,2,3-Trichlorobenzene	87-61-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	NE
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	70
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	7500	200
1,1,2-Trichloroethane	79-00-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24	5
Trichloroethene	79-01-6	ND	ND	ND	ND	**0.52 J**	**0.51 J**	**0.45 J**	**0.52 J**	ND	0.44	5
Trichlorofluoromethane	75-69-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	NE
1,2,3-Trichloropropane	96-18-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00065	NE
1,2,4-Trimethylbenzene	95-63-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	NE
1,2,3-Trimethylbenzene	526-73-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	NE
1,3,5-Trimethylbenzene	108-67-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	87	NE
Vinyl chloride	75-01-4	**1.5**	**1.7**	**1.5**	**2.0**	ND	ND	ND	ND	**1.4**	0.015	2
Xylenes, Total	1330-20-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	10000

Sources:

Environmental Science Corp., 2011

Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:

ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" J " = Laboratory detection reported below reporting limit but above sample-specific detection limit.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits
Bold = Indicates analyte reported above the EPA Tapwater RSL and/or MCL

Table 2.4
Analytical Data Summary for Building 1 & 2 - VOCs In Groundwater
Rinsate and Trip Blank
General Services Administration Bannister Federal Complex
Kansas City, Missouri

Sample I.D.		KC91-RINSATE				TRIP BLANK				Tapwater RSL (ug/l)	MCL (ug/l)
Sample Date		1/19/2011	4/19/2011	7/21/2011	11/1/2011	1/19/2011	4/19/2011	7/21/2011	11/1/2011		
Units	CAS Number	All concentrations provided in micrograms per liter (µg/L)									
Acetone	67-64-1	ND	ND	ND	ND	ND	ND	ND	ND	12000	NE
Acrolein	107-02-8	ND	ND	ND	ND	ND	ND	ND	ND	0.041	NE
Acrylonitrile	107-13-1	ND	ND	ND	ND	ND	ND	ND	ND	0.045	NE
Benzene	71-43-2	ND	ND	ND	ND	ND	ND	ND	ND	0.39	5
Bromobenzene	108-86-1	ND	ND	ND	ND	ND	ND	ND	ND	54	NE
Bromodichloromethane	75-27-4	ND	ND	ND	**0.38 J**	ND	ND	ND	ND	0.12	80
Bromoform	75-25-2	ND	ND	ND	ND	ND	ND	ND	ND	7.9	80
Bromomethane	74-83-9	ND	ND	ND	ND	ND	ND	ND	ND	7	NE
n-Butylbenzene	104-51-8	ND	ND	ND	ND	ND	ND	ND	ND	780	NE
sec-Butylbenzene	135-98-8	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
tert-Butylbenzene	98-06-6	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Carbon tetrachloride	56-23-5	ND	ND	ND	ND	ND	ND	ND	ND	0.39	5
Chlorobenzene	108-90-7	ND	ND	ND	ND	ND	ND	ND	ND	72	100
Chlorodibromomethane	124-48-1	ND	ND	ND	ND	ND	ND	ND	ND	0.15	80
Chloroethane	75-00-3	ND	ND	ND	ND	ND	ND	ND	ND	21000	NE
2-Chloroethyl vinyl ether	110-75-8	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Chloroform	67-66-3	**0.43 J**	**0.69 J**	ND	**0.79 J**	ND	ND	ND	ND	0.19	80
Chloromethane	74-87-3	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
2-Chlorotoluene	95-49-8	ND	ND	ND	ND	ND	ND	ND	ND	180	NE
4-Chlorotoluene	106-43-4	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
1,2-Dibromo-3-Chloropropane	96-12-8	ND	ND	ND	ND	ND	ND	ND	ND	0.00032	0.2
1,2-Dibromoethane	106-93-4	ND	ND	ND	ND	ND	ND	ND	ND	0.0065	0.05
Dibromomethane	74-95-3	ND	ND	ND	ND	ND	ND	ND	ND	7.9	NE
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	ND	280	600
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	ND	ND	ND	ND	0.42	75
Dichlorodifluoromethane	75-71-8	ND	ND	ND	ND	ND	ND	ND	ND	190	NE
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	ND	ND	ND	ND	2.4	NE
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	ND	ND	ND	0.15	5
1,1-Dichloroethene	75-35-4	ND	ND	ND	ND	ND	ND	ND	ND	260	7
cis-1,2-Dichloroethene	156-59-2	ND	ND	ND	ND	ND	ND	ND	ND	28	70
trans-1,2-Dichloroethene	156-60-5	ND	ND	ND	ND	ND	ND	ND	ND	86	100
1,2-Dichloropropane	78-87-5	ND	ND	ND	ND	ND	ND	ND	ND	0.38	5
1,1-Dichloropropene	563-58-6	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
1,3-Dichloropropane	142-28-9	ND	ND	ND	ND	ND	ND	ND	ND	290	NE
cis-1,3-Dichloropropene	10061-01-5	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
trans-1,3-Dichloropropene	10061-02-6	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2,2-Dichloropropane	594-20-7	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Di-isopropyl ether	108-20-3	ND	ND	ND	ND	ND	ND	ND	ND	1500	NE
Ethylbenzene	100-41-4	ND	ND	ND	ND	ND	ND	ND	ND	1.3	700
Hexachloro-1,3-butadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	0.26	NE
Isopropylbenzene	98-82-8	ND	ND	ND	ND	ND	ND	ND	ND	390	NE
p-Isopropyltoluene	99-87-6	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2-Butanone (MEK)	78-93-3	ND	ND	ND	ND	ND	ND	ND	ND	4900	NE
Methylene Chloride	75-09-2	ND	ND	ND	ND	ND	ND	ND	ND	4.7	5
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	ND	ND	ND	ND	ND	ND	ND	1000	NE
Methyl tert-butyl ether	1634-04-4	ND	ND	ND	ND	ND	ND	ND	ND	12	NE
Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	0.14	NE
n-Propylbenzene	103-65-1	ND	ND	ND	ND	ND	ND	ND	ND	530	NE
Styrene	100-42-5	ND	ND	ND	ND	ND	ND	ND	ND	1100	100
1,1,1,2-Tetrachloroethane	630-20-6	ND	ND	ND	ND	ND	ND	ND	ND	0.5	NE
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	ND	ND	ND	ND	0.066	NE
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	ND	ND	ND	ND	ND	ND	53000	NE
Tetrachloroethene	127-18-4	ND	ND	ND	ND	ND	ND	ND	ND	0.072	5
Toluene	108-88-3	ND	ND	ND	ND	ND	ND	ND	ND	860	1000
1,2,3-Trichlorobenzene	87-61-6	ND	ND	ND	ND	ND	ND	ND	ND	5.2	NE
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	0.99	70
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	ND	ND	ND	ND	7500	200
1,1,2-Trichloroethane	79-00-5	ND	ND	ND	ND	ND	ND	ND	ND	0.24	5
Trichloroethene	79-01-6	ND	ND	ND	ND	ND	ND	ND	ND	0.44	5
Trichlorofluoromethane	75-69-4	ND	ND	ND	ND	ND	ND	ND	ND	1100	NE
1,2,3-Trichloropropane	96-18-4	ND	ND	ND	ND	ND	ND	ND	ND	0.00065	NE
1,2,4-Trimethylbenzene	95-63-6	ND	ND	ND	ND	ND	ND	ND	ND	15	NE
1,2,3-Trimethylbenzene	526-73-8	ND	ND	ND	ND	ND	ND	ND	ND	10	NE
1,3,5-Trimethylbenzene	108-67-8	ND	ND	ND	ND	ND	ND	ND	ND	87	NE
Vinyl chloride	75-01-4	ND	ND	ND	ND	ND	ND	ND	ND	0.015	2
Xylenes, Total	1330-20-7	ND	ND	ND	ND	ND	ND	ND	ND	190	10000

Sources:

Environmental Science Corp., 2011

Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:

ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" J " = Laboratory detection reported below reporting limit but above sample-specific detection limit.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits
Bold = Indicates analyte reported above the EPA Tapwater RSL and/or MCL

Table 3.1
Analytical Data Summary for Building 1 & 2 - SVOCs In Groundwater
Monitoring Wells KC91-152U / L
General Services Administration Bannister Federal Complex
Kansas City, Missouri

Sample I.D.		KC91-152L				KC91-152U				KC91-DUP (KC91-152L)		Tap Water RSL (ug/l)	MCL
Sample Date		1/19/2011	4/19/2011	7/21/2011	11/1/2011	1/19/2011	4/19/2011	7/21/2011	11/1/2011	7/21/2011	11/1/2011		
Paramater	CAS Number	All concentrations provided in micrograms per liter (µg/L)											
Acenaphthene	83-32-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	400	NE
Acenaphthylene	208-96-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Anthracene	120-12-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1300	NE
Benzidine	92-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000092	NE
Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029	NE
Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029	NE
Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	NE
Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	0.2
Bis(2-chlorethoxy)methane	111-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	NE
Bis(2-chloroethyl)ether	111-44-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	NE
Bis(2-chloroisopropyl)ether	108-60-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31	NE
4-Bromophenyl-phenylether	101-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2-Chloronaphthalene	91-58-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	550	NE
4-Chlorophenyl-phenylether	7005-72-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Chrysene	218-01-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	NE
Dibenz(a,h)anthracene	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	NE
3,3-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	NE
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	NE
2,6-Dinitrotoluene	606-20-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	NE
Fluoranthene	206-44-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	630	NE
Fluorene	86-73-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	220	NE
Hexachlorobenzene	118-74-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.042	1
Hexachloro-1,3-butadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	NE
Hexachlorocyclopentadiene	77-47-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	50
Hexachloroethane	67-72-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.79	NE
Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029	NE
Isophorone	78-59-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	NE
Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	NE
Nitrobenzene	98-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	NE
n-Nitrosodimethylamine	62-75-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00042	NE
n-Nitrosodiphenylamine	86-30-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	NE
n-Nitrosodi-n-propylamine	621-64-7	ND	ND	ND	**0.32 J**	ND	ND	ND	ND	ND	ND	0.0093	NE
Phenanthrene	85-01-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Benzylbutyl phthalate	85-68-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	NE
Bis(2-ethylhexyl)phthalate	117-81-7	**1.2**	**1**	**0.92 J**	ND	ND	ND	ND	ND	**0.61 J**	ND	0.071	6
Di-n-butyl phthalate	84-74-2	ND	ND	ND	**0.57 J**	ND	ND	ND	ND	ND	**0.69 J**	670	NE
Diethyl phthalate	84-66-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11000	NE
Dimethyl phthalate	131-11-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Di-n-octyl phthalate	117-84-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Pyrene	129-00-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	87	NE
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	70
4-Chloro-3-methylphenol	59-50-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	NE
2-Chlorophenol	95-57-8	ND	ND	ND	**0.2 J**	ND	ND	ND	ND	ND	ND	71	NE
2,4-Dichlorophenol	120-83-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	NE
2,4-Dimethylphenol	105-67-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	NE
4,6-Dinitro-2-methylphenol	534-52-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	NE
2,4-Dinitrophenol	51-28-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	NE
2-Nitrophenol	88-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
4-Nitrophenol	100-02-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Pentachlorophenol	87-86-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	1.0
Phenol	108-95-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4500	NE
2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	NE

Sources:
Environmental Science Corp., 2011
Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 201

Notes:
ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" J " = Laboratory detection reported below reporting limit but above sample-specific detection limit
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits
Bold = Indicates analyte reported above the EPA Tapwater RSL and/or MCL

Table 3.2
Analytical Data Summary for Building 1 & 2 - SVOCs In Groundwater
Monitoring Wells KC91-156U / L
General Services Administration Bannister Federal Complex
Kansas City, Missouri

Sample I.D.		KC91-156L				KC91-156U				KC91-DUP (KC91-156L)	Tap Water RSL (ug/l)	MCL
Sample Date		1/19/2011	4/19/2011	7/21/2011	11/1/2011	1/19/2011	4/19/2011	7/21/2011	11/1/2011	4/19/2011		
Paramater	CAS Number	All concentrations provided in micrograms per liter (µg/L)										
Acenaphthene	83-32-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	400	NE
Acenaphthylene	208-96-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Anthracene	120-12-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	1300	NE
Benzidine	92-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000092	NE
Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029	NE
Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029	NE
Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	NE
Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	0.2
Bis(2-chlorethoxy)methane	111-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	NE
Bis(2-chloroethyl)ether	111-44-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	NE
Bis(2-chloroisopropyl)ether	108-60-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31	NE
4-Bromophenyl-phenylether	101-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2-Chloronaphthalene	91-58-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	550	NE
4-Chlorophenyl-phenylether	7005-72-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Chrysene	218-01-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	NE
Dibenz(a,h)anthracene	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	NE
3,3-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	NE
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	NE
2,6-Dinitrotoluene	606-20-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	NE
Fluoranthene	206-44-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	630	NE
Fluorene	86-73-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	220	NE
Hexachlorobenzene	118-74-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.042	1
Hexachloro-1,3-butadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	NE
Hexachlorocyclopentadiene	77-47-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	50
Hexachloroethane	67-72-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.79	NE
Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029	NE
Isophorone	78-59-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	NE
Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	NE
Nitrobenzene	98-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	NE
n-Nitrosodimethylamine	62-75-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00042	NE
n-Nitrosodiphenylamine	86-30-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	NE
n-Nitrosodi-n-propylamine	621-64-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0093	NE
Phenanthrene	85-01-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Benzylbutyl phthalate	85-68-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	NE
Bis(2-ethylhexyl)phthalate	117-81-7	ND	**0.69 J**	ND	ND	ND	**0.68 J**	ND	ND	**0.68 J**	0.071	6
Di-n-butyl phthalate	84-74-2	ND	ND	**0.29 J**	**0.4 J**	ND	ND	ND	**0.52 J**	ND	670	NE
Diethyl phthalate	84-66-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	11000	NE
Dimethyl phthalate	131-11-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Di-n-octyl phthalate	117-84-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Pyrene	129-00-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	87	NE
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	70
4-Chloro-3-methylphenol	59-50-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	NE
2-Chlorophenol	95-57-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	71	NE
2,4-Dichlorophenol	120-83-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	NE
2,4-Dimethylphenol	105-67-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	NE
4,6-Dinitro-2-methylphenol	534-52-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	NE
2,4-Dinitrophenol	51-28-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	NE
2-Nitrophenol	88-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
4-Nitrophenol	100-02-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Pentachlorophenol	87-86-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	1.0
Phenol	108-95-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	4500	NE
2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	NE

Sources:
Environmental Science Corp., 2011
Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 201

Notes:
ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" J " = Laboratory detection reported below reporting limit but above sample-specific detection limit.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits

Table 3.3
Analytical Data Summary for Building 1 & 2 - SVOCs In Groundwater
Monitoring Wells KC91-157U / L
General Services Administration Bannister Federal Complex
Kansas City, Missouri

Sample I.D.		KC91-157L				KC91-157U				KC91-DUP (KC91-157L)	Tap Water RSL (ug/l)	MCL
Sample Date		1/19/2011	4/19/2011	7/21/2011	11/1/2011	1/19/2011	4/19/2011	7/21/2011	11/1/2011	1/19/2011		
Paramater	CAS Number	All concentrations provided in micrograms per liter (µg/L)										
Acenaphthene	83-32-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	400	NE
Acenaphthylene	208-96-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Anthracene	120-12-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	1300	NE
Benzidine	92-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.000092	NE
Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029	NE
Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029	NE
Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	NE
Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	0.2
Bis(2-chlorethoxy)methane	111-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	NE
Bis(2-chloroethyl)ether	111-44-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	NE
Bis(2-chloroisopropyl)ether	108-60-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31	NE
4-Bromophenyl-phenylether	101-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
2-Chloronaphthalene	91-58-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	550	NE
4-Chlorophenyl-phenylether	7005-72-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Chrysene	218-01-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	NE
Dibenz(a,h)anthracene	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	NE
3,3-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	NE
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	NE
2,6-Dinitrotoluene	606-20-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	NE
Fluoranthene	206-44-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	630	NE
Fluorene	86-73-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	220	NE
Hexachlorobenzene	118-74-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.042	1
Hexachloro-1,3-butadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	NE
Hexachlorocyclopentadiene	77-47-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	50
Hexachloroethane	67-72-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.79	NE
Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029	NE
Isophorone	78-59-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	NE
Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	NE
Nitrobenzene	98-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	NE
n-Nitrosodimethylamine	62-75-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00042	NE
n-Nitrosodiphenylamine	86-30-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	NE
n-Nitrosodi-n-propylamine	621-64-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0093	NE
Phenanthrene	85-01-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Benzylbutyl phthalate	85-68-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	NE
Bis(2-ethylhexyl)phthalate	117-81-7	ND	**0.74 J**	ND	**0.58 J**	ND	**0.7 J**	ND	ND	ND	0.071	6
Di-n-butyl phthalate	84-74-2	ND	ND	ND	**0.37 J**	ND	ND	ND	**0.38 J**	ND	670	NE
Diethyl phthalate	84-66-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	11000	NE
Dimethyl phthalate	131-11-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Di-n-octyl phthalate	117-84-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Pyrene	129-00-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	87	NE
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	70
4-Chloro-3-methylphenol	59-50-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100	NE
2-Chlorophenol	95-57-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	71	NE
2,4-Dichlorophenol	120-83-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	NE
2,4-Dimethylphenol	105-67-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	NE
4,6-Dinitro-2-methylphenol	534-52-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	NE
2,4-Dinitrophenol	51-28-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	NE
2-Nitrophenol	88-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
4-Nitrophenol	100-02-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE
Pentachlorophenol	87-86-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	1.0
Phenol	108-95-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	4500	NE
2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	NE

Sources:

Environmental Science Corp., 2011

Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:

ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" J " = Laboratory detection reported below reporting limit but above sample-specific detection limit.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits

Table 3.4
Analytical Data Summary for Building 1 & 2 - SVOCs In Groundwater
Rinsate
General Services Administration Bannister Federal Complex
Kansas City, Missouri

Sample I.D.		KC91-RINSATE				Tap Water RSL (ug/l)	MCL
Sample Date		1/19/2011	4/19/2011	7/21/2011	11/1/2011		
Paramater	CAS Number	All concentrations provided in micrograms per liter (µg/L)					
Acenaphthene	83-32-9	ND	ND	ND	ND	400	NE
Acenaphthylene	208-96-8	ND	ND	ND	ND	NE	NE
Anthracene	120-12-7	ND	ND	ND	ND	1300	NE
Benzidine	92-87-5	ND	ND	ND	ND	0.000092	NE
Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	0.029	NE
Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	0.029	NE
Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	0.29	NE
Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	NE	NE
Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	0.0029	0.2
Bis(2-chlorethoxy)methane	111-91-1	ND	ND	ND	ND	47	NE
Bis(2-chloroethyl)ether	111-44-4	ND	ND	ND	ND	0.012	NE
Bis(2-chloroisopropyl)ether	108-60-1	ND	ND	ND	ND	0.31	NE
4-Bromophenyl-phenylether	101-55-3	ND	ND	ND	ND	NE	NE
2-Chloronaphthalene	91-58-7	ND	ND	ND	ND	550	NE
4-Chlorophenyl-phenylether	7005-72-3	ND	ND	ND	ND	NE	NE
Chrysene	218-01-9	ND	ND	ND	ND	2.9	NE
Dibenz(a,h)anthracene	53-70-3	ND	ND	ND	ND	0.0029	NE
3,3-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	0.11	NE
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	0.20	NE
2,6-Dinitrotoluene	606-20-2	ND	ND	ND	ND	15	NE
Fluoranthene	206-44-0	ND	ND	ND	ND	630	NE
Fluorene	86-73-7	ND	ND	ND	ND	220	NE
Hexachlorobenzene	118-74-1	ND	ND	ND	ND	0.042	1
Hexachloro-1,3-butadiene	87-68-3	ND	ND	ND	ND	0.26	NE
Hexachlorocyclopentadiene	77-47-4	ND	ND	ND	ND	22	50
Hexachloroethane	67-72-1	ND	ND	ND	ND	0.79	NE
Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	0.029	NE
Isophorone	78-59-1	ND	ND	ND	ND	67	NE
Naphthalene	91-20-3	ND	ND	ND	ND	0.14	NE
Nitrobenzene	98-95-3	ND	ND	ND	ND	0.12	NE
n-Nitrosodimethylamine	62-75-9	ND	ND	ND	ND	0.00042	NE
n-Nitrosodiphenylamine	86-30-6	ND	ND	ND	ND	10	NE
n-Nitrosodi-n-propylamine	621-64-7	ND	ND	ND	ND	0.0093	NE
Phenanthrene	85-01-8	ND	ND	ND	ND	NE	NE
Benzylbutyl phthalate	85-68-7	ND	ND	ND	ND	14	NE
Bis(2-ethylhexyl)phthalate	117-81-7	ND	ND	ND	ND	0.071	6
Di-n-butyl phthalate	84-74-2	ND	ND	ND	**0.44 J**	670	NE
Diethyl phthalate	84-66-2	ND	ND	ND	ND	11000	NE
Dimethyl phthalate	131-11-3	ND	ND	ND	ND	NE	NE
Di-n-octyl phthalate	117-84-0	ND	ND	ND	ND	NE	NE
Pyrene	129-00-0	ND	ND	ND	ND	87	NE
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	0.99	70
4-Chloro-3-methylphenol	59-50-7	ND	ND	ND	ND	1100	NE
2-Chlorophenol	95-57-8	ND	ND	ND	ND	71	NE
2,4-Dichlorophenol	120-83-2	ND	ND	ND	ND	35	NE
2,4-Dimethylphenol	105-67-9	ND	ND	ND	ND	270	NE
4,6-Dinitro-2-methylphenol	534-52-1	ND	ND	ND	ND	1.2	NE
2,4-Dinitrophenol	51-28-5	ND	ND	ND	ND	30	NE
2-Nitrophenol	88-75-5	ND	ND	ND	ND	NE	NE
4-Nitrophenol	100-02-7	ND	ND	ND	ND	NE	NE
Pentachlorophenol	87-86-5	ND	ND	ND	ND	0.17	1.0
Phenol	108-95-2	ND	ND	ND	ND	4500	NE
2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	ND	3.5	NE

Sources:

Environmental Science Corp., 2011

Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:

ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" J " = Laboratory detection reported below reporting limit but above sample-specific detection limit.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits

Table 4.1
Analytical Data Summary - PCBs In Groundwater
Monitoring Wells KC91-152U / L
General Services Administration - Building 1 & Building 2
Kansas City, Missouri

Sample I.D.		KC91-152U								KC91-152L								KC91-DUP (KC91-152L)				Tapwater RSL	MCL
Sample Date		1/19/2011		4/19/2011		7/21/2011		11/1/2011		1/19/2011		4/19/2011		7/21/2011		11/1/2011		7/21/2011		11/1/2011			
Parameter (Dioxin Like)	CAS Number	All concentrations provided in micrograms per liter (µg/L)																					
PCB 81	70362-50-4	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**0.0017**	**NE**
PCB 77	32598-13-3	ND		ND		ND		ND		**0.00022**	J	ND		ND		ND		**0.0000118**	J	ND		**0.0052**	**NE**
PCB 123	65510-44-3	ND		ND		ND		ND		**0.000025**	J	ND		ND		ND		ND		ND		**0.017**	**NE**
PCB 118	31508-00-6	**0.0000232**	BJ	**0.0000424**	BJ	ND		**0.0000222**	BJK	**0.00147**	BJ	**0.000051**	BJ	**0.0000538**	J	**0.0000801**	BJ	**0.0000398**	JK	**0.0000489**	BJK	**0.017**	**NE**
PCB 114	74472-37-0	ND		ND		ND		ND		**0.0000505**	BJ	ND		ND		ND		ND		ND		**0.017**	**NE**
PCB 105	32598-14-4	**0.0000125**	BJ	ND		ND		ND		**0.000749**	BJ	**0.000025**	J	**0.0000258**	J	**0.0000319**	JK	**0.0000188**	JK	**0.0000222**	JK	**0.017**	**NE**
PCB 126	57465-28-8	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**0.0000052**	**NE**
PCB 167	52663-72-6	ND		ND		ND		ND		**0.000103**	J	ND		ND		ND		ND		ND		**0.017**	**NE**
PCBs 156 + 157	38380-08-4, 69782-90-7	ND		ND		ND		ND		**0.000317**	BJ	ND		ND		ND		ND		ND		**0.017**	**NE**
PCB 169	32774-16-6	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**0.000017**	**NE**
PCB 189	39635-31-9	ND		ND		ND		ND		**0.0000533**	J	ND		ND		ND		ND		ND		**0.017**	**NE**
All Other PCBs (Non-dioxin Like)	--	**0.00114967**		**0.00171750**		**0.00637802**		**0.00231225**		**0.08272265**		**0.00347985**		**0.00630496**		**0.00613725**		**0.00237820**		**0.00436618**		**0.17**	**0.5**

Sources:

Columbia Analytical Services (CAS), 2011

Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:

ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" B " = Indicates the associated analyte is found in the method blank, as well as in the sample
" J " = Indicates when the analyte concentration is below the method reporting limit and above the estimated detection limit
" K " = When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K'. A 'K' Flag indicates an estimated maximum possible concentration for the associated compound.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits
Bold = Indicates analyte reported above the EPA Tapwater RSL and/or MCL

Table 4.2
Analytical Data Summary - PCBs In Groundwater
Monitoring Wells KC91-156U / L
General Services Administration - Building 1 & Building 2
Kansas City, Missouri

Sample I.D.		KC91-156U								KC91-156L								KC91-DUP (KC91-156L)		Tapwater RSL	MCL
Sample Date		1/19/2011		4/19/2011		7/21/2011		11/1/2011		1/19/2011		4/19/2011		7/21/2011		11/1/2011		4/19/2011			
Parameter (Dioxin Like)	CAS Number	All concentrations provided in micrograms per liter (µg/L)																			
PCB 81	70362-50-4	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		0.0017	NE
PCB 77	32598-13-3	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		0.0052	NE
PCB 123	65510-44-3	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		0.017	NE
PCB 118	31508-00-6	**0.0000309**	BJ	ND		ND		**0.0000416**	BJK	**0.0000206**	BJK	ND		**0.0000296**	JK	**0.0000437**	BJ	**0.00005**	BJ	0.017	NE
PCB 114	74472-37-0	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		0.017	NE
PCB 105	32598-14-4	**0.0000131**	BJK	ND		ND		**0.0000208**	JK	**0.00000912**	BJK	ND		**0.0000179**	J	**0.0000137**	J	**0.0000192**	J	0.017	NE
PCB 126	57465-28-8	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		0.0000052	NE
PCB 167	52663-72-6	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		0.017	NE
PCBs 156 + 157	38380-08-4, 69782-90-7	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		0.017	NE
PCB 169	32774-16-6	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		0.000017	NE
PCB 189	39635-31-9	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		0.017	NE
All Other PCBs (Non-dioxin Like)	--	**0.00363410**		**0.00033250**		**0.00227595**		**0.00264316**		**0.00155420**		**0.00050320**		**0.00124885**		**0.00326175**		**0.00234778**		0.17	0.5

Sources:

Columbia Analytical Services (CAS), 2011

Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:

ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" B " = Indicates the associated analyte is found in the method blank, as well as in the sample
" J " = Indicates when the analyte concentration is below the method reporting limit and above the estimated detection limit
" K " = When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K'. A 'K' Flag indicates an estimated maximum possible concentration for the associated compound.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits
Bold = Indicates analyte reported above the EPA Tapwater RSL and/or MCL

Table 4.3
Analytical Data Summary - PCBs In Groundwater
Monitoring Wells KC91-157U / L
General Services Administration - Building 1 & Building 2
Kansas City, Missouri

Sample I.D.		KC91-157U								KC91-157L								KC91-DUP (KC91-157L)		Tapwater RSL	MCL
Sample Date		1/19/2011		4/19/2011		7/21/2011		11/1/2011		1/19/2011		4/19/2011		7/21/2011		11/1/2011		1/19/2011			
Parameter (Dioxin Like)	CAS Number	All concentrations provided in micrograms per liter (µg/L)																			
PCB 81	70362-50-4	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0017	NE
PCB 77	32598-13-3	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0052	NE
PCB 123	65510-44-3	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.017	NE
PCB 118	31508-00-6	**0.0000239**	BJ	**0.0000253**	BJK	ND		**0.0000414**	BJK	**0.0000258**	BJ	**0.0000207**	BJ	ND		**0.0000568**	BJ	**0.000028**	BJ	0.017	NE
PCB 114	74472-37-0	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.017	NE
PCB 105	32598-14-4	**0.0000101**	BJ	ND		ND		ND		**0.0000101**	BJK	**0.00000574**	JK	ND		ND		**0.0000132**	BJ	0.017	NE
PCB 126	57465-28-8	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.0000052	NE
PCB 167	52663-72-6	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.017	NE
PCBs 156 + 157	38380-08-4, 69782-90-7	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.017	NE
PCB 169	32774-16-6	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.000017	NE
PCB 189	39635-31-9	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.017	NE
All Other PCBs (Non-dioxin Like)	--	**0.00136220**		**0.00135510**		**0.00749340**		**0.00237574**		**0.00124405**		**0.00100337**		**0.00597450**		**0.00157930**		**0.00141737**		0.17	0.5

Sources:

Columbia Analytical Services (CAS), 2011

Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:

ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" B " = Indicates the associated analyte is found in the method blank, as well as in the sample
" J " = Indicates when the analyte concentration is below the method reporting limit and above the estimated detection limit
" K " = When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K'. A 'K' Flag indicates an estimated maximum possible concentration for the associated compound.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits
Bold = Indicates analyte reported above the EPA Tapwater RSL and/or MCL

Table 4.4
Analytical Data Summary - PCBs In Groundwater
Rinsate and Method Blank
General Services Administration - Building 1 & Building 2
Kansas City, Missouri

Sample I.D.		Method Blank								KC91-RINSATE								Tapwater RSL	MCL
Sample Date		2/1/2011		4/27/2011		7/21/2011		11/1/2011		1/19/2011		4/19/2011		7/21/2011		11/1/2011			
Parameter (Dioxin Like)	CAS Number	All concentrations provided in micrograms per liter (µg/L)																	
PCB 81	70362-50-4	ND		ND		ND		ND		ND		ND		ND		ND		0.0017	NE
PCB 77	32598-13-3	ND		ND		ND		ND		ND		ND		ND		ND		0.0052	NE
PCB 123	65510-44-3	ND		ND		ND		ND		ND		ND		ND		ND		0.017	NE
PCB 118	31508-00-6	**0.000024**	JK	**0.0000155**	JK	ND		**0.0000995**	J	**0.0000262**	BJ	**0.0000373**	BJ	ND		ND		0.017	NE
PCB 114	74472-37-0	**0.0000068**	J	ND		ND		ND		ND		ND		ND		ND		0.017	NE
PCB 105	32598-14-4	**0.0000115**	JK	ND		ND		ND		**0.000013**	BJ	**0.000019**	J	ND		ND		0.017	NE
PCB 126	57465-28-8	ND		ND		ND		ND		ND		ND		ND		ND		0.0000052	NE
PCB 167	52663-72-6	ND		ND		ND		ND		ND		**0.00000735**	JK	ND		ND		0.017	NE
PCBs 156 + 157	38380-08-4, 69782-90-7	**0.0000107**	J	ND		**0.0000143**	JK	ND		ND		**0.0000243**	J	ND		ND		0.017	NE
PCB 169	32774-16-6	ND		ND		ND		ND		ND		ND		ND		ND		0.000017	NE
PCB 189	39635-31-9	ND		ND		ND		ND		ND		**0.00000746**	JK	ND		ND		0.017	NE
All Other PCBs (Non-dioxin Like)	--	**0.00100850**		**0.00079651**		**0.00207320**		**0.01145960**		**0.00101661**		**0.00364975**		**0.00444941**		**0.00371641**		0.17	0.5

Sources:

Columbia Analytical Services (CAS), 2011

Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) and Maximum Concentration Levels (MCLs) derived from the EPA Regional Screening Levels document dated November 2011

Notes:

ug/L = Groundwater concentrations reported in micrograms per liter
RSL = Regional Screening Level
MCL = Maximum Contaminant Level
" B " = Indicates the associated analyte is found in the method blank, as well as in the sample
" J " = Indicates when the analyte concentration is below the method reporting limit and above the estimated detection limit
" K " = When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K'. A 'K' Flag indicates an estimated maximum possible concentration for the associated compound.
ND = Not detected above the laboratory method detection limits.
NE = Not Established by the EPA
Bold = Indicates analyte reported above laboratory analytical detection limits
Bold = Indicates analyte reported above the EPA Tapwater RSL and/or MCL

Table 5
Analytical Data Summary for Buildings 1 & 2 - Groundwater Duplicate
General Services Administration
Kansas City, Missouri

Sample I.D.	CAS	KC91-152L	KC91-DUP	RPD (%)
Sample Date		11/1/2011	11/1/2011	
Volatile Organic Compounds (VOCs)				
All VOCs	--	ND	ND	NA
Semi-Volatile Organic Compounds (SVOCs)				
n-Nitrosodi-n-propylamine	**621-64-7**	0.32 J	ND	NA
Di-n-butyl phthalate	**84-74-2**	0.57 J	0.69 J	19%
2-Chlorophenol	**95-57-8**	0.2 J	ND	NA
All Other SVOCs	--	ND	ND	NA
Polychlorinated Biphenyls (PCBs)				
PCB 118	**31508-00-6**	0.0000801	0.0000489	**48%**
PCB 105	**32598-14-4**	0.0000319	0.0000222	**36%**
All Other PCBs (Dioxin Like)	--	0.006137	0.004366	**34%**
All Remaining PCBs (Non-dioxin Like)	--	ND	ND	NA

Sources:

Environmental Science Corp. (ESC), 2011
Columbia Analytical Services (CAS), 2011

Notes:

All concentrations provided in micrograms per liter (µg/L)

RPD = Relative percent difference
DUP = Duplicate sample
NA = RPD not calculated because no analyte was detected
" J " = Laboratory detection reported below reporting limit but above sample-specific detection limit.
Bold = Indicates RPD above the 20% data quality threshold

APPENDIX C

LABORATORY ANALYTICAL REPORTS

Company Name/Address

Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

Alternate Billing: TERRLKS-02107144

Report to: Wil King

E-mail to: wwking@terracon.com

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by: B147

ENVIRONMENTAL Science corp
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

Project Description: GSA Bannister

City/State: Kansas City MO

PHONE: 913-492-7777
FAX: 913-492-7443

Client Project # '02107144

Lab Project #

Collected by: Wil King

Site/Facility ID#

P.O.#

Collected by(signature):

Packed on Ice N__ Y__

Rush? (Lab MUST be Notified)
____Same Day.....200%
____Next Day.....100%
____Two Day.....50%

Date Results Needed: STANDARD TAT

Email? __No __Yes
FAX? __No __Yes

CoCode (lab use only)
TERRLKS
Template/Prelogin

Shipped Via: Kansas City Service Center

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	V8260B	SVOC's 8270C							Remarks/contaminant	Sample # (lab only)
KC91-152U	Grab	GW	—	11/1/11	1425	12	X	X								L544884-01
KC91-152L	Grab	GW	—	11/1/11	1527	4	X	X								-02
KC91-156L	Grab	GW	—	11/1/11	1640	4	X	X								-03
KC91-156U	Grab	GW	—	11/1/11	1725	4	X	X								-04
KC91-157U	Grab	GW	—	11/1/11	1820	4	X	X								-05
KC91-15L	Grab	GW	—	11/1/11	1855	4	X	X								-06
DUP	Grab	GW	—	11/1/11	—	4	X	X								-07
Rinse Blank	Grab	OT	—	11/1/11	1205	4	X	X								-08
Trip Blank	Grab	DT	—	11/1/11	—	2	X									-09

Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other Distilled water

pH_____ Temp_____

Remarks: Level IV QA/QC Report Use extra volume collected for KC91-152U for MS/MSD! Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx__ UPS__ Other (FWK)	Condition (lab use only)
	11/2/11	1544			
Relinquisher by:(Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1°C / Bottles Received: 40+1TB	(OK)
Relinquisher by:(Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11-3-11 / Time: 1100	pH Checked: / NCF:

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Quality Control Summary
SDG: L544884

For: Terracon - Lenexa, KS
Bannister Complex, KCMO

L544884

Lab SampleID.	Client ID
L544884-01	KC91-152U
L544884-02	KC91-152L
L544884-03	KC91-156L
L544884-04	KC91-156U
L544884-05	KC91-157U
L544884-06	KC91-15L
L544884-07	DUP
L544884-08	RINSATE BLANK
L544884-09	TRIP BLANK

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Quality Control Summary
SDG: L544884

For: Terracon - Lenexa, KS
Project: Bannister Complex, KCMO
November 16, 2011

Sample Receiving and Handling

All sample aliquots were received at the correct temperature, in the proper containers, and with the appropriate preservatives. All method specified holding times were met.

Volatile Organic Compounds by Method 8260B

Laboratory Control Sample

Samples L544884-01, -02, -03, -05, -06, -07, -08, and -09 were analyzed in analytical batch WG563916. The laboratory control sample associated with these samples had all target compounds within method limits except for Acrolein and Styrene.

Sample L544884-04 was analyzed in analytical batch WG564454. The laboratory control sample associated with this sample had all target compounds within method limits except for Acrolein and Styrene.

Matrix Spike/Matrix Spike Duplicate

For analytical batch WG563916 matrix spike/matrix spike duplicate analysis was performed on sample L544884-01. The matrix spike recoveries were below laboratory control limits for Acrolein and 2-Chloroethyl vinyl ether. The spike recoveries for the remaining target compounds were within limits. The relative percent difference exceeded laboratory limits for 2-Chloroethyl vinyl ether.

For analytical batch WG564454 matrix spike/matrix spike duplicate analysis was performed on sample L544884-04. The matrix spike recoveries were below laboratory control limits for Acrolein and 2-Chloroethyl vinyl ether. The spike recoveries for the remaining target compounds were within limits. The relative percent difference exceeded laboratory limits for 2-Chloroethyl vinyl ether.

Blank Analysis

The method blank, the initial, and all continuing calibration blanks contained no analytes at concentrations above the method reporting limit.

Calibration Summary

Instrument VOCMS22 was calibrated on 11/2/2011. The initial calibration and continuing calibration verification standards were within method limits.

Surrogate Summary

The surrogate recoveries were within method limits for all other samples.

Internal Standards

The internal standard responses and retention times were within method limits for all samples and quality control samples.

Semi-volatile Organic Compounds by Method 8270C

Laboratory Control Sample

Samples L544884-01 and 08 were analyzed in analytical batch WG564071. The laboratory control sample associated with these samples had all target compounds within method limits except for n-Nitrosodiphenylamine.

Samples L544884-02, -03, -04, and -05 were analyzed in analytical batch WG564274. The laboratory control sample associated with these samples had all target compounds within method limits except for Benzidine.

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Quality Control Summary
SDG: L544884

For: Terracon - Lenexa, KS
Project: Bannister Complex, KCMO
November 16, 2011

Samples L544884-06 and 07 were analyzed in analytical batch WG564565. The laboratory control sample associated with these samples was within the laboratory control limits for all compounds.

Matrix Spike/Matrix Spike Duplicate
For analytical batch WG564071 matrix spike/matrix spike duplicate analysis was performed on sample L544884-01. The matrix spike recoveries were within laboratory control limits for all target analytes. The relative percent difference exceeded laboratory limits for Di-n-butyl phthalate.

Precision for batch WG564274 was evaluated using the LCS / LCSD. The RPDs were within method limits.

Precision for batch WG564565 was evaluated using the LCS / LCSD. The RPDs exceeded laboratory control limits for Benzidine. The other target analytes were within limits

Blank Analysis
The method blank, the initial, and all continuing calibration blanks contained no analytes at concentrations above the method reporting limit except for Di-n-butyl phthalate in WG564274.

Calibration Summary
Instrument BNAMS10 was calibrated on 11/4/2011. The initial calibration and continuing calibration verification standards were within method limits.

Instrument BNAMS11 was calibrated on 11/5/2011. The initial calibration and continuing calibration verification standards were within method limits.

Surrogate Summary
The surrogate recoveries were within method limits for all other samples.

Internal Standards
The internal standard responses and retention times were within method limits for all samples and quality control samples.

Nancy F. Winters
ESC Representative
ESC Lab Sciences

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Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

Report Summary

Wednesday November 16, 2011

Report Number: L544884
Samples Received: 11/03/11
Client Project: 02107144

Description: Bannister Complex, KCMO

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: _____
Jeff Carr , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-01

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 14:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4J6	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l	J6J3	8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
Note:
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Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-01

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 14:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	102.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/07/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/07/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/07/11	1
Benzidine	U	0.0021	0.010	mg/l		8270C	11/07/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/07/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/07/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/07/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/07/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/07/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/07/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/07/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/07/11	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL
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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-01

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 14:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/07/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/07/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/07/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/07/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/07/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/07/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/07/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/07/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/07/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/07/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/07/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/07/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/07/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/07/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/07/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/07/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/07/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/07/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/07/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l	J4	8270C	11/07/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/07/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/07/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/07/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/07/11	1
Di-n-butyl phthalate	U	0.00028	0.0010	mg/l	J3	8270C	11/07/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/07/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/07/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/07/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/07/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/07/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/07/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/07/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/07/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/07/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/07/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/07/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/07/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/07/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/07/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/07/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/07/11	1
Surrogate Recovery								

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Note:
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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-01

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 14:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	24.8			% Rec.		8270C	11/07/11	1
Phenol-d5	25.1			% Rec.		8270C	11/07/11	1
Nitrobenzene-d5	68.1			% Rec.		8270C	11/07/11	1
2-Fluorobiphenyl	82.9			% Rec.		8270C	11/07/11	1
2,4,6-Tribromophenol	83.1			% Rec.		8270C	11/07/11	1
p-Terphenyl-d14	94.6			% Rec.		8270C	11/07/11	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-02

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 15:27

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-02

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 15:27

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	102.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/08/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/08/11	1
Benzidine	U	0.0021	0.010	mg/l	J4	8270C	11/08/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/08/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/08/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/08/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/08/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/08/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/08/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-02

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 15:27

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/08/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/08/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/08/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/08/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/08/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/08/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/08/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/08/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/08/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/08/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/08/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/08/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/08/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodi-n-propylamine	0.00032	0.00031	0.010	mg/l	J	8270C	11/08/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/08/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/08/11	1
Di-n-butyl phthalate	0.00057	0.00028	0.0010	mg/l	JB	8270C	11/08/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/08/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/08/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/08/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/08/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/08/11	1
2-Chlorophenol	0.00020	0.00019	0.010	mg/l	J	8270C	11/08/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/08/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/08/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/08/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/08/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/08/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/08/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
Surrogate Recovery								

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-02

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 15:27

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	33.4			% Rec.		8270C	11/08/11	1
Phenol-d5	25.1			% Rec.		8270C	11/08/11	1
Nitrobenzene-d5	73.5			% Rec.		8270C	11/08/11	1
2-Fluorobiphenyl	85.1			% Rec.		8270C	11/08/11	1
2,4,6-Tribromophenol	78.0			% Rec.		8270C	11/08/11	1
p-Terphenyl-d14	94.6			% Rec.		8270C	11/08/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-03

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 16:40

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-03

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 16:40

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	104.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	102.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/08/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/08/11	1
Benzidine	U	0.0021	0.010	mg/l	J4	8270C	11/08/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/08/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/08/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/08/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/08/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/08/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/08/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-03

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 16:40

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/08/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/08/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/08/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/08/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/08/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/08/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/08/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/08/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/08/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/08/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/08/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/08/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/08/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/08/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/08/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/08/11	1
Di-n-butyl phthalate	0.00040	0.00028	0.0010	mg/l	JB	8270C	11/08/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/08/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/08/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/08/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/08/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/08/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/08/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/08/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/08/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/08/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/08/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/08/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/08/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
Surrogate Recovery								

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-03

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 16:40

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	20.7			% Rec.		8270C	11/08/11	1
Phenol-d5	13.0			% Rec.		8270C	11/08/11	1
Nitrobenzene-d5	71.0			% Rec.		8270C	11/08/11	1
2-Fluorobiphenyl	75.1			% Rec.		8270C	11/08/11	1
2,4,6-Tribromophenol	79.5			% Rec.		8270C	11/08/11	1
p-Terphenyl-d14	94.8			% Rec.		8270C	11/08/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-04

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 17:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/07/11	1
Acrolein	U	0.031	0.050	mg/l	J4J6	8260B	11/07/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/07/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/07/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/07/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/07/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/07/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/07/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/07/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/07/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/07/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/07/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l	J6J3	8260B	11/07/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/07/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/07/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/07/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/07/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/07/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/07/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/07/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/07/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/07/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/07/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/07/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/07/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/07/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/07/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/07/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/07/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/07/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/07/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/07/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/07/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/07/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/07/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/07/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-04

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 17:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/07/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/07/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/07/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/07/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/07/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/07/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/07/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/07/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/07/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/07/11	1
Toluene	0.00032	0.00016	0.0050	mg/l	J	8260B	11/07/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/07/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/07/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/07/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/07/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/07/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/07/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/07/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/07/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/07/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/07/11	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/07/11	1
a,a,a-Trifluorotoluene	104.			% Rec.		8260B	11/07/11	1
4-Bromofluorobenzene	104.			% Rec.		8260B	11/07/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/08/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/08/11	1
Benzidine	U	0.0021	0.010	mg/l	J4	8270C	11/08/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/08/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/08/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/08/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/08/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/08/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/08/11	1

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Reported: 11/10/11 16:29 Revised: 11/16/11 14:28

12065 Lebanon Rd.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-04

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 17:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/08/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/08/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/08/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/08/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/08/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/08/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/08/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/08/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/08/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/08/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/08/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/08/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/08/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/08/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/08/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/08/11	1
Di-n-butyl phthalate	0.00052	0.00028	0.0010	mg/l	JB	8270C	11/08/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/08/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/08/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/08/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/08/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/08/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/08/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/08/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/08/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/08/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/08/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/08/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/08/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
Surrogate Recovery								

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-04

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 17:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	25.2			% Rec.		8270C	11/08/11	1
Phenol-d5	16.6			% Rec.		8270C	11/08/11	1
Nitrobenzene-d5	73.2			% Rec.		8270C	11/08/11	1
2-Fluorobiphenyl	83.9			% Rec.		8270C	11/08/11	1
2,4,6-Tribromophenol	84.1			% Rec.		8270C	11/08/11	1
p-Terphenyl-d14	96.0			% Rec.		8270C	11/08/11	1

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REPORT OF ANALYSIS

Wil King
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13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-05

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-157U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:20

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	0.0010	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-05

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-157U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:20

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	0.00052	0.00029	0.0010	mg/l	J	8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	101.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/08/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/08/11	1
Benzidine	U	0.0021	0.010	mg/l	J4	8270C	11/08/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/08/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/08/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/08/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/08/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/08/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/08/11	1

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Wil King
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13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-05

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-157U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:20

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/08/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/08/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/08/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/08/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/08/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/08/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/08/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/08/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/08/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/08/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/08/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/08/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/08/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/08/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/08/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/08/11	1
Di-n-butyl phthalate	0.00038	0.00028	0.0010	mg/l	JB	8270C	11/08/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/08/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/08/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/08/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/08/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/08/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/08/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/08/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/08/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/08/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/08/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/08/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/08/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
Surrogate Recovery								

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-05

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-157U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:20

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	21.5			% Rec.		8270C	11/08/11	1
Phenol-d5	13.9			% Rec.		8270C	11/08/11	1
Nitrobenzene-d5	73.6			% Rec.		8270C	11/08/11	1
2-Fluorobiphenyl	85.8			% Rec.		8270C	11/08/11	1
2,4,6-Tribromophenol	91.7			% Rec.		8270C	11/08/11	1
p-Terphenyl-d14	95.3			% Rec.		8270C	11/08/11	1

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MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-06

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-15L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:55

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	0.0033	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-06

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-15L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:55

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	0.0020	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	101.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/09/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/09/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/09/11	1
Benzidine	U	0.0021	0.010	mg/l	J3	8270C	11/09/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/09/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/09/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/09/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/09/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/09/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/09/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/09/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/09/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-06

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-15L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:55

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/09/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/09/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/09/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/09/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/09/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/09/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/09/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/09/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/09/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/09/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/09/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/09/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/09/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/09/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/09/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/09/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/09/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/09/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/09/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/09/11	1
Bis(2-ethylhexyl)phthalate	0.00058	0.00050	0.0010	mg/l	J	8270C	11/09/11	1
Di-n-butyl phthalate	0.00037	0.00028	0.0010	mg/l	J	8270C	11/09/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/09/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/09/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/09/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/09/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/09/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/09/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/09/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/09/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/09/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/09/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/09/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/09/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/09/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/09/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/09/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/09/11	1
Surrogate Recovery								

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-06

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-15L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:55

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	22.2			% Rec.		8270C	11/09/11	1
Phenol-d5	15.5			% Rec.		8270C	11/09/11	1
Nitrobenzene-d5	66.6			% Rec.		8270C	11/09/11	1
2-Fluorobiphenyl	84.3			% Rec.		8270C	11/09/11	1
2,4,6-Tribromophenol	101.			% Rec.		8270C	11/09/11	1
p-Terphenyl-d14	118.			% Rec.		8270C	11/09/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-07

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : DUP

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

U = ND (Not Detected)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-07

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : DUP

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	101.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/09/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/09/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/09/11	1
Benzidine	U	0.0021	0.010	mg/l	J3	8270C	11/09/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/09/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/09/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/09/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/09/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/09/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/09/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/09/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/09/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-07

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : DUP

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/09/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/09/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/09/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/09/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/09/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/09/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/09/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/09/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/09/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/09/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/09/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/09/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/09/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/09/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/09/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/09/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/09/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/09/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/09/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/09/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/09/11	1
Di-n-butyl phthalate	0.00069	0.00028	0.0010	mg/l	J	8270C	11/09/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/09/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/09/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/09/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/09/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/09/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/09/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/09/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/09/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/09/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/09/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/09/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/09/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/09/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/09/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/09/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/09/11	1
Surrogate Recovery								

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-07

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : DUP

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	18.8			% Rec.		8270C	11/09/11	1
Phenol-d5	14.9			% Rec.		8270C	11/09/11	1
Nitrobenzene-d5	62.2			% Rec.		8270C	11/09/11	1
2-Fluorobiphenyl	75.6			% Rec.		8270C	11/09/11	1
2,4,6-Tribromophenol	55.6			% Rec.		8270C	11/09/11	1
p-Terphenyl-d14	98.4			% Rec.		8270C	11/09/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-08

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : RINSATE BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 12:05

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	0.00038	0.00021	0.0010	mg/l	J	8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	0.00079	0.00022	0.0050	mg/l	J	8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-08

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : RINSATE BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 12:05

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	106.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/07/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/07/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/07/11	1
Benzidine	U	0.0021	0.010	mg/l	J3	8270C	11/07/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/07/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/07/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/07/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/07/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/07/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/07/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/07/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/07/11	1

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-08

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : RINSATE BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 12:05

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/07/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/07/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/07/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/07/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/07/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/07/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/07/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/07/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/07/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/07/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/07/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/07/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/07/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/07/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/07/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/07/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/07/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/07/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/07/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l	J4	8270C	11/07/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/07/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/07/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/07/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/07/11	1
Di-n-butyl phthalate	0.00044	0.00028	0.0010	mg/l	J	8270C	11/07/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/07/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/07/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/07/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/07/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/07/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/07/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/07/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/07/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/07/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l	J3	8270C	11/07/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/07/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/07/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/07/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l	J3	8270C	11/07/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/07/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l	J3	8270C	11/07/11	1
Surrogate Recovery								

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 11/10/11 16:29 Revised: 11/16/11 14:28

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-08

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : RINSATE BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 12:05

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	13.1			% Rec.		8270C	11/07/11	1
Phenol-d5	17.2			% Rec.		8270C	11/07/11	1
Nitrobenzene-d5	66.1			% Rec.		8270C	11/07/11	1
2-Fluorobiphenyl	80.6			% Rec.		8270C	11/07/11	1
2,4,6-Tribromophenol	38.4			% Rec.		8270C	11/07/11	1
p-Terphenyl-d14	88.5			% Rec.		8270C	11/07/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-09

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : TRIP BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-09

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : TRIP BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	103.			% Rec.		8260B	11/04/11	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L544884-01	WG563916	SAMP	Acrolein	R1923433	J4J6
	WG563916	SAMP	2-Chloroethyl vinyl ether	R1923433	J6J3
	WG563916	SAMP	Styrene	R1923433	J4
	WG564071	SAMP	n-Nitrosodiphenylamine	R1924417	J4
	WG564071	SAMP	Di-n-butyl phthalate	R1924417	J3
L544884-02	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG564274	SAMP	Benzidine	R1924813	J4
	WG564274	SAMP	n-Nitrosodi-n-propylamine	R1924813	J
	WG564274	SAMP	Di-n-butyl phthalate	R1924813	JB
	WG564274	SAMP	2-Chlorophenol	R1924813	J
L544884-03	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG564274	SAMP	Benzidine	R1924813	J4
	WG564274	SAMP	Di-n-butyl phthalate	R1924813	JB
L544884-04	WG564454	SAMP	Acrolein	R1923857	J4J6
	WG564454	SAMP	2-Chloroethyl vinyl ether	R1923857	J6J3
	WG564454	SAMP	Styrene	R1923857	J4
	WG564454	SAMP	Toluene	R1923857	J
	WG564274	SAMP	Benzidine	R1924813	J4
	WG564274	SAMP	Di-n-butyl phthalate	R1924813	JB
L544884-05	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG563916	SAMP	Trichloroethene	R1923433	J
	WG564274	SAMP	Benzidine	R1924813	J4
	WG564274	SAMP	Di-n-butyl phthalate	R1924813	JB
L544884-06	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG564565	SAMP	Benzidine	R1926993	J3
	WG564565	SAMP	Bis(2-ethylhexyl)phthalate	R1926993	J
	WG564565	SAMP	Di-n-butyl phthalate	R1926993	J
L544884-07	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG564565	SAMP	Benzidine	R1926993	J3
	WG564565	SAMP	Di-n-butyl phthalate	R1926993	J
L544884-08	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Bromodichloromethane	R1923433	J
	WG563916	SAMP	Chloroform	R1923433	J
	WG563916	SAMP	Styrene	R1923433	J4
	WG564071	SAMP	Benzidine	R1924417	J3
	WG564071	SAMP	n-Nitrosodiphenylamine	R1924417	J4
	WG564071	SAMP	Di-n-butyl phthalate	R1924417	J
	WG564071	SAMP	4,6-Dinitro-2-methylphenol	R1924417	J3
	WG564071	SAMP	Pentachlorophenol	R1924417	J3
	WG564071	SAMP	2,4,6-Trichlorophenol	R1924417	J3
L544884-09	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B	(EPA) - The indicated compound was found in the associated method blank as well as the laboratory sample.
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
11/10/11 at 16:31:04

TSR Signing Reports: 206
R5 - Desired TAT

AS in GW needs to be ASG

Sample: L544884-01 Account: TERRLKS Received: 11/03/11 11:00 Due Date: 11/10/11 00:00 RPT Date: 11/10/11 16:29
MS/MSD sample. QC4
Sample: L544884-02 Account: TERRLKS Received: 11/03/11 11:00 Due Date: 11/10/11 00:00 RPT Date: 11/10/11 16:29
QC4
Sample: L544884-03 Account: TERRLKS Received: 11/03/11 11:00 Due Date: 11/10/11 00:00 RPT Date: 11/10/11 16:29
QC4
Sample: L544884-04 Account: TERRLKS Received: 11/03/11 11:00 Due Date: 11/10/11 00:00 RPT Date: 11/10/11 16:29
QC4
Sample: L544884-05 Account: TERRLKS Received: 11/03/11 11:00 Due Date: 11/10/11 00:00 RPT Date: 11/10/11 16:29
QC4
Sample: L544884-06 Account: TERRLKS Received: 11/03/11 11:00 Due Date: 11/10/11 00:00 RPT Date: 11/10/11 16:29
QC4
Sample: L544884-07 Account: TERRLKS Received: 11/03/11 11:00 Due Date: 11/10/11 00:00 RPT Date: 11/10/11 16:29
QC4
Sample: L544884-08 Account: TERRLKS Received: 11/03/11 11:00 Due Date: 11/10/11 00:00 RPT Date: 11/10/11 16:29
QC4
Sample: L544884-09 Account: TERRLKS Received: 11/03/11 11:00 Due Date: 11/10/11 00:00 RPT Date: 11/10/11 16:29
QC4

ESC Qualifier Definitions

ESC assigns data qualifiers to sample results to provide additional information on the analysis. Most qualifier definitions assigned to the samples are provided in Attachment B of the sample report. In the sample reports for dual column analyses, qualifier information is for results from the reported column.

J7 or D - The required sample dilution diluted out the sample surrogate. A sample dilution of greater than 20 reduces the sample surrogate concentration to a level that measurement of the surrogate recovery is not an accurate indicator of sample extraction efficiency.

E - The reported concentration exceeds the instrument calibration range. The estimated value was determined by mathematical extrapolation of the calibration curve.

J1 - Applied to surrogates where the surrogate recovery was above the upper laboratory control limit.

J2 - Applied to surrogates where the surrogate recovery was below the lower laboratory control limit.

J3 - Applied to the analytes where the relative percent difference calculated on duplicate analysis exceeded the laboratory control limit. For sample duplicate analysis and matrix spike/matrix spike duplicate analysis, the qualifier is applied to that sample. For laboratory control sample and laboratory control sample duplicate analysis, the qualifier is applied to all samples in the analytic batch.

J4 - Applied to analytes where the laboratory control sample or laboratory control sample duplicate exceeded the laboratory control limits for that compound.

J5 - Applied to the analytes in the parent sample of the matrix spike/matrix spike duplicate analysis where either the matrix spike recovery or the matrix spike duplicate recovery exceeded the upper laboratory control limit.

J6 - Applied to the analytes in the parent sample of the matrix spike/matrix spike duplicate analysis where either the matrix spike recovery or the matrix spike duplicate recoveries were below the lower laboratory control limit.

V - The high concentration of target analyte in the parent sample interfered with the ability to make an accurate spike determination.

Volatile Organic Compounds by Method 8260B

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Quality Control Summary
SDG: L544884

Volatile Organic Compounds by Method 8260B
Terracon - Lenexa, KS

Project: Bannister Complex, KCMO
Project No: 02107144

Login No: L544884

Lab SampleID.	Client ID
L544884-01	KC91-152U
L544884-02	KC91-152L
L544884-03	KC91-156L
L544884-04	KC91-156U
L544884-05	KC91-157U
L544884-06	KC91-15L
L544884-07	DUP
L544884-08	RINSATE BLANK
L544884-09	TRIP BLANK

I certify that this data package accurately represents the information in the raw data found herein, both technically and for completeness. Release of the data contained in this data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: ESC Lab Sciences

Date: _____ Title: Quality Control

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Method Blank

Analyte	CAS	PQL	Qualifiers
Dichlorodifluoromethane	75-71-8	<0.0050	
Chloromethane	74-87-3	<0.0025	
Vinyl chloride	75-01-4	<0.0010	
Bromomethane	74-83-9	<0.0050	
Chloroethane	75-00-3	<0.0050	
Trichlorofluoromethane	75-69-4	<0.0050	
Acrolein	107-02-8	<0.0500	
1,1-Dichloroethene	75-35-4	<0.0010	
1,1,2-Trichlorotrifluoroethane	76-13-1	<0.0010	
Acetone	67-64-1	<0.0500	
Methylene Chloride	75-09-2	<0.0050	
Acrylonitrile	107-13-1	<0.0100	
trans-1,2-Dichloroethene	156-60-5	<0.0010	
Methyl tert-butyl ether	1634-04-4	<0.0010	
1,1-Dichloroethane	75-34-3	<0.0010	
Di-isopropyl ether	108-20-3	<0.0010	
2,2-Dichloropropane	594-20-7	<0.0010	
cis-1,2-Dichloroethene	156-59-2	<0.0010	
2-Butanone (MEK)	78-93-3	<0.0100	
Chloroform	67-66-3	<0.0050	
1,1,1-Trichloroethane	71-55-6	<0.0010	
Carbon tetrachloride	56-23-5	<0.0010	
1,1-Dichloropropene	563-58-6	<0.0010	
Benzene	71-43-2	<0.0010	
1,2-Dichloroethane	107-06-2	<0.0010	
Trichloroethene	79-01-6	<0.0010	
1,2-Dichloropropane	78-87-5	<0.0010	
Dibromomethane	74-95-3	<0.0010	
Bromodichloromethane	75-27-4	<0.0010	
2-Chloroethyl vinyl ether	110-75-8	<0.0500	
cis-1,3-Dichloropropene	10061-01-5	<0.0010	
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.0100	
Toluene	108-88-3	<0.0050	
trans-1,3-Dichloropropene	10061-02-6	<0.0010	
1,1,2-Trichloroethane	79-00-5	<0.0010	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Method Blank

Analyte	CAS	PQL	Qualifiers
Tetrachloroethene	127-18-4	<0.0010	
1,3-Dichloropropane	142-28-9	<0.0010	
Chlorodibromomethane	124-48-1	<0.0010	
1,2-Dibromoethane	106-93-4	<0.0010	
Chlorobenzene	108-90-7	<0.0010	
1,1,1,2-Tetrachloroethane	630-20-6	<0.0010	
Ethylbenzene	100-41-4	<0.0010	
m&p-Xylene	1330-20-7	<0.0030	
o-Xylene	1330-20-7	<0.0030	
Styrene	100-42-5	<0.0010	
Bromoform	75-25-2	<0.0010	
Isopropylbenzene	98-82-8	<0.0010	
Bromobenzene	108-86-1	<0.0010	
1,1,2,2-Tetrachloroethane	79-34-5	<0.0010	
1,2,3-Trichloropropane	96-18-4	<0.0025	
n-Propylbenzene	103-65-1	<0.0010	
2-Chlorotoluene	95-49-8	<0.0010	
4-Chlorotoluene	106-43-4	<0.0010	
1,3,5-Trimethylbenzene	108-67-8	<0.0010	
tert-Butylbenzene	98-06-6	<0.0010	
1,2,4-Trimethylbenzene	95-63-6	<0.0010	
sec-Butylbenzene	135-98-8	<0.0010	
1,3-Dichlorobenzene	541-73-1	<0.0010	
p-Isopropyltoluene	99-87-6	<0.0010	
1,4-Dichlorobenzene	106-46-7	<0.0010	
1,2,3-Trimethylbenzene	526-73-8	<0.0010	
1,2-Dichlorobenzene	95-50-1	<0.0010	
n-Butylbenzene	104-51-8	<0.0010	
1,2-Dibromo-3-Chloropropane	96-12-8	<0.0050	
1,2,4-Trichlorobenzene	120-82-1	<0.0010	
Hexachloro-1,3-butadiene	87-68-3	<0.0010	
Naphthalene	91-20-3	<0.0050	
1,2,3-Trichlorobenzene	87-61-6	<0.0010	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Method Blank

Analyte	CAS	PQL	Qualifiers
Dichlorodifluoromethane	75-71-8	<0.0050	
Chloromethane	74-87-3	<0.0025	
Vinyl chloride	75-01-4	<0.0010	
Bromomethane	74-83-9	<0.0050	
Chloroethane	75-00-3	<0.0050	
Trichlorofluoromethane	75-69-4	<0.0050	
Acrolein	107-02-8	<0.0500	
1,1-Dichloroethene	75-35-4	<0.0010	
1,1,2-Trichlorotrifluoroethane	76-13-1	<0.0010	
Acetone	67-64-1	<0.0500	
Methylene Chloride	75-09-2	<0.0050	
Acrylonitrile	107-13-1	<0.0100	
trans-1,2-Dichloroethene	156-60-5	<0.0010	
Methyl tert-butyl ether	1634-04-4	<0.0010	
1,1-Dichloroethane	75-34-3	<0.0010	
Di-isopropyl ether	108-20-3	<0.0010	
2,2-Dichloropropane	594-20-7	<0.0010	
cis-1,2-Dichloroethene	156-59-2	<0.0010	
2-Butanone (MEK)	78-93-3	<0.0100	
Chloroform	67-66-3	<0.0050	
1,1,1-Trichloroethane	71-55-6	<0.0010	
Carbon tetrachloride	56-23-5	<0.0010	
1,1-Dichloropropene	563-58-6	<0.0010	
Benzene	71-43-2	<0.0010	
1,2-Dichloroethane	107-06-2	<0.0010	
Trichloroethene	79-01-6	<0.0010	
1,2-Dichloropropane	78-87-5	<0.0010	
Dibromomethane	74-95-3	<0.0010	
Bromodichloromethane	75-27-4	<0.0010	
2-Chloroethyl vinyl ether	110-75-8	<0.0500	
cis-1,3-Dichloropropene	10061-01-5	<0.0010	
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.0100	
Toluene	108-88-3	<0.0050	
trans-1,3-Dichloropropene	10061-02-6	<0.0010	
1,1,2-Trichloroethane	79-00-5	<0.0010	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Method Blank

Analyte	CAS	PQL	Qualifiers
Tetrachloroethene	127-18-4	<0.0010	
1,3-Dichloropropane	142-28-9	<0.0010	
Chlorodibromomethane	124-48-1	<0.0010	
1,2-Dibromoethane	106-93-4	<0.0010	
Chlorobenzene	108-90-7	<0.0010	
1,1,1,2-Tetrachloroethane	630-20-6	<0.0010	
Ethylbenzene	100-41-4	<0.0010	
m&p-Xylene	1330-20-7	<0.0030	
o-Xylene	1330-20-7	<0.0030	
Styrene	100-42-5	<0.0010	
Bromoform	75-25-2	<0.0010	
Isopropylbenzene	98-82-8	<0.0010	
Bromobenzene	108-86-1	<0.0010	
1,1,2,2-Tetrachloroethane	79-34-5	<0.0010	
1,2,3-Trichloropropane	96-18-4	<0.0025	
n-Propylbenzene	103-65-1	<0.0010	
2-Chlorotoluene	95-49-8	<0.0010	
4-Chlorotoluene	106-43-4	<0.0010	
1,3,5-Trimethylbenzene	108-67-8	<0.0010	
tert-Butylbenzene	98-06-6	<0.0010	
1,2,4-Trimethylbenzene	95-63-6	<0.0010	
sec-Butylbenzene	135-98-8	<0.0010	
1,3-Dichlorobenzene	541-73-1	<0.0010	
p-Isopropyltoluene	99-87-6	<0.0010	
1,4-Dichlorobenzene	106-46-7	<0.0010	
1,2,3-Trimethylbenzene	526-73-8	<0.0010	
1,2-Dichlorobenzene	95-50-1	<0.0010	
n-Butylbenzene	104-51-8	<0.0010	
1,2-Dibromo-3-Chloropropane	96-12-8	<0.0050	
1,2,4-Trichlorobenzene	120-82-1	<0.0010	
Hexachloro-1,3-butadiene	87-68-3	<0.0010	
Naphthalene	91-20-3	<0.0050	
1,2,3-Trichlorobenzene	87-61-6	<0.0010	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Dichlorodifluoromethane	0.0250	0.0240	96.1	33 - 173	
Chloromethane	0.0250	0.0227	90.9	50 - 141	
Vinyl chloride	0.0250	0.0235	94.1	55 - 142	
Bromomethane	0.0250	0.0212	85.0	42 - 172	
Chloroethane	0.0250	0.0257	103	52 - 164	
Trichlorofluoromethane	0.0250	0.0240	96.0	53 - 161	
Acrolein	0.125	0.0090	7.2	10 - 181	J4
1,1-Dichloroethene	0.0250	0.0217	86.6	54 - 134	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0209	83.6	53 - 143	
Acetone	0.125	0.107	85.6	49 - 153	
Methylene Chloride	0.0250	0.0218	87.4	67 - 122	
Acrylonitrile	0.125	0.112	89.7	53 - 153	
trans-1,2-Dichloroethene	0.0250	0.0216	86.2	63 - 127	
Methyl tert-butyl ether	0.0250	0.0236	94.4	67 - 127	
1,1-Dichloroethane	0.0250	0.0227	90.8	73 - 123	
Di-isopropyl ether	0.0250	0.0235	94.1	66 - 129	
2,2-Dichloropropane	0.0250	0.0235	93.9	63 - 130	
cis-1,2-Dichloroethene	0.0250	0.0225	90.2	75 - 121	
2-Butanone (MEK)	0.125	0.110	87.9	58 - 144	
Chloroform	0.0250	0.0232	92.8	76 - 122	
1,1,1-Trichloroethane	0.0250	0.0228	91.2	71 - 126	
Carbon tetrachloride	0.0250	0.0213	85.1	63 - 129	
1,1-Dichloropropene	0.0250	0.0225	90.0	67 - 127	
Benzene	0.0250	0.0228	91.3	72 - 119	
1,2-Dichloroethane	0.0250	0.0223	89.4	69 - 128	
Trichloroethene	0.0250	0.0221	88.3	69 - 131	
1,2-Dichloropropane	0.0250	0.0226	90.5	77 - 121	
Dibromomethane	0.0250	0.0223	89.2	77 - 124	
Bromodichloromethane	0.0250	0.0225	89.9	75 - 127	
2-Chloroethyl vinyl ether	0.125	0.128	103	26 - 172	
cis-1,3-Dichloropropene	0.0250	0.0228	91.4	74 - 124	
4-Methyl-2-pentanone (MIBK)	0.125	0.119	95.5	58 - 147	
Toluene	0.0250	0.0222	88.7	75 - 114	
trans-1,3-Dichloropropene	0.0250	0.0220	88.2	69 - 124	
1,1,2-Trichloroethane	0.0250	0.0217	86.9	81 - 121	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Tetrachloroethene	0.0250	0.0209	83.5	75 - 121	
1,3-Dichloropropane	0.0250	0.0216	86.5	78 - 117	
Chlorodibromomethane	0.0250	0.0220	87.9	73 - 128	
1,2-Dibromoethane	0.0250	0.0220	88.0	78 - 124	
Chlorobenzene	0.0250	0.0217	86.6	78 - 123	
1,1,1,2-Tetrachloroethane	0.0250	0.0227	90.9	77 - 128	
Ethylbenzene	0.0250	0.0218	87.1	77 - 124	
m&p-Xylene	0.0500	0.0440	88.0	76 - 123	
o-Xylene	0.0250	0.0223	89.0	77 - 125	
Styrene	0.0250	0.0161	64.3	69 - 145	J4
Bromoform	0.0250	0.0204	81.5	61 - 136	
Isopropylbenzene	0.0250	0.0247	98.9	74 - 126	
Bromobenzene	0.0250	0.0216	86.2	76 - 121	
1,1,2,2-Tetrachloroethane	0.0250	0.0213	85.3	78 - 130	
1,2,3-Trichloropropane	0.0250	0.0219	87.7	68 - 130	
n-Propylbenzene	0.0250	0.0221	88.6	77 - 125	
2-Chlorotoluene	0.0250	0.0217	86.7	78 - 123	
4-Chlorotoluene	0.0250	0.0219	87.5	78 - 122	
1,3,5-Trimethylbenzene	0.0250	0.0221	88.5	78 - 127	
tert-Butylbenzene	0.0250	0.0224	89.8	76 - 131	
1,2,4-Trimethylbenzene	0.0250	0.0218	87.1	77 - 129	
sec-Butylbenzene	0.0250	0.0223	89.1	77 - 130	
1,3-Dichlorobenzene	0.0250	0.0211	84.4	77 - 127	
p-Isopropyltoluene	0.0250	0.0227	90.7	77 - 132	
1,4-Dichlorobenzene	0.0250	0.0215	85.9	79 - 117	
1,2,3-Trimethylbenzene	0.0250	0.0206	82.4	70 - 127	
1,2-Dichlorobenzene	0.0250	0.0213	85.4	82 - 121	
n-Butylbenzene	0.0250	0.0223	89.4	74 - 130	
1,2-Dibromo-3-Chloropropane	0.0250	0.0213	85.3	55 - 142	
1,2,4-Trichlorobenzene	0.0250	0.0220	88.1	76 - 127	
Hexachloro-1,3-butadiene	0.0250	0.0202	80.7	71 - 134	
Naphthalene	0.0250	0.0203	81.3	70 - 134	
1,2,3-Trichlorobenzene	0.0250	0.0213	85.2	77 - 130	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Dichlorodifluoromethane	0.0250	0.0250	99.9	33 - 173	
Chloromethane	0.0250	0.0232	92.7	50 - 141	
Vinyl chloride	0.0250	0.0242	96.9	55 - 142	
Bromomethane	0.0250	0.0217	86.7	42 - 172	
Chloroethane	0.0250	0.0253	101	52 - 164	
Trichlorofluoromethane	0.0250	0.0243	97.2	53 - 161	
Acrolein	0.125	0.0072	5.8	10 - 181	J4
1,1-Dichloroethene	0.0250	0.0221	88.6	54 - 134	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0210	84.1	53 - 143	
Acetone	0.125	0.108	86.1	49 - 153	
Methylene Chloride	0.0250	0.0226	90.4	67 - 122	
Acrylonitrile	0.125	0.117	94.0	53 - 153	
trans-1,2-Dichloroethene	0.0250	0.0221	88.4	63 - 127	
Methyl tert-butyl ether	0.0250	0.0243	97.2	67 - 127	
1,1-Dichloroethane	0.0250	0.0234	93.6	73 - 123	
Di-isopropyl ether	0.0250	0.0242	96.8	66 - 129	
2,2-Dichloropropane	0.0250	0.0243	97.3	63 - 130	
cis-1,2-Dichloroethene	0.0250	0.0233	93.3	75 - 121	
2-Butanone (MEK)	0.125	0.115	92.0	58 - 144	
Chloroform	0.0250	0.0237	95.0	76 - 122	
1,1,1-Trichloroethane	0.0250	0.0235	94.0	71 - 126	
Carbon tetrachloride	0.0250	0.0219	87.4	63 - 129	
1,1-Dichloropropene	0.0250	0.0230	92.0	67 - 127	
Benzene	0.0250	0.0233	93.1	72 - 119	
1,2-Dichloroethane	0.0250	0.0230	91.9	69 - 128	
Trichloroethene	0.0250	0.0224	89.7	69 - 131	
1,2-Dichloropropane	0.0250	0.0233	93.1	77 - 121	
Dibromomethane	0.0250	0.0229	91.6	77 - 124	
Bromodichloromethane	0.0250	0.0234	93.7	75 - 127	
2-Chloroethyl vinyl ether	0.125	0.135	108	26 - 172	
cis-1,3-Dichloropropene	0.0250	0.0237	94.9	74 - 124	
4-Methyl-2-pentanone (MIBK)	0.125	0.125	100	58 - 147	
Toluene	0.0250	0.0228	91.4	75 - 114	
trans-1,3-Dichloropropene	0.0250	0.0227	90.8	69 - 124	
1,1,2-Trichloroethane	0.0250	0.0220	88.1	81 - 121	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Tetrachloroethene	0.0250	0.0210	84.0	75 - 121	
1,3-Dichloropropane	0.0250	0.0221	88.3	78 - 117	
Chlorodibromomethane	0.0250	0.0224	89.4	73 - 128	
1,2-Dibromoethane	0.0250	0.0227	90.9	78 - 124	
Chlorobenzene	0.0250	0.0218	87.4	78 - 123	
1,1,1,2-Tetrachloroethane	0.0250	0.0230	92.2	77 - 128	
Ethylbenzene	0.0250	0.0220	88.1	77 - 124	
m&p-Xylene	0.0500	0.0447	89.5	76 - 123	
o-Xylene	0.0250	0.0227	90.7	77 - 125	
Styrene	0.0250	0.0163	65.4	69 - 145	J4
Bromoform	0.0250	0.0205	81.9	61 - 136	
Isopropylbenzene	0.0250	0.0249	99.7	74 - 126	
Bromobenzene	0.0250	0.0219	87.5	76 - 121	
1,1,2,2-Tetrachloroethane	0.0250	0.0220	87.9	78 - 130	
1,2,3-Trichloropropane	0.0250	0.0222	88.7	68 - 130	
n-Propylbenzene	0.0250	0.0224	89.7	77 - 125	
2-Chlorotoluene	0.0250	0.0220	88.2	78 - 123	
4-Chlorotoluene	0.0250	0.0222	88.8	78 - 122	
1,3,5-Trimethylbenzene	0.0250	0.0227	90.7	78 - 127	
tert-Butylbenzene	0.0250	0.0229	91.5	76 - 131	
1,2,4-Trimethylbenzene	0.0250	0.0221	88.4	77 - 129	
sec-Butylbenzene	0.0250	0.0225	90.1	77 - 130	
1,3-Dichlorobenzene	0.0250	0.0216	86.3	77 - 127	
p-Isopropyltoluene	0.0250	0.0231	92.4	77 - 132	
1,4-Dichlorobenzene	0.0250	0.0224	89.7	79 - 117	
1,2,3-Trimethylbenzene	0.0250	0.0213	85.2	70 - 127	
1,2-Dichlorobenzene	0.0250	0.0221	88.3	82 - 121	
n-Butylbenzene	0.0250	0.0234	93.7	74 - 130	
1,2-Dibromo-3-Chloropropane	0.0250	0.0233	93.2	55 - 142	
1,2,4-Trichlorobenzene	0.0250	0.0232	92.9	76 - 127	
Hexachloro-1,3-butadiene	0.0250	0.0214	85.5	71 - 134	
Naphthalene	0.0250	0.0218	87.4	70 - 134	
1,2,3-Trichlorobenzene	0.0250	0.0226	90.3	77 - 130	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Dichlorodifluoromethane	0.0250	0.0205	81.9	33 - 173	
Chloromethane	0.0250	0.0182	72.6	50 - 141	
Vinyl chloride	0.0250	0.0191	76.3	55 - 142	
Bromomethane	0.0250	0.0205	81.8	42 - 172	
Chloroethane	0.0250	0.0205	82.0	52 - 164	
Trichlorofluoromethane	0.0250	0.0205	82.0	53 - 161	
Acrolein	0.125	0.0079	6.3	10 - 181	J4
1,1-Dichloroethene	0.0250	0.0173	69.3	54 - 134	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0174	69.5	53 - 143	
Acetone	0.125	0.124	99.2	49 - 153	
Methylene Chloride	0.0250	0.0197	78.6	67 - 122	
Acrylonitrile	0.125	0.121	96.8	53 - 153	
trans-1,2-Dichloroethene	0.0250	0.0178	71.1	63 - 127	
Methyl tert-butyl ether	0.0250	0.0236	94.3	67 - 127	
1,1-Dichloroethane	0.0250	0.0209	83.5	73 - 123	
Di-isopropyl ether	0.0250	0.0228	91.0	66 - 129	
2,2-Dichloropropane	0.0250	0.0221	88.3	63 - 130	
cis-1,2-Dichloroethene	0.0250	0.0209	83.6	75 - 121	
2-Butanone (MEK)	0.125	0.121	96.9	58 - 144	
Chloroform	0.0250	0.0222	88.8	76 - 122	
1,1,1-Trichloroethane	0.0250	0.0211	84.4	71 - 126	
Carbon tetrachloride	0.0250	0.0186	74.5	63 - 129	
1,1-Dichloropropene	0.0250	0.0193	77.1	67 - 127	
Benzene	0.0250	0.0203	81.3	72 - 119	
1,2-Dichloroethane	0.0250	0.0214	85.6	69 - 128	
Trichloroethene	0.0250	0.0200	79.9	69 - 131	
1,2-Dichloropropane	0.0250	0.0213	85.4	77 - 121	
Dibromomethane	0.0250	0.0210	84.1	77 - 124	
Bromodichloromethane	0.0250	0.0212	84.9	75 - 127	
2-Chloroethyl vinyl ether	0.125	0.143	115	26 - 172	
cis-1,3-Dichloropropene	0.0250	0.0217	86.8	74 - 124	
4-Methyl-2-pentanone (MIBK)	0.125	0.131	105	58 - 147	
Toluene	0.0250	0.0204	81.7	75 - 114	
trans-1,3-Dichloropropene	0.0250	0.0214	85.5	69 - 124	
1,1,2-Trichloroethane	0.0250	0.0215	86.0	81 - 121	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Tetrachloroethene	0.0250	0.0190	76.0	75 - 121	
1,3-Dichloropropane	0.0250	0.0212	84.6	78 - 117	
Chlorodibromomethane	0.0250	0.0214	85.5	73 - 128	
1,2-Dibromoethane	0.0250	0.0220	87.8	78 - 124	
Chlorobenzene	0.0250	0.0207	82.8	78 - 123	
1,1,1,2-Tetrachloroethane	0.0250	0.0221	88.4	77 - 128	
Ethylbenzene	0.0250	0.0206	82.5	77 - 124	
m&p-Xylene	0.0500	0.0422	84.4	76 - 123	
o-Xylene	0.0250	0.0216	86.2	77 - 125	
Styrene	0.0250	0.0157	62.7	69 - 145	J4
Bromoform	0.0250	0.0199	79.8	61 - 136	
Isopropylbenzene	0.0250	0.0241	96.4	74 - 126	
Bromobenzene	0.0250	0.0212	84.9	76 - 121	
1,1,2,2-Tetrachloroethane	0.0250	0.0227	90.6	78 - 130	
1,2,3-Trichloropropane	0.0250	0.0235	94.1	68 - 130	
n-Propylbenzene	0.0250	0.0216	86.4	77 - 125	
2-Chlorotoluene	0.0250	0.0213	85.3	78 - 123	
4-Chlorotoluene	0.0250	0.0217	86.8	78 - 122	
1,3,5-Trimethylbenzene	0.0250	0.0218	87.4	78 - 127	
tert-Butylbenzene	0.0250	0.0221	88.4	76 - 131	
1,2,4-Trimethylbenzene	0.0250	0.0215	85.9	77 - 129	
sec-Butylbenzene	0.0250	0.0220	88.1	77 - 130	
1,3-Dichlorobenzene	0.0250	0.0215	86.0	77 - 127	
p-Isopropyltoluene	0.0250	0.0227	90.6	77 - 132	
1,4-Dichlorobenzene	0.0250	0.0214	85.7	79 - 117	
1,2,3-Trimethylbenzene	0.0250	0.0204	81.5	70 - 127	
1,2-Dichlorobenzene	0.0250	0.0218	87.1	82 - 121	
n-Butylbenzene	0.0250	0.0226	90.3	74 - 130	
1,2-Dibromo-3-Chloropropane	0.0250	0.0236	94.5	55 - 142	
1,2,4-Trichlorobenzene	0.0250	0.0230	91.8	76 - 127	
Hexachloro-1,3-butadiene	0.0250	0.0211	84.2	71 - 134	
Naphthalene	0.0250	0.0215	86.0	70 - 134	
1,2,3-Trichlorobenzene	0.0250	0.0221	88.3	77 - 130	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Dichlorodifluoromethane	0.0250	0.0201	80.3	33 - 173	
Chloromethane	0.0250	0.0183	73.1	50 - 141	
Vinyl chloride	0.0250	0.0192	76.7	55 - 142	
Bromomethane	0.0250	0.0210	83.8	42 - 172	
Chloroethane	0.0250	0.0210	83.8	52 - 164	
Trichlorofluoromethane	0.0250	0.0210	84.0	53 - 161	
Acrolein	0.125	0.0066	5.2	10 - 181	J4
1,1-Dichloroethene	0.0250	0.0175	69.9	54 - 134	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0177	70.7	53 - 143	
Acetone	0.125	0.120	96.4	49 - 153	
Methylene Chloride	0.0250	0.0199	79.8	67 - 122	
Acrylonitrile	0.125	0.120	95.9	53 - 153	
trans-1,2-Dichloroethene	0.0250	0.0181	72.5	63 - 127	
Methyl tert-butyl ether	0.0250	0.0238	95.4	67 - 127	
1,1-Dichloroethane	0.0250	0.0214	85.5	73 - 123	
Di-isopropyl ether	0.0250	0.0233	93.2	66 - 129	
2,2-Dichloropropane	0.0250	0.0226	90.4	63 - 130	
cis-1,2-Dichloroethene	0.0250	0.0215	85.9	75 - 121	
2-Butanone (MEK)	0.125	0.123	98.6	58 - 144	
Chloroform	0.0250	0.0225	90.0	76 - 122	
1,1,1-Trichloroethane	0.0250	0.0216	86.2	71 - 126	
Carbon tetrachloride	0.0250	0.0189	75.7	63 - 129	
1,1-Dichloropropene	0.0250	0.0195	78.0	67 - 127	
Benzene	0.0250	0.0208	83.0	72 - 119	
1,2-Dichloroethane	0.0250	0.0216	86.5	69 - 128	
Trichloroethene	0.0250	0.0207	82.7	69 - 131	
1,2-Dichloropropane	0.0250	0.0226	90.2	77 - 121	
Dibromomethane	0.0250	0.0219	87.6	77 - 124	
Bromodichloromethane	0.0250	0.0220	88.1	75 - 127	
2-Chloroethyl vinyl ether	0.125	0.146	117	26 - 172	
cis-1,3-Dichloropropene	0.0250	0.0225	90.0	74 - 124	
4-Methyl-2-pentanone (MIBK)	0.125	0.131	105	58 - 147	
Toluene	0.0250	0.0212	84.8	75 - 114	
trans-1,3-Dichloropropene	0.0250	0.0221	88.6	69 - 124	
1,1,2-Trichloroethane	0.0250	0.0237	94.7	81 - 121	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Tetrachloroethene	0.0250	0.0207	82.8	75 - 121	
1,3-Dichloropropane	0.0250	0.0230	91.9	78 - 117	
Chlorodibromomethane	0.0250	0.0232	92.8	73 - 128	
1,2-Dibromoethane	0.0250	0.0237	94.9	78 - 124	
Chlorobenzene	0.0250	0.0226	90.3	78 - 123	
1,1,1,2-Tetrachloroethane	0.0250	0.0239	95.5	77 - 128	
Ethylbenzene	0.0250	0.0224	89.5	77 - 124	
m&p-Xylene	0.0500	0.0458	91.6	76 - 123	
o-Xylene	0.0250	0.0234	93.8	77 - 125	
Styrene	0.0250	0.0171	68.4	69 - 145	J4
Bromoform	0.0250	0.0209	83.8	61 - 136	
Isopropylbenzene	0.0250	0.0261	104	74 - 126	
Bromobenzene	0.0250	0.0229	91.5	76 - 121	
1,1,2,2-Tetrachloroethane	0.0250	0.0244	97.5	78 - 130	
1,2,3-Trichloropropane	0.0250	0.0245	98.0	68 - 130	
n-Propylbenzene	0.0250	0.0235	94.1	77 - 125	
2-Chlorotoluene	0.0250	0.0232	92.7	78 - 123	
4-Chlorotoluene	0.0250	0.0235	93.9	78 - 122	
1,3,5-Trimethylbenzene	0.0250	0.0237	94.9	78 - 127	
tert-Butylbenzene	0.0250	0.0242	96.8	76 - 131	
1,2,4-Trimethylbenzene	0.0250	0.0233	93.0	77 - 129	
sec-Butylbenzene	0.0250	0.0239	95.4	77 - 130	
1,3-Dichlorobenzene	0.0250	0.0234	93.7	77 - 127	
p-Isopropyltoluene	0.0250	0.0246	98.4	77 - 132	
1,4-Dichlorobenzene	0.0250	0.0226	90.5	79 - 117	
1,2,3-Trimethylbenzene	0.0250	0.0213	85.3	70 - 127	
1,2-Dichlorobenzene	0.0250	0.0227	90.7	82 - 121	
n-Butylbenzene	0.0250	0.0236	94.6	74 - 130	
1,2-Dibromo-3-Chloropropane	0.0250	0.0231	92.3	55 - 142	
1,2,4-Trichlorobenzene	0.0250	0.0242	96.6	76 - 127	
Hexachloro-1,3-butadiene	0.0250	0.0220	88.2	71 - 134	
Naphthalene	0.0250	0.0225	90.1	70 - 134	
1,2,3-Trichlorobenzene	0.0250	0.0230	91.8	77 - 130	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Surrogate Summary

Laboratory	Dibromofluoromethane		Toluene-d8		4-Bromofluorobenzene		**Alternate Surrogate** a,a,a-Trifluorotoluene	
Sample ID	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec
LCS WG563916	41.5	104	41.6	104	40.3	101	41.4	104
LCSD WG563916	41.1	103	41.4	104	39.3	98.1	41.1	103
MS WG563916	41.7	104	41.0	102	39.4	98.5	41.3	103
MSD WG563916	41.5	104	41.2	103	39.7	99.3	40.9	102
Blank WG563916	40.4	101	41.3	103	40.2	100	41.5	104
L544884-09	40.7	102	41.4	103	41.3	103	41.1	103
L544884-08	40.8	102	41.4	104	42.3	106	41.3	103
L544884-01	41.2	103	41.5	104	41.0	102	41.2	103
L544884-02	40.8	102	41.5	104	41.0	102	40.9	102
L544884-03	40.7	102	41.4	103	40.6	101	41.6	104
L544884-05	42.2	106	42.0	105	40.2	101	41.0	102
L544884-06	41.1	103	41.3	103	40.4	101	41.3	103
L544884-07	41.1	103	41.7	104	40.3	101	41.0	102

Dibromofluoromethane	40 ppb	79 - 125
Toluene - d8	40 ppb	87 - 114
4-Bromofluorobenzene	40 ppb	75 - 128
Alternate Surrogate		
a,a,a-Trifluorotoluene	40 ppb	84 - 114

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Surrogate Summary

Laboratory	Dibromofluoromethane		Toluene-d8		4-Bromofluorobenzene		**Alternate Surrogate** a,a,a-Trifluorotoluene	
Sample ID	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec
LCS WG564454	41.8	105	41.1	103	39.7	99.3	40.9	102
LCSD WG564454	41.3	103	41.1	103	41.3	103	41.4	104
Blank WG564454	40.8	102	41.1	103	40.8	102	42.0	105
MS WG564454	42.5	106	41.1	103	39.7	99.2	41.6	104
MSD WG564454	41.9	105	40.9	102	38.3	95.7	40.9	102
L544884-04	40.6	101	41.3	103	41.5	104	41.4	104

Dibromofluoromethane	40 ppb	79 - 125
Toluene - d8	40 ppb	87 - 114
4-Bromofluorobenzene	40 ppb	75 - 128
Alternate Surrogate		
a,a,a-Trifluorotoluene	40 ppb	84 - 114

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Matrix Spike/Matrix Spike Duplicate

L544884-01

Analyte	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qualifier	% RPD	Control Limits	RPD Qual
Dichlorodifluoromethane	0.0250	0.0000	0.0247	98.9	0.0242	96.6	16-188		2.3	22	
Chloromethane	0.0250	0.0000	0.0229	91.5	0.0222	88.7	27-155		3.1	20	
Vinyl chloride	0.0250	0.0000	0.0234	93.5	0.0229	91.5	32-159		2.2	21	
Bromomethane	0.0250	0.0000	0.0214	85.7	0.0210	83.9	23-177		2.1	21	
Chloroethane	0.0250	0.0000	0.0240	96.0	0.0231	92.3	32-177		4.0	21	
Trichlorofluoromethane	0.0250	0.0000	0.0235	94.2	0.0226	90.4	35-177		4.1	23	
Acrolein	0.125	0.0000	0.0065	5.2	0.0067	5.3	10-189	J6	3.2	30	
1,1-Dichloroethene	0.0250	0.0000	0.0213	85.1	0.0208	83.2	32-152		2.3	20	
1,1,2-	0.0250	0.0000	0.0207	82.9	0.0202	80.8	36-159		2.6	21	
Acetone	0.125	0.0000	0.102	81.5	0.107	85.3	34-146		4.5	22	
Methylene Chloride	0.0250	0.0000	0.0217	86.8	0.0212	84.7	52-130		2.4	20	
Acrylonitrile	0.125	0.0000	0.124	98.9	0.128	102	49-162		3.1	20	
trans-1,2-Dichloroethene	0.0250	0.0000	0.0215	86.0	0.0210	84.1	45-137		2.2	20	
Methyl tert-butyl ether	0.0250	0.0000	0.0242	96.9	0.0240	96.0	55-136		1.0	20	
1,1-Dichloroethane	0.0250	0.0000	0.0228	91.2	0.0218	87.3	58-133		4.4	20	
Di-isopropyl ether	0.0250	0.0000	0.0237	94.7	0.0230	91.9	58-133		3.0	20	
2,2-Dichloropropane	0.0250	0.0000	0.0239	95.6	0.0228	91.1	51-141		4.7	20	
cis-1,2-Dichloroethene	0.0250	0.0000	0.0227	90.7	0.0219	87.8	54-137		3.3	20	
2-Butanone (MEK)	0.125	0.0000	0.118	94.3	0.123	98.3	51-149		4.2	22	
Chloroform	0.0250	0.0000	0.0230	92.1	0.0224	89.4	64-130		2.9	20	
1,1,1-Trichloroethane	0.0250	0.0000	0.0228	91.2	0.0219	87.7	58-137		3.9	20	
Carbon tetrachloride	0.0250	0.0000	0.0212	85.0	0.0202	80.9	49-140		4.9	20	
1,1-Dichloropropene	0.0250	0.0000	0.0222	88.9	0.0216	86.5	50-140		2.7	20	
Benzene	0.0250	0.0000	0.0225	89.8	0.0217	86.7	51-134		3.5	20	
1,2-Dichloroethane	0.0250	0.0000	0.0227	90.6	0.0220	88.1	59-135		2.9	20	
Trichloroethene	0.0250	0.0000	0.0217	87.0	0.0211	84.5	40-155		2.9	20	
1,2-Dichloropropane	0.0250	0.0000	0.0224	89.4	0.0219	87.5	68-126		2.2	20	
Dibromomethane	0.0250	0.0000	0.0226	90.3	0.0223	89.2	68-131		1.3	20	
Bromodichloromethane	0.0250	0.0000	0.0222	88.9	0.0218	87.0	67-132		2.1	20	
2-Chloroethyl vinyl ether	0.125	0.0000	0.0550	44.0	0.0090	7.2	10-161	J6	144	40	J3
cis-1,3-Dichloropropene	0.0250	0.0000	0.0228	91.3	0.0217	86.8	63-127		5.0	20	
4-Methyl-2-pentanone	0.125	0.0000	0.127	102	0.133	107	53-154		4.7	21	
Toluene	0.0250	0.0000	0.0219	87.8	0.0212	84.7	61-126		3.6	20	
trans-1,3-Dichloropropene	0.0250	0.0000	0.0223	89.1	0.0219	87.7	59-130		1.6	20	
1,1,2-Trichloroethane	0.0250	0.0000	0.0216	86.3	0.0213	85.4	73-128		1.0	20	
Tetrachloroethene	0.0250	0.0000	0.0205	81.9	0.0198	79.1	56-139		3.5	20	
1,3-Dichloropropane	0.0250	0.0000	0.0213	85.1	0.0212	85.0	70-122		0.2	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Matrix Spike/Matrix Spike Duplicate

L544884-01

Analyte	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qualifier	% RPD	Control Limits	RPD Qual
Chlorodibromomethane	0.0250	0.0000	0.0216	86.3	0.0212	84.7	68-130		1.9	20	
1,2-Dibromoethane	0.0250	0.0000	0.0226	90.2	0.0223	89.1	71-129		1.2	20	
Chlorobenzene	0.0250	0.0000	0.0208	83.4	0.0204	81.8	69-126		1.9	20	
1,1,1,2-Tetrachloroethane	0.0250	0.0000	0.0220	88.0	0.0213	85.2	71-130		3.2	20	
Ethylbenzene	0.0250	0.0000	0.0213	85.1	0.0204	81.7	64-135		4.1	20	
m&p-Xylene	0.0500	0.0000	0.0428	85.6	0.0417	83.4	62-135		2.6	20	
o-Xylene	0.0250	0.0000	0.0216	86.5	0.0212	84.8	63-135		1.9	20	
Styrene	0.0250	0.0000	0.0157	62.7	0.0153	61.2	58-152		2.5	20	
Bromoform	0.0250	0.0000	0.0204	81.7	0.0205	81.9	59-137		0.2	20	
Isopropylbenzene	0.0250	0.0000	0.0239	95.4	0.0234	93.8	62-134		1.8	20	
Bromobenzene	0.0250	0.0000	0.0208	83.3	0.0206	82.3	64-130		1.2	20	
1,1,2,2-Tetrachloroethane	0.0250	0.0000	0.0219	87.7	0.0224	89.5	64-149		2.0	20	
1,2,3-Trichloropropane	0.0250	0.0000	0.0225	89.9	0.0230	92.1	74-137		2.5	20	
n-Propylbenzene	0.0250	0.0000	0.0216	86.4	0.0211	84.2	62-137		2.6	20	
2-Chlorotoluene	0.0250	0.0000	0.0212	84.9	0.0206	82.6	65-133		2.8	20	
4-Chlorotoluene	0.0250	0.0000	0.0216	86.4	0.0210	84.0	67-129		2.8	20	
1,3,5-Trimethylbenzene	0.0250	0.0000	0.0218	87.2	0.0212	85.0	67-136		2.6	20	
tert-Butylbenzene	0.0250	0.0000	0.0218	87.1	0.0213	85.2	66-139		2.2	20	
1,2,4-Trimethylbenzene	0.0250	0.0000	0.0213	85.2	0.0208	83.1	62-141		2.5	20	
sec-Butylbenzene	0.0250	0.0000	0.0217	86.6	0.0211	84.3	67-139		2.7	20	
1,3-Dichlorobenzene	0.0250	0.0000	0.0212	84.9	0.0205	82.2	69-131		3.2	20	
p-Isopropyltoluene	0.0250	0.0000	0.0223	89.3	0.0217	86.8	64-142		2.9	20	
1,4-Dichlorobenzene	0.0250	0.0000	0.0221	88.5	0.0212	85.0	70-123		4.1	20	
1,2,3-Trimethylbenzene	0.0250	0.0000	0.0208	83.1	0.0202	80.8	67-133		2.9	20	
1,2-Dichlorobenzene	0.0250	0.0000	0.0217	86.7	0.0213	85.0	75-125		1.9	20	
n-Butylbenzene	0.0250	0.0000	0.0234	93.5	0.0225	90.0	62-142		3.8	20	
1,2-Dibromo-3-	0.0250	0.0000	0.0243	97.1	0.0248	99.1	55-148		2.0	22	
1,2,4-Trichlorobenzene	0.0250	0.0000	0.0238	95.2	0.0231	92.5	67-133		2.8	20	
Hexachloro-1,3-butadiene	0.0250	0.0000	0.0212	84.9	0.0205	82.0	64-140		3.4	20	
Naphthalene	0.0250	0.0000	0.0224	89.4	0.0227	90.9	65-140		1.6	20	
1,2,3-Trichlorobenzene	0.0250	0.0000	0.0226	90.5	0.0220	88.1	68-135		2.7	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
Dichlorodifluoromethane	0.0250	0.0240	96.1	0.0250	99.9	33-173		3.9	20	
Chloromethane	0.0250	0.0227	90.9	0.0232	92.7	50-141		2.0	20	
Vinyl chloride	0.0250	0.0235	94.1	0.0242	96.9	55-142		2.9	20	
Bromomethane	0.0250	0.0212	85.0	0.0217	86.7	42-172		1.9	20	
Chloroethane	0.0250	0.0257	103	0.0253	101	52-164		1.6	20	
Trichlorofluoromethane	0.0250	0.0240	96.0	0.0243	97.2	53-161		1.3	20	
Acrolein	0.125	0.0090	7.2	0.0072	5.8	10-181	J4	22	30	
1,1-Dichloroethene	0.0250	0.0217	86.6	0.0221	88.6	54-134		2.3	20	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0209	83.6	0.0210	84.1	53-143		0.5	20	
Acetone	0.125	0.107	85.6	0.108	86.1	49-153		0.5	21	
Methylene Chloride	0.0250	0.0218	87.4	0.0226	90.4	67-122		3.4	20	
Acrylonitrile	0.125	0.112	89.7	0.117	94.0	53-153		4.6	20	
trans-1,2-Dichloroethene	0.0250	0.0216	86.2	0.0221	88.4	63-127		2.5	20	
Methyl tert-butyl ether	0.0250	0.0236	94.4	0.0243	97.2	67-127		2.9	20	
1,1-Dichloroethane	0.0250	0.0227	90.8	0.0234	93.6	73-123		3.0	20	
Di-isopropyl ether	0.0250	0.0235	94.1	0.0242	96.8	66-129		2.9	20	
2,2-Dichloropropane	0.0250	0.0235	93.9	0.0243	97.3	63-130		3.6	20	
cis-1,2-Dichloroethene	0.0250	0.0225	90.2	0.0233	93.3	75-121		3.4	20	
2-Butanone (MEK)	0.125	0.110	87.9	0.115	92.0	58-144		4.5	20	
Chloroform	0.0250	0.0232	92.8	0.0237	95.0	76-122		2.3	20	
1,1,1-Trichloroethane	0.0250	0.0228	91.2	0.0235	94.0	71-126		3.0	20	
Carbon tetrachloride	0.0250	0.0213	85.1	0.0219	87.4	63-129		2.7	20	
1,1-Dichloropropene	0.0250	0.0225	90.0	0.0230	92.0	67-127		2.2	20	
Benzene	0.0250	0.0228	91.3	0.0233	93.1	72-119		2.0	20	
1,2-Dichloroethane	0.0250	0.0223	89.4	0.0230	91.9	69-128		2.8	20	
Trichloroethene	0.0250	0.0221	88.3	0.0224	89.7	69-131		1.6	20	
1,2-Dichloropropane	0.0250	0.0226	90.5	0.0233	93.1	77-121		2.8	20	
Dibromomethane	0.0250	0.0223	89.2	0.0229	91.6	77-124		2.7	20	
Bromodichloromethane	0.0250	0.0225	89.9	0.0234	93.7	75-127		4.1	20	
2-Chloroethyl vinyl ether	0.125	0.128	103	0.135	108	26-172		5.4	22	
cis-1,3-Dichloropropene	0.0250	0.0228	91.4	0.0237	94.9	74-124		3.8	20	
4-Methyl-2-pentanone (MIBK)	0.125	0.119	95.5	0.125	100	58-147		4.7	20	
Toluene	0.0250	0.0222	88.7	0.0228	91.4	75-114		2.9	20	
trans-1,3-Dichloropropene	0.0250	0.0220	88.2	0.0227	90.8	69-124		2.9	20	
1,1,2-Trichloroethane	0.0250	0.0217	86.9	0.0220	88.1	81-121		1.4	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
Tetrachloroethene	0.0250	0.0209	83.5	0.0210	84.0	75-121		0.6	20	
1,3-Dichloropropane	0.0250	0.0216	86.5	0.0221	88.3	78-117		2.1	20	
Chlorodibromomethane	0.0250	0.0220	87.9	0.0224	89.4	73-128		1.8	20	
1,2-Dibromoethane	0.0250	0.0220	88.0	0.0227	90.9	78-124		3.3	20	
Chlorobenzene	0.0250	0.0217	86.6	0.0218	87.4	78-123		0.9	20	
1,1,1,2-Tetrachloroethane	0.0250	0.0227	90.9	0.0230	92.2	77-128		1.4	20	
Ethylbenzene	0.0250	0.0218	87.1	0.0220	88.1	77-124		1.2	20	
m&p-Xylene	0.0500	0.0440	88.0	0.0447	89.5	76-123		1.7	20	
o-Xylene	0.0250	0.0223	89.0	0.0227	90.7	77-125		1.9	20	
Styrene	0.0250	0.0161	64.3	0.0163	65.4	69-145	J4	1.6	20	
Bromoform	0.0250	0.0204	81.5	0.0205	81.9	61-136		0.5	20	
Isopropylbenzene	0.0250	0.0247	98.9	0.0249	99.7	74-126		0.9	20	
Bromobenzene	0.0250	0.0216	86.2	0.0219	87.5	76-121		1.4	20	
1,1,2,2-Tetrachloroethane	0.0250	0.0213	85.3	0.0220	87.9	78-130		3.0	20	
1,2,3-Trichloropropane	0.0250	0.0219	87.7	0.0222	88.7	68-130		1.1	20	
n-Propylbenzene	0.0250	0.0221	88.6	0.0224	89.7	77-125		1.3	20	
2-Chlorotoluene	0.0250	0.0217	86.7	0.0220	88.2	78-123		1.7	20	
4-Chlorotoluene	0.0250	0.0219	87.5	0.0222	88.8	78-122		1.4	20	
1,3,5-Trimethylbenzene	0.0250	0.0221	88.5	0.0227	90.7	78-127		2.5	20	
tert-Butylbenzene	0.0250	0.0224	89.8	0.0229	91.5	76-131		1.9	20	
1,2,4-Trimethylbenzene	0.0250	0.0218	87.1	0.0221	88.4	77-129		1.5	20	
sec-Butylbenzene	0.0250	0.0223	89.1	0.0225	90.1	77-130		1.1	20	
1,3-Dichlorobenzene	0.0250	0.0211	84.4	0.0216	86.3	77-127		2.3	20	
p-Isopropyltoluene	0.0250	0.0227	90.7	0.0231	92.4	77-132		1.8	20	
1,4-Dichlorobenzene	0.0250	0.0215	85.9	0.0224	89.7	79-117		4.3	20	
1,2,3-Trimethylbenzene	0.0250	0.0206	82.4	0.0213	85.2	70-127		3.4	20	
1,2-Dichlorobenzene	0.0250	0.0213	85.4	0.0221	88.3	82-121		3.4	20	
n-Butylbenzene	0.0250	0.0223	89.4	0.0234	93.7	74-130		4.7	20	
1,2-Dibromo-3-Chloropropane	0.0250	0.0213	85.3	0.0233	93.2	55-142		8.8	20	
1,2,4-Trichlorobenzene	0.0250	0.0220	88.1	0.0232	92.9	76-127		5.4	20	
Hexachloro-1,3-butadiene	0.0250	0.0202	80.7	0.0214	85.5	71-134		5.8	20	
Naphthalene	0.0250	0.0203	81.3	0.0218	87.4	70-134		7.2	20	
1,2,3-Trichlorobenzene	0.0250	0.0213	85.2	0.0226	90.3	77-130		5.8	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Matrix Spike/Matrix Spike Duplicate

L544884-04

Analyte	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qualifier	% RPD	Control Limits	RPD Qual
Dichlorodifluoromethane	0.0250	0.0000	0.0212	84.8	0.0189	75.6	16-188		11	22	
Chloromethane	0.0250	0.0000	0.0166	66.2	0.0153	61.2	27-155		7.9	20	
Vinyl chloride	0.0250	0.0000	0.0183	73.0	0.0165	65.9	32-159		10	21	
Bromomethane	0.0250	0.0000	0.0208	83.2	0.0196	78.4	23-177		5.9	21	
Chloroethane	0.0250	0.0000	0.0206	82.3	0.0185	73.8	32-177		11	21	
Trichlorofluoromethane	0.0250	0.0000	0.0214	85.6	0.0194	77.6	35-177		9.9	23	
Acrolein	0.125	0.0000	0.0082	6.6	0.0069	5.5	10-189	J6	17	30	
1,1-Dichloroethene	0.0250	0.0000	0.0176	70.5	0.0165	65.9	32-152		6.7	20	
1,1,2-	0.0250	0.0000	0.0188	75.2	0.0177	70.9	36-159		5.8	21	
Acetone	0.125	0.0000	0.111	88.4	0.110	88.0	34-146		0.5	22	
Methylene Chloride	0.0250	0.0000	0.0206	82.4	0.0189	75.6	52-130		8.6	20	
Acrylonitrile	0.125	0.0000	0.129	103	0.127	101	49-162		1.9	20	
trans-1,2-Dichloroethene	0.0250	0.0000	0.0177	70.8	0.0160	64.1	45-137		9.8	20	
Methyl tert-butyl ether	0.0250	0.0000	0.0249	99.7	0.0237	94.8	55-136		5.1	20	
1,1-Dichloroethane	0.0250	0.0000	0.0215	86.1	0.0202	80.8	58-133		6.4	20	
Di-isopropyl ether	0.0250	0.0000	0.0239	95.5	0.0224	89.8	58-133		6.1	20	
2,2-Dichloropropane	0.0250	0.0000	0.0233	93.4	0.0217	87.0	51-141		7.1	20	
cis-1,2-Dichloroethene	0.0250	0.0000	0.0215	86.1	0.0200	79.8	54-137		7.5	20	
2-Butanone (MEK)	0.125	0.0000	0.128	102	0.126	101	51-149		1.6	22	
Chloroform	0.0250	0.0000	0.0234	93.5	0.0216	86.2	64-130		8.1	20	
1,1,1-Trichloroethane	0.0250	0.0000	0.0219	87.7	0.0202	81.0	58-137		8.0	20	
Carbon tetrachloride	0.0250	0.0000	0.0193	77.3	0.0178	71.1	49-140		8.4	20	
1,1-Dichloropropene	0.0250	0.0000	0.0192	76.9	0.0179	71.4	50-140		7.4	20	
Benzene	0.0250	0.0000	0.0206	82.6	0.0192	76.8	51-134		7.2	20	
1,2-Dichloroethane	0.0250	0.0000	0.0222	88.7	0.0208	83.3	59-135		6.3	20	
Trichloroethene	0.0250	0.0000	0.0202	81.0	0.0187	74.9	40-155		7.7	20	
1,2-Dichloropropane	0.0250	0.0000	0.0228	91.3	0.0210	83.9	68-126		8.4	20	
Dibromomethane	0.0250	0.0000	0.0226	90.4	0.0211	84.3	68-131		7.0	20	
Bromodichloromethane	0.0250	0.0000	0.0230	92.1	0.0213	85.4	67-132		7.6	20	
2-Chloroethyl vinyl ether	0.125	0.0000	0.0531	42.5	0.0036	2.9	10-161	J6	175	40	J3
cis-1,3-Dichloropropene	0.0250	0.0000	0.0226	90.5	0.0205	82.1	63-127		9.8	20	
4-Methyl-2-pentanone	0.125	0.0000	0.141	113	0.139	111	53-154		2.0	21	
Toluene	0.0250	0.0003	0.0216	85.0	0.0197	77.4	61-126		9.2	20	
trans-1,3-Dichloropropene	0.0250	0.0000	0.0230	91.9	0.0215	86.0	59-130		6.7	20	
1,1,2-Trichloroethane	0.0250	0.0000	0.0228	91.3	0.0216	86.5	73-128		5.3	20	
Tetrachloroethene	0.0250	0.0000	0.0194	77.5	0.0178	71.2	56-139		8.5	20	
1,3-Dichloropropane	0.0250	0.0000	0.0224	89.6	0.0213	85.0	70-122		5.3	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Matrix Spike/Matrix Spike Duplicate

L544884-04

Analyte	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qualifier	% RPD	Control Limits	RPD Qual
Chlorodibromomethane	0.0250	0.0000	0.0228	91.2	0.0215	85.8	68-130		6.1	20	
1,2-Dibromoethane	0.0250	0.0000	0.0229	91.8	0.0216	86.3	71-129		6.2	20	
Chlorobenzene	0.0250	0.0000	0.0216	86.5	0.0199	79.6	69-126		8.4	20	
1,1,1,2-Tetrachloroethane	0.0250	0.0000	0.0235	94.1	0.0215	86.1	71-130		8.9	20	
Ethylbenzene	0.0250	0.0000	0.0215	86.1	0.0197	78.9	64-135		8.8	20	
m&p-Xylene	0.0500	0.0000	0.0439	87.8	0.0401	80.2	62-135		9.0	20	
o-Xylene	0.0250	0.0000	0.0221	88.6	0.0205	81.8	63-135		8.0	20	
Styrene	0.0250	0.0000	0.0165	65.8	0.0151	60.3	58-152		8.7	20	
Bromoform	0.0250	0.0000	0.0218	87.3	0.0202	80.9	59-137		7.6	20	
Isopropylbenzene	0.0250	0.0000	0.0250	100	0.0230	91.8	62-134		8.7	20	
Bromobenzene	0.0250	0.0000	0.0223	89.2	0.0203	81.2	64-130		9.4	20	
1,1,2,2-Tetrachloroethane	0.0250	0.0000	0.0248	99.2	0.0232	93.0	64-149		6.5	20	
1,2,3-Trichloropropane	0.0250	0.0000	0.0249	99.7	0.0236	94.3	74-137		5.6	20	
n-Propylbenzene	0.0250	0.0000	0.0228	91.1	0.0207	82.6	62-137		9.7	20	
2-Chlorotoluene	0.0250	0.0000	0.0226	90.2	0.0205	81.9	65-133		9.7	20	
4-Chlorotoluene	0.0250	0.0000	0.0230	92.0	0.0207	82.9	67-129		10	20	
1,3,5-Trimethylbenzene	0.0250	0.0000	0.0232	92.8	0.0209	83.8	67-136		10	20	
tert-Butylbenzene	0.0250	0.0000	0.0234	93.5	0.0212	84.7	66-139		9.8	20	
1,2,4-Trimethylbenzene	0.0250	0.0000	0.0226	90.5	0.0203	81.4	62-141		11	20	
sec-Butylbenzene	0.0250	0.0000	0.0233	93.3	0.0211	84.5	67-139		9.9	20	
1,3-Dichlorobenzene	0.0250	0.0000	0.0230	91.9	0.0207	82.9	69-131		10	20	
p-Isopropyltoluene	0.0250	0.0000	0.0239	95.6	0.0213	85.4	64-142		11	20	
1,4-Dichlorobenzene	0.0250	0.0000	0.0237	94.9	0.0220	88.0	70-123		7.5	20	
1,2,3-Trimethylbenzene	0.0250	0.0000	0.0221	88.5	0.0206	82.3	67-133		7.3	20	
1,2-Dichlorobenzene	0.0250	0.0000	0.0233	93.3	0.0220	88.1	75-125		5.7	20	
n-Butylbenzene	0.0250	0.0000	0.0248	99.4	0.0227	90.7	62-142		9.1	20	
1,2-Dibromo-3-	0.0250	0.0000	0.0253	101	0.0251	100	55-148		0.8	22	
1,2,4-Trichlorobenzene	0.0250	0.0000	0.0254	102	0.0235	94.0	67-133		7.7	20	
Hexachloro-1,3-butadiene	0.0250	0.0000	0.0227	90.7	0.0206	82.3	64-140		9.8	20	
Naphthalene	0.0250	0.0000	0.0236	94.4	0.0228	91.4	65-140		3.3	20	
1,2,3-Trichlorobenzene	0.0250	0.0000	0.0239	95.8	0.0222	88.9	68-135		7.4	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
Dichlorodifluoromethane	0.0250	0.0205	81.9	0.0201	80.3	33-173		1.9	20	
Chloromethane	0.0250	0.0182	72.6	0.0183	73.1	50-141		0.7	20	
Vinyl chloride	0.0250	0.0191	76.3	0.0192	76.7	55-142		0.5	20	
Bromomethane	0.0250	0.0205	81.8	0.0210	83.8	42-172		2.4	20	
Chloroethane	0.0250	0.0205	82.0	0.0210	83.8	52-164		2.2	20	
Trichlorofluoromethane	0.0250	0.0205	82.0	0.0210	84.0	53-161		2.3	20	
Acrolein	0.125	0.0079	6.3	0.0066	5.2	10-181	J4	18	30	
1,1-Dichloroethene	0.0250	0.0173	69.3	0.0175	69.9	54-134		0.7	20	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0174	69.5	0.0177	70.7	53-143		1.7	20	
Acetone	0.125	0.124	99.2	0.120	96.4	49-153		2.9	21	
Methylene Chloride	0.0250	0.0197	78.6	0.0199	79.8	67-122		1.5	20	
Acrylonitrile	0.125	0.121	96.8	0.120	95.9	53-153		1.0	20	
trans-1,2-Dichloroethene	0.0250	0.0178	71.1	0.0181	72.5	63-127		1.9	20	
Methyl tert-butyl ether	0.0250	0.0236	94.3	0.0238	95.4	67-127		1.2	20	
1,1-Dichloroethane	0.0250	0.0209	83.5	0.0214	85.5	73-123		2.4	20	
Di-isopropyl ether	0.0250	0.0228	91.0	0.0233	93.2	66-129		2.3	20	
2,2-Dichloropropane	0.0250	0.0221	88.3	0.0226	90.4	63-130		2.3	20	
cis-1,2-Dichloroethene	0.0250	0.0209	83.6	0.0215	85.9	75-121		2.7	20	
2-Butanone (MEK)	0.125	0.121	96.9	0.123	98.6	58-144		1.7	20	
Chloroform	0.0250	0.0222	88.8	0.0225	90.0	76-122		1.4	20	
1,1,1-Trichloroethane	0.0250	0.0211	84.4	0.0216	86.2	71-126		2.2	20	
Carbon tetrachloride	0.0250	0.0186	74.5	0.0189	75.7	63-129		1.7	20	
1,1-Dichloropropene	0.0250	0.0193	77.1	0.0195	78.0	67-127		1.3	20	
Benzene	0.0250	0.0203	81.3	0.0208	83.0	72-119		2.0	20	
1,2-Dichloroethane	0.0250	0.0214	85.6	0.0216	86.5	69-128		1.1	20	
Trichloroethene	0.0250	0.0200	79.9	0.0207	82.7	69-131		3.4	20	
1,2-Dichloropropane	0.0250	0.0213	85.4	0.0226	90.2	77-121		5.5	20	
Dibromomethane	0.0250	0.0210	84.1	0.0219	87.6	77-124		4.1	20	
Bromodichloromethane	0.0250	0.0212	84.9	0.0220	88.1	75-127		3.6	20	
2-Chloroethyl vinyl ether	0.125	0.143	115	0.146	117	26-172		2.0	22	
cis-1,3-Dichloropropene	0.0250	0.0217	86.8	0.0225	90.0	74-124		3.6	20	
4-Methyl-2-pentanone (MIBK)	0.125	0.131	105	0.131	105	58-147		0.4	20	
Toluene	0.0250	0.0204	81.7	0.0212	84.8	75-114		3.7	20	
trans-1,3-Dichloropropene	0.0250	0.0214	85.5	0.0221	88.6	69-124		3.5	20	
1,1,2-Trichloroethane	0.0250	0.0215	86.0	0.0237	94.7	81-121		9.6	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
Tetrachloroethene	0.0250	0.0190	76.0	0.0207	82.8	75-121		8.5	20	
1,3-Dichloropropane	0.0250	0.0212	84.6	0.0230	91.9	78-117		8.3	20	
Chlorodibromomethane	0.0250	0.0214	85.5	0.0232	92.8	73-128		8.2	20	
1,2-Dibromoethane	0.0250	0.0220	87.8	0.0237	94.9	78-124		7.7	20	
Chlorobenzene	0.0250	0.0207	82.8	0.0226	90.3	78-123		8.7	20	
1,1,1,2-Tetrachloroethane	0.0250	0.0221	88.4	0.0239	95.5	77-128		7.7	20	
Ethylbenzene	0.0250	0.0206	82.5	0.0224	89.5	77-124		8.2	20	
m&p-Xylene	0.0500	0.0422	84.4	0.0458	91.6	76-123		8.2	20	
o-Xylene	0.0250	0.0216	86.2	0.0234	93.8	77-125		8.4	20	
Styrene	0.0250	0.0157	62.7	0.0171	68.4	69-145	J4	8.6	20	
Bromoform	0.0250	0.0199	79.8	0.0209	83.8	61-136		4.9	20	
Isopropylbenzene	0.0250	0.0241	96.4	0.0261	104	74-126		7.9	20	
Bromobenzene	0.0250	0.0212	84.9	0.0229	91.5	76-121		7.5	20	
1,1,2,2-Tetrachloroethane	0.0250	0.0227	90.6	0.0244	97.5	78-130		7.3	20	
1,2,3-Trichloropropane	0.0250	0.0235	94.1	0.0245	98.0	68-130		4.1	20	
n-Propylbenzene	0.0250	0.0216	86.4	0.0235	94.1	77-125		8.5	20	
2-Chlorotoluene	0.0250	0.0213	85.3	0.0232	92.7	78-123		8.3	20	
4-Chlorotoluene	0.0250	0.0217	86.8	0.0235	93.9	78-122		7.9	20	
1,3,5-Trimethylbenzene	0.0250	0.0218	87.4	0.0237	94.9	78-127		8.3	20	
tert-Butylbenzene	0.0250	0.0221	88.4	0.0242	96.8	76-131		9.1	20	
1,2,4-Trimethylbenzene	0.0250	0.0215	85.9	0.0233	93.0	77-129		8.0	20	
sec-Butylbenzene	0.0250	0.0220	88.1	0.0239	95.4	77-130		7.9	20	
1,3-Dichlorobenzene	0.0250	0.0215	86.0	0.0234	93.7	77-127		8.5	20	
p-Isopropyltoluene	0.0250	0.0227	90.6	0.0246	98.4	77-132		8.2	20	
1,4-Dichlorobenzene	0.0250	0.0214	85.7	0.0226	90.5	79-117		5.4	20	
1,2,3-Trimethylbenzene	0.0250	0.0204	81.5	0.0213	85.3	70-127		4.5	20	
1,2-Dichlorobenzene	0.0250	0.0218	87.1	0.0227	90.7	82-121		4.0	20	
n-Butylbenzene	0.0250	0.0226	90.3	0.0236	94.6	74-130		4.6	20	
1,2-Dibromo-3-Chloropropane	0.0250	0.0236	94.5	0.0231	92.3	55-142		2.4	20	
1,2,4-Trichlorobenzene	0.0250	0.0230	91.8	0.0242	96.6	76-127		5.1	20	
Hexachloro-1,3-butadiene	0.0250	0.0211	84.2	0.0220	88.2	71-134		4.6	20	
Naphthalene	0.0250	0.0215	86.0	0.0225	90.1	70-134		4.6	20	
1,2,3-Trichlorobenzene	0.0250	0.0221	88.3	0.0230	91.8	77-130		3.9	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Method Blank Summary

Client Sample ID	Laboratory Sample ID	Lab Filename	Instrument	Date Analyzed	Time Analyzed
LCS WG563916	LCS WG563916	1103_32.D	VOCMS22	11/3/2011	10:52 PM
LCSD WG563916	LCSD WG563916	1103_33.D	VOCMS22	11/3/2011	11:13 PM
MS WG563916	MS WG563916	1103_34.D	VOCMS22	11/3/2011	11:52 PM
MSD WG563916	MSD WG563916	1103_35.D	VOCMS22	11/4/2011	12:14 AM
Blank WG563916	Blank WG563916	1103_38.D	VOCMS22	11/4/2011	1:18 AM
TRIP BLANK	L544884-09	1103_39.D	VOCMS22	11/4/2011	1:54 AM
RINSATE BLANK	L544884-08	1103_40.D	VOCMS22	11/4/2011	2:15 AM
KC91-152U	L544884-01	1103_41.D	VOCMS22	11/4/2011	2:37 AM
KC91-152L	L544884-02	1103_42.D	VOCMS22	11/4/2011	2:58 AM
KC91-156L	L544884-03	1103_43.D	VOCMS22	11/4/2011	3:20 AM
KC91-157U	L544884-05	1103_45.D	VOCMS22	11/4/2011	4:03 AM
KC91-15L	L544884-06	1103_46.D	VOCMS22	11/4/2011	4:24 AM
DUP	L544884-07	1103_47.D	VOCMS22	11/4/2011	4:46 AM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Method Blank Summary

Client Sample ID	Laboratory Sample ID	Lab Filename	Instrument	Date Analyzed	Time Analyzed
LCS WG564454	LCS WG564454	1107_03.D	VOCMS22	11/7/2011	11:12 AM
LCSD WG564454	LCSD WG564454	1107_04.D	VOCMS22	11/7/2011	11:33 AM
Blank WG564454	Blank WG564454	1107_07.D	VOCMS22	11/7/2011	3:28 PM
MS WG564454	MS WG564454	1107_09.D	VOCMS22	11/7/2011	10:13 PM
MSD WG564454	MSD WG564454	1107_10.D	VOCMS22	11/7/2011	10:35 PM
KC91-156U	L544884-04	1107_12.D	VOCMS22	11/7/2011	11:18 PM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Instrument Performance Summary

FileID: 1103_30.D Date: 11/3/2011 Time: 9:50 PM

m/e	Ion Abundance Criteria	% Relative Abundance
50	15 - 40% of mass 95	20.8
75	30 - 60% of mass 95	51.9
95	100 - 100% of mass 95	100
96	5 - 9% of mass 95	6.9
173	0 - 2% of mass 174	0.7
174	50 - 150% of mass 95	68
175	5 - 9% of mass 174	7.1
176	95 - 101% of mass 174	95.7
177	5 - 9% of mass 176	6.1

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
LCS WG563916	LCS WG563916	1103_32.D	11/3/2011	10:52 PM
LCSD WG563916	LCSD WG563916	1103_33.D	11/3/2011	11:13 PM
MS WG563916	MS WG563916	1103_34.D	11/3/2011	11:52 PM
MSD WG563916	MSD WG563916	1103_35.D	11/4/2011	12:14 AM
Blank WG563916	Blank WG563916	1103_38.D	11/4/2011	1:18 AM
TRIP BLANK	L544884-09	1103_39.D	11/4/2011	1:54 AM
RINSATE BLANK	L544884-08	1103_40.D	11/4/2011	2:15 AM
KC91-152U	L544884-01	1103_41.D	11/4/2011	2:37 AM
KC91-152L	L544884-02	1103_42.D	11/4/2011	2:58 AM
KC91-156L	L544884-03	1103_43.D	11/4/2011	3:20 AM
KC91-157U	L544884-05	1103_45.D	11/4/2011	4:03 AM
KC91-15L	L544884-06	1103_46.D	11/4/2011	4:24 AM
DUP	L544884-07	1103_47.D	11/4/2011	4:46 AM

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Instrument Performance Summary

FileID: 1107_01.D Date: 11/7/2011 Time: 10:05 AM

m/e	Ion Abundance Criteria	% Relative Abundance
50	15 - 40% of mass 95	20.7
75	30 - 60% of mass 95	49.8
95	100 - 100% of mass 95	100
96	5 - 9% of mass 95	6.7
173	0 - 2% of mass 174	0.6
174	50 - 150% of mass 95	66.4
175	5 - 9% of mass 174	7.2
176	95 - 101% of mass 174	97.6
177	5 - 9% of mass 176	6.5

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
LCS WG564454	LCS WG564454	1107_03.D	11/7/2011	11:12 AM
LCSD WG564454	LCSD WG564454	1107_04.D	11/7/2011	11:33 AM
Blank WG564454	Blank WG564454	1107_07.D	11/7/2011	3:28 PM

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Instrument Performance Summary

FileID: 1107_08.D Date: 11/7/2011 Time: 9:20 PM

m/e	Ion Abundance Criteria	% Relative Abundance
50	15 - 40% of mass 95	20.6
75	30 - 60% of mass 95	50.1
95	100 - 100% of mass 95	100
96	5 - 9% of mass 95	6.8
173	0 - 2% of mass 174	0.6
174	50 - 150% of mass 95	67.1
175	5 - 9% of mass 174	7.3
176	95 - 101% of mass 174	99.4
177	5 - 9% of mass 176	6.3

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
MS WG564454	MS WG564454	1107_09.D	11/7/2011	10:13 PM
MSD WG564454	MSD WG564454	1107_10.D	11/7/2011	10:35 PM
KC91-156U	L544884-04	1107_12.D	11/7/2011	11:18 PM

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project: Bannister Complex, KCMO
Instrument ID: VOCMS22
Method Name : V822K02K.M

Relative Response Factor Summary

Compound Name	Level .50	Level 1	Level 2	Level 5.0	Level 10	Level 25	Level 40	Level 75	Level 100	Average RRF	%RSD
TPH (GC/MS) LOW FRACTION										0.000	0.00
DICHLORODIFLUOROMETHANE	0.613	0.844	0.648	0.748	0.663	0.733	0.697	0.624	0.645	0.686	10.33
CHLOROMETHANE		1.225	1.044	0.982	0.840	0.923	0.904	0.813	0.847	0.939	13.82
VINYL CHLORIDE	0.954	1.221	1.052	1.042	0.915	0.999	0.977	0.885	0.925	0.991	9.80
BROMOMETHANE	0.569	0.677	0.603	0.586	0.479	0.551	0.515	0.464	0.461	0.538	13.41
CHLOROETHANE			0.713	0.687	0.581	0.642	0.616	0.504	0.477	0.603	14.66
TRICHLOROFLUOROMETHANE	1.096	1.406	1.257	1.214	1.075	1.143	1.100	0.971	0.979	1.118	12.85
ETHYL ETHER	0.594	0.768	0.641	0.645	0.589	0.602	0.597	0.527	0.542	0.604	11.78
ACROLEIN	0.069	0.073	0.063	0.071	0.067	0.071	0.074	0.068	0.075	0.071	6.81
1,1-DICHLOROETHENE	0.465	0.533	0.515	0.512	0.448	0.502	0.499	0.462	0.483	0.492	5.50
1,1,2-TRICHLOROTRIFLUOROETHANE	0.478	0.581	0.586	0.540	0.495	0.538	0.538	0.494	0.516	0.530	6.73
ACETONE			0.235	0.221	0.204	0.181	0.202	0.170	0.191	0.197	11.87
IODOMETHANE	0.460	0.568	0.568	0.614	0.581	0.677	0.693	0.656	0.705	0.627	13.64
CARBON DISULFIDE	1.184	1.373	1.207	1.260	1.165	1.416	1.465	1.416	1.529	1.367	11.81
METHYLENE CHLORIDE				0.725	0.613	0.628	0.621	0.556	0.581	0.617	8.73
ACRYLONITRILE	0.195	0.233	0.217	0.229	0.221	0.231	0.237	0.211	0.233	0.224	6.03
n-HEXANE	0.649	0.748	0.677	0.677	0.622	0.674	0.667	0.607	0.629	0.660	5.98
TRANS-1,2-DICHLOROETHENE	0.542	0.647	0.611	0.610	0.550	0.603	0.603	0.554	0.584	0.591	5.60
METHYL TERT-BUTYL ETHER	1.271	1.626	1.516	1.549	1.438	1.549	1.588	1.470	1.583	1.523	7.11
1,1-DICHLOROETHANE	1.042	1.257	1.194	1.214	1.097	1.217	1.217	1.115	1.170	1.173	5.72
VINYL ACETATE	0.891	1.188	1.133	1.247	1.188	1.384	1.295	1.231	1.281	1.219	11.38
DI-ISOPROPYL ETHER	1.809	2.270	2.071	2.196	2.011	2.261	2.301	2.124	2.250	2.158	7.30
2,2-DICHLOROPROPANE	0.716	0.853	0.785	0.824	0.732	0.867	0.873	0.824	0.870	0.826	7.86
CIS-1,2-DICHLOROETHENE	0.606	0.723	0.668	0.672	0.613	0.667	0.659	0.612	0.637	0.651	5.45
2-BUTANONE (MEK)	0.076	0.082	0.074	0.080	0.078	0.077	0.082	0.071	0.080	0.078	4.36
BROMOCHLOROMETHANE	0.305	0.355	0.334	0.339	0.304	0.333	0.332	0.298	0.313	0.323	5.70
TETRAHYDROFURAN	0.192	0.208	0.169	0.205	0.194	0.192	0.194	0.176	0.196	0.192	6.30
CHLOROFORM	0.948	1.148	1.083	1.126	0.980	1.082	1.091	0.987	1.037	1.054	6.20

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project: Bannister Complex, KCMO
Instrument ID: VOCMS22
Method Name : V822K02K.M

Relative Response Factor Summary

Compound Name	Level .50	Level 1	Level 2	Level 5.0	Level 10	Level 25	Level 40	Level 75	Level 100	Average RRF	%RSD
DIBROMOFLUOROMETHANE	0.491	0.491	0.480	0.487	0.491	0.491	0.496	0.504	0.503	0.494	1.85
1,1,1-TRICHLOROETHANE	0.747	0.922	0.858	0.871	0.801	0.900	0.905	0.829	0.871	0.860	6.31
CARBON TETRACHLORIDE	0.913	0.849	0.695	0.675	0.617	0.703	0.719	0.675	0.720	0.732	11.99
1,1-DICHLOROPROPENE	0.850	1.005	0.951	0.974	0.881	0.970	0.973	0.885	0.921	0.937	5.38
2,2,4-TRIMETHYLPENTANE	2.458	3.028	2.924	3.011	2.785	3.117	3.104	2.825	2.964	2.927	6.77
BENZENE	2.643	3.118	2.869	2.896	2.605	2.850	2.809	2.566	2.686	2.780	5.95
1,2-DICHLOROETHANE	0.770	0.936	0.831	0.842	0.782	0.828	0.825	0.743	0.781	0.813	6.63
TRICHLOROETHENE	0.308	0.368	0.342	0.350	0.308	0.346	0.347	0.313	0.332	0.335	5.95
1,2-DICHLOROPROPANE	0.234	0.271	0.277	0.278	0.251	0.287	0.287	0.262	0.277	0.270	6.27
DIBROMOMETHANE	0.143	0.188	0.179	0.182	0.170	0.181	0.183	0.165	0.175	0.175	7.36
BROMODICHLOROMETHANE	0.300	0.389	0.347	0.376	0.352	0.411	0.423	0.392	0.418	0.385	10.91
A,A,A-TRIFLUOROTOLUENE	0.524	0.518	0.518	0.507	0.504	0.519	0.511	0.498	0.512	0.510	2.09
2-CHLOROETHYL VINYL ETHER			0.109	0.130	0.135	0.154	0.165	0.153	0.169	0.149	15.17
CIS-1,3-DICHLOROPROPENE		0.414	0.423	0.452	0.450	0.532	0.550	0.506	0.541	0.492	11.69
4-METHYL-2-PENTANONE (MIBK)	0.098	0.127	0.114	0.128	0.128	0.137	0.146	0.129	0.144	0.130	11.58
TOLUENE-D8	1.272	1.250	1.239	1.243	1.229	1.210	1.208	1.213	1.218	1.227	2.01
TOLUENE	1.594	1.857	1.735	1.703	1.517	1.661	1.665	1.483	1.555	1.635	6.86
TRANS-1,3-DICHLOROPROPENE		0.091	0.082	0.093	0.089	0.109	0.116	0.109	0.119	0.104	15.41
1,1,2-TRICHLOROETHANE	1.616	1.917	1.758	1.783	1.548	1.716	1.701	1.523	1.635	1.687	6.90
TETRACHLOROETHENE	1.520	1.912	1.722	1.681	1.453	1.632	1.612	1.486	1.587	1.633	8.32
1,3-DICHLOROPROPANE	3.344	3.882	3.445	3.434	3.098	3.422	3.386	3.015	3.223	3.357	7.01
2-HEXANONE	0.526	0.678	0.620	0.726	0.726	0.791	0.836	0.743	0.838	0.733	14.18
CHLORODIBROMOMETHANE		1.280	1.195	1.297	1.187	1.456	1.486	1.435	1.557	1.399	12.29
1,2-DIBROMOETHANE	1.275	1.545	1.492	1.580	1.422	1.610	1.611	1.448	1.573	1.518	7.26
CHLOROBENZENE	5.092	6.367	6.085	6.134	5.346	6.140	6.038	5.568	5.943	5.910	7.33
1,1,1,2-TETRACHLOROETHANE	1.231	1.608	1.500	1.523	1.368	1.690	1.661	1.556	1.678	1.561	10.68
ETHYLBENZENE		3.287	3.339	3.448	3.002	3.549	3.458	3.195	3.385	3.372	5.92
M&P-XYLENE	3.179	4.238	4.090	4.305	3.746	4.356	4.298	3.948	4.232	4.099	9.72
O-XYLENE	2.955	3.943	3.638	3.872	3.484	4.098	4.023	3.661	3.887	3.771	9.45

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project: Bannister Complex, KCMO
Instrument ID: VOCMS22
Method Name : V822K02K.M

Relative Response Factor Summary

Compound Name	Level .50	Level 1	Level 2	Level 5.0	Level 10	Level 25	Level 40	Level 75	Level 100	Average RRF	%RSD
O-XYLENE	2.955	3.943	3.638	3.872	3.484	4.098	4.023	3.661	3.887	3.771	9.45
STYRENE	4.265	5.661	5.805	6.323	5.561	6.831	6.800	6.220	6.683	6.124	13.71
BROMOFORM	0.392	0.538	0.497	0.615	0.582	0.739	0.800	0.787	0.887	0.649	25.19
ISOPROPYLBENZENE	0.676	0.951	0.914	0.975	0.864	1.019	1.004	0.910	0.956	0.928	10.99
4-BROMOFLUOROBENZENE	2.755	2.821	2.765	2.731	2.656	2.728	2.683	2.684	2.661	2.719	1.90
BROMOBENZENE	4.430	5.553	4.968	4.899	4.302	4.956	4.830	4.406	4.687	4.806	7.71
1,1,2,2-TETRACHLOROETHANE	1.850	2.549	2.253	2.300	2.092	2.333	2.328	2.063	2.220	2.232	8.56
1,2,3-TRICHLOROPROPANE	0.545	0.681	0.647	0.672	0.641	0.689	0.687	0.609	0.671	0.655	7.29
TRANS-1,4-DICHLORO-2-BUTENE	0.478	0.553	0.524	0.566	0.525	0.609	0.605	0.560	0.615	0.569	9.15
N-PROPYLBENZENE	1.052	1.419	1.310	1.360	1.184	1.402	1.364	1.233	1.311	1.302	8.81
2-CHLOROTOLUENE	6.955	9.253	8.558	8.543	7.570	8.859	8.613	7.819	8.244	8.324	8.30
4-CHLOROTOLUENE	6.402	8.172	7.579	7.824	6.765	8.007	7.797	6.997	7.391	7.475	7.74
1,3,5-TRIMETHYLBENZENE	6.418	8.422	8.257	8.825	7.669	9.166	9.025	8.154	8.672	8.403	10.36
TERT-BUTYLBENZENE	5.554	7.336	6.933	7.306	6.474	7.732	7.578	6.899	7.249	7.092	9.61
1,2,4-TRIMETHYLBENZENE	6.451	8.590	8.321	8.979	7.828	9.288	9.024	8.157	8.629	8.446	9.98
SEC-BUTYLBENZENE	0.892	1.203	1.124	1.193	1.051	1.251	1.214	1.092	1.151	1.139	9.40
1,3-DICHLOROBENZENE	4.015	4.714	4.423	4.451	3.799	4.467	4.315	3.888	4.121	4.260	6.85
P-ISOPROPYLTOLUENE	0.606	0.900	0.845	0.933	0.820	0.996	0.964	0.877	0.934	0.888	13.12
1,4-DICHLOROBENZENE	1.634	2.037	1.823	1.760	1.586	1.763	1.747	1.581	1.682	1.736	7.67
1,2,3-TRIMETHYLBENZENE	3.047	3.902	3.655	3.755	3.414	3.880	3.873	3.491	3.697	3.653	7.36
1,2-DICHLOROBENZENE	1.296	1.762	1.539	1.598	1.425	1.592	1.590	1.431	1.508	1.528	8.22
N-BUTYLBENZENE	2.605	3.568	3.452	3.657	3.392	3.927	3.867	3.470	3.650	3.526	10.39
1,2-DIBROMO-3-CHLOROPROPANE			0.091	0.085	0.093	0.109	0.119	0.111	0.128	0.105	15.07
1,2,4-TRICHLOROBENZENE	0.852	0.961	0.902	0.925	0.866	0.984	0.996	0.913	0.988	0.942	6.37
HEXACHLORO-1,3-BUTADIENE	0.502	0.653	0.584	0.605	0.545	0.617	0.619	0.563	0.603	0.593	7.76
NAPHTHALENE				2.110	2.136	2.429	2.552	2.271	2.530	2.369	8.23
1,2,3-TRICHLOROBENZENE	0.769	0.943	0.831	0.854	0.825	0.914	0.923	0.835	0.906	0.873	6.59
1-METHYLNAPHTHALENE					0.931	1.152	1.254	1.150	1.318	1.195	12.98

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project: Bannister Complex, KCMO
Instrument ID: VOCMS22
Method Name : V822K02K.M

Relative Response Factor Summary

Compound Name	Level .50	Level 1	Level 2	Level 5.0	Level 10	Level 25	Level 40	Level 75	Level 100	Average RRF	%RSD
2-METHYLNAPHTHALENE				0.848	0.903	1.059	1.142	1.025	1.157	1.044	12.23
ETHANOL										0.000	0.00
BROMOETHANE										0.000	0.00
METHYL ACETATE										0.000	0.00
ACETONITRILE										0.000	0.00
ALLYL CHLORIDE										0.000	0.00
TERT-BUTYL ALCOHOL										0.000	0.00
CHLOROPRENE										0.000	0.00
ETHYL TERT-BUTYL ETHER										0.000	0.00
PROPIONITRILE										0.000	0.00
ETHYL ACETATE										0.000	0.00
METHACRYLONITRILE										0.000	0.00
CYCLOHEXANE										0.000	0.00
TERT-BUTYL FORMATE										0.000	0.00
ISOBUTANOL										0.000	0.00
T-AMYL ALCOHOL										0.000	0.00
TERT-AMYL METHYL ETHER										0.000	0.00
N-BUTANOL										0.000	0.00
METHYL CYCLOHEXANE										0.000	0.00
2-NITROPROPANE										0.000	0.00
METHYL METHACRYLATE										0.000	0.00
1,4-DIOXANE										0.000	0.00
N-OCTANE										0.000	0.00
3,3-DIMETHYL-1-BUTANOL										0.000	0.00
ETHYL METHACRYLATE										0.000	0.00
CIS-1,4-DICHLORO-2-BUTENE										0.000	0.00
CYCLOHEXANONE										0.000	0.00
PENTACHLOROETHANE										0.000	0.00
HEXACHLOROETHANE										0.000	0.00

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Method Name : V822K02K.M Date : 11/3/2011
FileName : 1103_31.D Time : 10:12 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
Dichlorodifluoromethane	0.6860	0.7186	4.8	
Chloromethane	0.9390	0.8667	7.7	>0.1
Vinyl chloride	0.9910	0.9755	1.6	
Bromomethane	0.5380	0.4706	13	
Chloroethane	0.6030	0.6794	13	
Trichlorofluoromethane	1.1180	1.1267	0.8	
Acrolein	0.0710	0.0775	9.1	
1,1-Dichloroethene	0.4920	0.4591	6.7	
1,1,2-Trichlorotrifluoroethane	0.5300	0.4914	7.3	
Acetone	0.1970	0.1989	1.0	
Methylene Chloride	0.6170	0.5629	8.8	
Acrylonitrile	0.2240	0.2278	1.7	
trans-1,2-Dichloroethene	0.5910	0.5631	4.7	
Methyl tert-butyl ether	1.5230	1.4759	3.1	
1,1-Dichloroethane	1.1730	1.1143	5.0	>0.1
Di-isopropyl ether	2.1580	2.1155	2.0	
2,2-Dichloropropane	0.8260	0.7806	5.5	
cis-1,2-Dichloroethene	0.6510	0.6139	5.7	
2-Butanone (MEK)	0.0780	0.0787	0.8	
Chloroform	1.0540	1.0191	3.3	
1,1,1-Trichloroethane	0.8600	0.8194	4.7	
Carbon tetrachloride	0.7320	0.6527	11	
1,1-Dichloropropene	0.9370	0.8985	4.1	
Benzene	2.7800	2.6007	6.5	
1,2-Dichloroethane	0.8130	0.7812	3.9	
Trichloroethene	0.3350	0.3137	6.3	
1,2-Dichloropropane	0.2700	0.2575	4.6	
Dibromomethane	0.1750	0.1688	3.5	
Bromodichloromethane	0.3850	0.3859	0.2	
2-Chloroethyl vinyl ether	0.1490	0.1718	15	
cis-1,3-Dichloropropene	0.4920	0.4808	2.3	

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Method Name : V822K02K.M Date : 11/3/2011
FileName : 1103_31.D Time : 10:12 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D		
4-Methyl-2-pentanone (MIBK)	0.1300	0.1373	5.6		
Toluene	1.6350	1.5033	8.1		
trans-1,3-Dichloropropene	0.1040	0.1020	1.9		
1,1,2-Trichloroethane	1.6870	1.5210	9.8		
Tetrachloroethene	1.6330	1.3946	15		
1,3-Dichloropropane	3.3570	2.9864	11		
Chlorodibromomethane	1.3990	1.3061	6.6		
1,2-Dibromoethane	1.5180	1.4172	6.6		
Chlorobenzene	5.9100	5.1855	12	>0.3	
1,1,1,2-Tetrachloroethane	1.5610	1.4283	8.5		
Ethylbenzene	3.3720	2.9428	13		
m&p-Xylene	4.0990	3.6516	11		
o-Xylene	3.7710	3.4397	8.8		
Styrene	6.1240	5.9116	3.5		
Bromoform	0.6490	0.6922	14	>0.1	**
Isopropylbenzene	9.2800	8.5576	7.8		
Bromobenzene	4.8060	4.2102	12		
1,1,2,2-Tetrachloroethane	2.2320	2.0774	6.9	>0.3	
1,2,3-Trichloropropane	0.6550	0.6226	4.9		
n-Propylbenzene	13.020	11.7058	10		
2-Chlorotoluene	8.3240	7.4819	10		
4-Chlorotoluene	7.4750	6.7766	9.3		
1,3,5-Trimethylbenzene	8.4030	7.7388	7.9		
tert-Butylbenzene	7.0920	6.4624	8.9		
1,2,4-Trimethylbenzene	8.4460	7.7854	7.8		
sec-Butylbenzene	11.390	10.4823	8.0		
1,3-Dichlorobenzene	4.2600	3.7337	12		
p-Isopropyltoluene	8.8800	8.2731	6.8		
1,4-Dichlorobenzene	1.7360	1.5003	14		
1,2,3-Trimethylbenzene	3.6530	3.3368	8.7		
1,2-Dichlorobenzene	1.5280	1.3850	9.4		

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Method Name : V822K02K.M Date : 11/3/2011
FileName : 1103_31.D Time : 10:12 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D
n-Butylbenzene	3.5260	3.3116	6.1
1,2-Dibromo-3-Chloropropane	0.1050	0.1047	0.2
1,2,4-Trichlorobenzene	0.9420	0.8368	11
Hexachloro-1,3-butadiene	0.5930	0.5246	12
Naphthalene	2.3690	2.1464	9.4
1,2,3-Trichlorobenzene	0.8730	0.7915	9.3

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Method Name : V822K02K.M Date : 11/7/2011
FileName : 1107_02.D Time : 10:27 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
Dichlorodifluoromethane	0.6860	0.6698	2.4	
Chloromethane	0.9390	0.7955	15	>0.1
Vinyl chloride	0.9910	0.8751	12	
Bromomethane	0.5380	0.5178	3.8	
Chloroethane	0.6030	0.5649	6.3	
Trichlorofluoromethane	1.1180	1.0176	9.0	
Acrolein	0.0710	0.0672	5.3	
1,1-Dichloroethene	0.4920	0.4064	17	
1,1,2-Trichlorotrifluoroethane	0.5300	0.4452	16	
Acetone	0.1970	0.2023	2.7	
Methylene Chloride	0.6170	0.5359	13	
Acrylonitrile	0.2240	0.2237	0.1	
trans-1,2-Dichloroethene	0.5910	0.4957	16	
Methyl tert-butyl ether	1.5230	1.4465	5.0	
1,1-Dichloroethane	1.1730	1.0552	10	>0.1
Di-isopropyl ether	2.1580	2.0760	3.8	
2,2-Dichloropropane	0.8260	0.7696	6.8	
cis-1,2-Dichloroethene	0.6510	0.5857	10	
2-Butanone (MEK)	0.0780	0.0764	2.0	
Chloroform	1.0540	0.9744	7.6	
1,1,1-Trichloroethane	0.8600	0.7952	7.5	
Carbon tetrachloride	0.7320	0.6106	17	
1,1-Dichloropropene	0.9370	0.8197	13	
Benzene	2.7800	2.4768	11	
1,2-Dichloroethane	0.8130	0.7594	6.6	
Trichloroethene	0.3350	0.2975	11	
1,2-Dichloropropane	0.2700	0.2545	5.7	
Dibromomethane	0.1750	0.1608	8.1	
Bromodichloromethane	0.3850	0.3642	5.4	
2-Chloroethyl vinyl ether	0.1490	0.1756	18	
cis-1,3-Dichloropropene	0.4920	0.4698	4.5	

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Method Name : V822K02K.M Date : 11/7/2011
FileName : 1107_02.D Time : 10:27 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D		
4-Methyl-2-pentanone (MIBK)	0.1300	0.1323	1.7		
Toluene	1.6350	1.4330	12		
trans-1,3-Dichloropropene	0.1040	0.0989	4.9		
1,1,2-Trichloroethane	1.6870	1.4924	12		
Tetrachloroethene	1.6330	1.3364	18		
1,3-Dichloropropane	3.3570	2.9064	13		
Chlorodibromomethane	1.3990	1.2503	11		
1,2-Dibromoethane	1.5180	1.3639	10		
Chlorobenzene	5.9100	5.1300	13	>0.3	
1,1,1,2-Tetrachloroethane	1.5610	1.4033	10		
Ethylbenzene	3.3720	2.9061	14		
m&p-Xylene	4.0990	3.6168	12		
o-Xylene	3.7710	3.4034	9.7		
Styrene	6.1240	5.7618	5.9		
Bromoform	0.6490	0.6447	20	>0.1	**
Isopropylbenzene	9.2800	8.5785	7.6		
Bromobenzene	4.8060	4.1994	13		
1,1,2,2-Tetrachloroethane	2.2320	2.0820	6.7	>0.3	
1,2,3-Trichloropropane	0.6550	0.6118	6.6		
n-Propylbenzene	13.020	11.6662	10		
2-Chlorotoluene	8.3240	7.4581	10		
4-Chlorotoluene	7.4750	6.7784	9.3		
1,3,5-Trimethylbenzene	8.4030	7.7881	7.3		
tert-Butylbenzene	7.0920	6.5415	7.8		
1,2,4-Trimethylbenzene	8.4460	7.8398	7.2		
sec-Butylbenzene	11.390	10.5076	7.8		
1,3-Dichlorobenzene	4.2600	3.7932	11		
p-Isopropyltoluene	8.8800	8.3874	5.6		
1,4-Dichlorobenzene	1.7360	1.5608	10		
1,2,3-Trimethylbenzene	3.6530	3.3346	8.7		
1,2-Dichlorobenzene	1.5280	1.3983	8.5		

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Method Name : V822K02K.M Date : 11/7/2011
FileName : 1107_02.D Time : 10:27 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D
n-Butylbenzene	3.5260	3.3869	3.9
1,2-Dibromo-3-Chloropropane	0.1050	0.0980	6.6
1,2,4-Trichlorobenzene	0.9420	0.8518	9.6
Hexachloro-1,3-butadiene	0.5930	0.5296	11
Naphthalene	2.3690	2.0387	14
1,2,3-Trichlorobenzene	0.8730	0.7838	10

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Method Name : V822K02K.M Date : 11/7/2011
FileName : 1107_08.D Time : 9:20 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
Dichlorodifluoromethane	0.6860	0.7446	8.5	
Chloromethane	0.9390	0.9044	3.7	>0.1
Vinyl chloride	0.9910	0.9859	0.5	
Bromomethane	0.5380	0.5658	5.2	
Chloroethane	0.6030	0.6339	5.1	
Trichlorofluoromethane	1.1180	1.1250	0.6	
Acrolein	0.0710	0.0764	7.7	
1,1-Dichloroethene	0.4920	0.4529	8.0	
1,1,2-Trichlorotrifluoroethane	0.5300	0.4815	9.2	
Acetone	0.1970	0.1938	1.6	
Methylene Chloride	0.6170	0.5693	7.7	
Acrylonitrile	0.2240	0.2256	0.7	
trans-1,2-Dichloroethene	0.5910	0.5482	7.2	
Methyl tert-butyl ether	1.5230	1.4133	7.2	
1,1-Dichloroethane	1.1730	1.0873	7.3	>0.1
Di-isopropyl ether	2.1580	2.0395	5.5	
2,2-Dichloropropane	0.8260	0.7895	4.4	
cis-1,2-Dichloroethene	0.6510	0.6001	7.8	
2-Butanone (MEK)	0.0780	0.0765	1.9	
Chloroform	1.0540	0.9868	6.4	
1,1,1-Trichloroethane	0.8600	0.8075	6.1	
Carbon tetrachloride	0.7320	0.6475	12	
1,1-Dichloropropene	0.9370	0.8816	5.9	
Benzene	2.7800	2.5698	7.6	
1,2-Dichloroethane	0.8130	0.7646	6.0	
Trichloroethene	0.3350	0.2979	11	
1,2-Dichloropropane	0.2700	0.2471	8.5	
Dibromomethane	0.1750	0.1593	8.9	
Bromodichloromethane	0.3850	0.3671	4.7	
2-Chloroethyl vinyl ether	0.1490	0.1762	18	
cis-1,3-Dichloropropene	0.4920	0.4641	5.7	

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Method Name : V822K02K.M Date : 11/7/2011
FileName : 1107_08.D Time : 9:20 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D		
4-Methyl-2-pentanone (MIBK)	0.1300	0.1300	0.0		
Toluene	1.6350	1.4601	11		
trans-1,3-Dichloropropene	0.1040	0.0987	5.1		
1,1,2-Trichloroethane	1.6870	1.3807	18		
Tetrachloroethene	1.6330	1.3178	19		
1,3-Dichloropropane	3.3570	2.7274	19		
Chlorodibromomethane	1.3990	1.2125	13		
1,2-Dibromoethane	1.5180	1.2994	14		
Chlorobenzene	5.9100	4.8288	18	>0.3	
1,1,1,2-Tetrachloroethane	1.5610	1.3185	16		
Ethylbenzene	3.3720	2.8185	16		
m&p-Xylene	4.0990	3.4726	15		
o-Xylene	3.7710	3.2297	14		
Styrene	6.1240	5.4421	11		
Bromoform	0.6490	0.6487	19	>0.1	**
Isopropylbenzene	9.2800	8.1131	13		
Bromobenzene	4.8060	3.9591	18		
1,1,2,2-Tetrachloroethane	2.2320	1.9447	13	>0.3	
1,2,3-Trichloropropane	0.6550	0.5694	13		
n-Propylbenzene	13.020	11.1520	14		
2-Chlorotoluene	8.3240	7.1039	15		
4-Chlorotoluene	7.4750	6.4581	14		
1,3,5-Trimethylbenzene	8.4030	7.3118	13		
tert-Butylbenzene	7.0920	6.1163	14		
1,2,4-Trimethylbenzene	8.4460	7.4234	12		
sec-Butylbenzene	11.390	9.9053	13		
1,3-Dichlorobenzene	4.2600	3.6093	15		
p-Isopropyltoluene	8.8800	7.8203	12		
1,4-Dichlorobenzene	1.7360	1.4152	18		
1,2,3-Trimethylbenzene	3.6530	3.0549	16		
1,2-Dichlorobenzene	1.5280	1.2522	18		

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Volatile Organic Compounds by Method 8260B
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: VOCMS22

Method Name : V822K02K.M Date : 11/7/2011
FileName : 1107_08.D Time : 9:20 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D
n-Butylbenzene	3.5260	3.0742	13
1,2-Dibromo-3-Chloropropane	0.1050	0.0888	15
1,2,4-Trichlorobenzene	0.9420	0.7575	20
Hexachloro-1,3-butadiene	0.5930	0.4708	21
Naphthalene	2.3690	1.7831	25
1,2,3-Trichlorobenzene	0.8730	0.6734	23

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG563916**
Analysis Date:	11/4/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-01, -02, -03, -05, -06, -07, -08, -09		

Internal Standard Response and Retention Time Summary

FileID:1103_31.D Date:11/3/2011 Time:10:12 PM

	IS1		IS2		IS3		IS4	
	Response	RT	Response	RT	Response	RT	Response	RT
12 Hour Std	407933	5.46	753568	5.9	130763	7.43	329096	10.51
Upper Limit	815866	5.96	1507136	6.4	261526	7.93	658192	11.01
Lower Limit	203966.5	4.96	376784	5.4	65381.5	6.93	164548	10.01
Sample ID	Response	RT	Response	RT	Response	RT	Response	RT
Blank WG563916	395952	5.46	740974	5.9	118280	7.43	291465	10.51
L544884-01	376897	5.46	710606	5.9	113375	7.43	283618	10.51
L544884-02	374743	5.46	708887	5.9	113156	7.43	290807	10.51
L544884-03	367765	5.47	686298	5.9	109718	7.43	274413	10.51
L544884-05	367644	5.46	699389	5.9	114432	7.43	280170	10.51
L544884-06	356763	5.47	676154	5.9	107626	7.43	266940	10.51
L544884-07	367986	5.46	692401	5.9	111129	7.43	271028	10.51
L544884-08	394606	5.46	743591	5.9	113860	7.43	291249	10.51
L544884-09	393711	5.46	741250	5.9	117101	7.43	298513	10.51
LCS WG563916	435341	5.46	798950	5.9	134182	7.43	339723	10.51
LCSD WG563916	427047	5.46	779491	5.9	133230	7.43	332045	10.51
MS WG563916	443146	5.46	814447	5.9	139658	7.43	343747	10.51
MSD WG563916	435798	5.46	800936	5.9	137074	7.43	340514	10.51

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Internal Standard Response and Retention Time Summary

FileID:1107_02.D Date:11/7/2011 Time:10:27 AM

	IS1		IS2		IS3		IS4	
	Response	RT	Response	RT	Response	RT	Response	RT
12 Hour Std	414804	5.46	761685	5.9	131364	7.43	329538	10.51
Upper Limit	829608	5.96	1523370	6.4	262728	7.93	659076	11.01
Lower Limit	207402	4.96	380842.5	5.4	65682	6.93	164769	10.01
Sample ID	Response	RT	Response	RT	Response	RT	Response	RT
Blank WG564454	387280	5.47	708573	5.9	111330	7.43	283638	10.51
LCS WG564454	432130	5.46	787144	5.9	133476	7.43	343002	10.51
LCSD WG564454	417880	5.46	752361	5.9	121038	7.43	319936	10.51

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Volatile Organic Compounds by Method 8260B		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564454**
Analysis Date:	11/7/2011	Analyst:	209
Instrument ID:	VOCMS22		
Sample Numbers:	L544884-04		

Internal Standard Response and Retention Time Summary

FileID:1107_08.D Date:11/7/2011 Time:9:20 PM

	IS1		IS2		IS3		IS4	
	Response	RT	Response	RT	Response	RT	Response	RT
12 Hour Std	427715	5.46	798856	5.9	144488	7.43	377990	10.51
Upper Limit	855430	5.96	1597712	6.4	288976	7.93	755980	11.01
Lower Limit	213857.5	4.96	399428	5.4	72244	6.93	188995	10.01
Sample ID	Response	RT	Response	RT	Response	RT	Response	RT
L544884-04	371198	5.46	682296	5.9	107091	7.43	276675	10.51
MS WG564454	401692	5.46	725062	5.9	124388	7.43	309090	10.51
MSD WG564454	438923	5.46	796285	5.9	136352	7.43	327991	10.51

Raw Data

Sample Run Raw Data Package

Instrument ID	: VOCMS22	Instrument #	: 1
Computer	: VOCCOMPAL	Run ID	: 110311

Data Released By: Jimmy Moshopoulos 11/07/2011
Date

Analyst Comments:

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID : VOCMS22
Computer Name : VOCCOMPAL
Released By : Jimmy Moshopoulos
Date Released : 11/7/2011 4:19:27 PM
Run ID : 110311
Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	Dil.	Mult.	Injected
1	1103_01	INSTBLK	V822K02K					1	1	11/3/11 0959
2	1103_01T	INSTBLK VMS							1	11/3/11 0959
3	1103_02	ICV VMS 25 PPB 11J21182	V822K02K					1	1	11/3/11 1021
4	1103_03	LCS	V822K02K	WG563787		GW		1	1	11/3/11 1120
5	1103_04	LCSD	V822K02K	WG563787		GW		1	1	11/3/11 1141
6	1103_05	MS	V822K02K	WG563787		GW		1	1	11/3/11 1223
7	1103_06	MSD	V822K02K	WG563787		GW		1	1	11/3/11 1245
8	1103_07	1	V822K02K					1	1	11/3/11 1306
9	1103_08	INSTBLK	V822K02K					1	1	11/3/11 1328
10	1103_09	BLANK	V822K02K	WG563787		GW		1	1	11/3/11 1349
11	1103_10	L544732-01	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 1438
12	1103_11	L544550-03	V822K02K	WG563787	V8260STARS	GW	UNIREFPAM	2	2	11/3/11 1500
13	1103_12	L544552-01	V822K02K	WG563787	V8260STARS	GW	UNIREFOPM	1	1	11/3/11 1521
14	1103_13	L544552-02	V822K02K	WG563787	V8260STARS	GW	UNIREFOPM	1	1	11/3/11 1543
15	1103_14	L544552-03	V822K02K	WG563787	V8260STARS	GW	UNIREFOPM	1	1	11/3/11 1605
16	1103_15	L544596-14	V822K02K	WG563787	V8260BTEXMN	GW	JLIPUT	1	1	11/3/11 1626
17	1103_16	L544612-01	V822K02K	WG563787	V8260BTEXN	GW	AQUATEMS	1	1	11/3/11 1648
18	1103_17	L544732-02	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 1709
19	1103_18	L544732-03	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 1731
20	1103_19	L544732-07	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 1752
21	1103_20	L544732-05	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 1814
22	1103_21	L544732-06	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 1836
23	1103_22	L544732-07	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 1857
24	1103_23	L544735-01	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 1919
25	1103_24	L544735-02	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 1940
26	1103_25	L544735-03	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 2002
27	1103_26	L544735-04	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 2024
28	1103_27	L544735-05	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 2045
29	1103_28	L544735-06	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 2107
30	1103_29	L544735-07	V822K02K	WG563787	V8260MI	GW	GAIACIL	1	1	11/3/11 2128
31	1103_30	INSTBLK	V822K02K					1	1	11/3/11 2150
32	1103_30T	INSTBLK VMS							1	11/3/11 2150

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

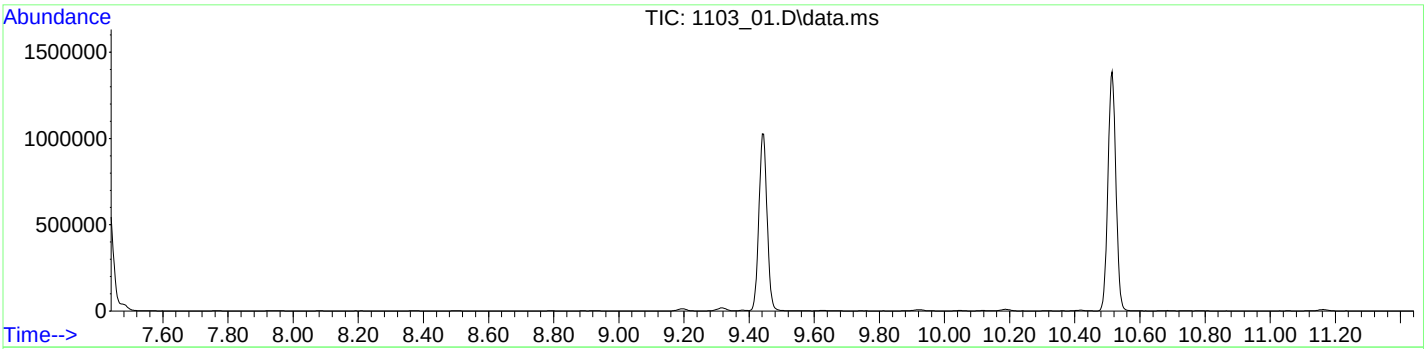
Instrument ID : VOCMS22
Computer Name : VOCCOMPAL
Released By : Jimmy Moshopoulos
Date Released : 11/7/2011 4:19:28 PM
Run ID : 110311
Signature : _____

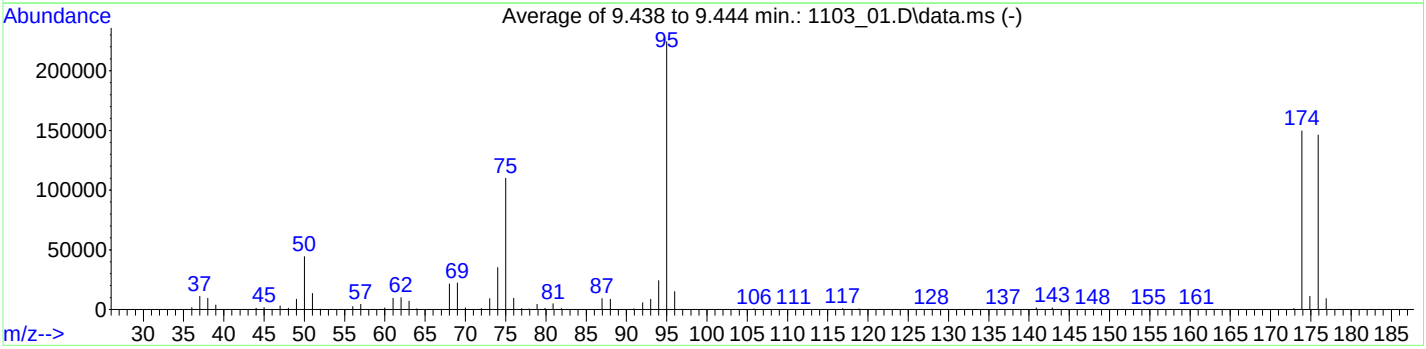
#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	Dil.	Mult.	Injected
33	1103_31	ICV VMS 25 PPB 11J21182	V822K02K					1	1	11/3/11 2212
34	1103_32	LCS	V822K02K	WG563916		GW		1	1	11/3/11 2252
35	1103_33	LCSD	V822K02K	WG563916		GW		1	1	11/3/11 2313
36	1103_34	MS	V822K02K	WG563916		GW		1	1	11/3/11 2352
37	1103_35	MSD	V822K02K	WG563916		GW		1	1	11/4/11 0014
38	1103_36	1	V822K02K					1	1	11/4/11 0035
39	1103_37	INSTBLK	V822K02K					1	1	11/4/11 0057
40	1103_38	BLANK	V822K02K	WG563916		GW		1	1	11/4/11 0118
41	1103_39	L544884-09	V822K02K	WG563916	V8260	GW	TERRLKS	1	1	11/4/11 0154
42	1103_40	L544884-08	V822K02K	WG563916	V8260	GW	TERRLKS	1	1	11/4/11 0215
43	1103_41	L544884-01	V822K02K	WG563916	V8260	GW	TERRLKS	1	1	11/4/11 0237
44	1103_42	L544884-02	V822K02K	WG563916	V8260	GW	TERRLKS	1	1	11/4/11 0258
45	1103_43	L544884-03	V822K02K	WG563916	V8260	GW	TERRLKS	1	1	11/4/11 0320
46	1103_44	DNRL544884 -04	V822K02K	WG563916				1	1	11/4/11 0341
47	1103_45	L544884-05	V822K02K	WG563916	V8260	GW	TERRLKS	1	1	11/4/11 0403
48	1103_46	L544884-06	V822K02K	WG563916	V8260	GW	TERRLKS	1	1	11/4/11 0424
49	1103_47	L544884-07	V822K02K	WG563916	V8260	GW	TERRLKS	1	1	11/4/11 0446
50	1103_48	L544892-01	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0507
51	1103_49	L544892-02	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0529
52	1103_50	L544892-03	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0550
53	1103_51	L544892-04	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0612
54	1103_52	L544892-05	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0633
55	1103_53	L544892-06	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0655
56	1103_54	L544892-07	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0716
57	1103_55	L544892-08	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0738
58	1103_56	L544892-12	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0800
59	1103_57	L544892-13	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0821
60	1103_58	L544892-14	V822K02K	WG563916	V8260	GW	TETRAIIN	1	1	11/4/11 0843

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_01.D
Acq On : 3 Nov 2011 9:59 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V822K02K.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22





AutoFind: Scans 2907, 2908, 2909; Background Corrected with Scan 2892

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	44531	PASS
75	95	30	60	49.0	110123	PASS
95	95	100	100	100.0	224704	PASS
96	95	5	9	6.8	15228	PASS
173	174	0.00	2	0.7	1107	PASS
174	95	50	150	66.7	149952	PASS
175	174	5	9	7.5	11230	PASS
176	174	95	101	97.6	146283	PASS
177	176	5	9	6.5	9472	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	478193	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.898	114	875333	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	144637	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	365036	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	478193	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.898	114	875333	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.434	79	144637	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.515	152	365036	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.107	111	242887	41.0977822	ppb	0.00
	Spiked Amount 40.000	Range 79 - 125		Recovery = 102.74%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	453655	40.6415202	ppb	0.00
	Spiked Amount 40.000	Range 84 - 114		Recovery = 101.60%			
46)	TOLUENE-D8	7.013	98	1092862	40.7071343	ppb	0.00
	Spiked Amount 40.000	Range 87 - 114		Recovery = 101.77%			
	Spiked Amount 40.000	Range 75 - 128		Recovery = 100.02%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	5599379	No Calib		
3)	DICHLORODIFLUOROMETHANE	1.817	85	171039	20.8462982	ppb	99
4)	CHLOROMETHANE	2.023	50	223021	19.8656036	ppb	99
5)	VINYL CHLORIDE	2.107	62	246514	20.8089937	ppb	98
6)	BROMOMETHANE	2.431	94	103765	16.1411305	ppb	99
7)	CHLOROETHANE	2.560	64	173999	24.1455799	ppb	95
8)	TRICHLOROFLUOROMETHANE	2.698	101	283062	21.1718377	ppb	99
9)	ETHYL ETHER	2.991	59	154692	21.4353499	ppb	99
10)	ACROLEIN	3.473	56	111227	130.5077537	ppb	99
11)	1,1-DICHLOROETHENE	3.174	96	128801	21.8834591	ppb	99
12)	1,1,2-TRICHLOROTRIFLUO...	3.209	101	141113	22.2712202	ppb	99
13)	ACETONE	3.724	43	279355	118.5887265	ppb	98
14)	IODOMETHANE	3.303	142	812478	108.3615198	ppb	99
15)	CARBON DISULFIDE	3.203	76	362983	22.2159574	ppb	99
16)	METHYLENE CHLORIDE	3.682	84	160531	21.7757987	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	329528	122.8743377	ppb		100
18) n-HEXANE	3.888	56	162308	20.5815737	ppb		98
19) TRANS-1,2-DICHLOROETHENE	3.820	96	158292	22.4148596	ppb		98
20) METHYL TERT-BUTYL ETHER	3.910	73	432037	23.7355633	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	320243	22.8407269	ppb		100
22) VINYL ACETATE	4.518	43	1869987	128.2798515	ppb		99
23) DI-ISOPROPYL ETHER	4.219	45	613153	23.7630709	ppb		99
24) 2,2-DICHLOROPROPANE	4.846	77	236069	23.8931591	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.756	96	177197	22.7549774	ppb		99
26) 2-BUTANONE (MEK)	5.203	72	115096	123.7747610	ppb		99
27) BROMOCHLOROMETHANE	4.914	130	89086	23.0813150	ppb		97
28) TETRAHYDROFURAN	5.100	42	55104	23.9519477	ppb		97
29) CHLOROFORM	4.962	83	292911	23.2358014	ppb		98
31) 1,1,1-TRICHLOROETHANE	5.139	97	237219	23.0689866	ppb		98
32) CARBON TETRACHLORIDE	5.087	117	187621	21.4341712	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	251703	22.4667494	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.316	57	779475	22.2751025	ppb		99
35) BENZENE	5.431	78	738089	22.2112247	ppb		99
36) 1,2-DICHLOROETHANE	5.586	62	218785	22.5193182	ppb		99
38) TRICHLOROETHENE	5.885	130	166854	22.7321489	ppb	#	52
39) 1,2-DICHLOROPROPANE	6.303	62	137927	23.3100603	ppb		99
40) DIBROMOMETHANE	6.219	93	88579	23.1774139	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	201785	23.9676490	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	435595	133.6211216	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	261333	24.2688118	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	357337	125.8644754	ppb		98
47) TOLUENE	7.055	91	777183	21.7170201	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	54663	23.9447772	ppb		96
50) 1,1,2-TRICHLOROETHANE	7.528	97	138483	22.6974874	ppb		99
51) TETRACHLOROETHENE	7.380	164	125980	21.3349078	ppb		99
52) 1,3-DICHLOROPROPANE	7.766	76	270918	22.3211305	ppb		99
53) 2-HEXANONE	8.068	58	348032	131.2281176	ppb		99
54) CHLORODIBROMOMETHANE	7.685	129	122228	24.1675637	ppb		99
55) 1,2-DIBROMOETHANE	7.901	107	129219	23.5427710	ppb		99
56) CHLOROBENZENE	8.354	112	475980	22.2737617	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	132880	23.5363018	ppb		96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	269261	22.0841073	ppb		100
59)	M&P-XYLENE	8.499	106	659046	44.4620747	ppb		99
60)	O-XYLENE	8.888	106	311101	22.8163285	ppb		100
61)	STYRENE	8.936	104	528838	23.8812387	ppb		99
62)	BROMOFORM	8.965	173	65524	22.5399153	ppb		98
63)	ISOPROPYLBENZENE	9.174	105	778894	23.2039120	ppb		100
65)	BROMOBENZENE	9.547	77	379642	21.8451946	ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	193052	23.9234994	ppb		97
67)	1,2,3-TRICHLOROPROPANE	9.756	110	55557	23.4552625	ppb		98
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	49157	23.9028595	ppb	#	91
69)	N-PROPYLBENZENE	9.560	91	1055180	22.4156561	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	674695	22.4152755	ppb		100
71)	4-CHLOROTOLUENE	9.875	91	612922	22.6755713	ppb		99
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	697369	22.9514153	ppb		100
73)	TERT-BUTYLBENZENE	10.055	119	591010	23.0450421	ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	702431	23.0010716	ppb		100
75)	SEC-BUTYLBENZENE	10.225	105	947447	22.9952575	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	342116	22.2114983	ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	752599	23.4329258	ppb		100
79)	1,4-DICHLOROBENZENE	10.528	146	352913	22.2781396	ppb		89
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	753618	22.6079087	ppb		100
81)	1,2-DICHLOROBENZENE	10.949	146	317329	22.7630848	ppb		99
82)	N-BUTYLBENZENE	10.778	91	760038	23.6212991	ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	24211	25.2778613	ppb		98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	199345	23.1867192	ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	121849	22.5075962	ppb		99
86)	NAPHTHALENE	12.791	128	495781	22.9370125	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	181545	22.8000669	ppb		99
88)	1-METHYLNAPHTHALENE	13.904	142	232026	21.2802983	ppb		99
91)	ETHANOL	3.123	45	423	No Calib		#	
92)	BROMOETHANE	3.451	108	386	No Calib		#	
93)	METHYL ACETATE	3.830	43	10056	No Calib		#	
94)	ACETONITRILE	4.068	41	505	No Calib		#	
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	3.907	59	1249	No Calib		#	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

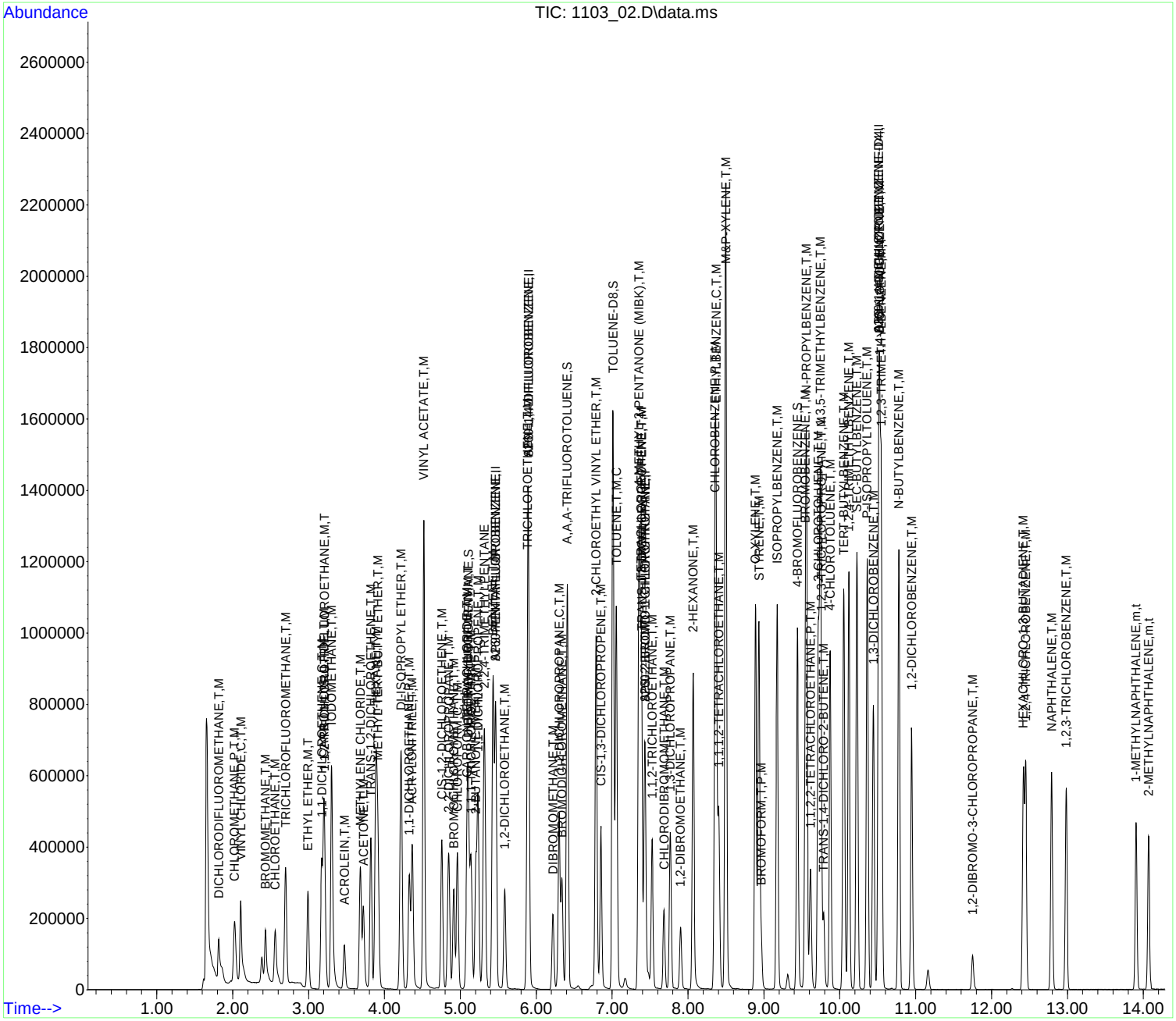
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	329528	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1752	No Calib	#
99)	PROPIONITRILE	5.316	54	1932	No Calib	#
100)	ETHYL ACETATE	5.052	43	2180	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1252	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.232	59	972	No Calib	#
104)	ISOBUTANOL	5.463	43	1240	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	12780	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	12598	No Calib	#
110)	2-NITROPROPANE	7.354	43	922494	No Calib	
111)	METHYL METHACRYLATE	6.528	41	1131	No Calib	#
112)	1,4-DIOXANE	6.409	88	5616	No Calib	#
113)	N-OCTANE	6.856	85	3221	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	303	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6457	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5551	No Calib	
118)	CYCLOHEXANONE	9.791	55	1424	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	23967	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8695	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	478193	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.898	114	875333	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	144637	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	365036	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	478193	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.898	114	875333	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.434	79	144637	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.515	152	365036	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.107	111	242887	41.0977822	ppb	0.00
	Spiked Amount 40.000	Range 79 - 125		Recovery = 102.74%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	453655	40.6415202	ppb	0.00
	Spiked Amount 40.000	Range 84 - 114		Recovery = 101.60%			
46)	TOLUENE-D8	7.013	98	1092862	40.7071343	ppb	0.00
	Spiked Amount 40.000	Range 87 - 114		Recovery = 101.77%			
	Spiked Amount 40.000	Range 75 - 128		Recovery = 100.02%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	5599379	No Calib		
3)	DICHLORODIFLUOROMETHANE	1.817	85	171039	20.8462982	ppb	99
4)	CHLOROMETHANE	2.023	50	223021	19.8656036	ppb	99
5)	VINYL CHLORIDE	2.107	62	246514	20.8089937	ppb	98
6)	BROMOMETHANE	2.431	94	103765	16.1411305	ppb	99
7)	CHLOROETHANE	2.560	64	173999	24.1455799	ppb	95
8)	TRICHLOROFLUOROMETHANE	2.698	101	283062	21.1718377	ppb	99
9)	ETHYL ETHER	2.991	59	154692	21.4353499	ppb	99
10)	ACROLEIN	3.473	56	111227	130.5077537	ppb	99
11)	1,1-DICHLOROETHENE	3.174	96	128801	21.8834591	ppb	99
12)	1,1,2-TRICHLOROTRIFLUO...	3.209	101	141113	22.2712202	ppb	99
13)	ACETONE	3.724	43	279355	118.5887265	ppb	98
14)	IODOMETHANE	3.303	142	812478	108.3615198	ppb	99
15)	CARBON DISULFIDE	3.203	76	362983	22.2159574	ppb	99
16)	METHYLENE CHLORIDE	3.682	84	160531	21.7757987	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	329528	122.8743377	ppb		100
18) n-HEXANE	3.888	56	162308	20.5815737	ppb		98
19) TRANS-1,2-DICHLOROETHENE	3.820	96	158292	22.4148596	ppb		98
20) METHYL TERT-BUTYL ETHER	3.910	73	432037	23.7355633	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	320243	22.8407269	ppb		100
22) VINYL ACETATE	4.518	43	1869987	128.2798515	ppb		99
23) DI-ISOPROPYL ETHER	4.219	45	613153	23.7630709	ppb		99
24) 2,2-DICHLOROPROPANE	4.846	77	236069	23.8931591	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.756	96	177197	22.7549774	ppb		99
26) 2-BUTANONE (MEK)	5.203	72	115096	123.7747610	ppb		99
27) BROMOCHLOROMETHANE	4.914	130	89086	23.0813150	ppb		97
28) TETRAHYDROFURAN	5.100	42	55104	23.9519477	ppb		97
29) CHLOROFORM	4.962	83	292911	23.2358014	ppb		98
31) 1,1,1-TRICHLOROETHANE	5.139	97	237219	23.0689866	ppb		98
32) CARBON TETRACHLORIDE	5.087	117	187621	21.4341712	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	251703	22.4667494	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.316	57	779475	22.2751025	ppb		99
35) BENZENE	5.431	78	738089	22.2112247	ppb		99
36) 1,2-DICHLOROETHANE	5.586	62	218785	22.5193182	ppb		99
38) TRICHLOROETHENE	5.885	130	166854	22.7321489	ppb	#	52
39) 1,2-DICHLOROPROPANE	6.303	62	137927	23.3100603	ppb		99
40) DIBROMOMETHANE	6.219	93	88579	23.1774139	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	201785	23.9676490	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	435595	133.6211216	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	261333	24.2688118	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	357337	125.8644754	ppb		98
47) TOLUENE	7.055	91	777183	21.7170201	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	54663	23.9447772	ppb		96
50) 1,1,2-TRICHLOROETHANE	7.528	97	138483	22.6974874	ppb		99
51) TETRACHLOROETHENE	7.380	164	125980	21.3349078	ppb		99
52) 1,3-DICHLOROPROPANE	7.766	76	270918	22.3211305	ppb		99
53) 2-HEXANONE	8.068	58	348032	131.2281176	ppb		99
54) CHLORODIBROMOMETHANE	7.685	129	122228	24.1675637	ppb		99
55) 1,2-DIBROMOETHANE	7.901	107	129219	23.5427710	ppb		99
56) CHLOROBENZENE	8.354	112	475980	22.2737617	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	132880	23.5363018	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	269261	22.0841073	ppb		100
59)	M&P-XYLENE	8.499	106	659046	44.4620747	ppb		99
60)	O-XYLENE	8.888	106	311101	22.8163285	ppb		100
61)	STYRENE	8.936	104	528838	23.8812387	ppb		99
62)	BROMOFORM	8.965	173	65524	22.5399153	ppb		98
63)	ISOPROPYLBENZENE	9.174	105	778894	23.2039120	ppb		100
65)	BROMOBENZENE	9.547	77	379642	21.8451946	ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	193052	23.9234994	ppb		97
67)	1,2,3-TRICHLOROPROPANE	9.756	110	55557	23.4552625	ppb		98
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	49157	23.9028595	ppb	#	91
69)	N-PROPYLBENZENE	9.560	91	1055180	22.4156561	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	674695	22.4152755	ppb		100
71)	4-CHLOROTOLUENE	9.875	91	612922	22.6755713	ppb		99
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	697369	22.9514153	ppb		100
73)	TERT-BUTYLBENZENE	10.055	119	591010	23.0450421	ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	702431	23.0010716	ppb		100
75)	SEC-BUTYLBENZENE	10.225	105	947447	22.9952575	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	342116	22.2114983	ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	752599	23.4329258	ppb		100
79)	1,4-DICHLOROBENZENE	10.528	146	352913	22.2781396	ppb		89
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	753618	22.6079087	ppb		100
81)	1,2-DICHLOROBENZENE	10.949	146	317329	22.7630848	ppb		99
82)	N-BUTYLBENZENE	10.778	91	760038	23.6212991	ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	24211	25.2778613	ppb		98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	199345	23.1867192	ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	121849	22.5075962	ppb		99
86)	NAPHTHALENE	12.791	128	495781	22.9370125	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	181545	22.8000669	ppb		99
88)	1-METHYLNAPHTHALENE	13.904	142	232026	21.2802983	ppb		99
91)	ETHANOL	3.123	45	423	No Calib		#	
92)	BROMOETHANE	3.451	108	386	No Calib		#	
93)	METHYL ACETATE	3.830	43	10056	No Calib		#	
94)	ACETONITRILE	4.068	41	505	No Calib		#	
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	3.907	59	1249	No Calib		#	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

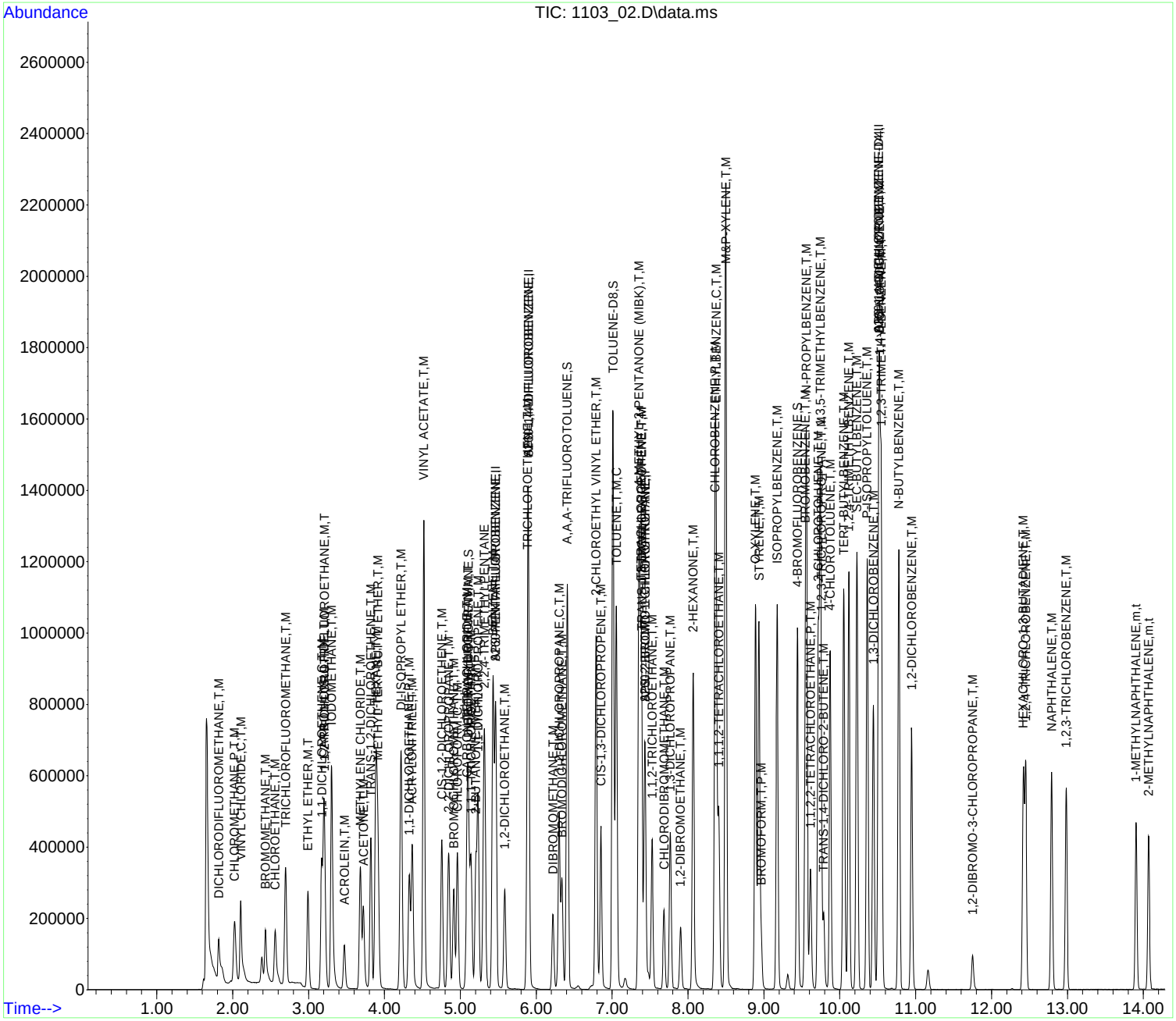
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	329528	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1752	No Calib	#
99)	PROPIONITRILE	5.316	54	1932	No Calib	#
100)	ETHYL ACETATE	5.052	43	2180	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1252	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.232	59	972	No Calib	#
104)	ISOBUTANOL	5.463	43	1240	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	12780	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	12598	No Calib	#
110)	2-NITROPROPANE	7.354	43	922494	No Calib	
111)	METHYL METHACRYLATE	6.528	41	1131	No Calib	#
112)	1,4-DIOXANE	6.409	88	5616	No Calib	#
113)	N-OCTANE	6.856	85	3221	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	303	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6457	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5551	No Calib	
118)	CYCLOHEXANONE	9.791	55	1424	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	23967	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8695	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_02.D
Acq On : 3 Nov 2011 10:21 am
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

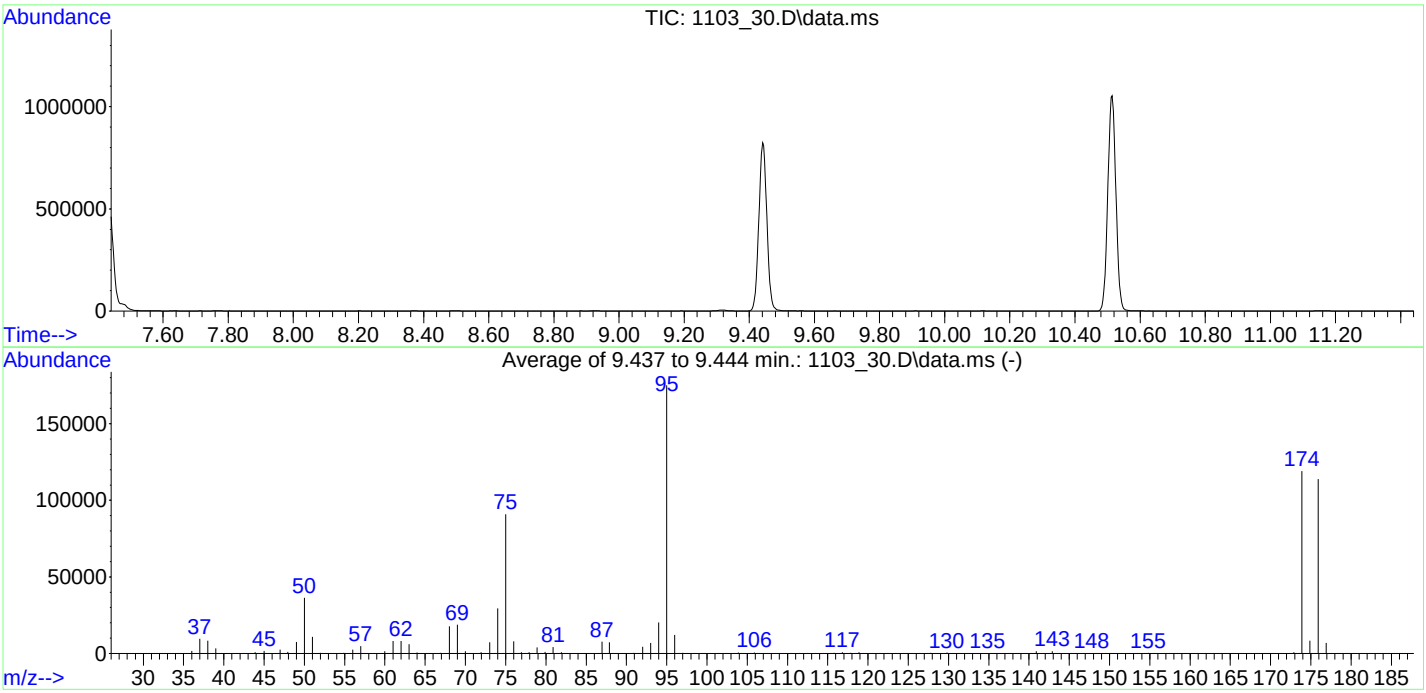
Quant Time: Nov 03 10:04:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Data Path : C:\msdchem\1\data\110311\
Data File : 1103_30.D
Acq On : 3 Nov 2011 9:50 pm
Operator : 209
Sample : INSTBLK VMS
Misc : water ISSURR10G08815
ALS Vial : 30 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V822K02K.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22



AutoFind: Scans 2907, 2908, 2909; Background Corrected with Scan 2892

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	36339	PASS
75	95	30	60	51.9	90859	PASS
95	95	100	100	100.0	175104	PASS
96	95	5	9	6.9	12046	PASS
173	174	0.00	2	0.7	862	PASS
174	95	50	150	68.0	119008	PASS
175	174	5	9	7.1	8405	PASS
176	174	95	101	95.7	113845	PASS
177	176	5	9	6.1	6988	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_31.D
Acq On : 3 Nov 2011 10:12 pm
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 21:35:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	407933	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.898	114	753568	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.431	79	130763	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.511	152	329096	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	408357	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.898	114	753568	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.431	79	130763	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.511	152	329096	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.107	111	211002	41.8518887	ppb	0.00
	Spiked Amount 40.000	Range 79 - 125		Recovery = 104.63%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	392990	40.8956011	ppb	0.00
	Spiked Amount 40.000	Range 84 - 114		Recovery = 102.24%			
46)	TOLUENE-D8	7.010	98	964099	41.7136018	ppb	0.00
	Spiked Amount 40.000	Range 87 - 114		Recovery = 104.28%			
	Spiked Amount 40.000	Range 75 - 128		Recovery = 98.40%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	6838618	No Calib		
3)	DICHLORODIFLUOROMETHANE	1.817	85	183221	26.1772139	ppb	99
4)	CHLOROMETHANE	2.026	50	220975	23.0735025	ppb	100
5)	VINYL CHLORIDE	2.107	62	248723	24.6115979	ppb	97
6)	BROMOMETHANE	2.431	94	119977	21.8773861	ppb	100
7)	CHLOROETHANE	2.560	64	173215	28.1767411	ppb	96
8)	TRICHLOROFLUOROMETHANE	2.698	101	287264	25.1867751	ppb	99
9)	ETHYL ETHER	2.991	59	148879	24.1830203	ppb	99
10)	ACROLEIN	3.473	56	98774	135.8573402	ppb	100
11)	1,1-DICHLOROETHENE	3.171	96	117044	23.3109658	ppb	99
12)	1,1,2-TRICHLOROTRIFLUO...	3.210	101	125284	23.1785878	ppb	99
13)	ACETONE	3.724	43	253610	126.2024267	ppb	100
14)	IODOMETHANE	3.303	142	716038	111.9473773	ppb	100
15)	CARBON DISULFIDE	3.203	76	361941	25.9675458	ppb	99
16)	METHYLENE CHLORIDE	3.682	84	143511	22.8199532	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_31.D
Acq On : 3 Nov 2011 10:12 pm
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 21:35:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	290437	126.9507249	ppb		99
18) n-HEXANE	3.888	56	161739	24.0418444	ppb		99
19) TRANS-1,2-DICHLOROETHENE	3.820	96	143577	23.8328679	ppb		99
20) METHYL TERT-BUTYL ETHER	3.914	73	376305	24.2344387	ppb	#	100
21) 1,1-DICHLOROETHANE	4.328	63	284099	23.7527751	ppb		100
22) VINYL ACETATE	4.518	43	1582398	127.2477060	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	539357	24.5032900	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	199029	23.6137712	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.756	96	156520	23.5615718	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	100264	126.3953997	ppb		96
27) BROMOCHLOROMETHANE	4.914	130	76708	23.2973285	ppb		93
28) TETRAHYDROFURAN	5.100	42	48567	24.7464760	ppb		99
29) CHLOROFORM	4.962	83	259830	24.1615973	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	208901	23.8140873	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	166407	22.2849270	ppb		100
33) 1,1-DICHLOROPROPENE	5.232	75	229069	23.9680413	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.316	57	728238	24.3952478	ppb		99
35) BENZENE	5.431	78	663058	23.3899701	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	199167	24.0308676	ppb		100
38) TRICHLOROETHENE	5.881	130	147765	23.3844038	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.303	62	121286	23.8097937	ppb		99
40) DIBROMOMETHANE	6.219	93	79509	24.1658096	ppb		100
41) BROMODICHLOROMETHANE	6.338	83	181766	25.0784136	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	404588	144.1637524	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	226427	24.4249299	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	323279	132.2676175	ppb		99
47) TOLUENE	7.055	91	708002	22.9806484	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	48039	24.4434301	ppb		98
50) 1,1,2-TRICHLOROETHANE	7.524	97	124307	22.5357199	ppb		98
51) TETRACHLOROETHENE	7.380	164	113979	21.3505240	ppb		99
52) 1,3-DICHLOROPROPANE	7.766	76	244070	22.2426873	ppb		100
53) 2-HEXANONE	8.068	58	308732	128.7608687	ppb		98
54) CHLORODIBROMOMETHANE	7.685	129	106740	23.3444633	ppb		99
55) 1,2-DIBROMOETHANE	7.901	107	115827	23.3418643	ppb		99
56) CHLOROBENZENE	8.354	112	423797	21.9359916	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	116730	22.8694448	ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_31.D
Acq On : 3 Nov 2011 10:12 pm
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 21:35:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	240505	21.8185072	ppb		98
59)	M&P-XYLENE	8.499	106	596866	44.5395029	ppb		99
60)	O-XYLENE	8.888	106	281116	22.8047044	ppb		99
61)	STYRENE	8.933	104	483135	24.1322172	ppb		100
62)	BROMOFORM	8.962	173	56571	21.5468302	ppb		99
63)	ISOPROPYLBENZENE	9.174	105	699388	23.0460000	ppb		100
65)	BROMOBENZENE	9.547	77	344087	21.9000174	ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	169780	23.2718795	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.753	110	50886	23.7626217	ppb		100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	45214	24.3182292	ppb	#	95
69)	N-PROPYLBENZENE	9.560	91	956678	22.4794261	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	611473	22.4702759	ppb		100
71)	4-CHLOROTOLUENE	9.872	91	553834	22.6635099	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	632471	23.0240639	ppb		99
73)	TERT-BUTYLBENZENE	10.052	119	528148	22.7789051	ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	636276	23.0454117	ppb		99
75)	SEC-BUTYLBENZENE	10.225	105	856684	22.9984484	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	305143	21.9130289	ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	676134	23.2857475	ppb		100
79)	1,4-DICHLOROBENZENE	10.528	146	308593	21.6077939	ppb		85
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	686331	22.8378827	ppb		99
81)	1,2-DICHLOROBENZENE	10.946	146	284864	22.6658502	ppb		100
82)	N-BUTYLBENZENE	10.778	91	681147	23.4813150	ppb		99
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	21544	24.9497979	ppb		99
84)	1,2,4-TRICHLOROBENZENE	12.450	180	172122	22.2066697	ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	107908	22.1092434	ppb		99
86)	NAPHTHALENE	12.791	128	441481	22.6554182	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	162804	22.6793182	ppb		99
88)	1-METHYLNAPHTHALENE	13.904	142	196537	19.9939441	ppb		98
89)	2-METHYLNAPHTHALENE	14.068	142	189914	22.1128590	ppb		98
91)	ETHANOL	3.158	45	171	No Calib		#	
92)	BROMOETHANE	3.418	108	169	No Calib		#	
93)	METHYL ACETATE	3.830	43	9379	No Calib		#	
94)	ACETONITRILE	4.074	41	298	No Calib		#	
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	3.907	59	1029	No Calib		#	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_31.D
Acq On : 3 Nov 2011 10:12 pm
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 21:35:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	290437	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	1584	No Calib	#
99)	PROPIONITRILE	5.316	54	2395	No Calib	
100)	ETHYL ACETATE	5.049	43	1513	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1332	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.232	59	1051	No Calib	#
104)	ISOBUTANOL	5.570	43	152	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	11550	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.898	83	11397	No Calib	#
110)	2-NITROPROPANE	7.354	43	848559	No Calib	
111)	METHYL METHACRYLATE	6.528	41	999	No Calib	#
112)	1,4-DIOXANE	6.406	88	5318	No Calib	#
113)	N-OCTANE	6.852	85	2862	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	256	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6262	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4726	No Calib	
118)	CYCLOHEXANONE	9.785	55	1460	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	21121	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8464	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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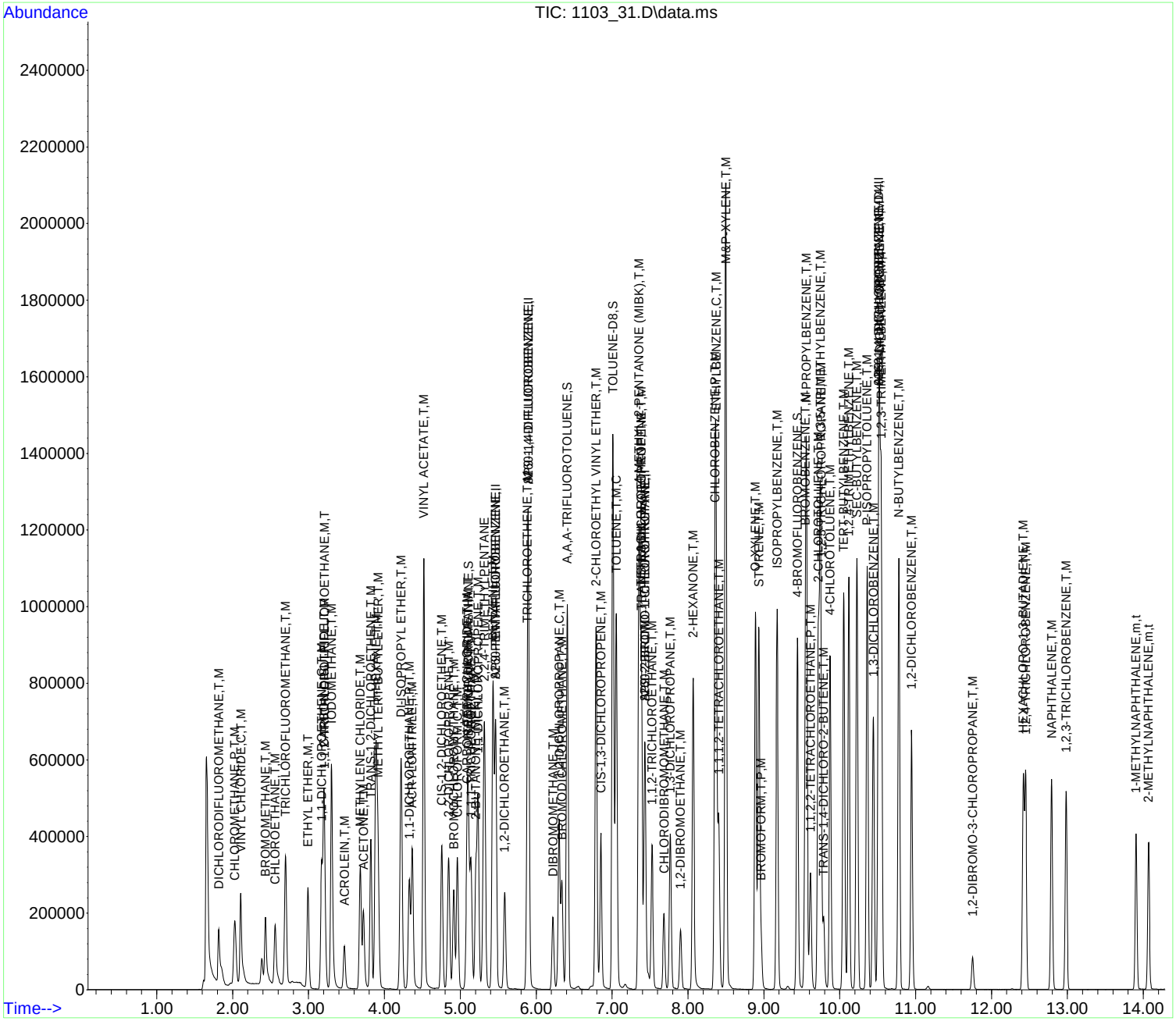
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	407933	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.898	114	753568	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.431	79	130763	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.511	152	329096	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	408357	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.898	114	753568	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.431	79	130763	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.511	152	329096	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.107	111	211002	41.8518887	ppb	0.00
	Spiked Amount 40.000	Range 79 - 125		Recovery = 104.63%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	392990	40.8956011	ppb	0.00
	Spiked Amount 40.000	Range 84 - 114		Recovery = 102.24%			
46)	TOLUENE-D8	7.010	98	964099	41.7136018	ppb	0.00
	Spiked Amount 40.000	Range 87 - 114		Recovery = 104.28%			
	Spiked Amount 40.000	Range 75 - 128		Recovery = 98.40%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	6838618	No Calib		
3)	DICHLORODIFLUOROMETHANE	1.817	85	183221	26.1772139	ppb	99
4)	CHLOROMETHANE	2.026	50	220975	23.0735025	ppb	100
5)	VINYL CHLORIDE	2.107	62	248723	24.6115979	ppb	97
6)	BROMOMETHANE	2.431	94	119977	21.8773861	ppb	100
7)	CHLOROETHANE	2.560	64	173215	28.1767411	ppb	96
8)	TRICHLOROFLUOROMETHANE	2.698	101	287264	25.1867751	ppb	99
9)	ETHYL ETHER	2.991	59	148879	24.1830203	ppb	99
10)	ACROLEIN	3.473	56	98774	135.8573402	ppb	100
11)	1,1-DICHLOROETHENE	3.171	96	117044	23.3109658	ppb	99
12)	1,1,2-TRICHLOROTRIFLUO...	3.210	101	125284	23.1785878	ppb	99
13)	ACETONE	3.724	43	253610	126.2024267	ppb	100
14)	IODOMETHANE	3.303	142	716038	111.9473773	ppb	100
15)	CARBON DISULFIDE	3.203	76	361941	25.9675458	ppb	99
16)	METHYLENE CHLORIDE	3.682	84	143511	22.8199532	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_31.D
Acq On : 3 Nov 2011 10:12 pm
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 21:35:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	290437	126.9507249	ppb		99
18) n-HEXANE	3.888	56	161739	24.0418444	ppb		99
19) TRANS-1,2-DICHLOROETHENE	3.820	96	143577	23.8328679	ppb		99
20) METHYL TERT-BUTYL ETHER	3.914	73	376305	24.2344387	ppb	#	100
21) 1,1-DICHLOROETHANE	4.328	63	284099	23.7527751	ppb		100
22) VINYL ACETATE	4.518	43	1582398	127.2477060	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	539357	24.5032900	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	199029	23.6137712	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.756	96	156520	23.5615718	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	100264	126.3953997	ppb		96
27) BROMOCHLOROMETHANE	4.914	130	76708	23.2973285	ppb		93
28) TETRAHYDROFURAN	5.100	42	48567	24.7464760	ppb		99
29) CHLOROFORM	4.962	83	259830	24.1615973	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	208901	23.8140873	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	166407	22.2849270	ppb		100
33) 1,1-DICHLOROPROPENE	5.232	75	229069	23.9680413	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.316	57	728238	24.3952478	ppb		99
35) BENZENE	5.431	78	663058	23.3899701	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	199167	24.0308676	ppb		100
38) TRICHLOROETHENE	5.881	130	147765	23.3844038	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.303	62	121286	23.8097937	ppb		99
40) DIBROMOMETHANE	6.219	93	79509	24.1658096	ppb		100
41) BROMODICHLOROMETHANE	6.338	83	181766	25.0784136	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	404588	144.1637524	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	226427	24.4249299	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	323279	132.2676175	ppb		99
47) TOLUENE	7.055	91	708002	22.9806484	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	48039	24.4434301	ppb		98
50) 1,1,2-TRICHLOROETHANE	7.524	97	124307	22.5357199	ppb		98
51) TETRACHLOROETHENE	7.380	164	113979	21.3505240	ppb		99
52) 1,3-DICHLOROPROPANE	7.766	76	244070	22.2426873	ppb		100
53) 2-HEXANONE	8.068	58	308732	128.7608687	ppb		98
54) CHLORODIBROMOMETHANE	7.685	129	106740	23.3444633	ppb		99
55) 1,2-DIBROMOETHANE	7.901	107	115827	23.3418643	ppb		99
56) CHLOROBENZENE	8.354	112	423797	21.9359916	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	116730	22.8694448	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_31.D
Acq On : 3 Nov 2011 10:12 pm
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 21:35:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	240505	21.8185072	ppb		98
59)	M&P-XYLENE	8.499	106	596866	44.5395029	ppb		99
60)	O-XYLENE	8.888	106	281116	22.8047044	ppb		99
61)	STYRENE	8.933	104	483135	24.1322172	ppb		100
62)	BROMOFORM	8.962	173	56571	21.5468302	ppb		99
63)	ISOPROPYLBENZENE	9.174	105	699388	23.0460000	ppb		100
65)	BROMOBENZENE	9.547	77	344087	21.9000174	ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	169780	23.2718795	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.753	110	50886	23.7626217	ppb		100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	45214	24.3182292	ppb	#	95
69)	N-PROPYLBENZENE	9.560	91	956678	22.4794261	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	611473	22.4702759	ppb		100
71)	4-CHLOROTOLUENE	9.872	91	553834	22.6635099	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	632471	23.0240639	ppb		99
73)	TERT-BUTYLBENZENE	10.052	119	528148	22.7789051	ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	636276	23.0454117	ppb		99
75)	SEC-BUTYLBENZENE	10.225	105	856684	22.9984484	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	305143	21.9130289	ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	676134	23.2857475	ppb		100
79)	1,4-DICHLOROBENZENE	10.528	146	308593	21.6077939	ppb		85
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	686331	22.8378827	ppb		99
81)	1,2-DICHLOROBENZENE	10.946	146	284864	22.6658502	ppb		100
82)	N-BUTYLBENZENE	10.778	91	681147	23.4813150	ppb		99
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	21544	24.9497979	ppb		99
84)	1,2,4-TRICHLOROBENZENE	12.450	180	172122	22.2066697	ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	107908	22.1092434	ppb		99
86)	NAPHTHALENE	12.791	128	441481	22.6554182	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	162804	22.6793182	ppb		99
88)	1-METHYLNAPHTHALENE	13.904	142	196537	19.9939441	ppb		98
89)	2-METHYLNAPHTHALENE	14.068	142	189914	22.1128590	ppb		98
91)	ETHANOL	3.158	45	171	No Calib		#	
92)	BROMOETHANE	3.418	108	169	No Calib		#	
93)	METHYL ACETATE	3.830	43	9379	No Calib		#	
94)	ACETONITRILE	4.074	41	298	No Calib		#	
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	3.907	59	1029	No Calib		#	

Quantitation Report (QT Reviewed)

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Misc : water ISSURR10G08815
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 21:35:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

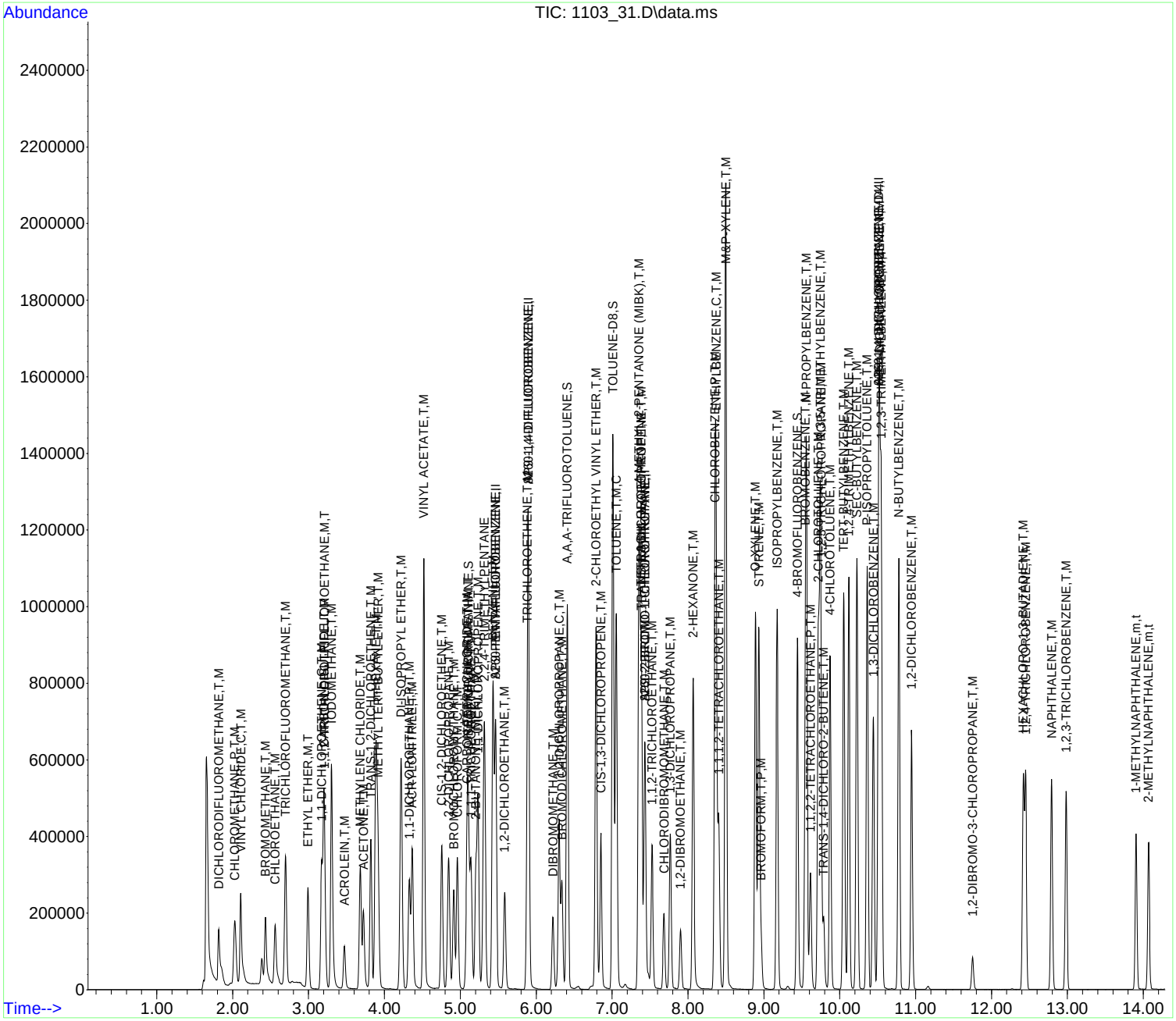
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	290437	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	1584	No Calib	#
99)	PROPIONITRILE	5.316	54	2395	No Calib	
100)	ETHYL ACETATE	5.049	43	1513	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1332	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.232	59	1051	No Calib	#
104)	ISOBUTANOL	5.570	43	152	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	11550	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.898	83	11397	No Calib	#
110)	2-NITROPROPANE	7.354	43	848559	No Calib	
111)	METHYL METHACRYLATE	6.528	41	999	No Calib	#
112)	1,4-DIOXANE	6.406	88	5318	No Calib	#
113)	N-OCTANE	6.852	85	2862	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	256	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6262	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4726	No Calib	
118)	CYCLOHEXANONE	9.785	55	1460	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	21121	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8464	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_31.D
Acq On : 3 Nov 2011 10:12 pm
Operator : 209
Sample : ICV VMS 25 PPB 11J21182
Misc : water ISSURR10G08815
ALS Vial : 31 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 21:35:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_32.D
Acq On : 3 Nov 2011 10:52 pm
Operator : 209
Sample : LCS 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 32 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:07 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	435341	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	798950	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	134182	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	339723	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	435434	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	798950	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	134182	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	339723	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	223021	41.4508574	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 103.63%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	422117	41.4315123	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.58%			
46) TOLUENE-D8	7.010	98	1018217	41.5527000	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.88%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.85%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	4922166	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	179425	24.0209620	ppb	99
4) CHLOROMETHANE	2.029	50	232289	22.7278469	ppb	100
5) VINYL CHLORIDE	2.107	62	253756	23.5287824	ppb	97
6) BROMOMETHANE	2.431	94	124366	21.2499723	ppb	100
7) CHLOROETHANE	2.560	64	168471	25.6796846	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	292141	24.0017629	ppb	100
9) ETHYL ETHER	2.991	59	154253	23.4784805	ppb	99
10) ACROLEIN	3.473	56	7003	9.0257617	ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	116032	21.6544999	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	120626	20.9118068	ppb	99
13) ACETONE	3.724	43	229519	107.0235231	ppb	100
14) IODOMETHANE	3.303	142	710880	104.1437993	ppb	99
15) CARBON DISULFIDE	3.200	76	349033	23.4649095	ppb	99
16) METHYLENE CHLORIDE	3.679	84	146620	21.8465087	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_32.D
Acq On : 3 Nov 2011 10:52 pm
Operator : 209
Sample : LCS 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 32 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:07 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	273870	112.1726483	ppb		99
18)	n-HEXANE	3.888	56	138730	19.3233617	ppb		95
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	138604	21.5588934	ppb		98
20)	METHYL TERT-BUTYL ETHER	3.910	73	391022	23.5968177	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	289660	22.6930279	ppb		100
22)	VINYL ACETATE	4.518	43	1569623	118.2738840	ppb		100
23)	DI-ISOPROPYL ETHER	4.216	45	552411	23.5163366	ppb		100
24)	2,2-DICHLOROPROPANE	4.846	77	211111	23.4703260	ppb		100
25)	CIS-1,2-DICHLOROETHENE	4.753	96	159814	22.5428338	ppb		99
26)	2-BUTANONE (MEK)	5.203	72	92994	109.8500954	ppb		96
27)	BROMOCHLOROMETHANE	4.913	130	78098	22.2261707	ppb		95
28)	TETRAHYDROFURAN	5.100	42	47420	22.6408592	ppb		93
29)	CHLOROFORM	4.962	83	266337	23.2074339	ppb		99
31)	1,1,1-TRICHLOROETHANE	5.139	97	213537	22.8100285	ppb		100
32)	CARBON TETRACHLORIDE	5.087	117	169462	21.2652857	ppb		98
33)	1,1-DICHLOROPROPENE	5.232	75	229503	22.5016238	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	686185	21.5393397	ppb		100
35)	BENZENE	5.431	78	690366	22.8200615	ppb		100
36)	1,2-DICHLOROETHANE	5.582	62	197620	22.3430385	ppb		99
38)	TRICHLOROETHENE	5.881	130	147867	22.0713466	ppb	#	100
39)	1,2-DICHLOROPROPANE	6.302	62	122244	22.6347321	ppb		99
40)	DIBROMOMETHANE	6.219	93	77755	22.2903162	ppb		99
41)	BROMODICHLOROMETHANE	6.338	83	172762	22.4821831	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	381410	128.1852347	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	224519	22.8434166	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	309275	119.3503506	ppb		100
47)	TOLUENE	7.055	91	724660	22.1852808	ppb		98
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	45924	22.0399572	ppb		99
50)	1,1,2-TRICHLOROETHANE	7.524	97	122988	21.7284729	ppb		98
51)	TETRACHLOROETHENE	7.380	164	114384	20.8804373	ppb		99
52)	1,3-DICHLOROPROPANE	7.765	76	243359	21.6127924	ppb		99
53)	2-HEXANONE	8.068	58	286866	116.5928569	ppb		98
54)	CHLORODIBROMOMETHANE	7.685	129	103080	21.9695783	ppb		99
55)	1,2-DIBROMOETHANE	7.901	107	112001	21.9957233	ppb		97
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	118994	22.7189792	ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_32.D
Acq On : 3 Nov 2011 10:52 pm
Operator : 209
Sample : LCS 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 32 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:07 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	246273	21.7725021 ppb	99
59)	M&P-XYLENE	8.499	106	604972	43.9940976 ppb	100
60)	O-XYLENE	8.891	106	281458	22.2506701 ppb	99
61)	STYRENE	8.936	104	330286	16.0771663 ppb	99
62)	BROMOFORM	8.965	173	54804	20.3692270 ppb	98
63)	ISOPROPYLBENZENE	9.174	105	769572	24.7125326 ppb	100
65)	BROMOBENZENE	9.547	77	347638	21.5622488 ppb	99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	159679	21.3296314 ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.756	110	48165	21.9188730 ppb	95
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	43767	22.9401583 ppb	98
69)	N-PROPYLBENZENE	9.560	91	967304	22.1499644 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	604946	21.6639849 ppb	99
71)	4-CHLOROTOLUENE	9.871	91	548754	21.8834540 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	623892	22.1330567 ppb	100
73)	TERT-BUTYLBENZENE	10.052	119	533941	22.4419759 ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	616893	21.7740585 ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	851273	22.2708788 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	301336	21.0882545 ppb	99
77)	P-ISOPROPYLTOLUENE	10.363	119	675753	22.6796322 ppb	100
79)	1,4-DICHLOROBENZENE	10.531	146	316688	21.4809567 ppb	85
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	638929	20.5955064 ppb	100
81)	1,2-DICHLOROBENZENE	10.949	146	276927	21.3450610 ppb	100
82)	N-BUTYLBENZENE	10.778	91	669245	22.3493221 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	19011	21.3276648 ppb	98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	176160	22.0166888 ppb	98
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	101661	20.1777283 ppb	99
86)	NAPHTHALENE	12.791	128	408789	20.3215542 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	157778	21.2916355 ppb	100
88)	1-METHYLNAPHTHALENE	13.903	142	197306	19.4442903 ppb	100
89)	2-METHYLNAPHTHALENE	14.071	142	189673	21.3939553 ppb	99
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	3.447	108	714	No Calib #	
93)	METHYL ACETATE	3.827	43	11375	No Calib #	
94)	ACETONITRILE	4.100	41	497	No Calib #	
95)	ALLYL CHLORIDE	3.370	76	619	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.910	59	1261	No Calib #	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_32.D
Acq On : 3 Nov 2011 10:52 pm
Operator : 209
Sample : LCS 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 32 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:07 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	273870	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.325	59	1584	No Calib	#
99)	PROPIONITRILE	5.312	54	2021	No Calib	
100)	ETHYL ACETATE	5.055	43	1768	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1576	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.232	59	1006	No Calib	#
104)	ISOBUTANOL	5.585	43	420	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	11797	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11922	No Calib	#
110)	2-NITROPROPANE	7.354	43	810224	No Calib	
111)	METHYL METHACRYLATE	6.528	41	1658	No Calib	#
112)	1,4-DIOXANE	6.409	88	5560	No Calib	#
113)	N-OCTANE	6.852	85	2797	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	319	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6192	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5018	No Calib	
118)	CYCLOHEXANONE	9.788	55	1210	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	20865	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8412	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_32.D
Acq On : 3 Nov 2011 10:52 pm
Operator : 209
Sample : LCS 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
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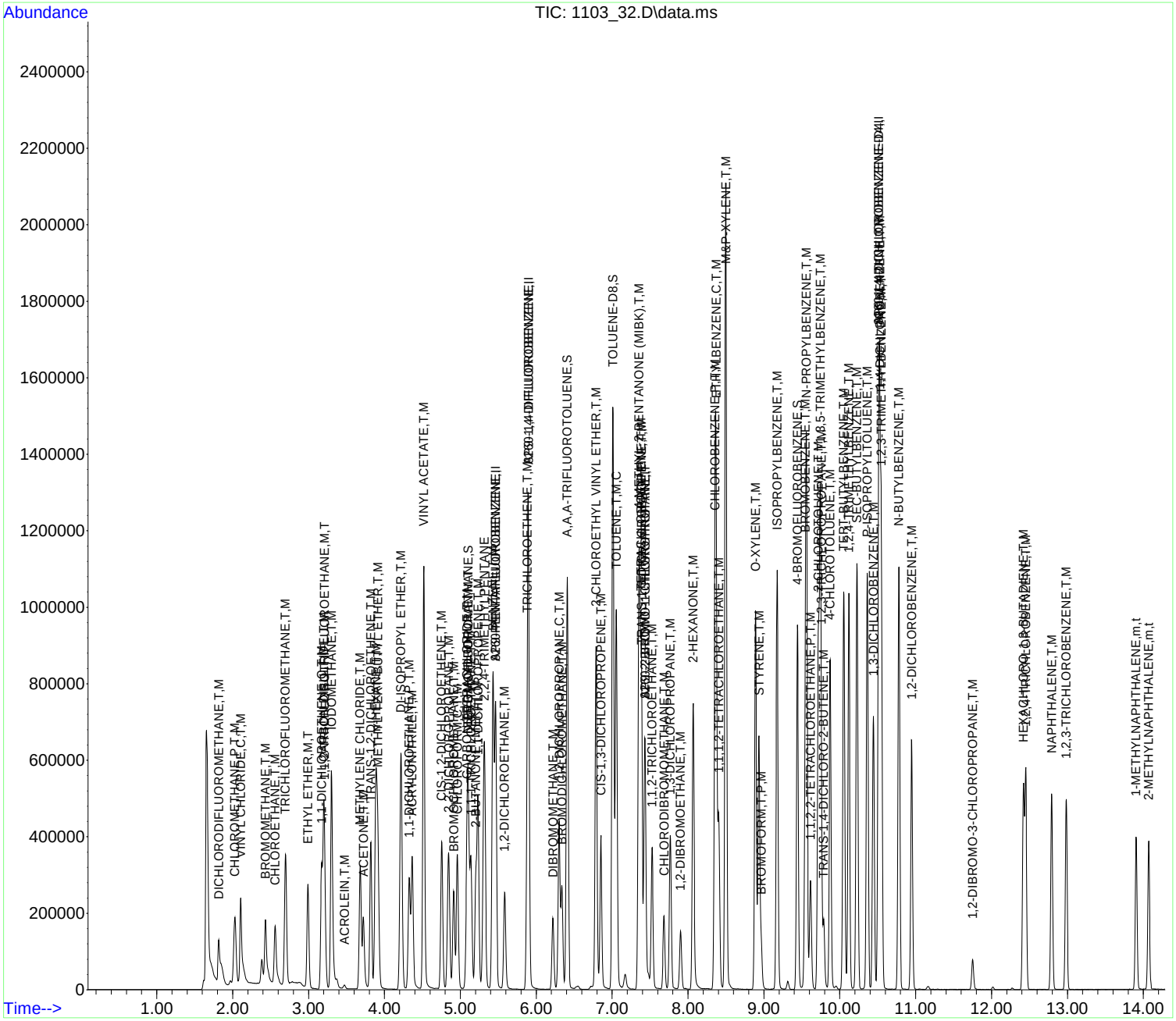
Quant Time: Nov 03 22:27:07 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_32.D
Acq On : 3 Nov 2011 10:52 pm
Operator : 209
Sample : LCS 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 32 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:07 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	435341	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	798950	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	134182	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	339723	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	435434	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	798950	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	134182	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	339723	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	223021	41.4508574	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 103.63%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	422117	41.4315123	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.58%			
46) TOLUENE-D8	7.010	98	1018217	41.5527000	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.88%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.85%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	4922166	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	179425	24.0209620	ppb	99
4) CHLOROMETHANE	2.029	50	232289	22.7278469	ppb	100
5) VINYL CHLORIDE	2.107	62	253756	23.5287824	ppb	97
6) BROMOMETHANE	2.431	94	124366	21.2499723	ppb	100
7) CHLOROETHANE	2.560	64	168471	25.6796846	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	292141	24.0017629	ppb	100
9) ETHYL ETHER	2.991	59	154253	23.4784805	ppb	99
10) ACROLEIN	3.473	56	7003	9.0257617	ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	116032	21.6544999	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	120626	20.9118068	ppb	99
13) ACETONE	3.724	43	229519	107.0235231	ppb	100
14) IODOMETHANE	3.303	142	710880	104.1437993	ppb	99
15) CARBON DISULFIDE	3.200	76	349033	23.4649095	ppb	99
16) METHYLENE CHLORIDE	3.679	84	146620	21.8465087	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_32.D
Acq On : 3 Nov 2011 10:52 pm
Operator : 209
Sample : LCS 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 32 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:07 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	273870	112.1726483	ppb		99
18)	n-HEXANE	3.888	56	138730	19.3233617	ppb		95
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	138604	21.5588934	ppb		98
20)	METHYL TERT-BUTYL ETHER	3.910	73	391022	23.5968177	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	289660	22.6930279	ppb		100
22)	VINYL ACETATE	4.518	43	1569623	118.2738840	ppb		100
23)	DI-ISOPROPYL ETHER	4.216	45	552411	23.5163366	ppb		100
24)	2,2-DICHLOROPROPANE	4.846	77	211111	23.4703260	ppb		100
25)	CIS-1,2-DICHLOROETHENE	4.753	96	159814	22.5428338	ppb		99
26)	2-BUTANONE (MEK)	5.203	72	92994	109.8500954	ppb		96
27)	BROMOCHLOROMETHANE	4.913	130	78098	22.2261707	ppb		95
28)	TETRAHYDROFURAN	5.100	42	47420	22.6408592	ppb		93
29)	CHLOROFORM	4.962	83	266337	23.2074339	ppb		99
31)	1,1,1-TRICHLOROETHANE	5.139	97	213537	22.8100285	ppb		100
32)	CARBON TETRACHLORIDE	5.087	117	169462	21.2652857	ppb		98
33)	1,1-DICHLOROPROPENE	5.232	75	229503	22.5016238	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	686185	21.5393397	ppb		100
35)	BENZENE	5.431	78	690366	22.8200615	ppb		100
36)	1,2-DICHLOROETHANE	5.582	62	197620	22.3430385	ppb		99
38)	TRICHLOROETHENE	5.881	130	147867	22.0713466	ppb	#	100
39)	1,2-DICHLOROPROPANE	6.302	62	122244	22.6347321	ppb		99
40)	DIBROMOMETHANE	6.219	93	77755	22.2903162	ppb		99
41)	BROMODICHLOROMETHANE	6.338	83	172762	22.4821831	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	381410	128.1852347	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	224519	22.8434166	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	309275	119.3503506	ppb		100
47)	TOLUENE	7.055	91	724660	22.1852808	ppb		98
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	45924	22.0399572	ppb		99
50)	1,1,2-TRICHLOROETHANE	7.524	97	122988	21.7284729	ppb		98
51)	TETRACHLOROETHENE	7.380	164	114384	20.8804373	ppb		99
52)	1,3-DICHLOROPROPANE	7.765	76	243359	21.6127924	ppb		99
53)	2-HEXANONE	8.068	58	286866	116.5928569	ppb		98
54)	CHLORODIBROMOMETHANE	7.685	129	103080	21.9695783	ppb		99
55)	1,2-DIBROMOETHANE	7.901	107	112001	21.9957233	ppb		97
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	118994	22.7189792	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_32.D
Acq On : 3 Nov 2011 10:52 pm
Operator : 209
Sample : LCS 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 32 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:07 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	8.370	106	246273	21.7725021 ppb	99
59) M&P-XYLENE	8.499	106	604972	43.9940976 ppb	100
60) O-XYLENE	8.891	106	281458	22.2506701 ppb	99
61) STYRENE	8.936	104	330286	16.0771663 ppb	99
62) BROMOFORM	8.965	173	54804	20.3692270 ppb	98
63) ISOPROPYLBENZENE	9.174	105	769572	24.7125326 ppb	100
65) BROMOBENZENE	9.547	77	347638	21.5622488 ppb	99
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	159679	21.3296314 ppb	99
67) 1,2,3-TRICHLOROPROPANE	9.756	110	48165	21.9188730 ppb	95
68) TRANS-1,4-DICHLORO-2-B...	9.788	53	43767	22.9401583 ppb	98
69) N-PROPYLBENZENE	9.560	91	967304	22.1499644 ppb	100
70) 2-CHLOROTOLUENE	9.717	91	604946	21.6639849 ppb	99
71) 4-CHLOROTOLUENE	9.871	91	548754	21.8834540 ppb	100
72) 1,3,5-TRIMETHYLBENZENE	9.743	105	623892	22.1330567 ppb	100
73) TERT-BUTYLBENZENE	10.052	119	533941	22.4419759 ppb	100
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	616893	21.7740585 ppb	99
75) SEC-BUTYLBENZENE	10.225	105	851273	22.2708788 ppb	100
76) 1,3-DICHLOROBENZENE	10.444	146	301336	21.0882545 ppb	99
77) P-ISOPROPYLTOLUENE	10.363	119	675753	22.6796322 ppb	100
79) 1,4-DICHLOROBENZENE	10.531	146	316688	21.4809567 ppb	85
80) 1,2,3-TRIMETHYLBENZENE	10.547	105	638929	20.5955064 ppb	100
81) 1,2-DICHLOROBENZENE	10.949	146	276927	21.3450610 ppb	100
82) N-BUTYLBENZENE	10.778	91	669245	22.3493221 ppb	100
83) 1,2-DIBROMO-3-CHLOROPR...	11.749	157	19011	21.3276648 ppb	98
84) 1,2,4-TRICHLOROBENZENE	12.450	180	176160	22.0166888 ppb	98
85) HEXACHLORO-1,3-BUTADIENE	12.421	225	101661	20.1777283 ppb	99
86) NAPHTHALENE	12.791	128	408789	20.3215542 ppb	100
87) 1,2,3-TRICHLOROBENZENE	12.984	180	157778	21.2916355 ppb	100
88) 1-METHYLNAPHTHALENE	13.903	142	197306	19.4442903 ppb	100
89) 2-METHYLNAPHTHALENE	14.071	142	189673	21.3939553 ppb	99
91) ETHANOL	0.000		0	N.D.	
92) BROMOETHANE	3.447	108	714	No Calib #	
93) METHYL ACETATE	3.827	43	11375	No Calib #	
94) ACETONITRILE	4.100	41	497	No Calib #	
95) ALLYL CHLORIDE	3.370	76	619	No Calib #	
96) TERT-BUTYL ALCOHOL	3.910	59	1261	No Calib #	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_32.D
Acq On : 3 Nov 2011 10:52 pm
Operator : 209
Sample : LCS 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 32 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:07 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	273870	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.325	59	1584	No Calib	#
99)	PROPIONITRILE	5.312	54	2021	No Calib	
100)	ETHYL ACETATE	5.055	43	1768	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1576	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.232	59	1006	No Calib	#
104)	ISOBUTANOL	5.585	43	420	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	11797	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11922	No Calib	#
110)	2-NITROPROPANE	7.354	43	810224	No Calib	
111)	METHYL METHACRYLATE	6.528	41	1658	No Calib	#
112)	1,4-DIOXANE	6.409	88	5560	No Calib	#
113)	N-OCTANE	6.852	85	2797	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	319	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6192	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5018	No Calib	
118)	CYCLOHEXANONE	9.788	55	1210	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	20865	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8412	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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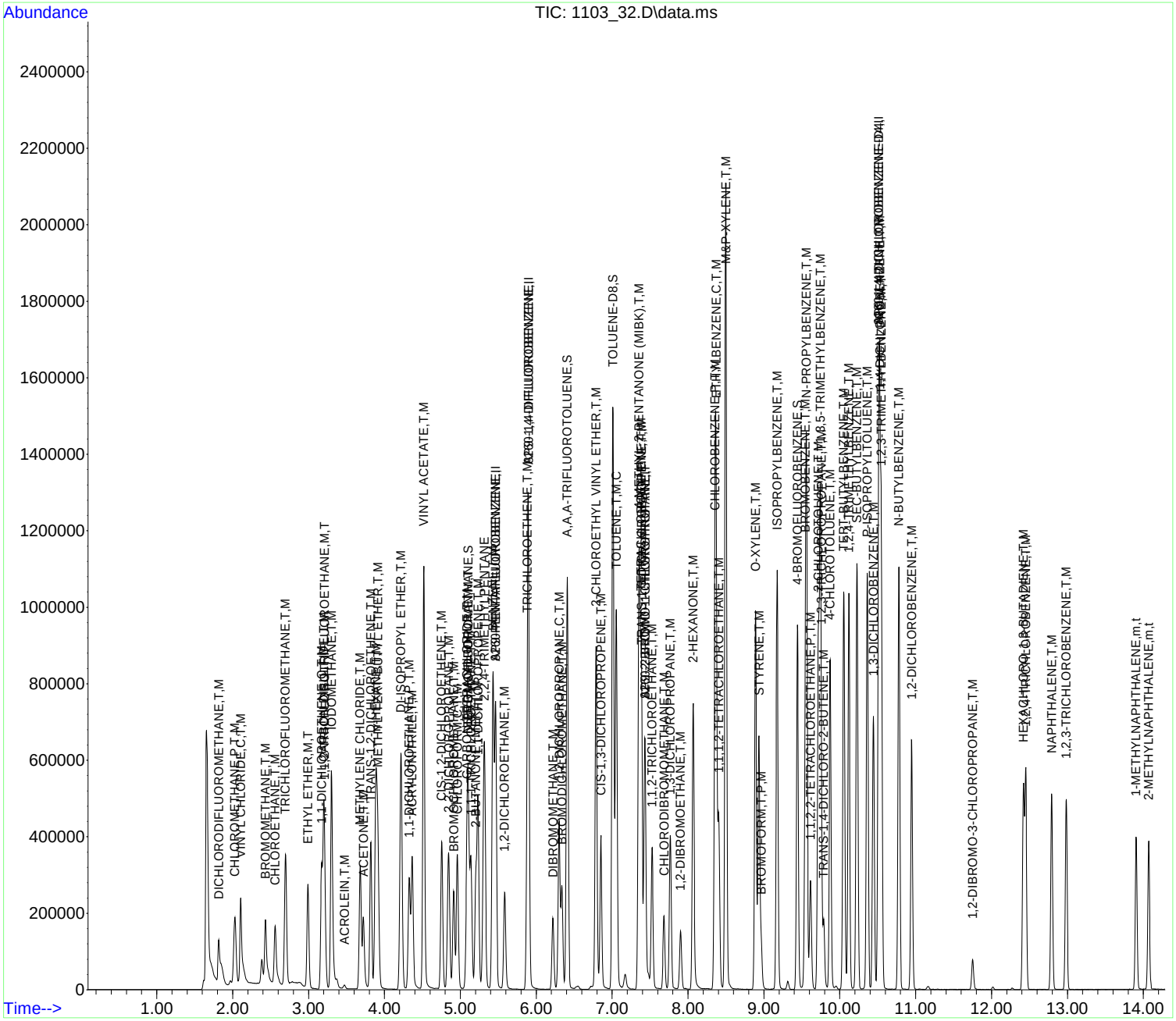
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	427047	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	779491	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	133230	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	332045	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	427145	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	779491	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	133230	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	332045	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	216902	41.0965354	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.74%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	408887	41.1348333	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.84%			
46) TOLUENE-D8	7.010	98	990489	41.4302027	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.58%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 98.13%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	5453704	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	183083	24.9867262	ppb #	80
4) CHLOROMETHANE	2.029	50	232453	23.1856194	ppb	99
5) VINYL CHLORIDE	2.107	62	256253	24.2217762	ppb	97
6) BROMOMETHANE	2.431	94	124395	21.6677353	ppb	99
7) CHLOROETHANE	2.560	64	162560	25.2599285	ppb	100
8) TRICHLOROFLUOROMETHANE	2.695	101	290188	24.3043479	ppb	100
9) ETHYL ETHER	2.991	59	154799	24.0191931	ppb	99
10) ACROLEIN	3.473	56	5487	7.2092252	ppb	99
11) 1,1-DICHLOROETHENE	3.171	96	116413	22.1475533	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	118952	21.0221085	ppb	99
13) ACETONE	3.724	43	226361	107.6009485	ppb	100
14) IODOMETHANE	3.303	142	716996	107.0798488	ppb	100
15) CARBON DISULFIDE	3.200	76	346066	23.7172986	ppb	100
16) METHYLENE CHLORIDE	3.682	84	148839	22.6078605	ppb	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.367	53	281346	117.4727544	ppb		99
18)	n-HEXANE	3.888	56	137785	19.5644720	ppb		94
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	139389	22.1020775	ppb		98
20)	METHYL TERT-BUTYL ETHER	3.910	73	394985	24.2989073	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	292839	23.3876578	ppb		100
22)	VINYL ACETATE	4.518	43	1737559	133.4710142	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	557601	24.1982962	ppb		100
24)	2,2-DICHLOROPROPANE	4.846	77	214662	24.3286116	ppb		99
25)	CIS-1,2-DICHLOROETHENE	4.756	96	162182	23.3211647	ppb		99
26)	2-BUTANONE (MEK)	5.203	72	95459	114.9519348	ppb		96
27)	BROMOCHLOROMETHANE	4.914	130	78602	22.8040626	ppb		96
28)	TETRAHYDROFURAN	5.100	42	50731	24.6921367	ppb		97
29)	CHLOROFORM	4.962	83	267329	23.7462801	ppb		99
31)	1,1,1-TRICHLOROETHANE	5.139	97	215751	23.4941319	ppb		100
32)	CARBON TETRACHLORIDE	5.087	117	170845	21.8552139	ppb		98
33)	1,1-DICHLOROPROPENE	5.232	75	230225	23.0108081	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	694450	22.2221484	ppb		100
35)	BENZENE	5.431	78	690790	23.2775546	ppb		100
36)	1,2-DICHLOROETHANE	5.582	62	199292	22.9696881	ppb		100
38)	TRICHLOROETHENE	5.881	130	146580	22.4254302	ppb	#	52
39)	1,2-DICHLOROPROPANE	6.303	62	122604	23.2681011	ppb		99
40)	DIBROMOMETHANE	6.219	93	77972	22.9105267	ppb		99
41)	BROMODICHLOROMETHANE	6.338	83	175626	23.4254296	ppb		99
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	392670	135.2639750	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	227532	23.7278802	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	316329	125.1198998	ppb		100
47)	TOLUENE	7.055	91	727887	22.8403682	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	46127	22.6900130	ppb		99
50)	1,1,2-TRICHLOROETHANE	7.528	97	123836	22.0346225	ppb		99
51)	TETRACHLOROETHENE	7.380	164	114287	21.0118057	ppb		99
52)	1,3-DICHLOROPROPANE	7.766	76	246703	22.0663313	ppb		99
53)	2-HEXANONE	8.068	58	298153	122.0462059	ppb		99
54)	CHLORODIBROMOMETHANE	7.682	129	104157	22.3577454	ppb		99
55)	1,2-DIBROMOETHANE	7.901	107	114915	22.7292602	ppb		99
56)	CHLOROBENZENE	8.357	112	430051	21.8475229	ppb		99
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	119815	23.0391883	ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	247440	22.0319876 ppb	99
59)	M&P-XYLENE	8.499	106	610788	44.7344260 ppb	100
60)	O-XYLENE	8.888	106	284791	22.6750363 ppb	99
61)	STYRENE	8.933	104	333384	16.3439237 ppb	99
62)	BROMOFORM	8.965	173	54678	20.4652538 ppb	99
63)	ISOPROPYLBENZENE	9.174	105	770744	24.9270212 ppb	100
65)	BROMOBENZENE	9.547	77	350199	21.8763037 ppb	99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	163404	21.9831773 ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.753	110	48364	22.1667029 ppb	99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	43439	22.9309308 ppb	95
69)	N-PROPYLBENZENE	9.560	91	972552	22.4292686 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	611032	22.0382914 ppb	99
71)	4-CHLOROTOLUENE	9.875	91	552631	22.1955365 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	634846	22.6825877 ppb	99
73)	TERT-BUTYLBENZENE	10.052	119	540327	22.8726626 ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	621643	22.0985015 ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	854410	22.5126724 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	306215	21.5828259 ppb	99
77)	P-ISOPROPYLTOLUENE	10.360	119	683060	23.0886803 ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	322989	22.4149487 ppb	89
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	645870	21.3006567 ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	279918	22.0745028 ppb	100
82)	N-BUTYLBENZENE	10.778	91	685573	23.4239930 ppb	99
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	20293	23.2923124 ppb	97
84)	1,2,4-TRICHLOROBENZENE	12.450	180	181661	23.2292083 ppb	99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	105256	21.3743422 ppb	100
86)	NAPHTHALENE	12.791	128	429396	21.8395516 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	163488	22.5723337 ppb	100
88)	1-METHYLNAPHTHALENE	13.904	142	207382	20.9098477 ppb	100
91)	ETHANOL	3.119	45	415	No Calib #	
92)	BROMOETHANE	3.444	108	228	No Calib #	
93)	METHYL ACETATE	3.830	43	11133	No Calib #	
94)	ACETONITRILE	4.087	41	174	No Calib #	
95)	ALLYL CHLORIDE	3.508	76	179	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.904	59	1068	No Calib #	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

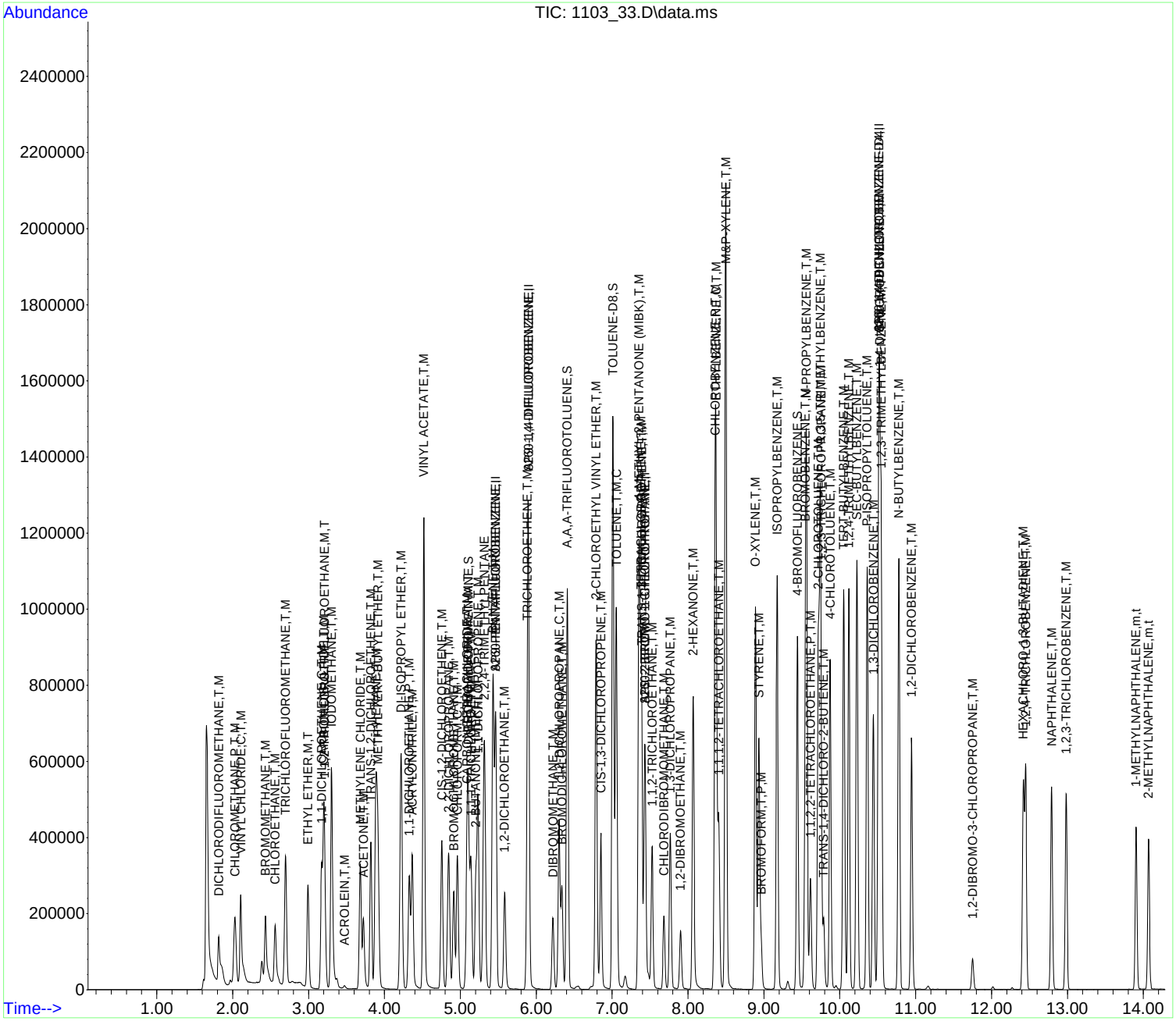
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.367	53	281346	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1684	No Calib	#
99)	PROPIONITRILE	5.319	54	2000	No Calib	
100)	ETHYL ACETATE	5.055	43	1836	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1336	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.235	59	929	No Calib	#
104)	ISOBUTANOL	5.460	43	814	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	11709	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	11329	No Calib	#
110)	2-NITROPROPANE	7.354	43	829225	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1895	No Calib	#
112)	1,4-DIOXANE	6.409	88	5533	No Calib	
113)	N-OCTANE	6.852	85	2906	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	267	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6328	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4837	No Calib	
118)	CYCLOHEXANONE	9.785	55	1303	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	20744	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8521	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	427047	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	779491	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	133230	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	332045	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	427145	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	779491	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	133230	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	332045	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	216902	41.0965354	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.74%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	408887	41.1348333	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.84%			
46) TOLUENE-D8	7.010	98	990489	41.4302027	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.58%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 98.13%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	5453704	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	183083	24.9867262	ppb #	80
4) CHLOROMETHANE	2.029	50	232453	23.1856194	ppb	99
5) VINYL CHLORIDE	2.107	62	256253	24.2217762	ppb	97
6) BROMOMETHANE	2.431	94	124395	21.6677353	ppb	99
7) CHLOROETHANE	2.560	64	162560	25.2599285	ppb	100
8) TRICHLOROFLUOROMETHANE	2.695	101	290188	24.3043479	ppb	100
9) ETHYL ETHER	2.991	59	154799	24.0191931	ppb	99
10) ACROLEIN	3.473	56	5487	7.2092252	ppb	99
11) 1,1-DICHLOROETHENE	3.171	96	116413	22.1475533	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	118952	21.0221085	ppb	99
13) ACETONE	3.724	43	226361	107.6009485	ppb	100
14) IODOMETHANE	3.303	142	716996	107.0798488	ppb	100
15) CARBON DISULFIDE	3.200	76	346066	23.7172986	ppb	100
16) METHYLENE CHLORIDE	3.682	84	148839	22.6078605	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.367	53	281346	117.4727544	ppb		99
18)	n-HEXANE	3.888	56	137785	19.5644720	ppb		94
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	139389	22.1020775	ppb		98
20)	METHYL TERT-BUTYL ETHER	3.910	73	394985	24.2989073	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	292839	23.3876578	ppb		100
22)	VINYL ACETATE	4.518	43	1737559	133.4710142	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	557601	24.1982962	ppb		100
24)	2,2-DICHLOROPROPANE	4.846	77	214662	24.3286116	ppb		99
25)	CIS-1,2-DICHLOROETHENE	4.756	96	162182	23.3211647	ppb		99
26)	2-BUTANONE (MEK)	5.203	72	95459	114.9519348	ppb		96
27)	BROMOCHLOROMETHANE	4.914	130	78602	22.8040626	ppb		96
28)	TETRAHYDROFURAN	5.100	42	50731	24.6921367	ppb		97
29)	CHLOROFORM	4.962	83	267329	23.7462801	ppb		99
31)	1,1,1-TRICHLOROETHANE	5.139	97	215751	23.4941319	ppb		100
32)	CARBON TETRACHLORIDE	5.087	117	170845	21.8552139	ppb		98
33)	1,1-DICHLOROPROPENE	5.232	75	230225	23.0108081	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	694450	22.2221484	ppb		100
35)	BENZENE	5.431	78	690790	23.2775546	ppb		100
36)	1,2-DICHLOROETHANE	5.582	62	199292	22.9696881	ppb		100
38)	TRICHLOROETHENE	5.881	130	146580	22.4254302	ppb	#	52
39)	1,2-DICHLOROPROPANE	6.303	62	122604	23.2681011	ppb		99
40)	DIBROMOMETHANE	6.219	93	77972	22.9105267	ppb		99
41)	BROMODICHLOROMETHANE	6.338	83	175626	23.4254296	ppb		99
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	392670	135.2639750	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	227532	23.7278802	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	316329	125.1198998	ppb		100
47)	TOLUENE	7.055	91	727887	22.8403682	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	46127	22.6900130	ppb		99
50)	1,1,2-TRICHLOROETHANE	7.528	97	123836	22.0346225	ppb		99
51)	TETRACHLOROETHENE	7.380	164	114287	21.0118057	ppb		99
52)	1,3-DICHLOROPROPANE	7.766	76	246703	22.0663313	ppb		99
53)	2-HEXANONE	8.068	58	298153	122.0462059	ppb		99
54)	CHLORODIBROMOMETHANE	7.682	129	104157	22.3577454	ppb		99
55)	1,2-DIBROMOETHANE	7.901	107	114915	22.7292602	ppb		99
56)	CHLOROBENZENE	8.357	112	430051	21.8475229	ppb		99
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	119815	23.0391883	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	247440	22.0319876	ppb	99
59)	M&P-XYLENE	8.499	106	610788	44.7344260	ppb	100
60)	O-XYLENE	8.888	106	284791	22.6750363	ppb	99
61)	STYRENE	8.933	104	333384	16.3439237	ppb	99
62)	BROMOFORM	8.965	173	54678	20.4652538	ppb	99
63)	ISOPROPYLBENZENE	9.174	105	770744	24.9270212	ppb	100
65)	BROMOBENZENE	9.547	77	350199	21.8763037	ppb	99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	163404	21.9831773	ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.753	110	48364	22.1667029	ppb	99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	43439	22.9309308	ppb	95
69)	N-PROPYLBENZENE	9.560	91	972552	22.4292686	ppb	100
70)	2-CHLOROTOLUENE	9.717	91	611032	22.0382914	ppb	99
71)	4-CHLOROTOLUENE	9.875	91	552631	22.1955365	ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	634846	22.6825877	ppb	99
73)	TERT-BUTYLBENZENE	10.052	119	540327	22.8726626	ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	621643	22.0985015	ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	854410	22.5126724	ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	306215	21.5828259	ppb	99
77)	P-ISOPROPYLTOLUENE	10.360	119	683060	23.0886803	ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	322989	22.4149487	ppb	89
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	645870	21.3006567	ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	279918	22.0745028	ppb	100
82)	N-BUTYLBENZENE	10.778	91	685573	23.4239930	ppb	99
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	20293	23.2923124	ppb	97
84)	1,2,4-TRICHLOROBENZENE	12.450	180	181661	23.2292083	ppb	99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	105256	21.3743422	ppb	100
86)	NAPHTHALENE	12.791	128	429396	21.8395516	ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	163488	22.5723337	ppb	100
88)	1-METHYLNAPHTHALENE	13.904	142	207382	20.9098477	ppb	100
91)	ETHANOL	3.119	45	415	No Calib	#	
92)	BROMOETHANE	3.444	108	228	No Calib	#	
93)	METHYL ACETATE	3.830	43	11133	No Calib	#	
94)	ACETONITRILE	4.087	41	174	No Calib	#	
95)	ALLYL CHLORIDE	3.508	76	179	No Calib	#	
96)	TERT-BUTYL ALCOHOL	3.904	59	1068	No Calib	#	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

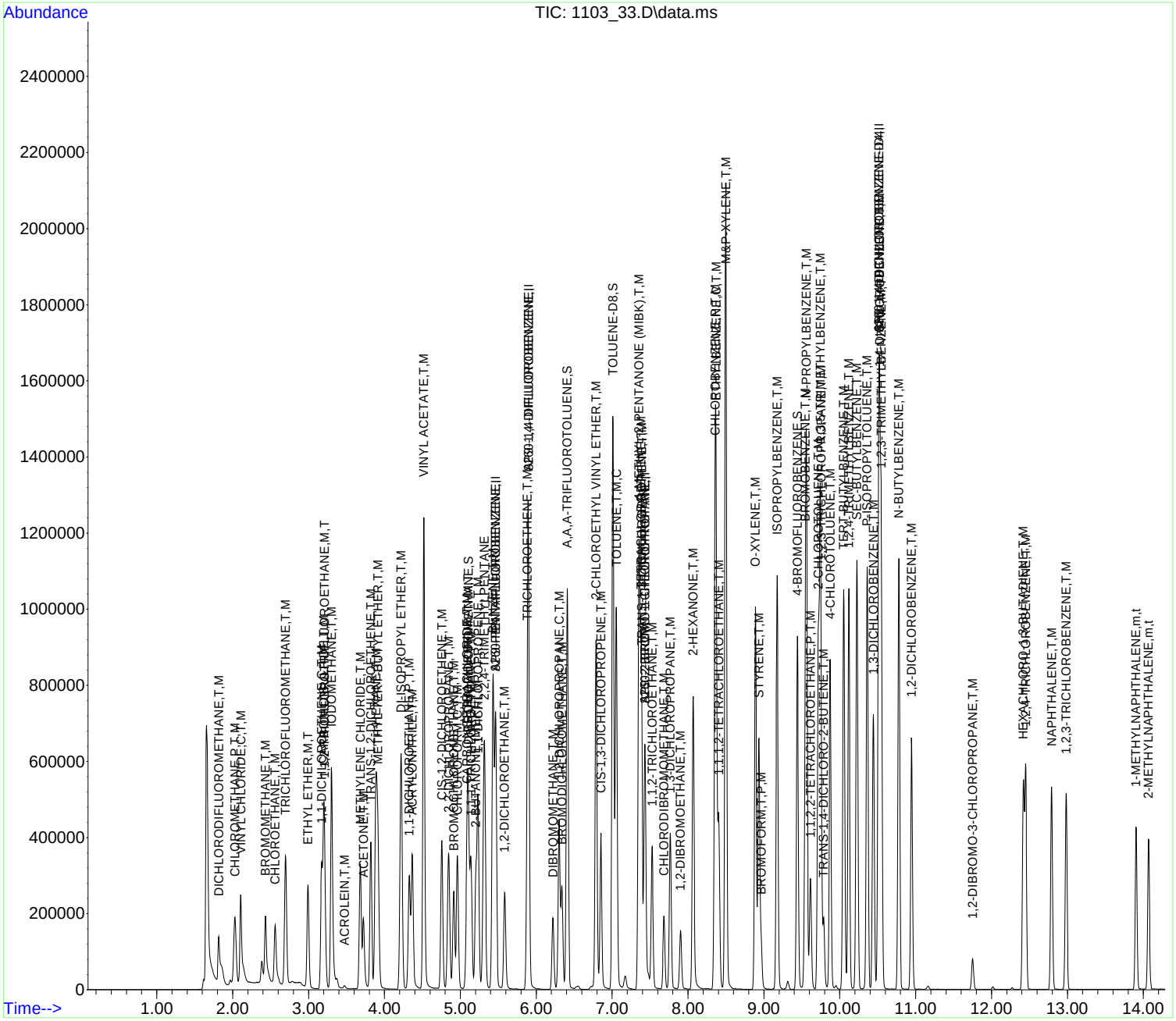
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.367	53	281346	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1684	No Calib	#
99)	PROPIONITRILE	5.319	54	2000	No Calib	
100)	ETHYL ACETATE	5.055	43	1836	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1336	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.235	59	929	No Calib	#
104)	ISOBUTANOL	5.460	43	814	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	11709	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	11329	No Calib	#
110)	2-NITROPROPANE	7.354	43	829225	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1895	No Calib	#
112)	1,4-DIOXANE	6.409	88	5533	No Calib	
113)	N-OCTANE	6.852	85	2906	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	267	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6328	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4837	No Calib	
118)	CYCLOHEXANONE	9.785	55	1303	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	20744	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8521	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_33.D
Acq On : 3 Nov 2011 11:13 pm
Operator : 209
Sample : LCSD 1x WG563916
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 33 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 03 22:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_34.D
Acq On : 3 Nov 2011 11:52 pm
Operator : 209
Sample : MS 1x WG563916 L544884-01
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 34 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	443146	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	814447	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	139658	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	343747	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	443146	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	814447	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	139658	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	343747	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	228479	41.7173569	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 104.29%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	428937	41.2998264	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.25%			
46) TOLUENE-D8	7.010	98	1023682	40.9808296	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.45%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 98.55%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6741676	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	187988	24.7240895	ppb #	83
4) CHLOROMETHANE	2.026	50	238043	22.8806208	ppb	99
5) VINYL CHLORIDE	2.107	62	256710	23.3834537	ppb	97
6) BROMOMETHANE	2.431	94	127637	21.4247630	ppb	100
7) CHLOROETHANE	2.560	64	160331	24.0084858	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	291668	23.5408505	ppb	99
9) ETHYL ETHER	2.991	59	157902	23.6105843	ppb	98
10) ACROLEIN	3.470	56	5117	6.4788495	ppb	94
11) 1,1-DICHLOROETHENE	3.171	96	116081	21.2820891	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	121714	20.7287877	ppb	99
13) ACETONE	3.724	43	222520	101.9324326	ppb	99
14) IODOMETHANE	3.303	142	727660	104.7245156	ppb	100
15) CARBON DISULFIDE	3.200	76	349668	23.0935670	ppb	100
16) METHYLENE CHLORIDE	3.679	84	148181	21.6902264	ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_34.D
Acq On : 3 Nov 2011 11:52 pm
Operator : 209
Sample : MS 1x WG563916 L544884-01
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 34 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	307343	123.6655048	ppb		99
18)	n-HEXANE	3.888	56	139631	19.1063127	ppb		95
19)	TRANS-1,2-DICHLOROETHENE	3.817	96	140724	21.5031265	ppb		99
20)	METHYL TERT-BUTYL ETHER	3.910	73	408778	24.2338545	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	296160	22.7936071	ppb		99
22)	VINYL ACETATE	4.518	43	1868869	138.3423352	ppb		100
23)	DI-ISOPROPYL ETHER	4.216	45	566205	23.6790234	ppb		99
24)	2,2-DICHLOROPROPANE	4.846	77	218748	23.8910417	ppb		99
25)	CIS-1,2-DICHLOROETHENE	4.753	96	163709	22.6855327	ppb		100
26)	2-BUTANONE (MEK)	5.203	72	101594	117.8952497	ppb		98
27)	BROMOCHLOROMETHANE	4.910	130	81170	22.6935802	ppb		99
28)	TETRAHYDROFURAN	5.100	42	55215	25.8982946	ppb		96
29)	CHLOROFORM	4.962	83	268841	23.0130328	ppb		100
31)	1,1,1-TRICHLOROETHANE	5.139	97	217387	22.8122959	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	172304	21.2410993	ppb		96
33)	1,1-DICHLOROPROPENE	5.232	75	230638	22.2146305	ppb		100
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	693910	21.3981904	ppb		99
35)	BENZENE	5.428	78	691377	22.4509685	ppb		99
36)	1,2-DICHLOROETHANE	5.582	62	204002	22.6583614	ppb		100
38)	TRICHLOROETHENE	5.881	130	148484	21.7417252	ppb	#	100
39)	1,2-DICHLOROPROPANE	6.303	62	123101	22.3597097	ppb		99
40)	DIBROMOMETHANE	6.219	93	80312	22.5852613	ppb		100
41)	BROMODICHLOROMETHANE	6.338	83	174072	22.2216319	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	166903	55.0258606	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	228693	22.8253584	ppb		100
45)	4-METHYL-2-PENTANONE (...	7.354	58	335556	127.0283525	ppb		99
47)	TOLUENE	7.055	91	730713	21.9449324	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	47310	22.2731048	ppb		99
50)	1,1,2-TRICHLOROETHANE	7.528	97	127030	21.5626040	ppb		98
51)	TETRACHLOROETHENE	7.380	164	116771	20.4803678	ppb		98
52)	1,3-DICHLOROPROPANE	7.766	76	249357	21.2771511	ppb		98
53)	2-HEXANONE	8.068	58	318375	124.3255150	ppb		100
54)	CHLORODIBROMOMETHANE	7.685	129	105382	21.5795403	ppb		100
55)	1,2-DIBROMOETHANE	7.904	107	119523	22.5525822	ppb		99
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	119938	22.0013330	ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_34.D
Acq On : 3 Nov 2011 11:52 pm
Operator : 209
Sample : MS 1x WG563916 L544884-01
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 34 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	250551	21.2821805 ppb	100
59)	M&P-XYLENE	8.499	106	612579	42.8005832 ppb	99
60)	O-XYLENE	8.888	106	284680	21.6229477 ppb	99
61)	STYRENE	8.936	104	335218	15.6774387 ppb	99
62)	BROMOFORM	8.965	173	57215	20.4300259 ppb	98
63)	ISOPROPYLBENZENE	9.174	105	773179	23.8548390 ppb	100
65)	BROMOBENZENE	9.547	77	349470	20.8259659 ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	170841	21.9258325 ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.756	110	51381	22.4655808 ppb	100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	47982	24.1633097 ppb	96
69)	N-PROPYLBENZENE	9.563	91	982246	21.6101987 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	616742	21.2204066 ppb	99
71)	4-CHLOROTOLUENE	9.875	91	563744	21.5997412 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	639695	21.8038596 ppb	98
73)	TERT-BUTYLBENZENE	10.055	119	539471	21.7853412 ppb	99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	627854	21.2920095 ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	861670	21.6589756 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	315486	21.2128074 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	692665	22.3357073 ppb	100
79)	1,4-DICHLOROBENZENE	10.531	146	330064	22.1261679 ppb	87
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	652321	20.7810395 ppb	99
81)	1,2-DICHLOROBENZENE	10.949	146	284431	21.6668143 ppb	100
82)	N-BUTYLBENZENE	10.778	91	708471	23.3823055 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	21898	24.2788902 ppb	97
84)	1,2,4-TRICHLOROBENZENE	12.450	180	192603	23.7899639 ppb	99
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	108146	21.2136005 ppb	99
86)	NAPHTHALENE	12.791	128	455127	22.3602344 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	169706	22.6331920 ppb	100
88)	1-METHYLNAPHTHALENE	13.907	142	218680	21.2983963 ppb	99
89)	2-METHYLNAPHTHALENE	14.071	142	207428	23.1227234 ppb	98
91)	ETHANOL	3.116	45	1789	No Calib #	
92)	BROMOETHANE	3.451	108	566	No Calib #	
93)	METHYL ACETATE	3.830	43	11631	No Calib #	
94)	ACETONITRILE	4.139	41	455	No Calib #	
95)	ALLYL CHLORIDE	3.431	76	167	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.914	59	1145	No Calib #	

Quantitation Report (Not Reviewed)

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Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 34 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	307343	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1566	No Calib	#
99)	PROPIONITRILE	5.312	54	2045	No Calib	
100)	ETHYL ACETATE	5.055	43	2045	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1343	No Calib	#
102)	CYCLOHEXANE	4.988	56	271	No Calib	#
103)	TERT-BUTYL FORMATE	5.229	59	920	No Calib	#
104)	ISOBUTANOL	5.463	43	1278	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	11916	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	12001	No Calib	#
110)	2-NITROPROPANE	7.354	43	886079	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1647	No Calib	#
112)	1,4-DIOXANE	6.409	88	5324	No Calib	#
113)	N-OCTANE	6.852	85	2920	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	291	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6296	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.563	53	4995	No Calib	
118)	CYCLOHEXANONE	9.785	55	1526	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	21305	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8371	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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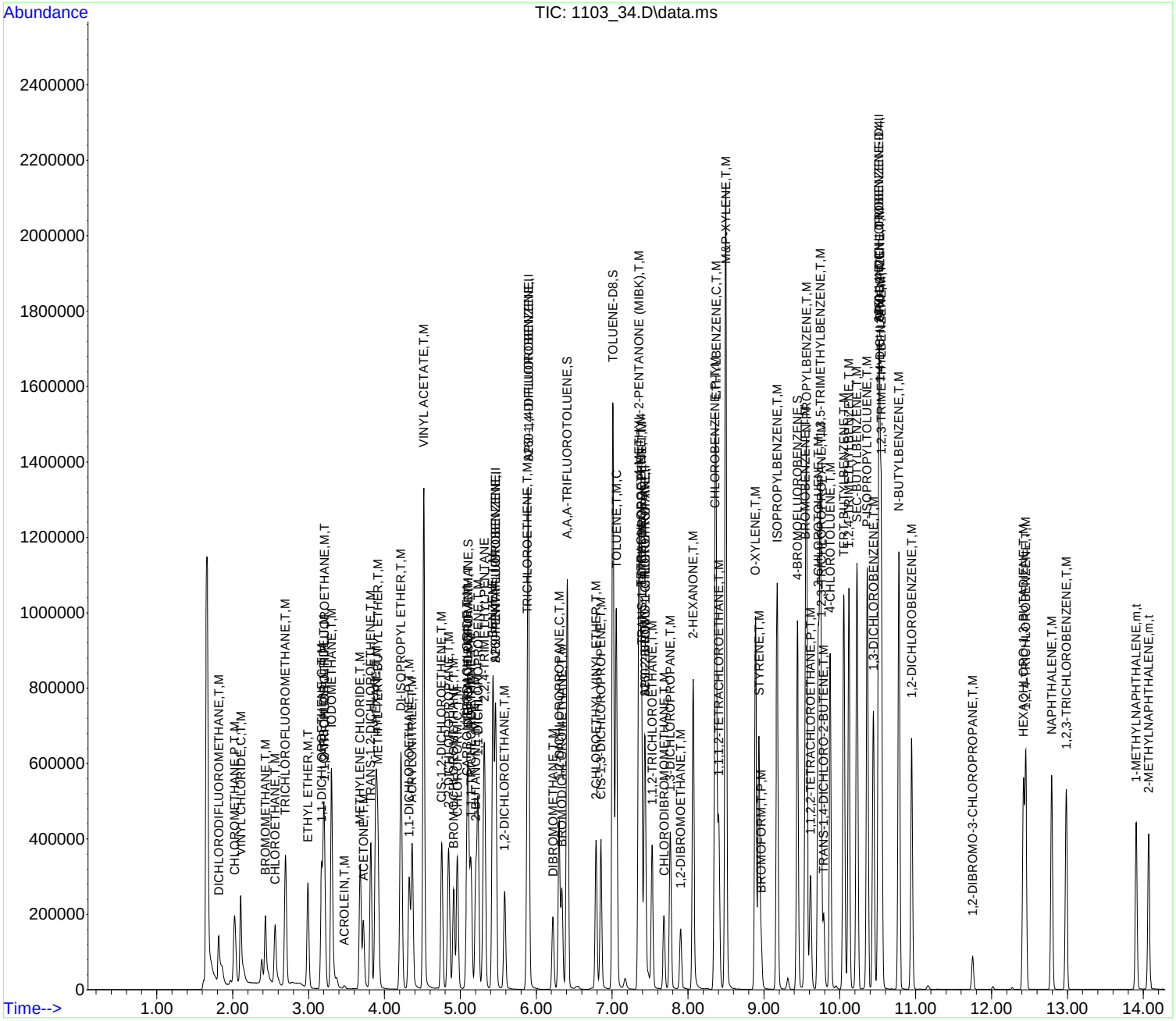
QLast Update : Wed Nov 02 13:37:07 2011



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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	443146	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	814447	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	139658	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	343747	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	443146	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	814447	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	139658	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	343747	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	228479	41.7173569	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 104.29%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	428937	41.2998264	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.25%			
46) TOLUENE-D8	7.010	98	1023682	40.9808296	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.45%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 98.55%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6741676	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	187988	24.7240895	ppb #	83
4) CHLOROMETHANE	2.026	50	238043	22.8806208	ppb	99
5) VINYL CHLORIDE	2.107	62	256710	23.3834537	ppb	97
6) BROMOMETHANE	2.431	94	127637	21.4247630	ppb	100
7) CHLOROETHANE	2.560	64	160331	24.0084858	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	291668	23.5408505	ppb	99
9) ETHYL ETHER	2.991	59	157902	23.6105843	ppb	98
10) ACROLEIN	3.470	56	5117	6.4788495	ppb	94
11) 1,1-DICHLOROETHENE	3.171	96	116081	21.2820891	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	121714	20.7287877	ppb	99
13) ACETONE	3.724	43	222520	101.9324326	ppb	99
14) IODOMETHANE	3.303	142	727660	104.7245156	ppb	100
15) CARBON DISULFIDE	3.200	76	349668	23.0935670	ppb	100
16) METHYLENE CHLORIDE	3.679	84	148181	21.6902264	ppb	99

Quantitation Report (QT Reviewed)

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Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	307343	123.6655048	ppb		99
18)	n-HEXANE	3.888	56	139631	19.1063127	ppb		95
19)	TRANS-1,2-DICHLOROETHENE	3.817	96	140724	21.5031265	ppb		99
20)	METHYL TERT-BUTYL ETHER	3.910	73	408778	24.2338545	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	296160	22.7936071	ppb		99
22)	VINYL ACETATE	4.518	43	1868869	138.3423352	ppb		100
23)	DI-ISOPROPYL ETHER	4.216	45	566205	23.6790234	ppb		99
24)	2,2-DICHLOROPROPANE	4.846	77	218748	23.8910417	ppb		99
25)	CIS-1,2-DICHLOROETHENE	4.753	96	163709	22.6855327	ppb		100
26)	2-BUTANONE (MEK)	5.203	72	101594	117.8952497	ppb		98
27)	BROMOCHLOROMETHANE	4.910	130	81170	22.6935802	ppb		99
28)	TETRAHYDROFURAN	5.100	42	55215	25.8982946	ppb		96
29)	CHLOROFORM	4.962	83	268841	23.0130328	ppb		100
31)	1,1,1-TRICHLOROETHANE	5.139	97	217387	22.8122959	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	172304	21.2410993	ppb		96
33)	1,1-DICHLOROPROPENE	5.232	75	230638	22.2146305	ppb		100
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	693910	21.3981904	ppb		99
35)	BENZENE	5.428	78	691377	22.4509685	ppb		99
36)	1,2-DICHLOROETHANE	5.582	62	204002	22.6583614	ppb		100
38)	TRICHLOROETHENE	5.881	130	148484	21.7417252	ppb	#	100
39)	1,2-DICHLOROPROPANE	6.303	62	123101	22.3597097	ppb		99
40)	DIBROMOMETHANE	6.219	93	80312	22.5852613	ppb		100
41)	BROMODICHLOROMETHANE	6.338	83	174072	22.2216319	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	166903	55.0258606	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	228693	22.8253584	ppb		100
45)	4-METHYL-2-PENTANONE (...	7.354	58	335556	127.0283525	ppb		99
47)	TOLUENE	7.055	91	730713	21.9449324	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	47310	22.2731048	ppb		99
50)	1,1,2-TRICHLOROETHANE	7.528	97	127030	21.5626040	ppb		98
51)	TETRACHLOROETHENE	7.380	164	116771	20.4803678	ppb		98
52)	1,3-DICHLOROPROPANE	7.766	76	249357	21.2771511	ppb		98
53)	2-HEXANONE	8.068	58	318375	124.3255150	ppb		100
54)	CHLORODIBROMOMETHANE	7.685	129	105382	21.5795403	ppb		100
55)	1,2-DIBROMOETHANE	7.904	107	119523	22.5525822	ppb		99
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	119938	22.0013330	ppb		99

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Misc : WATER ISSURR10G08815/SPK11K04855
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Quant Time: Nov 04 00:36:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	250551	21.2821805 ppb	100
59)	M&P-XYLENE	8.499	106	612579	42.8005832 ppb	99
60)	O-XYLENE	8.888	106	284680	21.6229477 ppb	99
61)	STYRENE	8.936	104	335218	15.6774387 ppb	99
62)	BROMOFORM	8.965	173	57215	20.4300259 ppb	98
63)	ISOPROPYLBENZENE	9.174	105	773179	23.8548390 ppb	100
65)	BROMOBENZENE	9.547	77	349470	20.8259659 ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	170841	21.9258325 ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.756	110	51381	22.4655808 ppb	100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	47982	24.1633097 ppb	96
69)	N-PROPYLBENZENE	9.563	91	982246	21.6101987 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	616742	21.2204066 ppb	99
71)	4-CHLOROTOLUENE	9.875	91	563744	21.5997412 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	639695	21.8038596 ppb	98
73)	TERT-BUTYLBENZENE	10.055	119	539471	21.7853412 ppb	99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	627854	21.2920095 ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	861670	21.6589756 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	315486	21.2128074 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	692665	22.3357073 ppb	100
79)	1,4-DICHLOROBENZENE	10.531	146	330064	22.1261679 ppb	87
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	652321	20.7810395 ppb	99
81)	1,2-DICHLOROBENZENE	10.949	146	284431	21.6668143 ppb	100
82)	N-BUTYLBENZENE	10.778	91	708471	23.3823055 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	21898	24.2788902 ppb	97
84)	1,2,4-TRICHLOROBENZENE	12.450	180	192603	23.7899639 ppb	99
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	108146	21.2136005 ppb	99
86)	NAPHTHALENE	12.791	128	455127	22.3602344 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	169706	22.6331920 ppb	100
88)	1-METHYLNAPHTHALENE	13.907	142	218680	21.2983963 ppb	99
89)	2-METHYLNAPHTHALENE	14.071	142	207428	23.1227234 ppb	98
91)	ETHANOL	3.116	45	1789	No Calib #	
92)	BROMOETHANE	3.451	108	566	No Calib #	
93)	METHYL ACETATE	3.830	43	11631	No Calib #	
94)	ACETONITRILE	4.139	41	455	No Calib #	
95)	ALLYL CHLORIDE	3.431	76	167	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.914	59	1145	No Calib #	

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101)	METHACRYLONITRILE	5.460	67	1343	No Calib	#
102)	CYCLOHEXANE	4.988	56	271	No Calib	#
103)	TERT-BUTYL FORMATE	5.229	59	920	No Calib	#
104)	ISOBUTANOL	5.463	43	1278	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	11916	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	12001	No Calib	#
110)	2-NITROPROPANE	7.354	43	886079	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1647	No Calib	#
112)	1,4-DIOXANE	6.409	88	5324	No Calib	#
113)	N-OCTANE	6.852	85	2920	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	291	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6296	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.563	53	4995	No Calib	
118)	CYCLOHEXANONE	9.785	55	1526	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	21305	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8371	No Calib	

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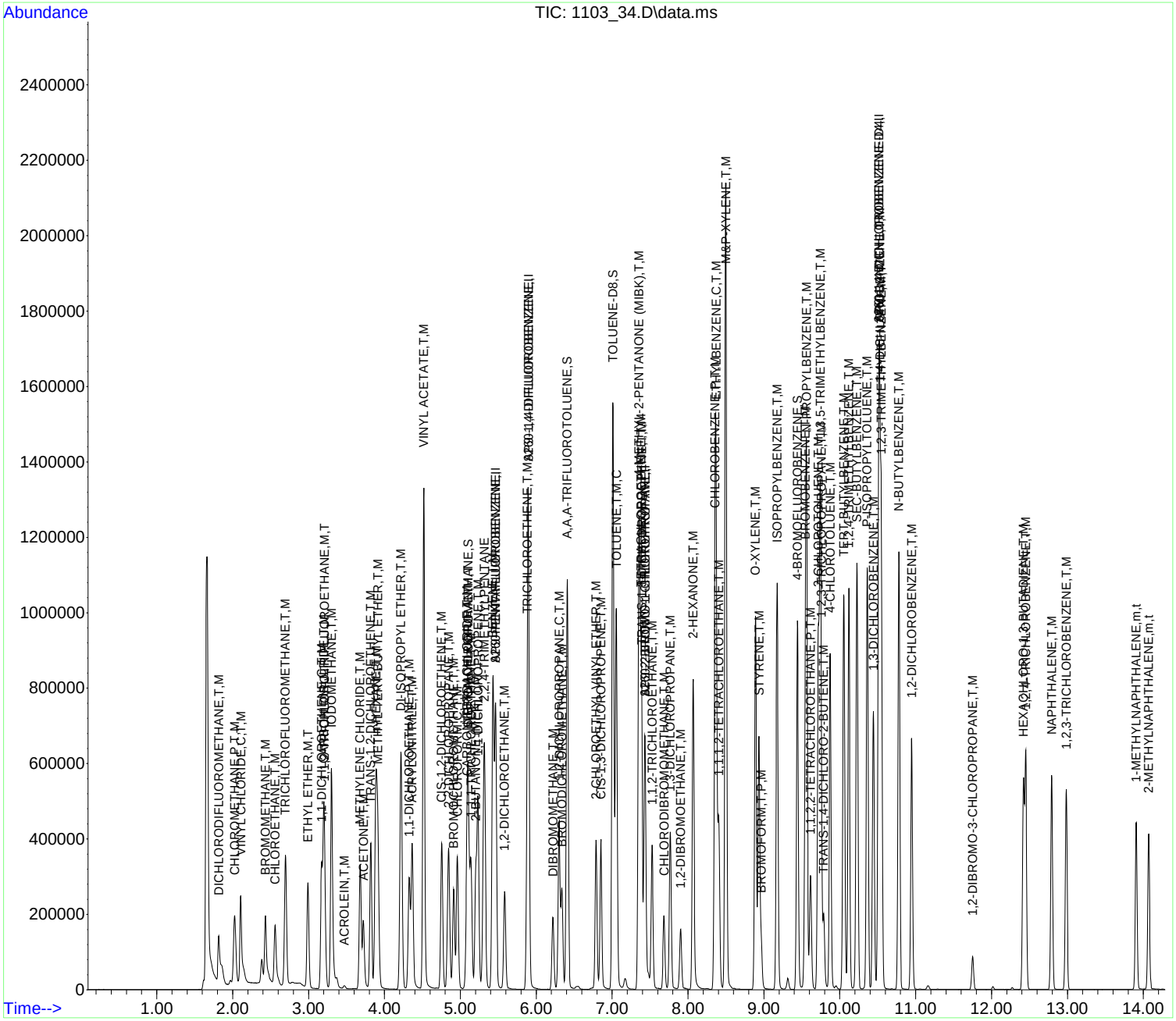
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_35.D
Acq On : 4 Nov 2011 12:14 am
Operator : 209
Sample : MSD 1x WG563916 L544884-01
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 35 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	435798	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	800936	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	137074	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	340514	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	436985	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	800936	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	137074	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	340514	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	223703	41.5340140	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 103.84%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	417481	40.8748757	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.19%			
46) TOLUENE-D8	7.010	98	1011360	41.1705307	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.93%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 99.32%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6433868	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	180610	24.1542508	ppb #	83
4) CHLOROMETHANE	2.026	50	226992	22.1862826	ppb	100
5) VINYL CHLORIDE	2.107	62	247043	22.8823183	ppb	97
6) BROMOMETHANE	2.431	94	122915	20.9800213	ppb	100
7) CHLOROETHANE	2.560	64	151563	23.0782069	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	275422	22.6044318	ppb	100
9) ETHYL ETHER	2.991	59	149988	22.8053750	ppb	98
10) ACROLEIN	3.470	56	5194	6.6872263	ppb	95
11) 1,1-DICHLOROETHENE	3.171	96	111571	20.8001297	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	116651	20.2014915	ppb	98
13) ACETONE	3.724	43	228965	106.6532364	ppb	99
14) IODOMETHANE	3.303	142	689694	100.9340981	ppb	100
15) CARBON DISULFIDE	3.200	76	328227	22.0430169	ppb	100
16) METHYLENE CHLORIDE	3.679	84	142285	21.1783579	ppb	99

Quantitation Report (Not Reviewed)

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Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 35 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	311753	127.5550010	ppb		99
18) n-HEXANE	3.888	56	132273	18.4046617	ppb		93
19) TRANS-1,2-DICHLOROETHENE	3.820	96	135389	21.0367390	ppb		99
20) METHYL TERT-BUTYL ETHER	3.910	73	397938	23.9889918	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	278806	21.8197803	ppb		100
22) VINYL ACETATE	4.518	43	1828728	137.6534046	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	540136	22.9696729	ppb		99
24) 2,2-DICHLOROPROPANE	4.846	77	205164	22.7852477	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.756	96	155727	21.9433001	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	104178	122.9322592	ppb		94
27) BROMOCHLOROMETHANE	4.914	130	76743	21.8176436	ppb		98
28) TETRAHYDROFURAN	5.100	42	57496	27.4228964	ppb		96
29) CHLOROFORM	4.962	83	256857	22.3579181	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	205531	21.9318044	ppb		100
32) CARBON TETRACHLORIDE	5.087	117	161387	20.2307405	ppb		98
33) 1,1-DICHLOROPROPENE	5.235	75	220843	21.6298481	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	657472	20.6163968	ppb		100
35) BENZENE	5.431	78	656246	21.6694767	ppb		99
36) 1,2-DICHLOROETHANE	5.582	62	194915	22.0141001	ppb		99
38) TRICHLOROETHENE	5.885	130	141897	21.1277170	ppb	#	99
39) 1,2-DICHLOROPROPANE	6.303	62	118479	21.8832073	ppb		100
40) DIBROMOMETHANE	6.219	93	77945	22.2893782	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	167644	21.7620628	ppb		99
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	26953	9.0359709	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	213848	21.7037581	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	345849	133.1334525	ppb		100
47) TOLUENE	7.055	91	693371	21.1747407	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	45803	21.9273803	ppb		98
50) 1,1,2-TRICHLOROETHANE	7.524	97	123419	21.3445825	ppb		98
51) TETRACHLOROETHENE	7.383	164	110668	19.7758676	ppb		99
52) 1,3-DICHLOROPROPANE	7.765	76	244370	21.2446966	ppb		99
53) 2-HEXANONE	8.068	58	329269	131.0034961	ppb		98
54) CHLORODIBROMOMETHANE	7.685	129	101450	21.1659876	ppb		100
55) 1,2-DIBROMOETHANE	7.901	107	115868	22.2750677	ppb		99
56) CHLOROBENZENE	8.357	112	414115	20.4479674	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	113993	21.3049789	ppb		98

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Operator : 209
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Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 35 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	236091	20.4319655 ppb	98
59)	M&P-XYLENE	8.499	106	585595	41.6865231 ppb	100
60)	O-XYLENE	8.888	106	274102	21.2119638 ppb	99
61)	STYRENE	8.933	104	320987	15.2948759 ppb	100
62)	BROMOFORM	8.965	173	56265	20.4685957 ppb	99
63)	ISOPROPYLBENZENE	9.174	105	745679	23.4400797 ppb	99
65)	BROMOBENZENE	9.547	77	339052	20.5860155 ppb	99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	171084	22.3709340 ppb	100
67)	1,2,3-TRICHLOROPROPANE	9.756	110	51688	23.0258440 ppb	99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	47814	24.5326173 ppb	96
69)	N-PROPYLBENZENE	9.560	91	939418	21.0575626 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	588817	20.6414998 ppb	99
71)	4-CHLOROTOLUENE	9.871	91	537978	21.0010913 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	611902	21.2497109 ppb	99
73)	TERT-BUTYLBENZENE	10.052	119	517805	21.3045926 ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	601070	20.7679568 ppb	100
75)	SEC-BUTYLBENZENE	10.225	105	823278	21.0840570 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	299973	20.5499588 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	660192	21.6898953 ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	313874	21.2406270 ppb	83
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	627790	20.1894388 ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	276344	21.2506450 ppb	99
82)	N-BUTYLBENZENE	10.778	91	675458	22.5044056 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	22135	24.7746684 ppb	97
84)	1,2,4-TRICHLOROBENZENE	12.450	180	185431	23.1215540 ppb	99
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	103504	20.4958061 ppb	99
86)	NAPHTHALENE	12.791	128	458083	22.7191391 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	163665	22.0347622 ppb	100
88)	1-METHYLNAPHTHALENE	13.903	142	222667	21.8926151 ppb	99
89)	2-METHYLNAPHTHALENE	14.067	142	215722	24.2756007 ppb	100
91)	ETHANOL	3.113	45	761	No Calib #	
92)	BROMOETHANE	3.441	108	362	No Calib #	
93)	METHYL ACETATE	3.830	43	12388	No Calib #	
94)	ACETONITRILE	4.113	41	380	No Calib #	
95)	ALLYL CHLORIDE	3.373	76	523	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.910	59	1063	No Calib #	

Quantitation Report (Not Reviewed)

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ALS Vial : 35 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	311753	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1550	No Calib	#
99)	PROPIONITRILE	5.319	54	1877	No Calib	
100)	ETHYL ACETATE	5.049	43	2399	No Calib	#
101)	METHACRYLONITRILE	5.467	67	1329	No Calib	#
102)	CYCLOHEXANE	5.000	56	231	No Calib	#
103)	TERT-BUTYL FORMATE	5.229	59	911	No Calib	#
104)	ISOBUTANOL	5.460	43	669	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	11550	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11739	No Calib	#
110)	2-NITROPROPANE	7.354	43	908411	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1750	No Calib	#
112)	1,4-DIOXANE	6.409	88	5493	No Calib	
113)	N-OCTANE	6.852	85	2760	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	395	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6446	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4832	No Calib	
118)	CYCLOHEXANONE	9.781	55	1353	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	20264	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8481	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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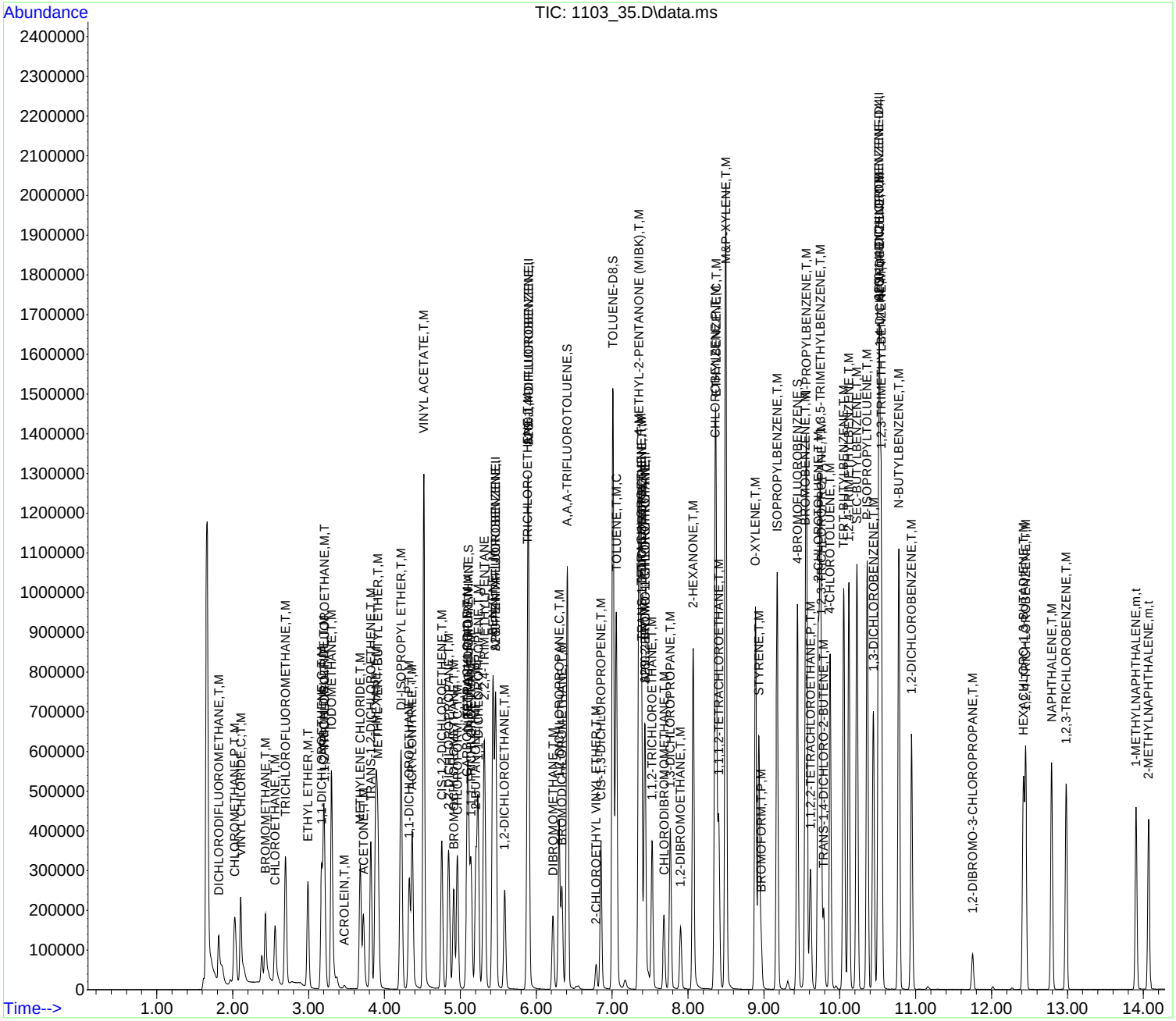

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	435798	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	800936	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	137074	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	340514	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	436985	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	800936	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	137074	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	340514	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	223703	41.5340140	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 103.84%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	417481	40.8748757	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.19%			
46) TOLUENE-D8	7.010	98	1011360	41.1705307	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.93%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 99.32%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6433868	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	180610	24.1542508	ppb #	83
4) CHLOROMETHANE	2.026	50	226992	22.1862826	ppb	100
5) VINYL CHLORIDE	2.107	62	247043	22.8823183	ppb	97
6) BROMOMETHANE	2.431	94	122915	20.9800213	ppb	100
7) CHLOROETHANE	2.560	64	151563	23.0782069	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	275422	22.6044318	ppb	100
9) ETHYL ETHER	2.991	59	149988	22.8053750	ppb	98
10) ACROLEIN	3.470	56	5194	6.6872263	ppb	95
11) 1,1-DICHLOROETHENE	3.171	96	111571	20.8001297	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	116651	20.2014915	ppb	98
13) ACETONE	3.724	43	228965	106.6532364	ppb	99
14) IODOMETHANE	3.303	142	689694	100.9340981	ppb	100
15) CARBON DISULFIDE	3.200	76	328227	22.0430169	ppb	100
16) METHYLENE CHLORIDE	3.679	84	142285	21.1783579	ppb	99

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	311753	127.5550010	ppb		99
18)	n-HEXANE	3.888	56	132273	18.4046617	ppb		93
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	135389	21.0367390	ppb		99
20)	METHYL TERT-BUTYL ETHER	3.910	73	397938	23.9889918	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	278806	21.8197803	ppb		100
22)	VINYL ACETATE	4.518	43	1828728	137.6534046	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	540136	22.9696729	ppb		99
24)	2,2-DICHLOROPROPANE	4.846	77	205164	22.7852477	ppb		99
25)	CIS-1,2-DICHLOROETHENE	4.756	96	155727	21.9433001	ppb		100
26)	2-BUTANONE (MEK)	5.203	72	104178	122.9322592	ppb		94
27)	BROMOCHLOROMETHANE	4.914	130	76743	21.8176436	ppb		98
28)	TETRAHYDROFURAN	5.100	42	57496	27.4228964	ppb		96
29)	CHLOROFORM	4.962	83	256857	22.3579181	ppb		99
31)	1,1,1-TRICHLOROETHANE	5.139	97	205531	21.9318044	ppb		100
32)	CARBON TETRACHLORIDE	5.087	117	161387	20.2307405	ppb		98
33)	1,1-DICHLOROPROPENE	5.235	75	220843	21.6298481	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	657472	20.6163968	ppb		100
35)	BENZENE	5.431	78	656246	21.6694767	ppb		99
36)	1,2-DICHLOROETHANE	5.582	62	194915	22.0141001	ppb		99
38)	TRICHLOROETHENE	5.885	130	141897	21.1277170	ppb	#	99
39)	1,2-DICHLOROPROPANE	6.303	62	118479	21.8832073	ppb		100
40)	DIBROMOMETHANE	6.219	93	77945	22.2893782	ppb		99
41)	BROMODICHLOROMETHANE	6.338	83	167644	21.7620628	ppb		99
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	26953	9.0359709	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	213848	21.7037581	ppb		100
45)	4-METHYL-2-PENTANONE (...	7.354	58	345849	133.1334525	ppb		100
47)	TOLUENE	7.055	91	693371	21.1747407	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	45803	21.9273803	ppb		98
50)	1,1,2-TRICHLOROETHANE	7.524	97	123419	21.3445825	ppb		98
51)	TETRACHLOROETHENE	7.383	164	110668	19.7758676	ppb		99
52)	1,3-DICHLOROPROPANE	7.765	76	244370	21.2446966	ppb		99
53)	2-HEXANONE	8.068	58	329269	131.0034961	ppb		98
54)	CHLORODIBROMOMETHANE	7.685	129	101450	21.1659876	ppb		100
55)	1,2-DIBROMOETHANE	7.901	107	115868	22.2750677	ppb		99
56)	CHLOROBENZENE	8.357	112	414115	20.4479674	ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	113993	21.3049789	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_35.D
Acq On : 4 Nov 2011 12:14 am
Operator : 209
Sample : MSD 1x WG563916 L544884-01
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 35 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	236091	20.4319655 ppb	98
59)	M&P-XYLENE	8.499	106	585595	41.6865231 ppb	100
60)	O-XYLENE	8.888	106	274102	21.2119638 ppb	99
61)	STYRENE	8.933	104	320987	15.2948759 ppb	100
62)	BROMOFORM	8.965	173	56265	20.4685957 ppb	99
63)	ISOPROPYLBENZENE	9.174	105	745679	23.4400797 ppb	99
65)	BROMOBENZENE	9.547	77	339052	20.5860155 ppb	99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	171084	22.3709340 ppb	100
67)	1,2,3-TRICHLOROPROPANE	9.756	110	51688	23.0258440 ppb	99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	47814	24.5326173 ppb	96
69)	N-PROPYLBENZENE	9.560	91	939418	21.0575626 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	588817	20.6414998 ppb	99
71)	4-CHLOROTOLUENE	9.871	91	537978	21.0010913 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	611902	21.2497109 ppb	99
73)	TERT-BUTYLBENZENE	10.052	119	517805	21.3045926 ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	601070	20.7679568 ppb	100
75)	SEC-BUTYLBENZENE	10.225	105	823278	21.0840570 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	299973	20.5499588 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	660192	21.6898953 ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	313874	21.2406270 ppb	83
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	627790	20.1894388 ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	276344	21.2506450 ppb	99
82)	N-BUTYLBENZENE	10.778	91	675458	22.5044056 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	22135	24.7746684 ppb	97
84)	1,2,4-TRICHLOROBENZENE	12.450	180	185431	23.1215540 ppb	99
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	103504	20.4958061 ppb	99
86)	NAPHTHALENE	12.791	128	458083	22.7191391 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	163665	22.0347622 ppb	100
88)	1-METHYLNAPHTHALENE	13.903	142	222667	21.8926151 ppb	99
89)	2-METHYLNAPHTHALENE	14.067	142	215722	24.2756007 ppb	100
91)	ETHANOL	3.113	45	761	No Calib #	
92)	BROMOETHANE	3.441	108	362	No Calib #	
93)	METHYL ACETATE	3.830	43	12388	No Calib #	
94)	ACETONITRILE	4.113	41	380	No Calib #	
95)	ALLYL CHLORIDE	3.373	76	523	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.910	59	1063	No Calib #	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_35.D
Acq On : 4 Nov 2011 12:14 am
Operator : 209
Sample : MSD 1x WG563916 L544884-01
Misc : WATER ISSURR10G08815/SPK11K04855
ALS Vial : 35 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	311753	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1550	No Calib	#
99)	PROPIONITRILE	5.319	54	1877	No Calib	
100)	ETHYL ACETATE	5.049	43	2399	No Calib	#
101)	METHACRYLONITRILE	5.467	67	1329	No Calib	#
102)	CYCLOHEXANE	5.000	56	231	No Calib	#
103)	TERT-BUTYL FORMATE	5.229	59	911	No Calib	#
104)	ISOBUTANOL	5.460	43	669	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	11550	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11739	No Calib	#
110)	2-NITROPROPANE	7.354	43	908411	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1750	No Calib	#
112)	1,4-DIOXANE	6.409	88	5493	No Calib	
113)	N-OCTANE	6.852	85	2760	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	395	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6446	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4832	No Calib	
118)	CYCLOHEXANONE	9.781	55	1353	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	20264	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8481	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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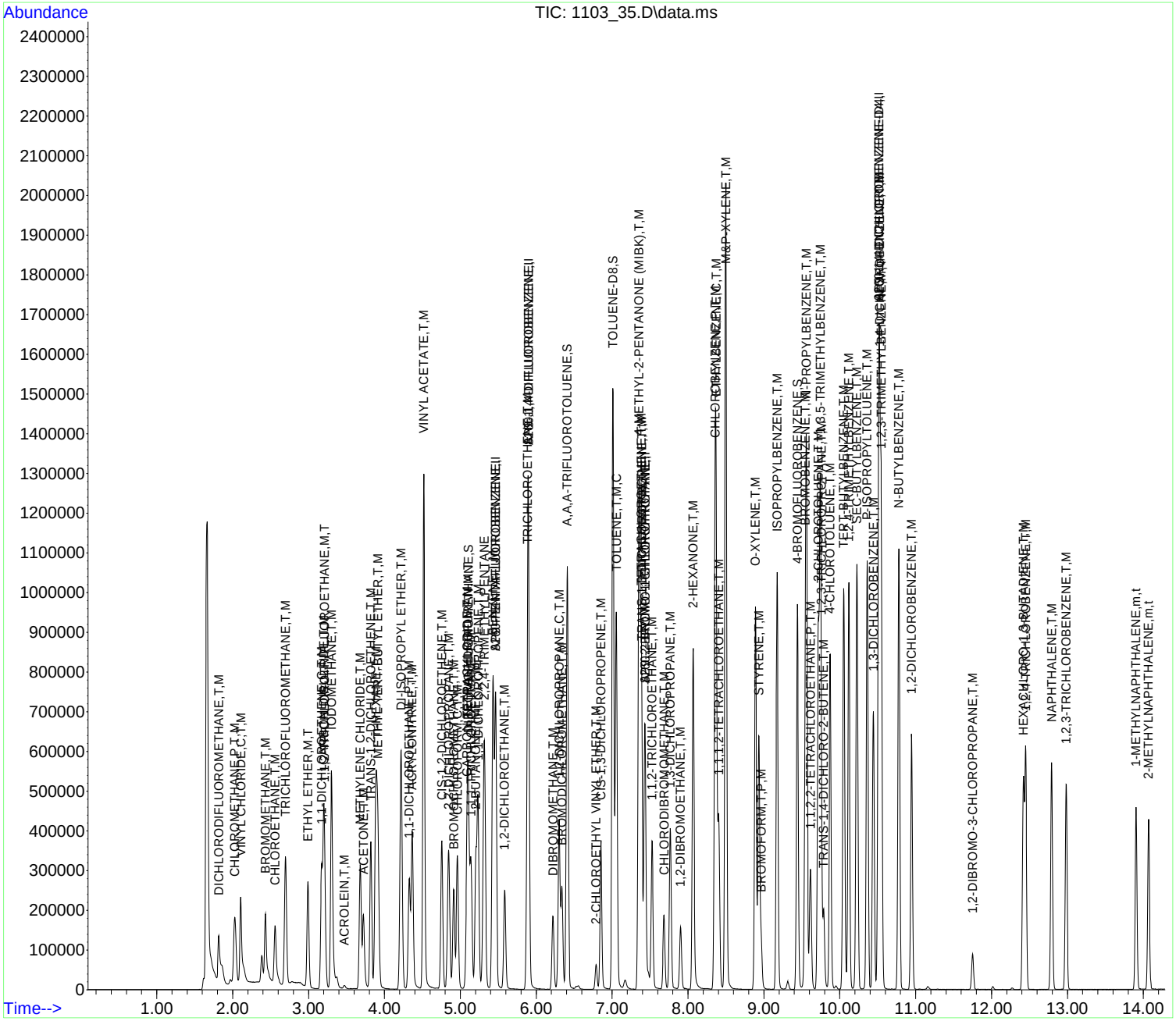
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
Acq On : 4 Nov 2011 1:18 am
Operator : 209
Sample : BLANK 1x WG563916
Misc : water ISSURR10G08815
ALS Vial : 38 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:54 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	395952	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	740974	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	118280	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	291465	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	395952	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	740974	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	118280	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	291465	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	197706	40.4012347	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 101.00%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	392275	41.5150156	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.79%			
46) TOLUENE-D8	7.010	98	938828	41.3106065	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.28%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.40%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4087761	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	2.573	64	156	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	1761	0.9028321	ppb #	81
14) IODOMETHANE	3.309	142	939	N.D.		
15) CARBON DISULFIDE	3.203	76	315	N.D.		
16) METHYLENE CHLORIDE	3.682	84	383	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
Acq On : 4 Nov 2011 1:18 am
Operator : 209
Sample : BLANK 1x WG563916
Misc : water ISSURR10G08815
ALS Vial : 38 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:54 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	4.518	43	287	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1335	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.441	78	505	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	241	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1234	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.769	76	641	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
Acq On : 4 Nov 2011 1:18 am
Operator : 209
Sample : BLANK 1x WG563916
Misc : water ISSURR10G08815
ALS Vial : 38 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:54 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.502	106	331	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	2045	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.560	91	329	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	9.875	91	239	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	369	N.D.	
75)	SEC-BUTYLBENZENE	10.119	105	369	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.531	146	403	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.556	105	165	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	10.781	91	238	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	12.450	180	247	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.788	128	1185	N.D.	
87)	1,2,3-TRICHLOROBENZENE	12.984	180	204	N.D.	
88)	1-METHYLNAPHTHALENE	13.907	142	851	N.D.	
89)	2-METHYLNAPHTHALENE	14.071	142	676	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.833	43	413	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
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InstName : VOCMS22

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Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.058	43	853	No Calib	#
101)	METHACRYLONITRILE	5.466	67	1129	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.460	43	590	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.466	73	417	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	9675	No Calib	#
110)	2-NITROPROPANE	7.425	43	894	No Calib	#
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.409	88	4848	No Calib	#
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	171	No Calib	#
116)	ETHYL METHACRYLATE	0.000		0	N.D.	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	0.000		0	N.D.	
119)	PENTACHLOROETHANE	0.000		0	N.D.	
120)	HEXACHLOROETHANE	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
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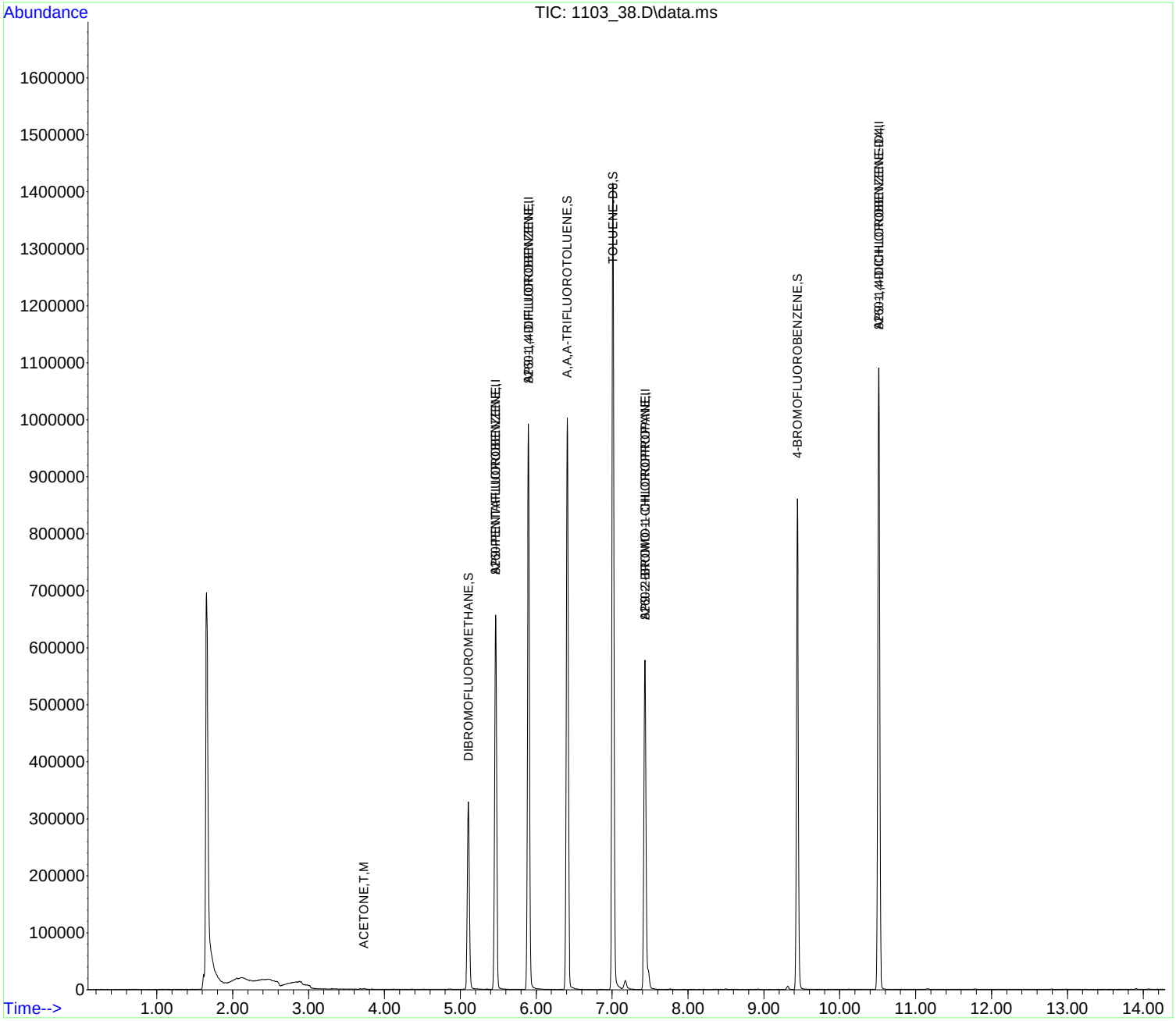
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
Acq On : 4 Nov 2011 1:18 am
Operator : 209
Sample : BLANK 1x WG563916
Misc : water ISSURR10G08815
ALS Vial : 38 Sample Multiplier: 1
InstName : VOCMS22

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Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	395952	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	740974	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	118280	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	291465	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	395952	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.897	114	740974	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.434	79	118280	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.515	152	291465	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.106	111	197706	40.4012347	ppb	0.00
	Spiked Amount 40.000	Range 79 - 125		Recovery = 101.00%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	392275	41.5150156	ppb	0.00
	Spiked Amount 40.000	Range 84 - 114		Recovery = 103.79%			
46)	TOLUENE-D8	7.010	98	938828	41.3106065	ppb	0.00
	Spiked Amount 40.000	Range 87 - 114		Recovery = 103.28%			
	Spiked Amount 40.000	Range 75 - 128		Recovery = 100.40%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	-4087761	No Calib		
3)	DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4)	CHLOROMETHANE	0.000		0	N.D.		
5)	VINYL CHLORIDE	0.000		0	N.D.		
6)	BROMOMETHANE	0.000		0	N.D.		
7)	CHLOROETHANE	2.573	64	156	N.D.		
8)	TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9)	ETHYL ETHER	0.000		0	N.D.		
10)	ACROLEIN	0.000		0	N.D.		
11)	1,1-DICHLOROETHENE	0.000		0	N.D.		
12)	1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13)	ACETONE	3.727	43	1761	0.9028321	ppb #	81
14)	IODOMETHANE	3.309	142	939	N.D.		
15)	CARBON DISULFIDE	3.203	76	315	N.D.		
16)	METHYLENE CHLORIDE	3.682	84	383	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
Acq On : 4 Nov 2011 1:18 am
Operator : 209
Sample : BLANK 1x WG563916
Misc : water ISSURR10G08815
ALS Vial : 38 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:54 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	4.518	43	287	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1335	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.441	78	505	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	241	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1234	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.769	76	641	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
Acq On : 4 Nov 2011 1:18 am
Operator : 209
Sample : BLANK 1x WG563916
Misc : water ISSURR10G08815
ALS Vial : 38 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:54 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.502	106	331	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	2045	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.560	91	329	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	9.875	91	239	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	369	N.D.	
75)	SEC-BUTYLBENZENE	10.119	105	369	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.531	146	403	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.556	105	165	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	10.781	91	238	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	12.450	180	247	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.788	128	1185	N.D.	
87)	1,2,3-TRICHLOROBENZENE	12.984	180	204	N.D.	
88)	1-METHYLNAPHTHALENE	13.907	142	851	N.D.	
89)	2-METHYLNAPHTHALENE	14.071	142	676	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.833	43	413	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
Acq On : 4 Nov 2011 1:18 am
Operator : 209
Sample : BLANK 1x WG563916
Misc : water ISSURR10G08815
ALS Vial : 38 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:54 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

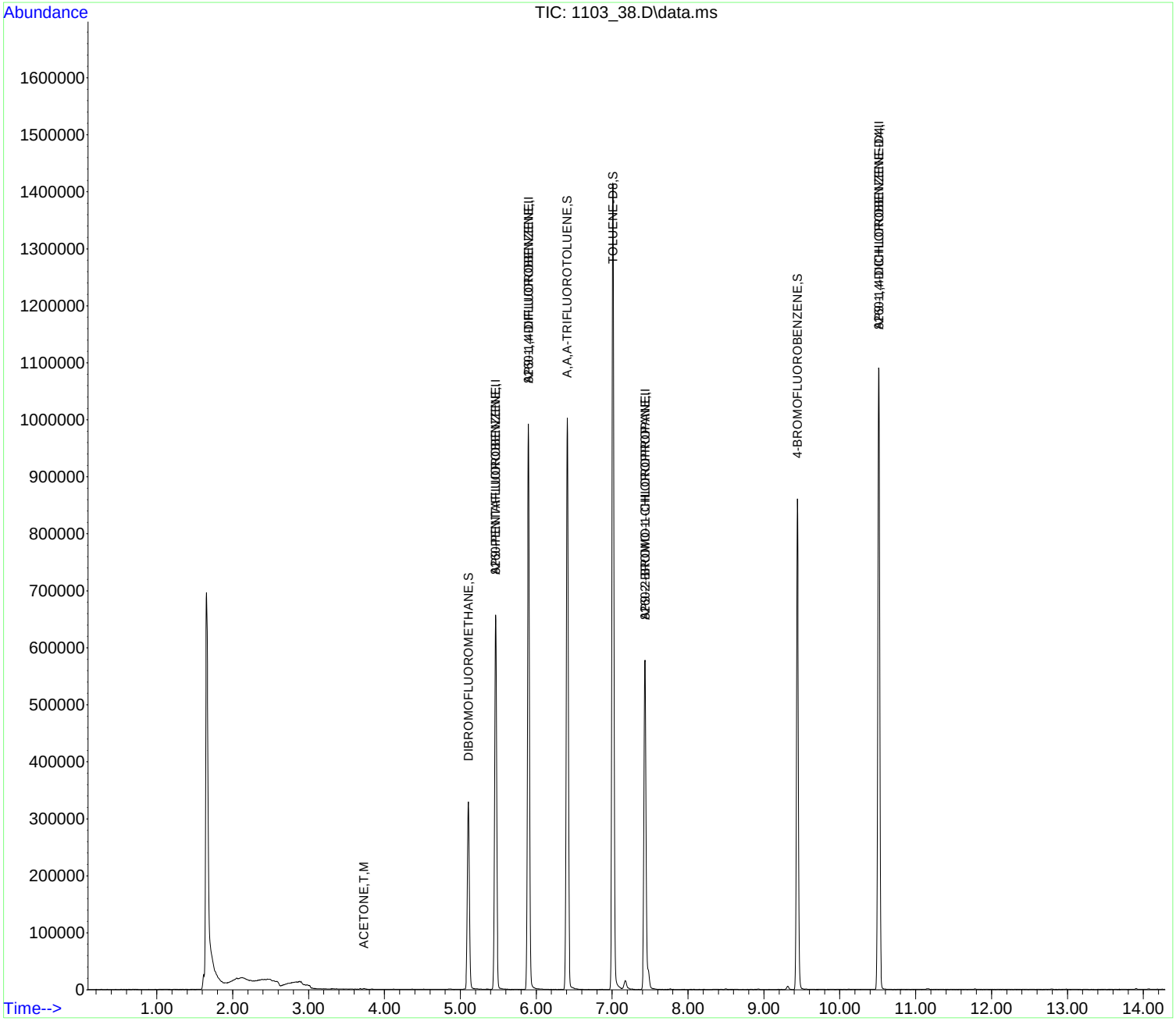
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.058	43	853	No Calib		#
101)	METHACRYLONITRILE	5.466	67	1129	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.460	43	590	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.466	73	417	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	9675	No Calib		#
110)	2-NITROPROPANE	7.425	43	894	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	4848	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	171	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_38.D
Acq On : 4 Nov 2011 1:18 am
Operator : 209
Sample : BLANK 1x WG563916
Misc : water ISSURR10G08815
ALS Vial : 38 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 04 00:36:54 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	5.463	168	393711	40.0000000 ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	741250	40.0000000 ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	117101	40.0000000 ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	298513	40.0000000 ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	394394	40.0000000 ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	741250	40.0000000 ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	117101	40.0000000 ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	298513	40.0000000 ppb	0.00
System Monitoring Compounds					
30) DIBROMOFLUOROMETHANE	5.106	111	198142	40.7208020 ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 101.80%		
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	388803	41.1322479 ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.83%		
46) TOLUENE-D8	7.010	98	941016	41.3914659 ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.48%		
Spiked Amount 40.000	Range 75 - 128		Recovery = 103.15%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4072276	No Calib	
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
4) CHLOROMETHANE	0.000		0	N.D.	
5) VINYL CHLORIDE	0.000		0	N.D.	
6) BROMOMETHANE	0.000		0	N.D.	
7) CHLOROETHANE	0.000		0	N.D.	
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
9) ETHYL ETHER	0.000		0	N.D.	
10) ACROLEIN	0.000		0	N.D.	
11) 1,1-DICHLOROETHENE	0.000		0	N.D.	
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
13) ACETONE	3.730	43	5373	2.7703170 ppb	99
14) IODOMETHANE	3.306	142	815	N.D.	
15) CARBON DISULFIDE	3.200	76	312	N.D.	
16) METHYLENE CHLORIDE	3.685	84	371	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	4.534	43	372	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1360	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.438	78	565	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	5.888	130	282	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	358	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.058	91	2034	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.772	76	554	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.505	106	406	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	1974	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.560	91	277	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	9.659	105	237	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.116	105	428	N.D.	
75)	SEC-BUTYLBENZENE	10.116	105	428	N.D.	
76)	1,3-DICHLOROBENZENE	10.527	146	266	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.527	146	417	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.540	105	293	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.794	128	1009	N.D.	
87)	1,2,3-TRICHLOROBENZENE	12.981	180	221	N.D.	
88)	1-METHYLNAPHTHALENE	13.903	142	510	N.D.	
89)	2-METHYLNAPHTHALENE	14.074	142	444	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.833	43	526	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.984	59	355	No Calib	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

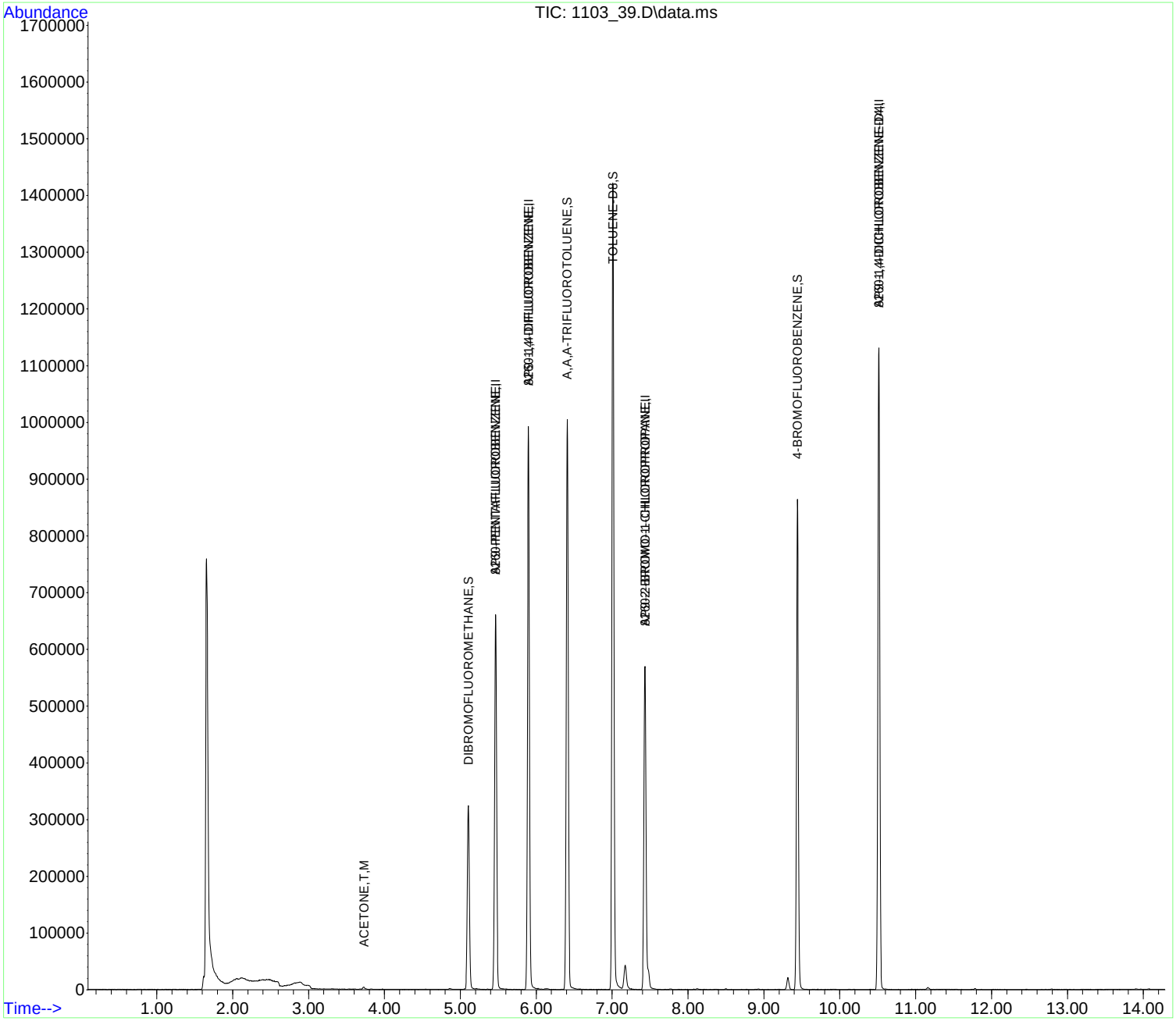
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.058	43	1074	No Calib		#
101)	METHACRYLONITRILE	5.466	67	1278	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.470	43	513	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.466	73	460	No Calib		#
108)	N-BUTANOL	6.122	56	430	No Calib		#
109)	METHYL CYCLOHEXANE	5.897	83	9630	No Calib		#
110)	2-NITROPROPANE	7.434	43	912	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.405	88	5327	No Calib		
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	186	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	5.463	168	393711	40.0000000 ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	741250	40.0000000 ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	117101	40.0000000 ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	298513	40.0000000 ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	394394	40.0000000 ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	741250	40.0000000 ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	117101	40.0000000 ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	298513	40.0000000 ppb	0.00
System Monitoring Compounds					
30) DIBROMOFLUOROMETHANE	5.106	111	198142	40.7208020 ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 101.80%		
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	388803	41.1322479 ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.83%		
46) TOLUENE-D8	7.010	98	941016	41.3914659 ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.48%		
Spiked Amount 40.000	Range 75 - 128		Recovery = 103.15%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4072276	No Calib	
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
4) CHLOROMETHANE	0.000		0	N.D.	
5) VINYL CHLORIDE	0.000		0	N.D.	
6) BROMOMETHANE	0.000		0	N.D.	
7) CHLOROETHANE	0.000		0	N.D.	
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
9) ETHYL ETHER	0.000		0	N.D.	
10) ACROLEIN	0.000		0	N.D.	
11) 1,1-DICHLOROETHENE	0.000		0	N.D.	
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
13) ACETONE	3.730	43	5373	2.7703170 ppb	99
14) IODOMETHANE	3.306	142	815	N.D.	
15) CARBON DISULFIDE	3.200	76	312	N.D.	
16) METHYLENE CHLORIDE	3.685	84	371	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	4.534	43	372	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1360	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.438	78	565	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	5.888	130	282	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	358	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.058	91	2034	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.772	76	554	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	0.000		0	N.D.	
59) M&P-XYLENE	8.505	106	406	N.D.	
60) O-XYLENE	0.000		0	N.D.	
61) STYRENE	0.000		0	N.D.	
62) BROMOFORM	0.000		0	N.D.	
63) ISOPROPYLBENZENE	0.000		0	N.D.	
65) BROMOBENZENE	9.441	77	1974	N.D.	
66) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69) N-PROPYLBENZENE	9.560	91	277	N.D.	
70) 2-CHLOROTOLUENE	0.000		0	N.D.	
71) 4-CHLOROTOLUENE	0.000		0	N.D.	
72) 1,3,5-TRIMETHYLBENZENE	9.659	105	237	N.D.	
73) TERT-BUTYLBENZENE	0.000		0	N.D.	
74) 1,2,4-TRIMETHYLBENZENE	10.116	105	428	N.D.	
75) SEC-BUTYLBENZENE	10.116	105	428	N.D.	
76) 1,3-DICHLOROBENZENE	10.527	146	266	N.D.	
77) P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79) 1,4-DICHLOROBENZENE	10.527	146	417	N.D.	
80) 1,2,3-TRIMETHYLBENZENE	10.540	105	293	N.D.	
81) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
82) N-BUTYLBENZENE	0.000		0	N.D.	
83) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86) NAPHTHALENE	12.794	128	1009	N.D.	
87) 1,2,3-TRICHLOROBENZENE	12.981	180	221	N.D.	
88) 1-METHYLNAPHTHALENE	13.903	142	510	N.D.	
89) 2-METHYLNAPHTHALENE	14.074	142	444	N.D.	
91) ETHANOL	0.000		0	N.D.	
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.833	43	526	No Calib	#
94) ACETONITRILE	0.000		0	N.D.	
95) ALLYL CHLORIDE	0.000		0	N.D.	
96) TERT-BUTYL ALCOHOL	3.984	59	355	No Calib	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

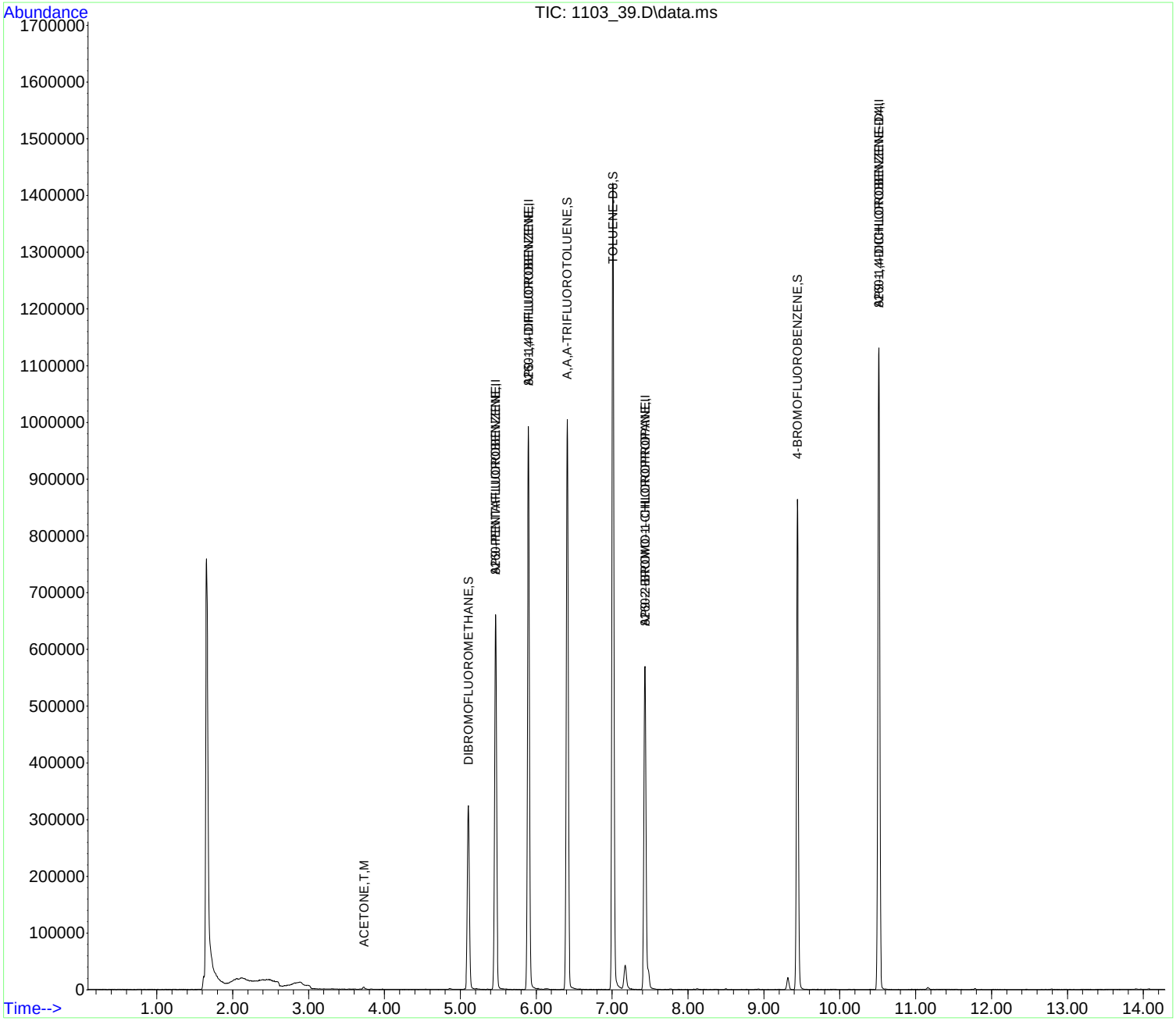
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.058	43	1074	No Calib		#
101)	METHACRYLONITRILE	5.466	67	1278	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.470	43	513	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.466	73	460	No Calib		#
108)	N-BUTANOL	6.122	56	430	No Calib		#
109)	METHYL CYCLOHEXANE	5.897	83	9630	No Calib		#
110)	2-NITROPROPANE	7.434	43	912	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.405	88	5327	No Calib		
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	186	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_39.D
Acq On : 4 Nov 2011 1:54 am
Operator : 209
Sample : L544884-09 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 39 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:18 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	5.463	168	394606	40.0000000 ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	743591	40.0000000 ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	113860	40.0000000 ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	291249	40.0000000 ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	394981	40.0000000 ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	743591	40.0000000 ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	113860	40.0000000 ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	291249	40.0000000 ppb	0.00
System Monitoring Compounds					
30) DIBROMOFLUOROMETHANE	5.106	111	199071	40.8189325 ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.05%		
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	391221	41.2577536 ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.14%		
46) TOLUENE-D8	7.010	98	944642	41.4201467 ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.55%		
Spiked Amount 40.000	Range 75 - 128		Recovery = 105.86%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3957723	No Calib	
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
4) CHLOROMETHANE	2.023	50	245	N.D.	
5) VINYL CHLORIDE	0.000		0	N.D.	
6) BROMOMETHANE	0.000		0	N.D.	
7) CHLOROETHANE	0.000		0	N.D.	
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
9) ETHYL ETHER	0.000		0	N.D.	
10) ACROLEIN	0.000		0	N.D.	
11) 1,1-DICHLOROETHENE	0.000		0	N.D.	
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
13) ACETONE	3.724	43	2941	1.5129393 ppb	92
14) IODOMETHANE	3.303	142	743	N.D.	
15) CARBON DISULFIDE	3.200	76	302	N.D.	
16) METHYLENE CHLORIDE	3.676	84	423	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	4.521	43	240	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	4.962	83	8243	0.7924043 ppb	98
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1443	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.431	78	519	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	5.885	130	232	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.341	83	2758	0.3856293 ppb #	96
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1719	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.766	76	423	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	7.682	129	458	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	8.354	112	235	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.492	106	372	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.437	77	1941	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.556	91	177	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.122	105	302	N.D.	
75)	SEC-BUTYLBENZENE	10.122	105	302	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.531	146	421	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.791	128	891	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.897	142	344	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.119	45	915	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.836	43	549	No Calib	#
94)	ACETONITRILE	4.119	41	490	No Calib	#
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

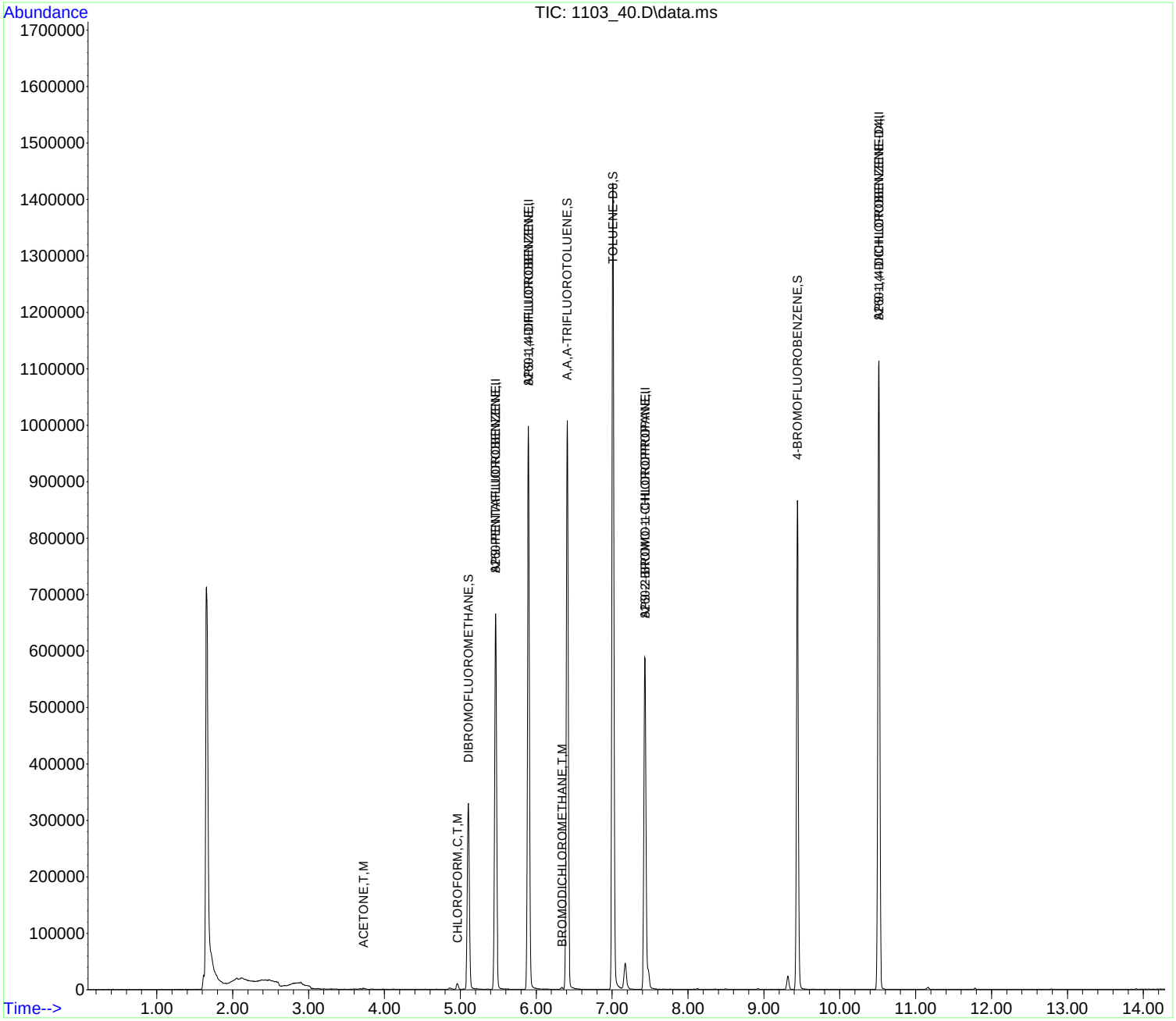
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.061	43	1345	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1377	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.467	43	696	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.460	73	296	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	9779	No Calib		#
110)	2-NITROPROPANE	7.431	43	813	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.405	88	5173	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	257	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	394606	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	743591	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	113860	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	291249	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	394981	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	743591	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	113860	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	291249	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	199071	40.8189325	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.05%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	391221	41.2577536	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.14%			
46) TOLUENE-D8	7.010	98	944642	41.4201467	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.55%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 105.86%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3957723	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	2.023	50	245	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	0.000		0	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.724	43	2941	1.5129393	ppb	92
14) IODOMETHANE	3.303	142	743	N.D.		
15) CARBON DISULFIDE	3.200	76	302	N.D.		
16) METHYLENE CHLORIDE	3.676	84	423	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	0.000		0	N.D.			
18)	n-HEXANE	0.000		0	N.D.			
19)	TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.			
20)	METHYL TERT-BUTYL ETHER	0.000		0	N.D.			
21)	1,1-DICHLOROETHANE	0.000		0	N.D.			
22)	VINYL ACETATE	4.521	43	240	N.D.			
23)	DI-ISOPROPYL ETHER	0.000		0	N.D.			
24)	2,2-DICHLOROPROPANE	0.000		0	N.D.			
25)	CIS-1,2-DICHLOROETHENE	0.000		0	N.D.			
26)	2-BUTANONE (MEK)	0.000		0	N.D.			
27)	BROMOCHLOROMETHANE	0.000		0	N.D.			
28)	TETRAHYDROFURAN	0.000		0	N.D.			
29)	CHLOROFORM	4.962	83	8243	0.7924043	ppb		98
31)	1,1,1-TRICHLOROETHANE	0.000		0	N.D.			
32)	CARBON TETRACHLORIDE	5.100	117	1443	N.D.			
33)	1,1-DICHLOROPROPENE	0.000		0	N.D.			
34)	2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.			
35)	BENZENE	5.431	78	519	N.D.			
36)	1,2-DICHLOROETHANE	0.000		0	N.D.			
38)	TRICHLOROETHENE	5.885	130	232	N.D.			
39)	1,2-DICHLOROPROPANE	0.000		0	N.D.			
40)	DIBROMOMETHANE	0.000		0	N.D.			
41)	BROMODICHLOROMETHANE	6.341	83	2758	0.3856293	ppb	#	96
43)	2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.			
44)	CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.			
45)	4-METHYL-2-PENTANONE (...	0.000		0	N.D.			
47)	TOLUENE	7.055	91	1719	N.D.			
48)	TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.			
50)	1,1,2-TRICHLOROETHANE	0.000		0	N.D.			
51)	TETRACHLOROETHENE	0.000		0	N.D.			
52)	1,3-DICHLOROPROPANE	7.766	76	423	N.D.			
53)	2-HEXANONE	0.000		0	N.D.			
54)	CHLORODIBROMOMETHANE	7.682	129	458	N.D.			
55)	1,2-DIBROMOETHANE	0.000		0	N.D.			
56)	CHLOROBENZENE	8.354	112	235	N.D.			
57)	1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.492	106	372	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.437	77	1941	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.556	91	177	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.122	105	302	N.D.	
75)	SEC-BUTYLBENZENE	10.122	105	302	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.531	146	421	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.791	128	891	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.897	142	344	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.119	45	915	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.836	43	549	No Calib	#
94)	ACETONITRILE	4.119	41	490	No Calib	#
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

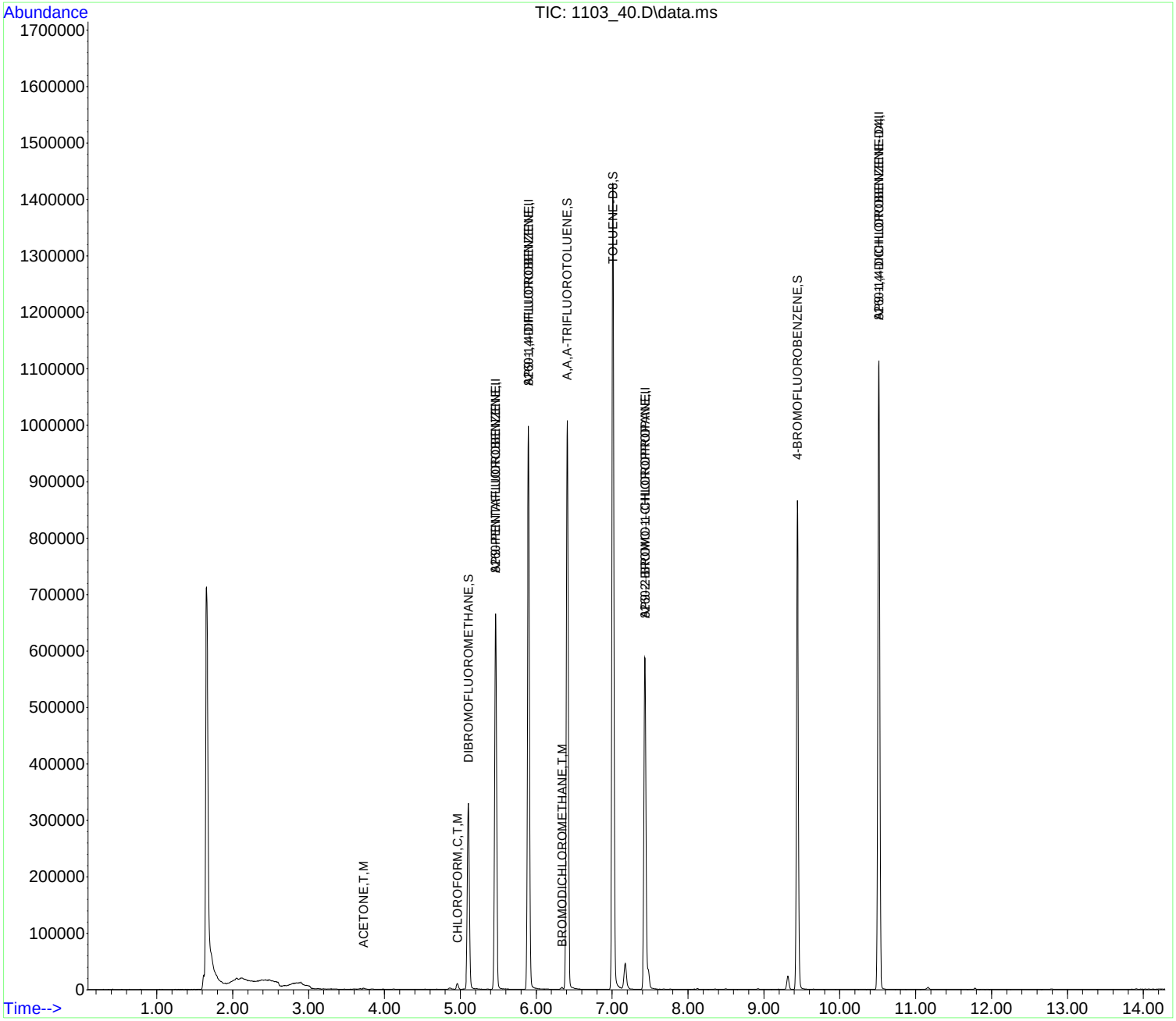
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.061	43	1345	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1377	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.467	43	696	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.460	73	296	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	9779	No Calib		#
110)	2-NITROPROPANE	7.431	43	813	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.405	88	5173	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	257	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_40.D
Acq On : 4 Nov 2011 2:15 am
Operator : 209
Sample : L544884-08 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 40 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:21 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	376897	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	710606	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	113375	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	283618	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	377681	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	710606	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	113375	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	283618	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	191769	41.1692592	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.92%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	373787	41.2489470	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.12%			
46) TOLUENE-D8	7.010	98	904137	41.4843107	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.71%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 102.42%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3862774	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	0.000		0	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	2748	1.4800767	ppb #	87
14) IODOMETHANE	3.312	142	593	N.D.		
15) CARBON DISULFIDE	3.203	76	385	N.D.		
16) METHYLENE CHLORIDE	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	5.213	72	210	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.097	117	1296	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.431	78	339	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	290	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1240	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.765	76	423	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.502	106	267	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	1684	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.556	91	207	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.116	105	307	N.D.	
75)	SEC-BUTYLBENZENE	10.116	105	307	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.531	146	269	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.553	105	194	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.794	128	765	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.903	142	188	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.116	45	4525	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.836	43	669	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.981	59	243	No Calib	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

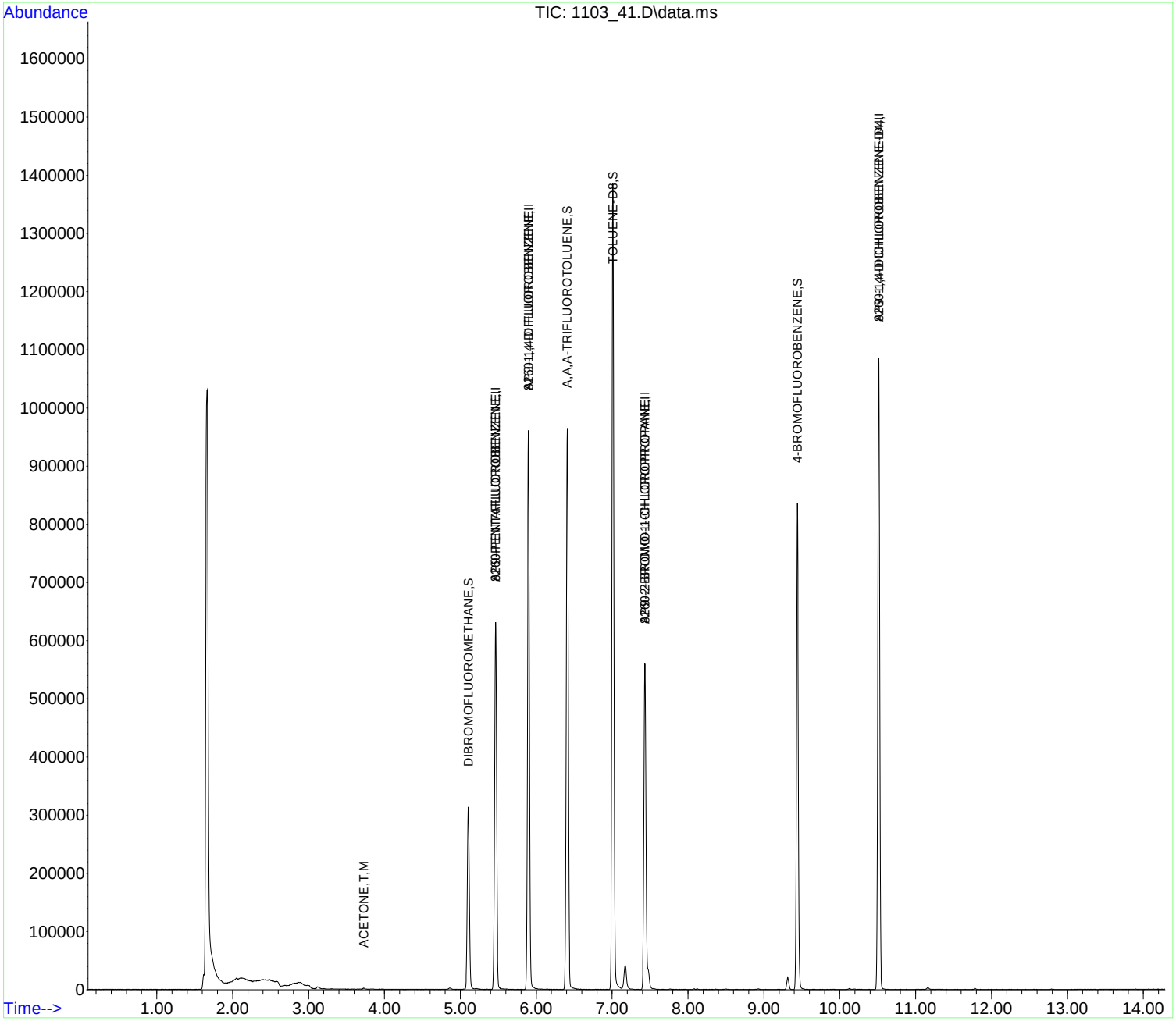
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.058	43	1209	No Calib		#
101)	METHACRYLONITRILE	5.467	67	1100	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.463	43	649	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.457	73	304	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	9477	No Calib		#
110)	2-NITROPROPANE	7.428	43	905	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5121	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	268	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	376897	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	710606	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	113375	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	283618	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	377681	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	710606	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	113375	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	283618	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	191769	41.1692592	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.92%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	373787	41.2489470	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.12%			
46) TOLUENE-D8	7.010	98	904137	41.4843107	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.71%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 102.42%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3862774	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	0.000		0	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	2748	1.4800767	ppb #	87
14) IODOMETHANE	3.312	142	593	N.D.		
15) CARBON DISULFIDE	3.203	76	385	N.D.		
16) METHYLENE CHLORIDE	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	5.213	72	210	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.097	117	1296	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.431	78	339	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	290	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1240	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.765	76	423	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.502	106	267	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	1684	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.556	91	207	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.116	105	307	N.D.	
75)	SEC-BUTYLBENZENE	10.116	105	307	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.531	146	269	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.553	105	194	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.794	128	765	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.903	142	188	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.116	45	4525	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.836	43	669	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.981	59	243	No Calib	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

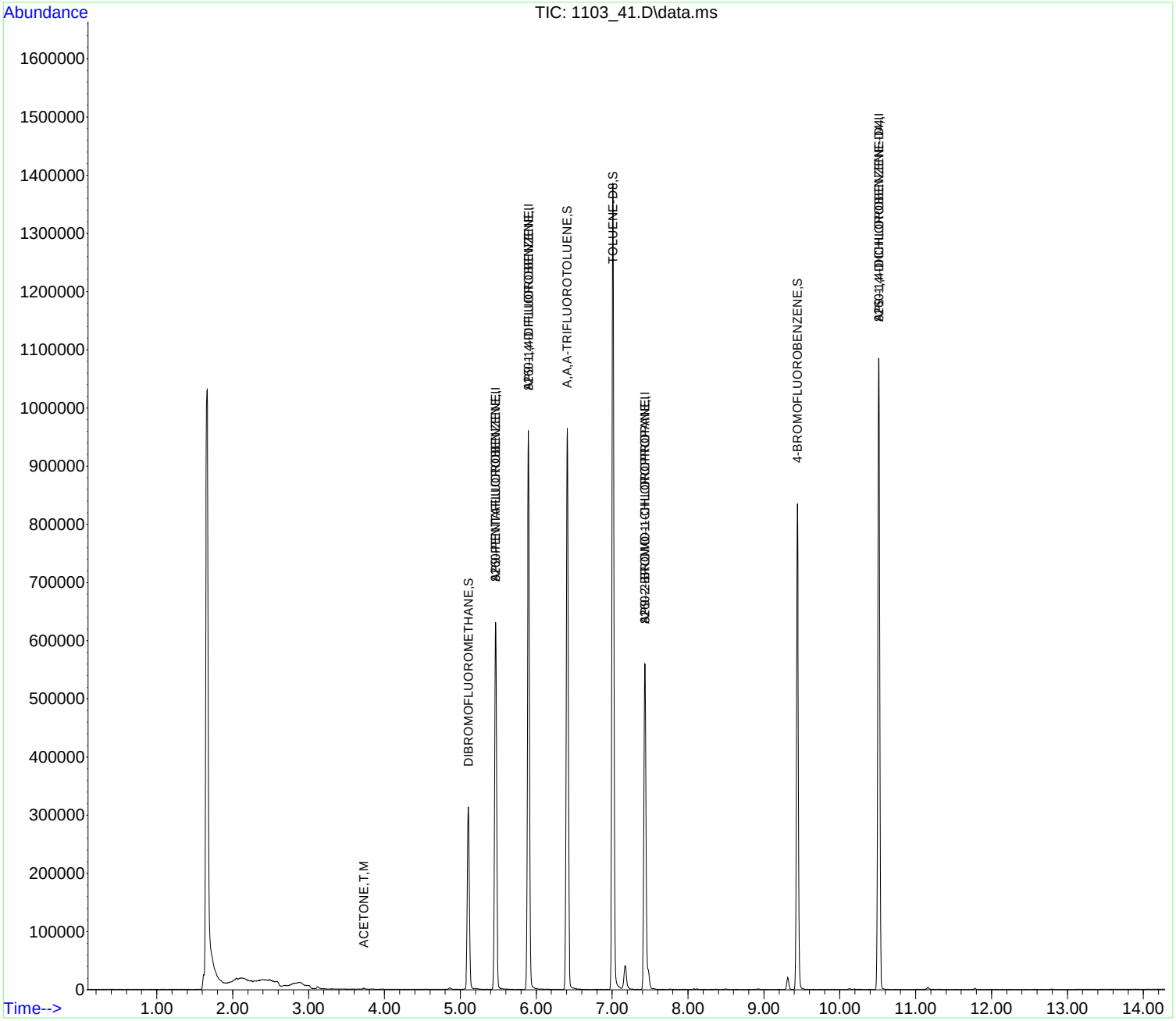
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.058	43	1209	No Calib		#
101)	METHACRYLONITRILE	5.467	67	1100	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.463	43	649	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.457	73	304	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	9477	No Calib		#
110)	2-NITROPROPANE	7.428	43	905	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5121	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	268	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_41.D
Acq On : 4 Nov 2011 2:37 am
Operator : 209
Sample : L544884-01 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 41 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:24 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_42.D
Acq On : 4 Nov 2011 2:58 am
Operator : 209
Sample : L544884-02 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 42 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	374743	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	708887	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	113156	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	290807	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	374743	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	708887	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	113156	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	290807	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	188933	40.7935613	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 101.98%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	369781	40.9058220	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.26%			
46) TOLUENE-D8	7.010	98	901649	41.4704740	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.68%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 102.42%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3892799	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	0.000		0	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.724	43	2921	1.5822977	ppb	95
14) IODOMETHANE	3.299	142	622	N.D.		
15) CARBON DISULFIDE	3.203	76	448	N.D.		
16) METHYLENE CHLORIDE	3.679	84	161	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_42.D
Acq On : 4 Nov 2011 2:58 am
Operator : 209
Sample : L544884-02 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 42 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1348	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.434	78	385	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	5.881	130	157	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.405	83	337	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.058	91	2611	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.766	76	396	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

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ALS Vial : 42 Sample Multiplier: 1
InstName : VOCMS22

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QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.492	106	280	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	1882	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	0.000		0	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.116	105	227	N.D.	
75)	SEC-BUTYLBENZENE	10.116	105	227	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	0.000		0	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.553	105	197	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.794	128	760	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.907	142	293	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.119	45	959	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	450	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

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Misc : water ISSURR10G08815
ALS Vial : 42 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.052	43	1571	No Calib		#
101)	METHACRYLONITRILE	5.460	67	1229	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.460	43	651	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.		
108)	N-BUTANOL	6.126	56	863	No Calib		#
109)	METHYL CYCLOHEXANE	5.897	83	9101	No Calib		#
110)	2-NITROPROPANE	7.431	43	940	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5008	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	270	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : 209
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InstName : VOCMS22

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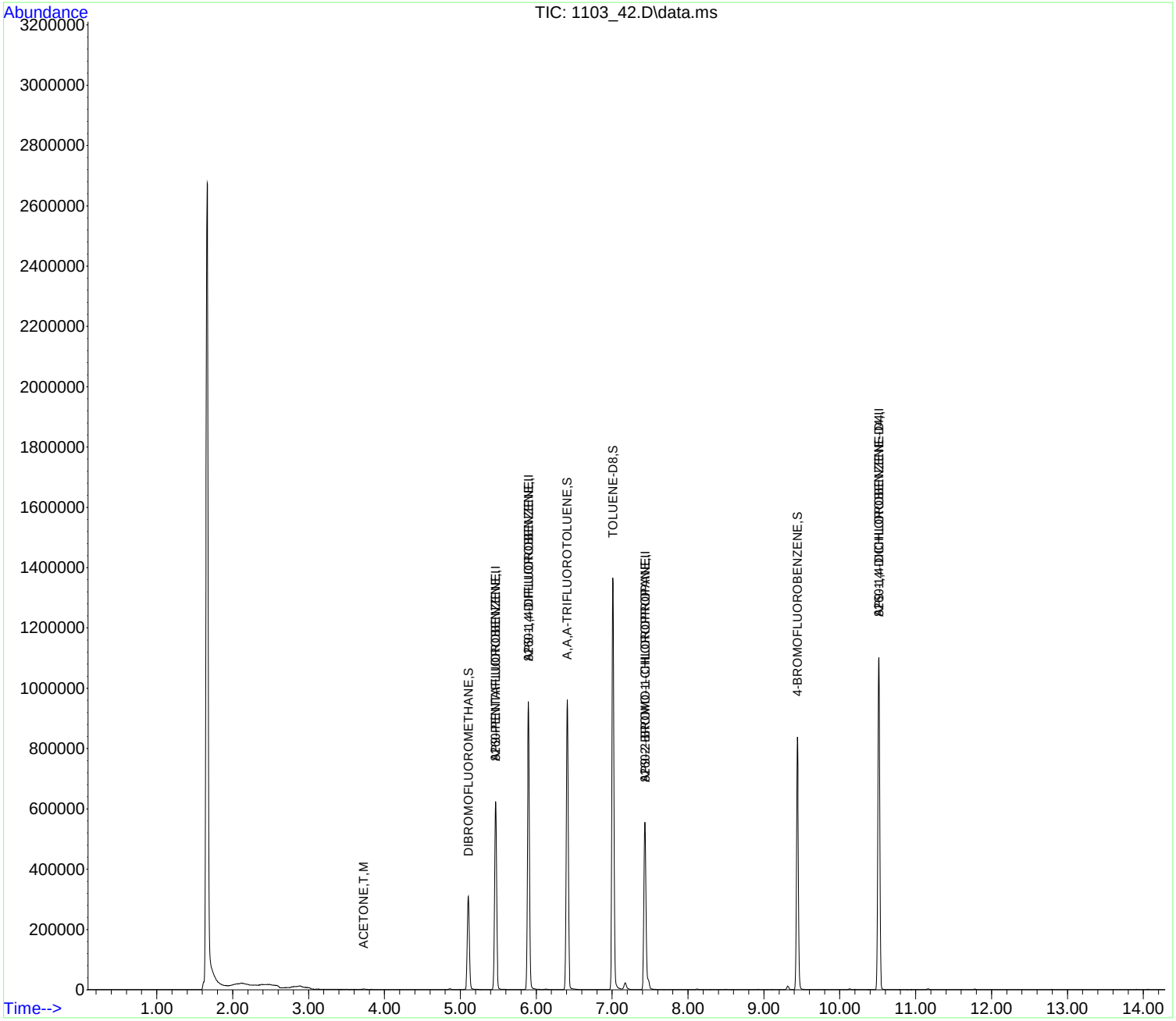
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



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Acq On : 4 Nov 2011 2:58 am
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Quant Time: Nov 07 15:17:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	374743	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	708887	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	113156	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	290807	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	374743	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	708887	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	113156	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	290807	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	188933	40.7935613	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 101.98%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	369781	40.9058220	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.26%			
46) TOLUENE-D8	7.010	98	901649	41.4704740	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.68%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 102.42%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3892799	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	0.000		0	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.724	43	2921	1.5822977	ppb	95
14) IODOMETHANE	3.299	142	622	N.D.		
15) CARBON DISULFIDE	3.203	76	448	N.D.		
16) METHYLENE CHLORIDE	3.679	84	161	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_42.D
Acq On : 4 Nov 2011 2:58 am
Operator : 209
Sample : L544884-02 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 42 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17)	ACRYLONITRILE	0.000		0	N.D.	
18)	n-HEXANE	0.000		0	N.D.	
19)	TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20)	METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21)	1,1-DICHLOROETHANE	0.000		0	N.D.	
22)	VINYL ACETATE	0.000		0	N.D.	
23)	DI-ISOPROPYL ETHER	0.000		0	N.D.	
24)	2,2-DICHLOROPROPANE	0.000		0	N.D.	
25)	CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26)	2-BUTANONE (MEK)	0.000		0	N.D.	
27)	BROMOCHLOROMETHANE	0.000		0	N.D.	
28)	TETRAHYDROFURAN	0.000		0	N.D.	
29)	CHLOROFORM	0.000		0	N.D.	
31)	1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32)	CARBON TETRACHLORIDE	5.100	117	1348	N.D.	
33)	1,1-DICHLOROPROPENE	0.000		0	N.D.	
34)	2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35)	BENZENE	5.434	78	385	N.D.	
36)	1,2-DICHLOROETHANE	0.000		0	N.D.	
38)	TRICHLOROETHENE	5.881	130	157	N.D.	
39)	1,2-DICHLOROPROPANE	0.000		0	N.D.	
40)	DIBROMOMETHANE	0.000		0	N.D.	
41)	BROMODICHLOROMETHANE	6.405	83	337	N.D.	
43)	2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44)	CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45)	4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47)	TOLUENE	7.058	91	2611	N.D.	
48)	TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50)	1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51)	TETRACHLOROETHENE	0.000		0	N.D.	
52)	1,3-DICHLOROPROPANE	7.766	76	396	N.D.	
53)	2-HEXANONE	0.000		0	N.D.	
54)	CHLORODIBROMOMETHANE	0.000		0	N.D.	
55)	1,2-DIBROMOETHANE	0.000		0	N.D.	
56)	CHLOROBENZENE	0.000		0	N.D.	
57)	1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	0.000		0	N.D.	
59) M&P-XYLENE	8.492	106	280	N.D.	
60) O-XYLENE	0.000		0	N.D.	
61) STYRENE	0.000		0	N.D.	
62) BROMOFORM	0.000		0	N.D.	
63) ISOPROPYLBENZENE	0.000		0	N.D.	
65) BROMOBENZENE	9.441	77	1882	N.D.	
66) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69) N-PROPYLBENZENE	0.000		0	N.D.	
70) 2-CHLOROTOLUENE	0.000		0	N.D.	
71) 4-CHLOROTOLUENE	0.000		0	N.D.	
72) 1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73) TERT-BUTYLBENZENE	0.000		0	N.D.	
74) 1,2,4-TRIMETHYLBENZENE	10.116	105	227	N.D.	
75) SEC-BUTYLBENZENE	10.116	105	227	N.D.	
76) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
77) P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79) 1,4-DICHLOROBENZENE	0.000		0	N.D.	
80) 1,2,3-TRIMETHYLBENZENE	10.553	105	197	N.D.	
81) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
82) N-BUTYLBENZENE	0.000		0	N.D.	
83) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86) NAPHTHALENE	12.794	128	760	N.D.	
87) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88) 1-METHYLNAPHTHALENE	13.907	142	293	N.D.	
89) 2-METHYLNAPHTHALENE	0.000		0	N.D.	
91) ETHANOL	3.119	45	959	No Calib	#
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.827	43	450	No Calib	#
94) ACETONITRILE	0.000		0	N.D.	
95) ALLYL CHLORIDE	0.000		0	N.D.	
96) TERT-BUTYL ALCOHOL	0.000		0	N.D.	

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InstName : VOCMS22

Quant Time: Nov 07 15:17:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

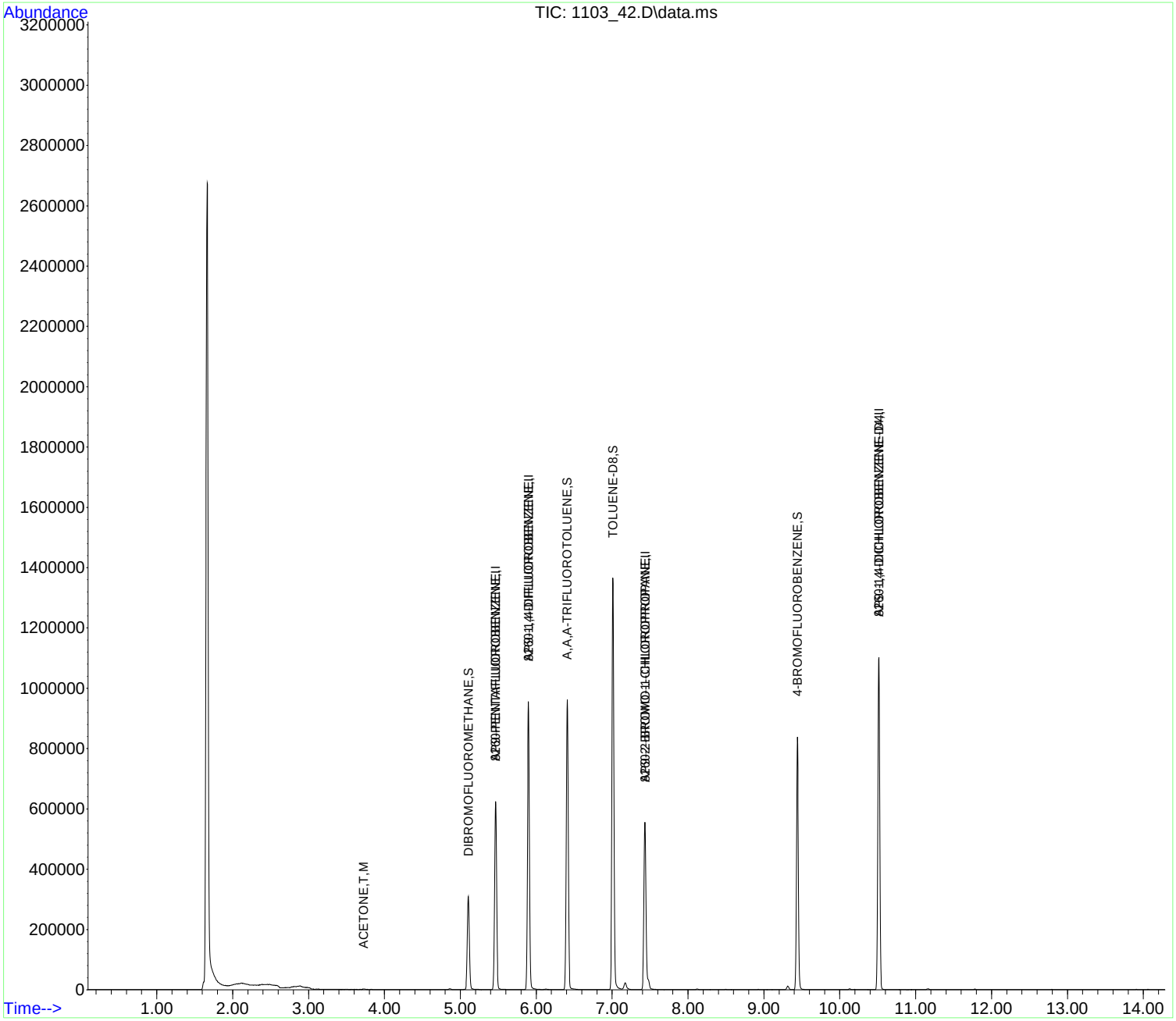
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.052	43	1571	No Calib		#
101)	METHACRYLONITRILE	5.460	67	1229	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.460	43	651	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.		
108)	N-BUTANOL	6.126	56	863	No Calib		#
109)	METHYL CYCLOHEXANE	5.897	83	9101	No Calib		#
110)	2-NITROPROPANE	7.431	43	940	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5008	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	270	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_42.D
Acq On : 4 Nov 2011 2:58 am
Operator : 209
Sample : L544884-02 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 42 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_43.D
Acq On : 4 Nov 2011 3:20 am
Operator : 209
Sample : L544884-03 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 43 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.466	168	367765	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	686298	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	109718	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	274413	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.466	168	368623	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	686298	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	109718	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	274413	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	184974	40.6965526	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 101.74%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	364117	41.6050230	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 104.01%			
46) TOLUENE-D8	7.010	98	870554	41.3581866	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.40%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 101.50%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3787923	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	2.107	62	2576	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	2.563	64	171	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.730	43	3004	1.6581343	ppb	99
14) IODOMETHANE	3.303	142	326	N.D.		
15) CARBON DISULFIDE	3.196	76	545	N.D.		
16) METHYLENE CHLORIDE	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_43.D
Acq On : 4 Nov 2011 3:20 am
Operator : 209
Sample : L544884-03 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 43 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	4.759	96	743	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.097	117	1285	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.431	78	1336	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	272	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.052	91	3689	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.765	76	358	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_43.D
Acq On : 4 Nov 2011 3:20 am
Operator : 209
Sample : L544884-03 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 43 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.499	106	309	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	1534	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	0.000		0	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.125	105	360	N.D.	
75)	SEC-BUTYLBENZENE	10.125	105	360	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	0.000		0	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.788	128	638	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.900	142	281	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.113	45	1059	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	394	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.978	59	293	No Calib	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

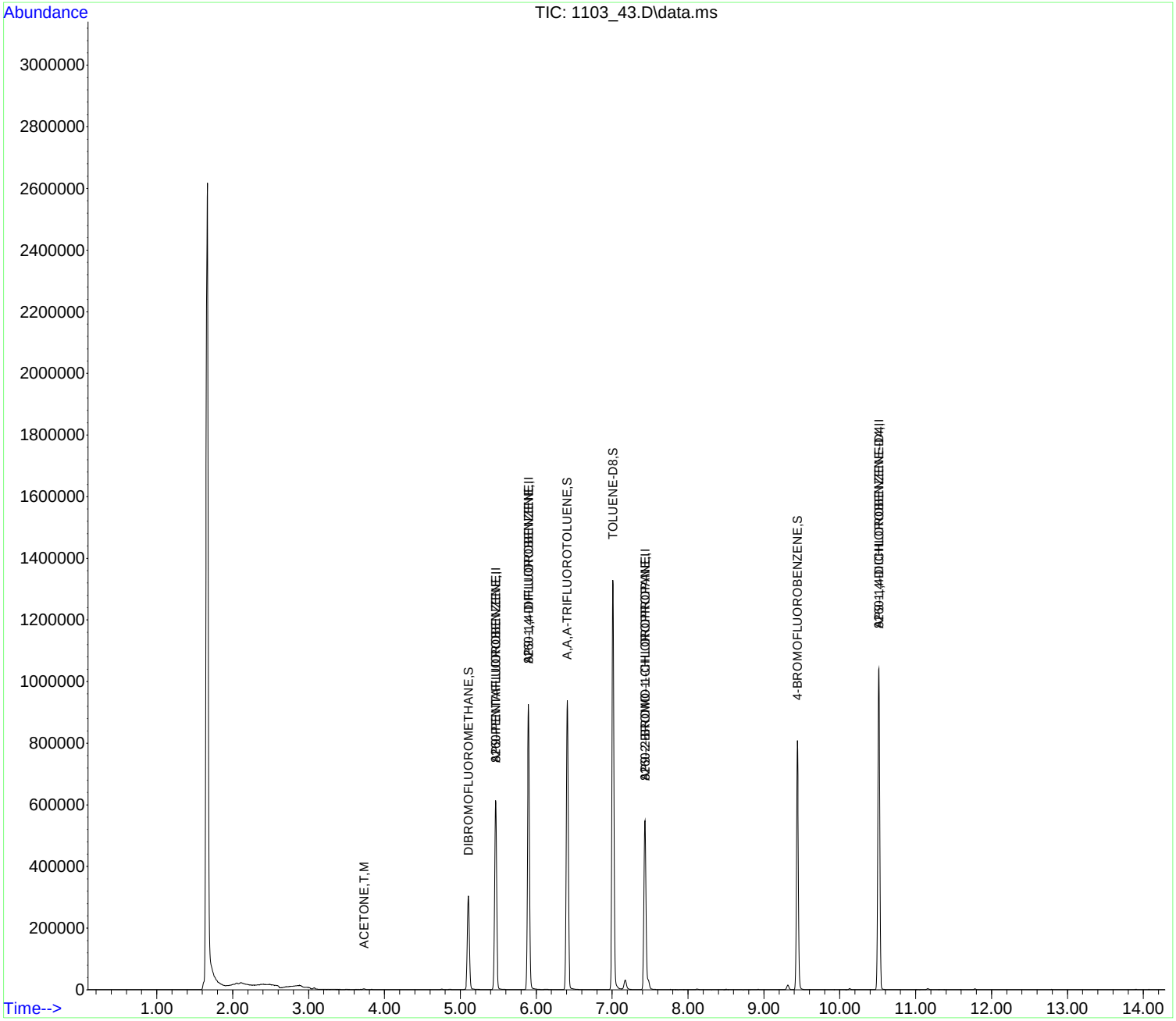
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.055	43	1117	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1170	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.460	43	556	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.466	73	336	No Calib		#
108)	N-BUTANOL	6.116	56	597	No Calib		#
109)	METHYL CYCLOHEXANE	5.897	83	9451	No Calib		#
110)	2-NITROPROPANE	7.431	43	899	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.412	88	4827	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.		
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_43.D
Acq On : 4 Nov 2011 3:20 am
Operator : 209
Sample : L544884-03 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 43 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_43.D
Acq On : 4 Nov 2011 3:20 am
Operator : 209
Sample : L544884-03 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 43 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.466	168	367765	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	686298	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	109718	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	274413	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.466	168	368623	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	686298	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	109718	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	274413	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	184974	40.6965526	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 101.74%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	364117	41.6050230	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 104.01%			
46) TOLUENE-D8	7.010	98	870554	41.3581866	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.40%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 101.50%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3787923	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	2.107	62	2576	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	2.563	64	171	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.730	43	3004	1.6581343	ppb	99
14) IODOMETHANE	3.303	142	326	N.D.		
15) CARBON DISULFIDE	3.196	76	545	N.D.		
16) METHYLENE CHLORIDE	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_43.D
Acq On : 4 Nov 2011 3:20 am
Operator : 209
Sample : L544884-03 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 43 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17)	ACRYLONITRILE	0.000		0	N.D.	
18)	n-HEXANE	0.000		0	N.D.	
19)	TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20)	METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21)	1,1-DICHLOROETHANE	0.000		0	N.D.	
22)	VINYL ACETATE	0.000		0	N.D.	
23)	DI-ISOPROPYL ETHER	0.000		0	N.D.	
24)	2,2-DICHLOROPROPANE	0.000		0	N.D.	
25)	CIS-1,2-DICHLOROETHENE	4.759	96	743	N.D.	
26)	2-BUTANONE (MEK)	0.000		0	N.D.	
27)	BROMOCHLOROMETHANE	0.000		0	N.D.	
28)	TETRAHYDROFURAN	0.000		0	N.D.	
29)	CHLOROFORM	0.000		0	N.D.	
31)	1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32)	CARBON TETRACHLORIDE	5.097	117	1285	N.D.	
33)	1,1-DICHLOROPROPENE	0.000		0	N.D.	
34)	2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35)	BENZENE	5.431	78	1336	N.D.	
36)	1,2-DICHLOROETHANE	0.000		0	N.D.	
38)	TRICHLOROETHENE	0.000		0	N.D.	
39)	1,2-DICHLOROPROPANE	0.000		0	N.D.	
40)	DIBROMOMETHANE	0.000		0	N.D.	
41)	BROMODICHLOROMETHANE	6.412	83	272	N.D.	
43)	2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44)	CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45)	4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47)	TOLUENE	7.052	91	3689	N.D.	
48)	TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50)	1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51)	TETRACHLOROETHENE	0.000		0	N.D.	
52)	1,3-DICHLOROPROPANE	7.765	76	358	N.D.	
53)	2-HEXANONE	0.000		0	N.D.	
54)	CHLORODIBROMOMETHANE	0.000		0	N.D.	
55)	1,2-DIBROMOETHANE	0.000		0	N.D.	
56)	CHLOROBENZENE	0.000		0	N.D.	
57)	1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_43.D
Acq On : 4 Nov 2011 3:20 am
Operator : 209
Sample : L544884-03 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 43 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.499	106	309	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	1534	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	0.000		0	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.125	105	360	N.D.	
75)	SEC-BUTYLBENZENE	10.125	105	360	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	0.000		0	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.788	128	638	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.900	142	281	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.113	45	1059	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	394	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.978	59	293	No Calib	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_43.D
Acq On : 4 Nov 2011 3:20 am
Operator : 209
Sample : L544884-03 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 43 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

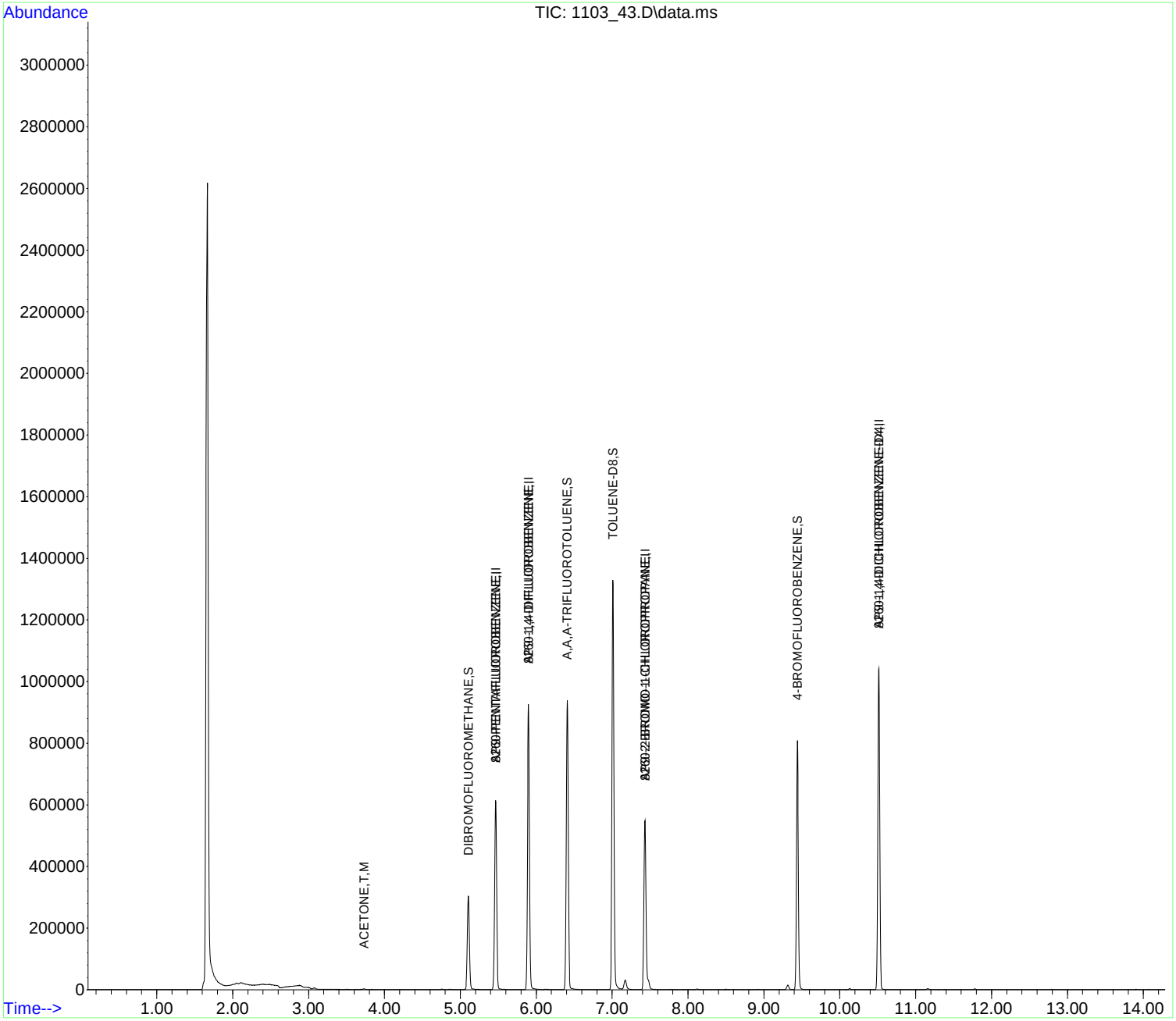
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.055	43	1117	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1170	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.460	43	556	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.466	73	336	No Calib		#
108)	N-BUTANOL	6.116	56	597	No Calib		#
109)	METHYL CYCLOHEXANE	5.897	83	9451	No Calib		#
110)	2-NITROPROPANE	7.431	43	899	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.412	88	4827	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.		
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_43.D
Acq On : 4 Nov 2011 3:20 am
Operator : 209
Sample : L544884-03 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 43 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_44.D
Acq On : 4 Nov 2011 3:41 am
Operator : 209
Sample : L544884-04 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 44 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:33 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 8260-PENTAFLUOROBENZENE	5.463	168	11690	40.0000000	ppb		0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	19537	40.0000000	ppb		0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	2720	40.0000000	ppb	#	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	2588	40.0000000	ppb		0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	11690	40.0000000	ppb		0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	19537	40.0000000	ppb		0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	2720	40.0000000	ppb	#	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	2588	40.0000000	ppb		0.00
System Monitoring Compounds							
30) DIBROMOFLUOROMETHANE	5.103	111	6080	42.0829715	ppb		0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 105.21%				
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	10412	41.7920646	ppb		0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 104.48%				
46) TOLUENE-D8	7.013	98	22730	37.9332511	ppb		0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 94.83%				
Spiked Amount 40.000	Range 75 - 128		Recovery = 67.78%#				
Target Compounds							Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-114600	No Calib			
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.			
4) CHLOROMETHANE	0.000		0	N.D.			
5) VINYL CHLORIDE	0.000		0	N.D.			
6) BROMOMETHANE	0.000		0	N.D.			
7) CHLOROETHANE	2.553	64	289	1.6405045	ppb	#	48
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.			
9) ETHYL ETHER	0.000		0	N.D.			
10) ACROLEIN	0.000		0	N.D.			
11) 1,1-DICHLOROETHENE	0.000		0	N.D.			
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.			
13) ACETONE	3.711	43	305	5.2963356	ppb	#	43
14) IODOMETHANE	3.299	142	496	2.7060378	ppb	#	43
15) CARBON DISULFIDE	0.000		0	N.D.			
16) METHYLENE CHLORIDE	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_44.D
Acq On : 4 Nov 2011 3:41 am
Operator : 209
Sample : L544884-04 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 44 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:33 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	0.000		0	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	0.000		0	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	0.000		0	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	0.000		0	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	0.000		0	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_44.D
Acq On : 4 Nov 2011 3:41 am
Operator : 209
Sample : L544884-04 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 44 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:33 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	0.000		0	N.D.	
59) M&P-XYLENE	0.000		0	N.D.	
60) O-XYLENE	0.000		0	N.D.	
61) STYRENE	0.000		0	N.D.	
62) BROMOFORM	0.000		0	N.D.	
63) ISOPROPYLBENZENE	0.000		0	N.D.	
65) BROMOBENZENE	0.000		0	N.D.	
66) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69) N-PROPYLBENZENE	0.000		0	N.D.	
70) 2-CHLOROTOLUENE	0.000		0	N.D.	
71) 4-CHLOROTOLUENE	0.000		0	N.D.	
72) 1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73) TERT-BUTYLBENZENE	0.000		0	N.D.	
74) 1,2,4-TRIMETHYLBENZENE	0.000		0	N.D.	
75) SEC-BUTYLBENZENE	0.000		0	N.D.	
76) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
77) P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79) 1,4-DICHLOROBENZENE	0.000		0	N.D.	
80) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
82) N-BUTYLBENZENE	0.000		0	N.D.	
83) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86) NAPHTHALENE	0.000		0	N.D.	
87) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88) 1-METHYLNAPHTHALENE	0.000		0	N.D.	
89) 2-METHYLNAPHTHALENE	0.000		0	N.D.	
91) ETHANOL	0.000		0	N.D.	
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	0.000		0	N.D.	
94) ACETONITRILE	0.000		0	N.D.	
95) ALLYL CHLORIDE	0.000		0	N.D.	
96) TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_44.D
Acq On : 4 Nov 2011 3:41 am
Operator : 209
Sample : L544884-04 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 44 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:33 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

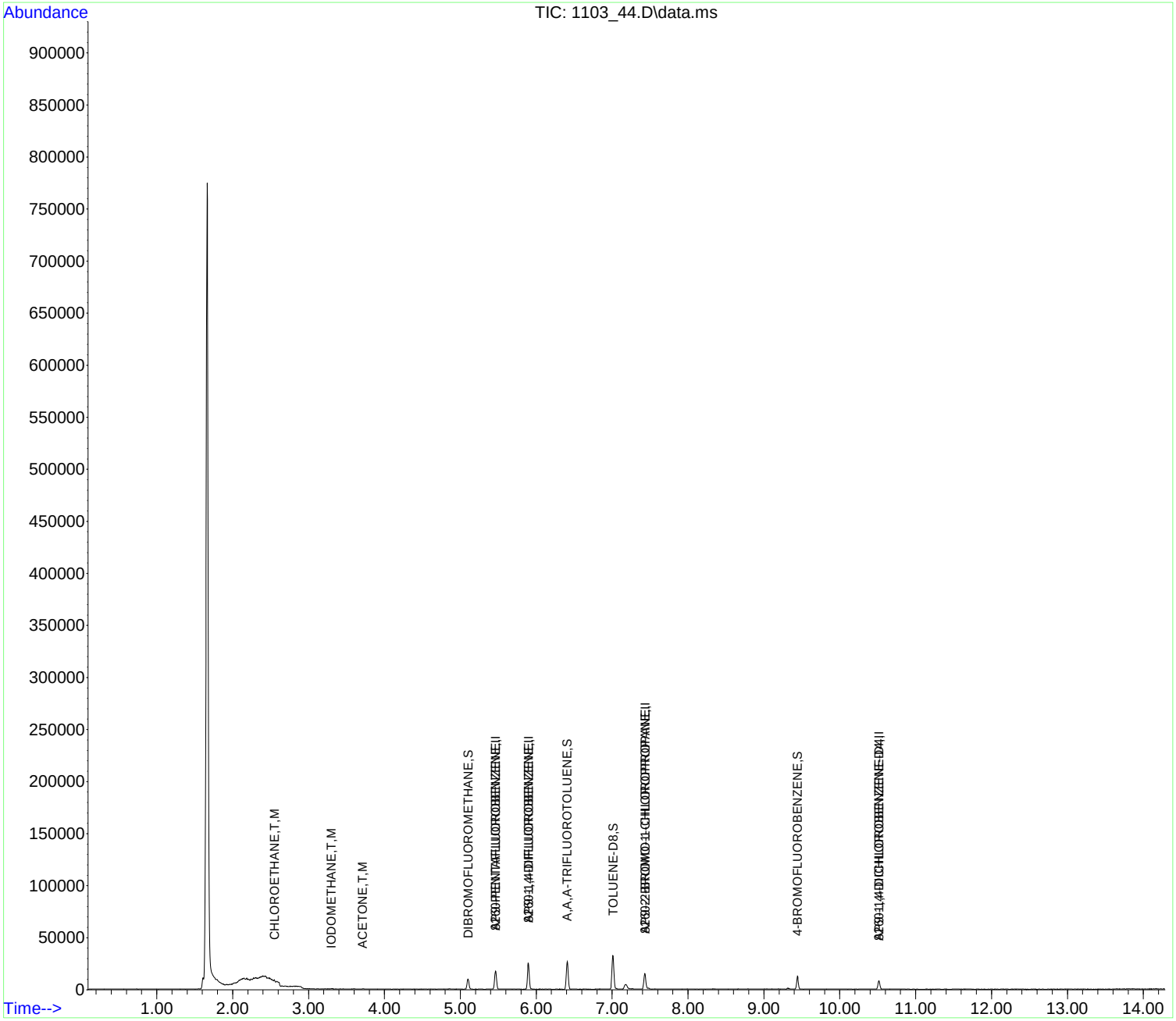
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	0.000		0	N.D.	
101)	METHACRYLONITRILE	0.000		0	N.D.	
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	0.000		0	N.D.	
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	
110)	2-NITROPROPANE	0.000		0	N.D.	
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	0.000		0	N.D.	
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	0.000		0	N.D.	
		0.000		0	N.D.	
120)	HEXACHLOROETHANE	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_44.D
Acq On : 4 Nov 2011 3:41 am
Operator : 209
Sample : L544884-04 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 44 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:33 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_45.D
Acq On : 4 Nov 2011 4:03 am
Operator : 209
Sample : L544884-05 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 45 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:36 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	367644	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	699389	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	114432	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	280170	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	367644	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.897	114	699389	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.434	79	114432	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.515	152	280170	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.106	111	191856	42.2245697	ppb	0.00
	Spiked Amount 40.000	Range 79 - 125		Recovery = 105.56%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	365317	40.9608188	ppb	0.00
	Spiked Amount 40.000	Range 84 - 114		Recovery = 102.40%			
46)	TOLUENE-D8	7.010	98	900184	41.9653644	ppb	0.00
	Spiked Amount 40.000	Range 87 - 114		Recovery = 104.91%			
	Spiked Amount 40.000	Range 75 - 128		Recovery = 100.61%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	-3768403	No Calib		
3)	DICHLORODIFLUOROMETHANE	1.817	85	402	N.D.		
4)	CHLOROMETHANE	0.000		0	N.D.		
5)	VINYL CHLORIDE	0.000		0	N.D.		
6)	BROMOMETHANE	0.000		0	N.D.		
7)	CHLOROETHANE	2.537	64	386	N.D.		
8)	TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9)	ETHYL ETHER	0.000		0	N.D.		
10)	ACROLEIN	0.000		0	N.D.		
11)	1,1-DICHLOROETHENE	0.000		0	N.D.		
12)	1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13)	ACETONE	3.730	43	2747	1.5167756	ppb #	88
14)	IODOMETHANE	3.309	142	486	N.D.		
15)	CARBON DISULFIDE	3.200	76	596	N.D.		
16)	METHYLENE CHLORIDE	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_45.D
Acq On : 4 Nov 2011 4:03 am
Operator : 209
Sample : L544884-05 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 45 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:36 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	0.000		0	N.D.			
18)	n-HEXANE	0.000		0	N.D.			
19)	TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.			
20)	METHYL TERT-BUTYL ETHER	0.000		0	N.D.			
21)	1,1-DICHLOROETHANE	0.000		0	N.D.			
22)	VINYL ACETATE	0.000		0	N.D.			
23)	DI-ISOPROPYL ETHER	0.000		0	N.D.			
24)	2,2-DICHLOROPROPANE	0.000		0	N.D.			
25)	CIS-1,2-DICHLOROETHENE	4.756	96	6128	1.0235629	ppb		96
26)	2-BUTANONE (MEK)	5.206	72	242	0.3385033	ppb	#	1
27)	BROMOCHLOROMETHANE	0.000		0	N.D.			
28)	TETRAHYDROFURAN	0.000		0	N.D.			
29)	CHLOROFORM	0.000		0	N.D.			
31)	1,1,1-TRICHLOROETHANE	0.000		0	N.D.			
32)	CARBON TETRACHLORIDE	5.094	117	1286	N.D.			
33)	1,1-DICHLOROPROPENE	0.000		0	N.D.			
34)	2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.			
35)	BENZENE	5.431	78	359	N.D.			
36)	1,2-DICHLOROETHANE	0.000		0	N.D.			
38)	TRICHLOROETHENE	5.885	130	3023	0.5154618	ppb	#	99
39)	1,2-DICHLOROPROPANE	0.000		0	N.D.			
40)	DIBROMOMETHANE	0.000		0	N.D.			
41)	BROMODICHLOROMETHANE	6.405	83	287	N.D.			
43)	2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.			
44)	CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.			
45)	4-METHYL-2-PENTANONE (...	0.000		0	N.D.			
47)	TOLUENE	7.055	91	8531	N.D.			
48)	TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.			
50)	1,1,2-TRICHLOROETHANE	0.000		0	N.D.			
51)	TETRACHLOROETHENE	0.000		0	N.D.			
52)	1,3-DICHLOROPROPANE	7.769	76	454	N.D.			
53)	2-HEXANONE	0.000		0	N.D.			
54)	CHLORODIBROMOMETHANE	0.000		0	N.D.			
55)	1,2-DIBROMOETHANE	0.000		0	N.D.			
56)	CHLOROBENZENE	0.000		0	N.D.			
57)	1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.			

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ALS Vial : 45 Sample Multiplier: 1
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QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.505	106	188	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.444	77	1683	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	0.000		0	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	294	N.D.	
75)	SEC-BUTYLBENZENE	10.119	105	294	N.D.	
76)	1,3-DICHLOROBENZENE	10.447	146	161	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.527	146	150	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.556	105	285	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.794	128	799	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	0.000		0	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.126	45	1002	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.833	43	399	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.061	43	948	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1175	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.470	43	551	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.467	73	295	No Calib		#
108)	N-BUTANOL	6.119	56	900	No Calib		#
109)	METHYL CYCLOHEXANE	5.897	83	9354	No Calib		#
110)	2-NITROPROPANE	7.431	43	949	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5042	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	333	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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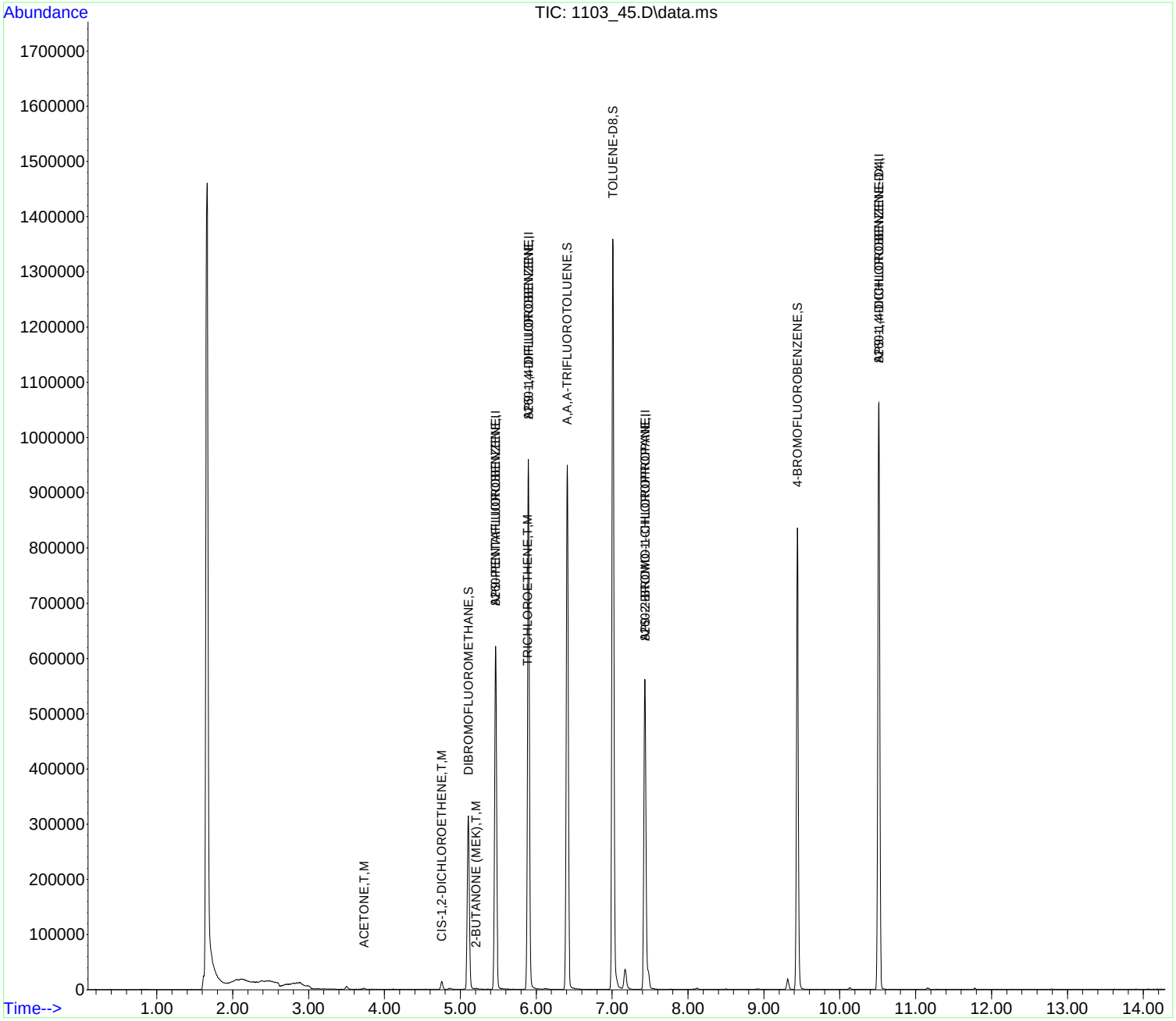

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	367644	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	699389	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	114432	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	280170	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	367644	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	699389	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	114432	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	280170	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	191856	42.2245697	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 105.56%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	365317	40.9608188	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.40%			
46) TOLUENE-D8	7.010	98	900184	41.9653644	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 104.91%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.61%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3768403	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	402	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	2.537	64	386	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.730	43	2747	1.5167756	ppb #	88
14) IODOMETHANE	3.309	142	486	N.D.		
15) CARBON DISULFIDE	3.200	76	596	N.D.		
16) METHYLENE CHLORIDE	0.000		0	N.D.		

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	0.000		0	N.D.			
18)	n-HEXANE	0.000		0	N.D.			
19)	TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.			
20)	METHYL TERT-BUTYL ETHER	0.000		0	N.D.			
21)	1,1-DICHLOROETHANE	0.000		0	N.D.			
22)	VINYL ACETATE	0.000		0	N.D.			
23)	DI-ISOPROPYL ETHER	0.000		0	N.D.			
24)	2,2-DICHLOROPROPANE	0.000		0	N.D.			
25)	CIS-1,2-DICHLOROETHENE	4.756	96	6128	1.0235629	ppb		96
26)	2-BUTANONE (MEK)	5.206	72	242	0.3385033	ppb	#	1
27)	BROMOCHLOROMETHANE	0.000		0	N.D.			
28)	TETRAHYDROFURAN	0.000		0	N.D.			
29)	CHLOROFORM	0.000		0	N.D.			
31)	1,1,1-TRICHLOROETHANE	0.000		0	N.D.			
32)	CARBON TETRACHLORIDE	5.094	117	1286	N.D.			
33)	1,1-DICHLOROPROPENE	0.000		0	N.D.			
34)	2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.			
35)	BENZENE	5.431	78	359	N.D.			
36)	1,2-DICHLOROETHANE	0.000		0	N.D.			
38)	TRICHLOROETHENE	5.885	130	3023	0.5154618	ppb	#	99
39)	1,2-DICHLOROPROPANE	0.000		0	N.D.			
40)	DIBROMOMETHANE	0.000		0	N.D.			
41)	BROMODICHLOROMETHANE	6.405	83	287	N.D.			
43)	2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.			
44)	CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.			
45)	4-METHYL-2-PENTANONE (...	0.000		0	N.D.			
47)	TOLUENE	7.055	91	8531	N.D.			
48)	TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.			
50)	1,1,2-TRICHLOROETHANE	0.000		0	N.D.			
51)	TETRACHLOROETHENE	0.000		0	N.D.			
52)	1,3-DICHLOROPROPANE	7.769	76	454	N.D.			
53)	2-HEXANONE	0.000		0	N.D.			
54)	CHLORODIBROMOMETHANE	0.000		0	N.D.			
55)	1,2-DIBROMOETHANE	0.000		0	N.D.			
56)	CHLOROBENZENE	0.000		0	N.D.			
57)	1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.			

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	0.000		0	N.D.	
59) M&P-XYLENE	8.505	106	188	N.D.	
60) O-XYLENE	0.000		0	N.D.	
61) STYRENE	0.000		0	N.D.	
62) BROMOFORM	0.000		0	N.D.	
63) ISOPROPYLBENZENE	0.000		0	N.D.	
65) BROMOBENZENE	9.444	77	1683	N.D.	
66) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69) N-PROPYLBENZENE	0.000		0	N.D.	
70) 2-CHLOROTOLUENE	0.000		0	N.D.	
71) 4-CHLOROTOLUENE	0.000		0	N.D.	
72) 1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73) TERT-BUTYLBENZENE	0.000		0	N.D.	
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	294	N.D.	
75) SEC-BUTYLBENZENE	10.119	105	294	N.D.	
76) 1,3-DICHLOROBENZENE	10.447	146	161	N.D.	
77) P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79) 1,4-DICHLOROBENZENE	10.527	146	150	N.D.	
80) 1,2,3-TRIMETHYLBENZENE	10.556	105	285	N.D.	
81) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
82) N-BUTYLBENZENE	0.000		0	N.D.	
83) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86) NAPHTHALENE	12.794	128	799	N.D.	
87) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88) 1-METHYLNAPHTHALENE	0.000		0	N.D.	
89) 2-METHYLNAPHTHALENE	0.000		0	N.D.	
91) ETHANOL	3.126	45	1002	No Calib	#
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.833	43	399	No Calib	#
94) ACETONITRILE	0.000		0	N.D.	
95) ALLYL CHLORIDE	0.000		0	N.D.	
96) TERT-BUTYL ALCOHOL	0.000		0	N.D.	

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Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.061	43	948	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1175	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.470	43	551	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.467	73	295	No Calib		#
108)	N-BUTANOL	6.119	56	900	No Calib		#
109)	METHYL CYCLOHEXANE	5.897	83	9354	No Calib		#
110)	2-NITROPROPANE	7.431	43	949	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5042	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	333	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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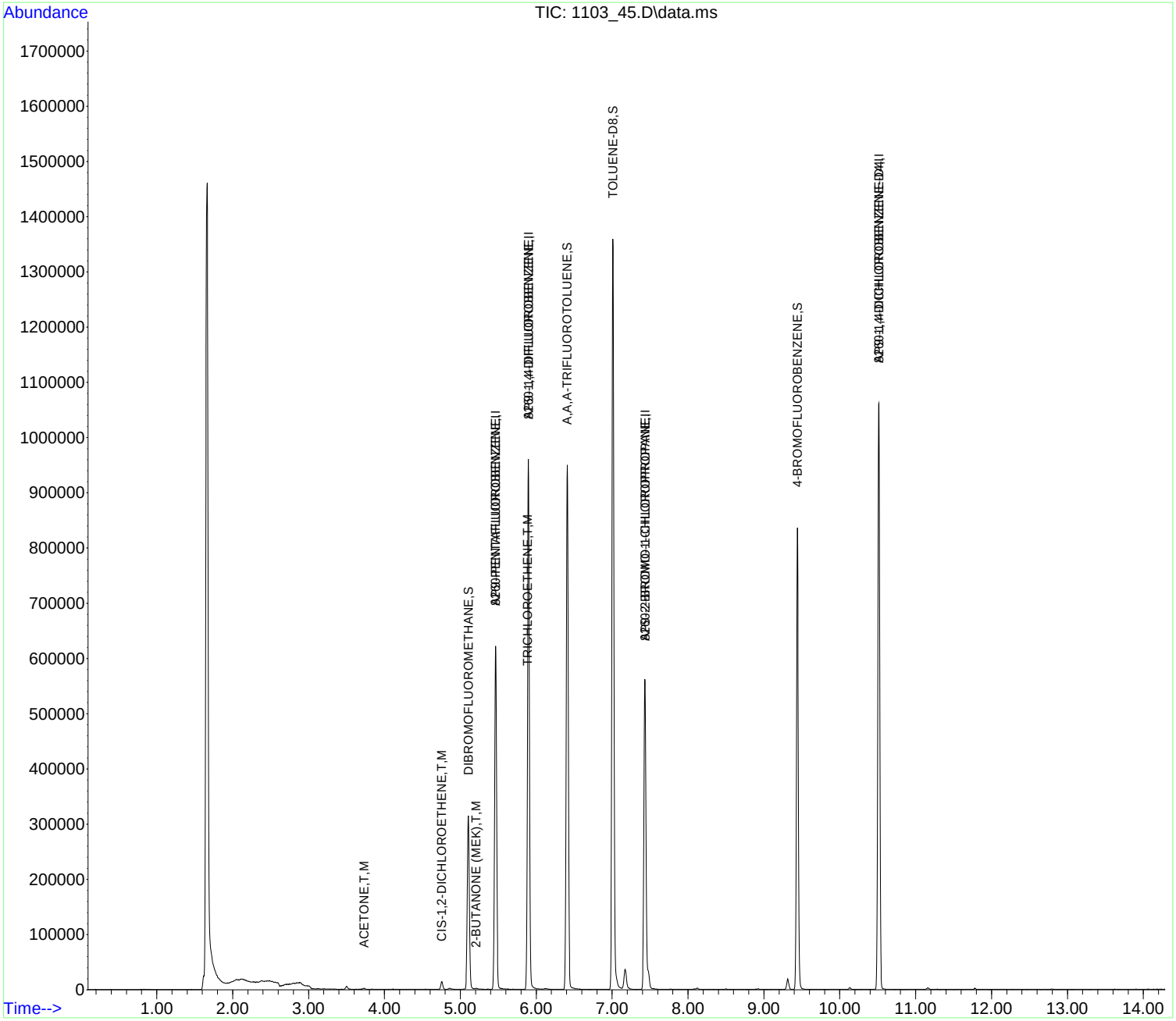
Quant Time: Nov 07 15:17:36 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_46.D
Acq On : 4 Nov 2011 4:24 am
Operator : 209
Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.467	168	356763	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	676154	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	107626	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	266940	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.467	168	357852	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	676154	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	107626	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	266940	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	181092	41.0711428	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.68%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	355994	41.2871211	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.22%			
46) TOLUENE-D8	7.010	98	855484	41.2519779	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.13%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.92%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3666352	No Calib		
3) DICHLORODIFLUOROMETHANE	1.820	85	367	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	2.107	62	17426	1.9716536	ppb	99
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	0.000		0	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.730	43	2476	1.4088378	ppb	92
14) IODOMETHANE	3.309	142	259	N.D.		
15) CARBON DISULFIDE	3.197	76	398	N.D.		
16) METHYLENE CHLORIDE	3.689	84	167	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_46.D
Acq On : 4 Nov 2011 4:24 am
Operator : 209
Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	4.756	96	19462	3.3498929 ppb	99
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	5.100	42	326	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1123	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.428	78	707	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	5.891	130	371	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.409	83	174	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1491	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.766	76	434	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	8.357	112	1002	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_46.D
Acq On : 4 Nov 2011 4:24 am
Operator : 209
Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	0.000		0	N.D.	
59) M&P-XYLENE	0.000		0	N.D.	
60) O-XYLENE	0.000		0	N.D.	
61) STYRENE	0.000		0	N.D.	
62) BROMOFORM	0.000		0	N.D.	
63) ISOPROPYLBENZENE	0.000		0	N.D.	
65) BROMOBENZENE	9.441	77	1661	N.D.	
66) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69) N-PROPYLBENZENE	0.000		0	N.D.	
70) 2-CHLOROTOLUENE	0.000		0	N.D.	
71) 4-CHLOROTOLUENE	0.000		0	N.D.	
72) 1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73) TERT-BUTYLBENZENE	0.000		0	N.D.	
74) 1,2,4-TRIMETHYLBENZENE	10.122	105	186	N.D.	
75) SEC-BUTYLBENZENE	10.122	105	186	N.D.	
76) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
77) P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79) 1,4-DICHLOROBENZENE	0.000		0	N.D.	
80) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
82) N-BUTYLBENZENE	0.000		0	N.D.	
83) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86) NAPHTHALENE	12.791	128	542	N.D.	
87) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88) 1-METHYLNAPHTHALENE	0.000		0	N.D.	
89) 2-METHYLNAPHTHALENE	0.000		0	N.D.	
91) ETHANOL	3.123	45	890	No Calib	#
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.830	43	256	No Calib	#
94) ACETONITRILE	0.000		0	N.D.	
95) ALLYL CHLORIDE	0.000		0	N.D.	
96) TERT-BUTYL ALCOHOL	3.981	59	248	No Calib	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
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Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.055	43	946	No Calib		#
101)	METHACRYLONITRILE	5.467	67	1154	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.467	43	622	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.467	73	367	No Calib		#
108)	N-BUTANOL	6.113	56	1538	No Calib		#
109)	METHYL CYCLOHEXANE	5.894	83	8949	No Calib		#
110)	2-NITROPROPANE	7.428	43	949	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	4710	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	196	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_46.D
Acq On : 4 Nov 2011 4:24 am
Operator : 209
Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
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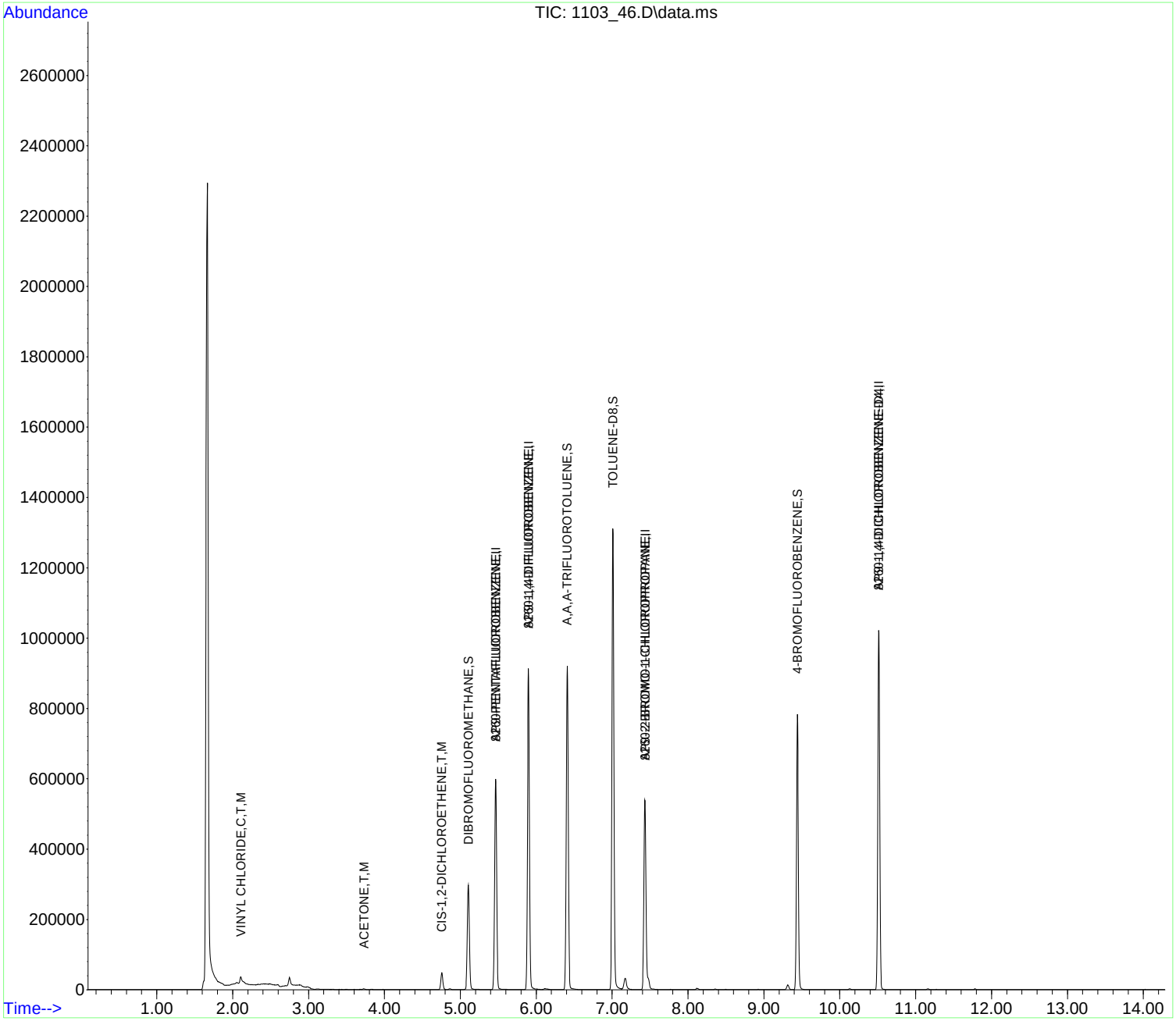
Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_46.D
Acq On : 4 Nov 2011 4:24 am
Operator : 209
Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.467	168	356763	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	676154	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	107626	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	266940	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.467	168	357852	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	676154	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	107626	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	266940	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	181092	41.0711428	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.68%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	355994	41.2871211	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.22%			
46) TOLUENE-D8	7.010	98	855484	41.2519779	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.13%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.92%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3666352	No Calib		
3) DICHLORODIFLUOROMETHANE	1.820	85	367	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	2.107	62	17426	1.9716536	ppb	99
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	0.000		0	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.730	43	2476	1.4088378	ppb	92
14) IODOMETHANE	3.309	142	259	N.D.		
15) CARBON DISULFIDE	3.197	76	398	N.D.		
16) METHYLENE CHLORIDE	3.689	84	167	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_46.D
Acq On : 4 Nov 2011 4:24 am
Operator : 209
Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	4.756	96	19462	3.3498929 ppb	99
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	5.100	42	326	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1123	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.428	78	707	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	5.891	130	371	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.409	83	174	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1491	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.766	76	434	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	8.357	112	1002	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_46.D
Acq On : 4 Nov 2011 4:24 am
Operator : 209
Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	0.000		0	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	1661	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	0.000		0	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.122	105	186	N.D.	
75)	SEC-BUTYLBENZENE	10.122	105	186	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	0.000		0	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.791	128	542	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	0.000		0	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.123	45	890	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.830	43	256	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.981	59	248	No Calib	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_46.D
Acq On : 4 Nov 2011 4:24 am
Operator : 209
Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

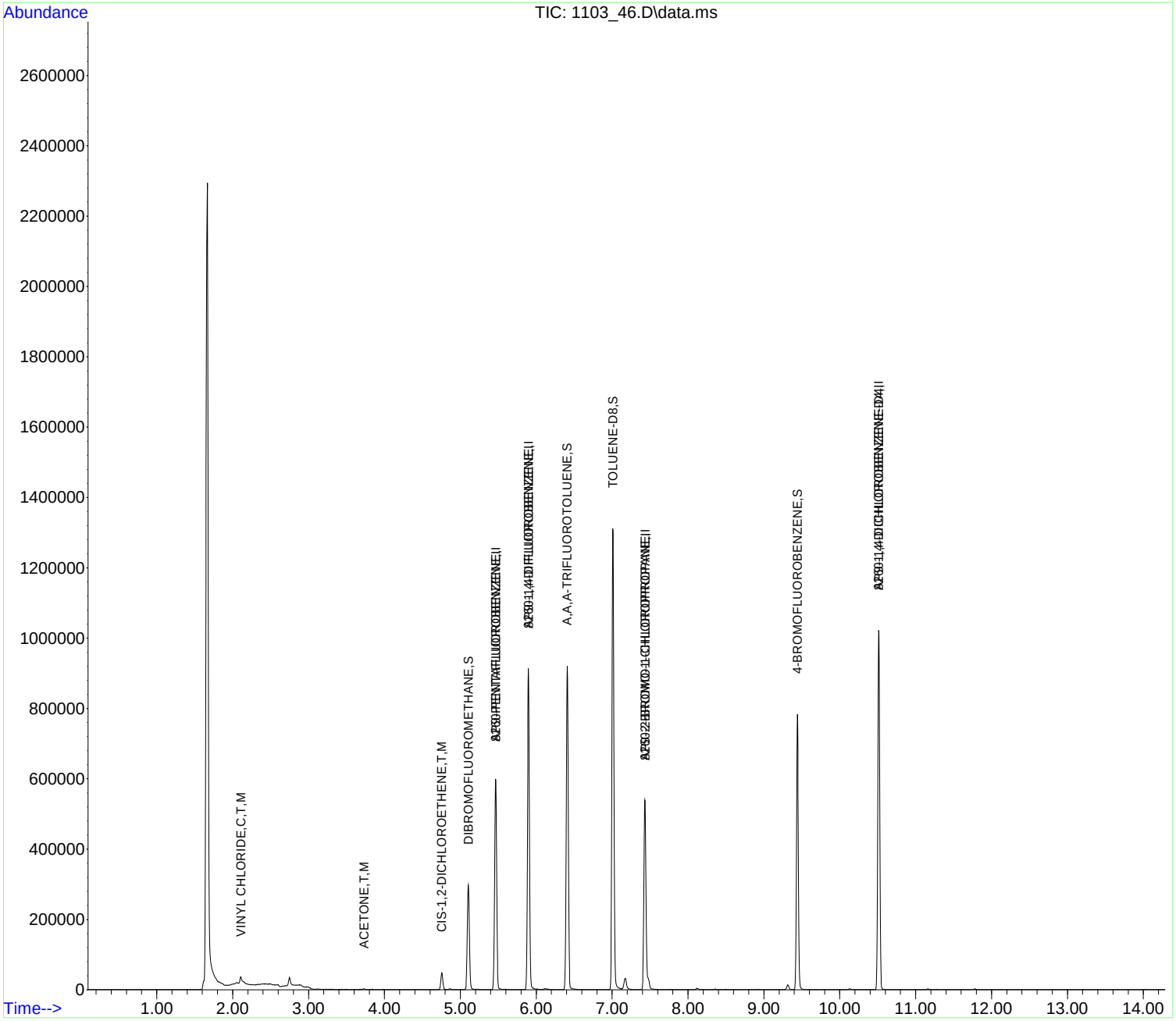
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.055	43	946	No Calib		#
101)	METHACRYLONITRILE	5.467	67	1154	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.467	43	622	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.467	73	367	No Calib		#
108)	N-BUTANOL	6.113	56	1538	No Calib		#
109)	METHYL CYCLOHEXANE	5.894	83	8949	No Calib		#
110)	2-NITROPROPANE	7.428	43	949	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	4710	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	196	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_46.D
Acq On : 4 Nov 2011 4:24 am
Operator : 209
Sample : L544884-06 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 46 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
Acq On : 4 Nov 2011 4:46 am
Operator : 209
Sample : L544884-07 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 47 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	367986	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.898	114	692401	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	111129	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	271028	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	368789	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.898	114	692401	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	111129	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	271028	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.107	111	187073	41.1336401	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.83%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	361595	40.9526749	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.38%			
46) TOLUENE-D8	7.010	98	885941	41.7182056	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 104.30%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.74%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3809800	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	0.000		0	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	2883	1.5903896	ppb	92
14) IODOMETHANE	3.306	142	259	N.D.		
15) CARBON DISULFIDE	3.203	76	337	N.D.		
16) METHYLENE CHLORIDE	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
Acq On : 4 Nov 2011 4:46 am
Operator : 209
Sample : L544884-07 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 47 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.094	117	1245	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.422	78	361	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.406	83	236	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	2471	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.762	76	373	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
Acq On : 4 Nov 2011 4:46 am
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Sample : L544884-07 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 47 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.495	106	194	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	1678	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	0.000		0	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.116	105	176	N.D.	
75)	SEC-BUTYLBENZENE	10.116	105	176	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	0.000		0	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.791	128	466	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	0.000		0	N.D.	
89)	2-METHYLNAPHTHALENE	0.000		0	N.D.	
91)	ETHANOL	3.116	45	1011	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.830	43	448	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
Acq On : 4 Nov 2011 4:46 am
Operator : 209
Sample : L544884-07 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 47 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.049	43	962	No Calib		#
101)	METHACRYLONITRILE	5.460	67	1182	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.467	43	684	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.463	73	285	No Calib		#
108)	N-BUTANOL	6.123	56	645	No Calib		#
109)	METHYL CYCLOHEXANE	5.898	83	9620	No Calib		#
110)	2-NITROPROPANE	7.428	43	847	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5094	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.000	59	268	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
Acq On : 4 Nov 2011 4:46 am
Operator : 209
Sample : L544884-07 1x WG563916 V8260
Misc : water ISSURR10G08815
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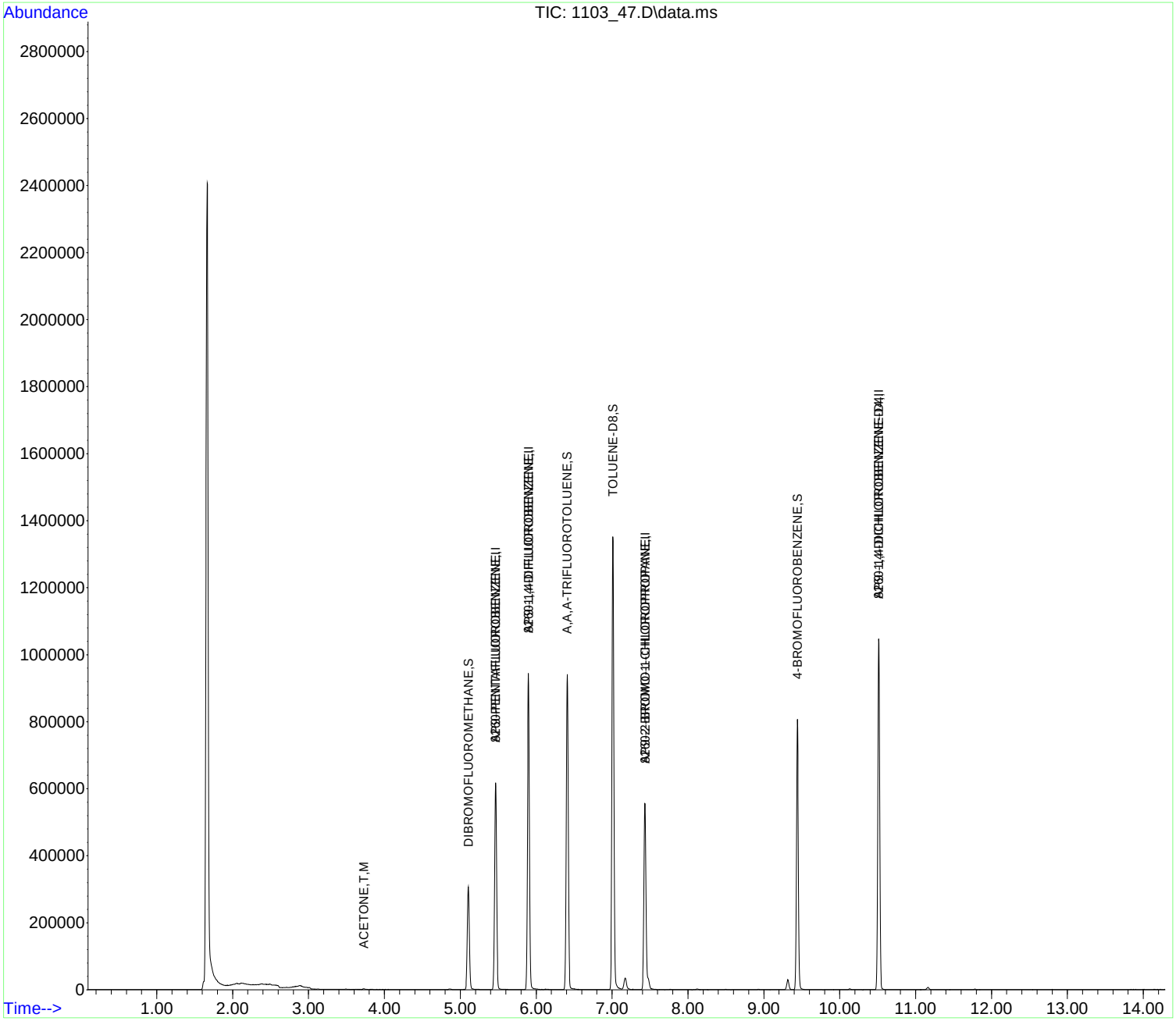
InstName : VOCMS22

Quant Time: Nov 07 15:17:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
Acq On : 4 Nov 2011 4:46 am
Operator : 209
Sample : L544884-07 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 47 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	367986	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.898	114	692401	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	111129	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	271028	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	368789	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.898	114	692401	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	111129	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	271028	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.107	111	187073	41.1336401	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.83%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	361595	40.9526749	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.38%			
46) TOLUENE-D8	7.010	98	885941	41.7182056	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 104.30%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.74%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3809800	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	0.000		0	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	2883	1.5903896	ppb	92
14) IODOMETHANE	3.306	142	259	N.D.		
15) CARBON DISULFIDE	3.203	76	337	N.D.		
16) METHYLENE CHLORIDE	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.094	117	1245	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	
35) BENZENE	5.422	78	361	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.406	83	236	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	2471	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.762	76	373	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
Acq On : 4 Nov 2011 4:46 am
Operator : 209
Sample : L544884-07 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 47 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	0.000		0	N.D.	
59) M&P-XYLENE	8.495	106	194	N.D.	
60) O-XYLENE	0.000		0	N.D.	
61) STYRENE	0.000		0	N.D.	
62) BROMOFORM	0.000		0	N.D.	
63) ISOPROPYLBENZENE	0.000		0	N.D.	
65) BROMOBENZENE	9.441	77	1678	N.D.	
66) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69) N-PROPYLBENZENE	0.000		0	N.D.	
70) 2-CHLOROTOLUENE	0.000		0	N.D.	
71) 4-CHLOROTOLUENE	0.000		0	N.D.	
72) 1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73) TERT-BUTYLBENZENE	0.000		0	N.D.	
74) 1,2,4-TRIMETHYLBENZENE	10.116	105	176	N.D.	
75) SEC-BUTYLBENZENE	10.116	105	176	N.D.	
76) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
77) P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79) 1,4-DICHLOROBENZENE	0.000		0	N.D.	
80) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
82) N-BUTYLBENZENE	0.000		0	N.D.	
83) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86) NAPHTHALENE	12.791	128	466	N.D.	
87) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88) 1-METHYLNAPHTHALENE	0.000		0	N.D.	
89) 2-METHYLNAPHTHALENE	0.000		0	N.D.	
91) ETHANOL	3.116	45	1011	No Calib	#
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.830	43	448	No Calib	#
94) ACETONITRILE	0.000		0	N.D.	
95) ALLYL CHLORIDE	0.000		0	N.D.	
96) TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
Acq On : 4 Nov 2011 4:46 am
Operator : 209
Sample : L544884-07 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 47 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

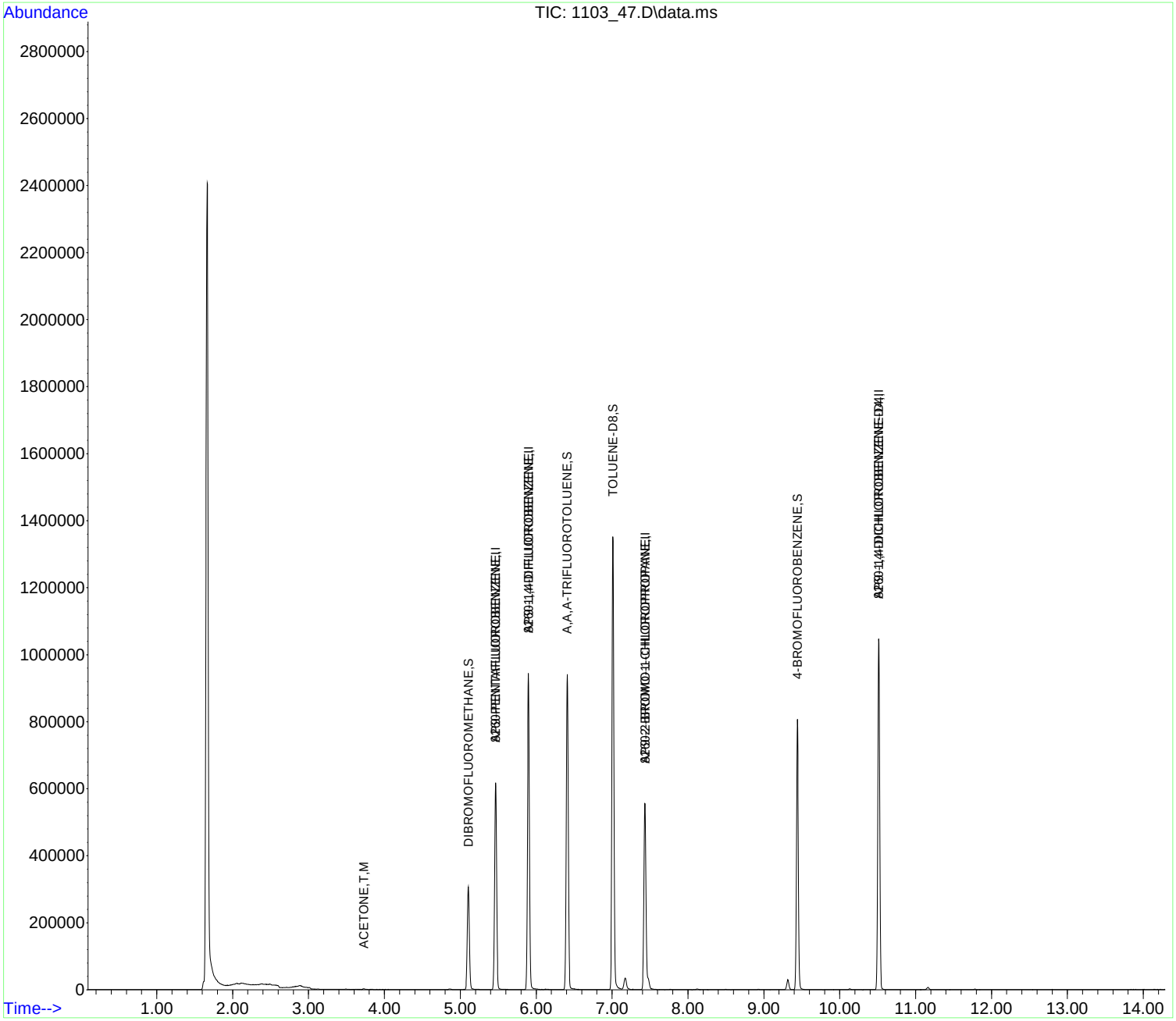
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.049	43	962	No Calib		#
101)	METHACRYLONITRILE	5.460	67	1182	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.467	43	684	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.463	73	285	No Calib		#
108)	N-BUTANOL	6.123	56	645	No Calib		#
109)	METHYL CYCLOHEXANE	5.898	83	9620	No Calib		#
110)	2-NITROPROPANE	7.428	43	847	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5094	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.000	59	268	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110311\
Data File : 1103_47.D
Acq On : 4 Nov 2011 4:46 am
Operator : 209
Sample : L544884-07 1x WG563916 V8260
Misc : water ISSURR10G08815
ALS Vial : 47 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 15:17:42 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Sample Run Raw Data Package

Instrument ID	: VOCMS22	Instrument #	: 1
Computer	: VOCCOMPAL	Run ID	: 110711

Data Released By: Amy Green — Amy Green

11/08/2011 — Date

Analyst Comments:

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID : VOCMS22 Released By : Amy Green Run ID : 110711
Computer Name : VOCCOMPAL Date Released : 11/8/2011 8:59:07 AM Signature : _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	Dil.	Mult.	Injected
1	1107_01	TUNE	V822K02K					1	1	11/7/11 1005
2	1107_01T	INSTBLK VMS							1	11/7/11 1005
3	1107_02	ICV VMS 25 PPB 11J21182	V822K02K					1	1	11/7/11 1027
4	1107_03	LCS	V822K02K	WG564454		GW		1	1	11/7/11 1112
5	1107_04	LCSD	V822K02K	WG564454		GW		1	1	11/7/11 1133
6	1107_05	1PPB	V822K02K					1	1	11/7/11 1445
7	1107_06	INSTBLK	V822K02K					1	1	11/7/11 1506
8	1107_07	BLANK	V822K02K	WG564454		GW		1	1	11/7/11 1528
9	1107_08	CCV VMS 25 PPB 11J21182	V822K02K					1	1	11/7/11 2120
10	1107_08T	ccv							1	11/7/11 2120
11	1107_09	MS	V822K02K	WG564454		GW		1	1	11/7/11 2213
12	1107_10	MSD	V822K02K	WG564454		GW		1	1	11/7/11 2235
13	1107_11	INSTBLK	V822K02K					1	1	11/7/11 2256
14	1107_12	L544884-04	V822K02K	WG564454	V8260	GW	TERRLKS	1	1	11/7/11 2318
15	1107_13	L544414-03	V822K02K	WG564077	V8260TCLP	TCLP	ENVSCI	10	500	11/7/11 2340
16	1107_14	L544336-01	V822K02K	WG564077	V8260TCLP	TCLP	TVAKIF	10	500	11/8/11 0001
17	1107_15	L544848-01	V822K02K	WG564143	V8260BTEX	TCLP	WILENGKS	40	2000	11/8/11 0023
18	1107_16	L545019-02	V822K02K	WG564143	V8260BTEX	TCLP	SSTAROKY	1	50	11/8/11 0045
19	1107_17	L544550-03	V822K02K	WG564454	V8260STARS	GW	UNIREFPAM	25	25	11/8/11 0106
20	1107_18	L544552-01	V822K02K	WG564454	V8260STARS	GW	UNIREFOPM	1	1	11/8/11 0233
21	1107_19	L544552-02	V822K02K	WG564454	V8260STARS	GW	UNIREFOPM	20	20	11/8/11 0255
22	1107_20	L544552-03	V822K02K	WG564454	V8260STARS	GW	UNIREFOPM	25	25	11/8/11 0317
23	1107_21	L544596-14	V822K02K	WG564454	V8260BTEXMN	GW	JLIPUT	1	1	11/8/11 0338
24	1107_22	L544732-02	V822K02K	WG564454	V8260MI	GW	GAIACIL	100	100	11/8/11 0400
25	1107_23	L544732-03	V822K02K	WG564454	V8260MI	GW	GAIACIL	1	1	11/8/11 0421
26	1107_24	L544732-04	V822K02K	WG564454	V8260MI	GW	GAIACIL	1	1	11/8/11 0443
27	1107_25	L544732-05	V822K02K	WG564454	V8260MI	GW	GAIACIL	1	1	11/8/11 0505
28	1107_26	L544732-06	V822K02K	WG564454	V8260MI	GW	GAIACIL	25	25	11/8/11 0533
29	1107_27	L544732-07	V822K02K	WG564454	V8260MI	GW	GAIACIL	1	1	11/8/11 0554
30	1107_28	L545398-01	V822K02K	WG564454	V8260TPHMO	GW	LEIGHMOR	10	10	11/8/11 0616
31	1107_29	L545398-03	V822K02K	WG564454	V8260TPHMO	GW	LEIGHMOR	50	50	11/8/11 0637

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Injection Log

Instrument ID	: VOCMS22	Released By	: Amy Green	Run ID	: 110711
Computer Name	: VOCCOMPAL	Date Released	: 11/8/2011 8:59:07 AM	Signature	: _____

#	File ID	Sample ID	Method	WG	Product	Matrix	Account #	Dil.	Mult.	Injected
32	1107_30	L545398-04	V822K02K	WG564454	V8260TPHMO	GW	LEIGHMOR	10	10	11/8/11 0659

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	487077	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	977576	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	184837	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.514	152	412156	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	487540	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.897	114	977576	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.434	79	184837	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.514	152	412156	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.103	111	289914	48.1602680	ppb	0.00
	Spiked Amount 40.000	Range 79 - 125		Recovery = 120.40%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	455893	36.5704191	ppb	0.00
	Spiked Amount 40.000	Range 84 - 114		Recovery = 91.43%			
46)	TOLUENE-D8	7.010	98	1248017	41.6244470	ppb	0.00
	Spiked Amount 40.000	Range 87 - 114		Recovery = 104.06%			
	Spiked Amount 40.000	Range 75 - 128		Recovery = 90.47%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	-5497789	No Calib		
3)	DICHLORODIFLUOROMETHANE	1.820	85	513	N.D.		
4)	CHLOROMETHANE	0.000		0	N.D.		
5)	VINYL CHLORIDE	0.000		0	N.D.		
6)	BROMOMETHANE	2.428	94	178	N.D.		
7)	CHLOROETHANE	2.544	64	163	N.D.		
8)	TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9)	ETHYL ETHER	0.000		0	N.D.		
10)	ACROLEIN	0.000		0	N.D.		
11)	1,1-DICHLOROETHENE	0.000		0	N.D.		
12)	1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13)	ACETONE	3.724	43	6722	2.8015028	ppb	100
14)	IODOMETHANE	3.315	142	860	N.D.		
15)	CARBON DISULFIDE	3.206	76	269	N.D.		
16)	METHYLENE CHLORIDE	3.685	84	527	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17)	ACRYLONITRILE	0.000		0	N.D.	
18)	n-HEXANE	0.000		0	N.D.	
19)	TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20)	METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21)	1,1-DICHLOROETHANE	0.000		0	N.D.	
22)	VINYL ACETATE	0.000		0	N.D.	
23)	DI-ISOPROPYL ETHER	0.000		0	N.D.	
24)	2,2-DICHLOROPROPANE	0.000		0	N.D.	
25)	CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26)	2-BUTANONE (MEK)	0.000		0	N.D.	
27)	BROMOCHLOROMETHANE	0.000		0	N.D.	
28)	TETRAHYDROFURAN	0.000		0	N.D.	
29)	CHLOROFORM	0.000		0	N.D.	
31)	1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32)	CARBON TETRACHLORIDE	5.093	117	1821	N.D.	
33)	1,1-DICHLOROPROPENE	0.000		0	N.D.	
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	846	N.D.	
35)	BENZENE	5.431	78	3224	N.D.	
36)	1,2-DICHLOROETHANE	0.000		0	N.D.	
38)	TRICHLOROETHENE	5.881	130	815	N.D.	
39)	1,2-DICHLOROPROPANE	0.000		0	N.D.	
40)	DIBROMOMETHANE	0.000		0	N.D.	
41)	BROMODICHLOROMETHANE	6.412	83	485	N.D.	
43)	2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44)	CIS-1,3-DICHLOROPROPENE	7.010	75	242	N.D.	
45)	4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47)	TOLUENE	7.055	91	1098	N.D.	
48)	TRANS-1,3-DICHLOROPROPENE	7.428	110	271	N.D.	
50)	1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51)	TETRACHLOROETHENE	0.000		0	N.D.	
52)	1,3-DICHLOROPROPANE	7.769	76	851	N.D.	
53)	2-HEXANONE	0.000		0	N.D.	
54)	CHLORODIBROMOMETHANE	0.000		0	N.D.	
55)	1,2-DIBROMOETHANE	0.000		0	N.D.	
56)	CHLOROBENZENE	0.000		0	N.D.	
57)	1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.498	106	487	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	9.177	105	366	N.D.	
65)	BROMOBENZENE	9.547	77	156	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.560	91	3345	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	9.646	105	458	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.116	105	329	N.D.	
75)	SEC-BUTYLBENZENE	10.116	105	329	N.D.	
76)	1,3-DICHLOROBENZENE	10.521	146	202	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.521	146	266	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	603	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	10.781	91	365	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.794	128	1416	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.903	142	3155	N.D.	
89)	2-METHYLNAPHTHALENE	14.067	142	1564	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	1628	No Calib	#
94)	ACETONITRILE	3.978	41	177	No Calib	#
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.975	59	411	No Calib	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

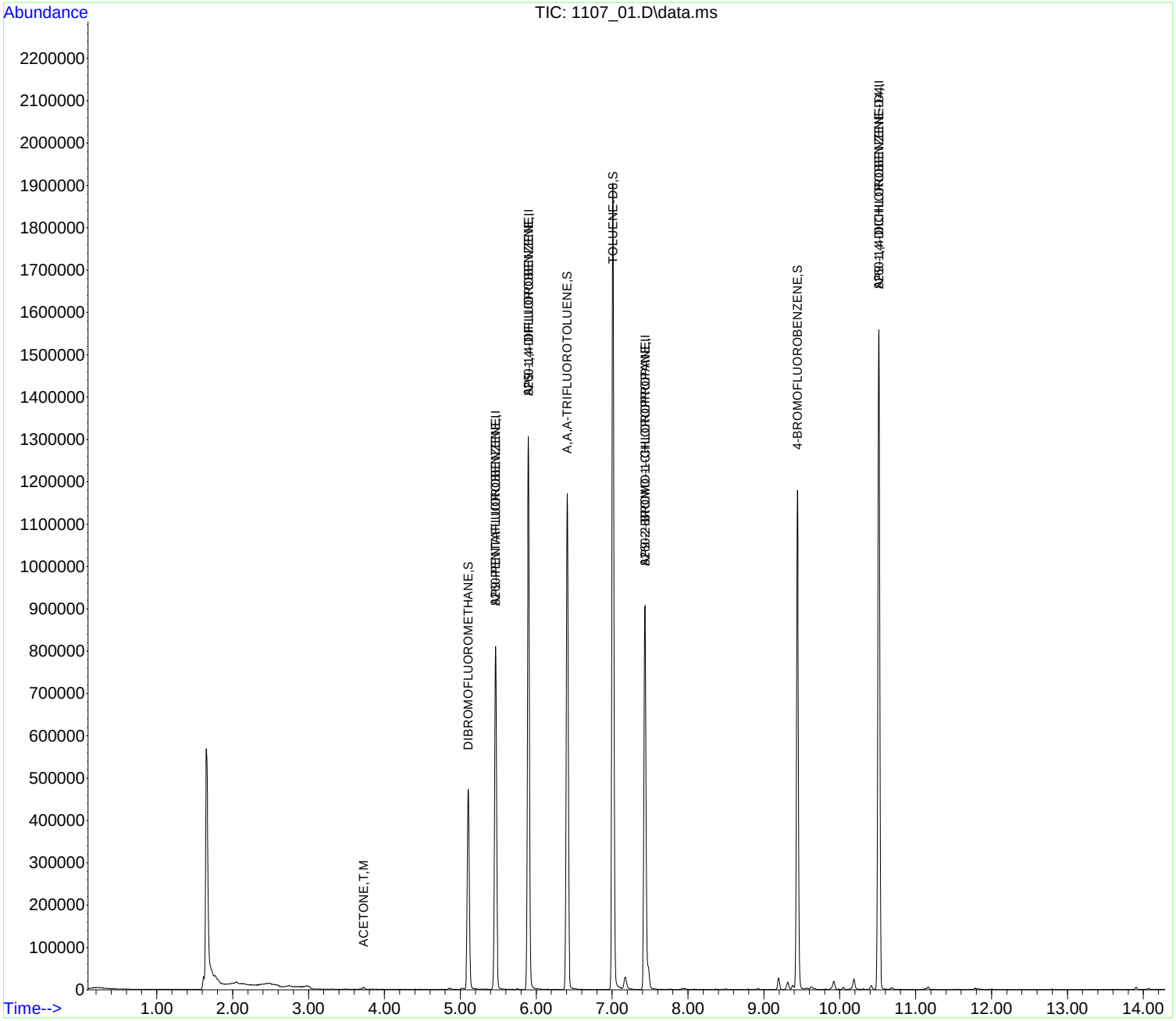
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.055	43	2608	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1419	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.466	43	805	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.463	73	405	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	12907	No Calib		#
110)	2-NITROPROPANE	7.431	43	1426	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5994	No Calib		
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	382	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	9.923	55	1719	No Calib		#
119)	PENTACHLOROETHANE	9.984	117	320	No Calib		#
120)	HEXACHLOROETHANE	10.685	117	2565	No Calib		#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	487077	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	977576	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	184837	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.514	152	412156	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	487540	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	977576	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	184837	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.514	152	412156	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	289914	48.1602680	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 120.40%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	455893	36.5704191	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 91.43%			
46) TOLUENE-D8	7.010	98	1248017	41.6244470	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 104.06%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 90.47%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-5497789	No Calib		
3) DICHLORODIFLUOROMETHANE	1.820	85	513	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	2.428	94	178	N.D.		
7) CHLOROETHANE	2.544	64	163	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.724	43	6722	2.8015028	ppb	100
14) IODOMETHANE	3.315	142	860	N.D.		
15) CARBON DISULFIDE	3.206	76	269	N.D.		
16) METHYLENE CHLORIDE	3.685	84	527	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.093	117	1821	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	846	N.D.	
35) BENZENE	5.431	78	3224	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	5.881	130	815	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	485	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	7.010	75	242	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1098	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	7.428	110	271	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.769	76	851	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.498	106	487	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	9.177	105	366	N.D.	
65)	BROMOBENZENE	9.547	77	156	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.560	91	3345	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	9.646	105	458	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.116	105	329	N.D.	
75)	SEC-BUTYLBENZENE	10.116	105	329	N.D.	
76)	1,3-DICHLOROBENZENE	10.521	146	202	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.521	146	266	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	603	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	10.781	91	365	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.794	128	1416	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.903	142	3155	N.D.	
89)	2-METHYLNAPHTHALENE	14.067	142	1564	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	1628	No Calib	#
94)	ACETONITRILE	3.978	41	177	No Calib	#
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.975	59	411	No Calib	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

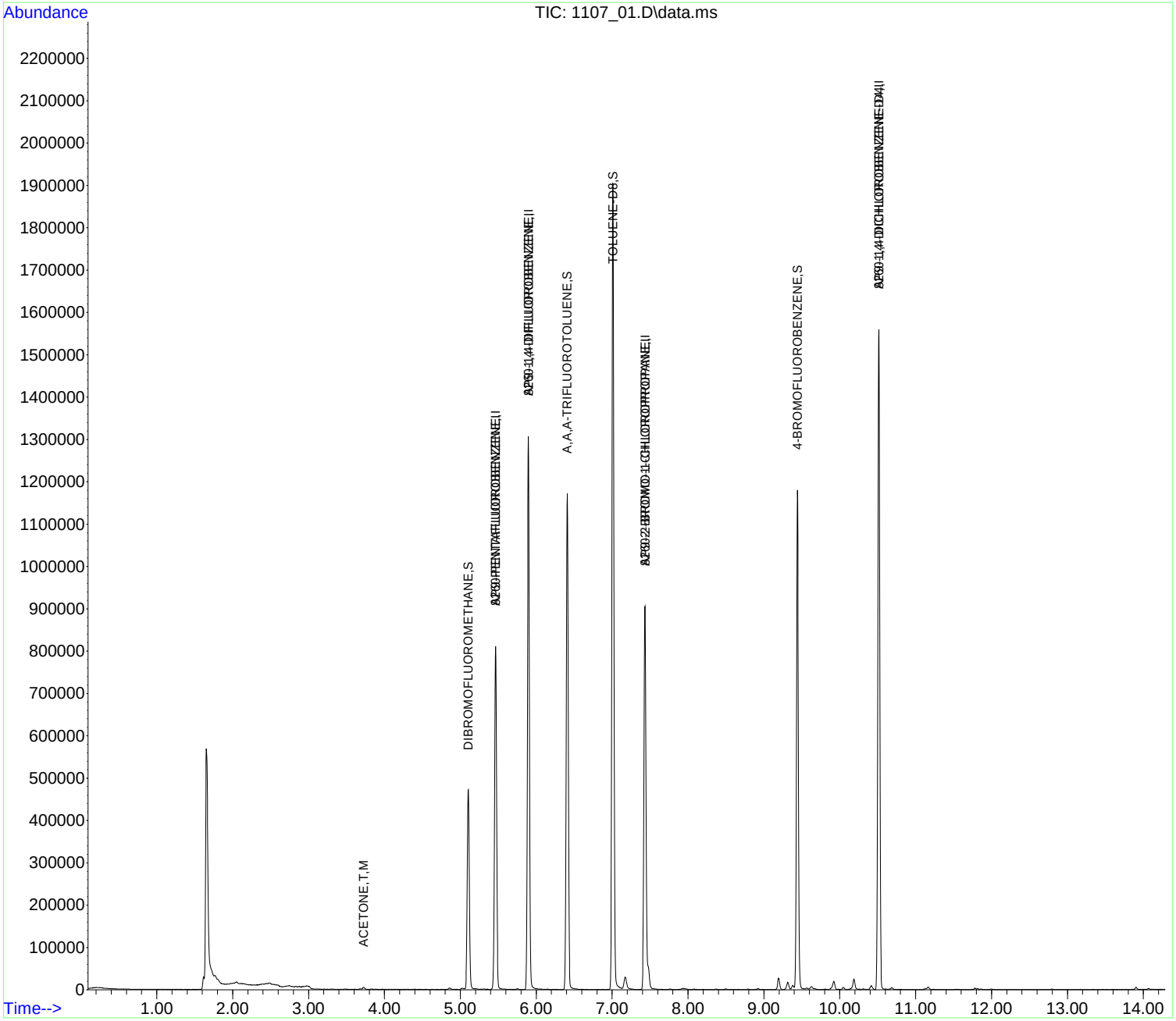
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.055	43	2608	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1419	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.466	43	805	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.463	73	405	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	12907	No Calib	#
110)	2-NITROPROPANE	7.431	43	1426	No Calib	#
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.409	88	5994	No Calib	
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	382	No Calib	#
116)	ETHYL METHACRYLATE	0.000		0	N.D.	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	9.923	55	1719	No Calib	#
119)	PENTACHLOROETHANE	9.984	117	320	No Calib	#
120)	HEXACHLOROETHANE	10.685	117	2565	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : TUNE BFB
Misc : water ISSURR11J03320
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

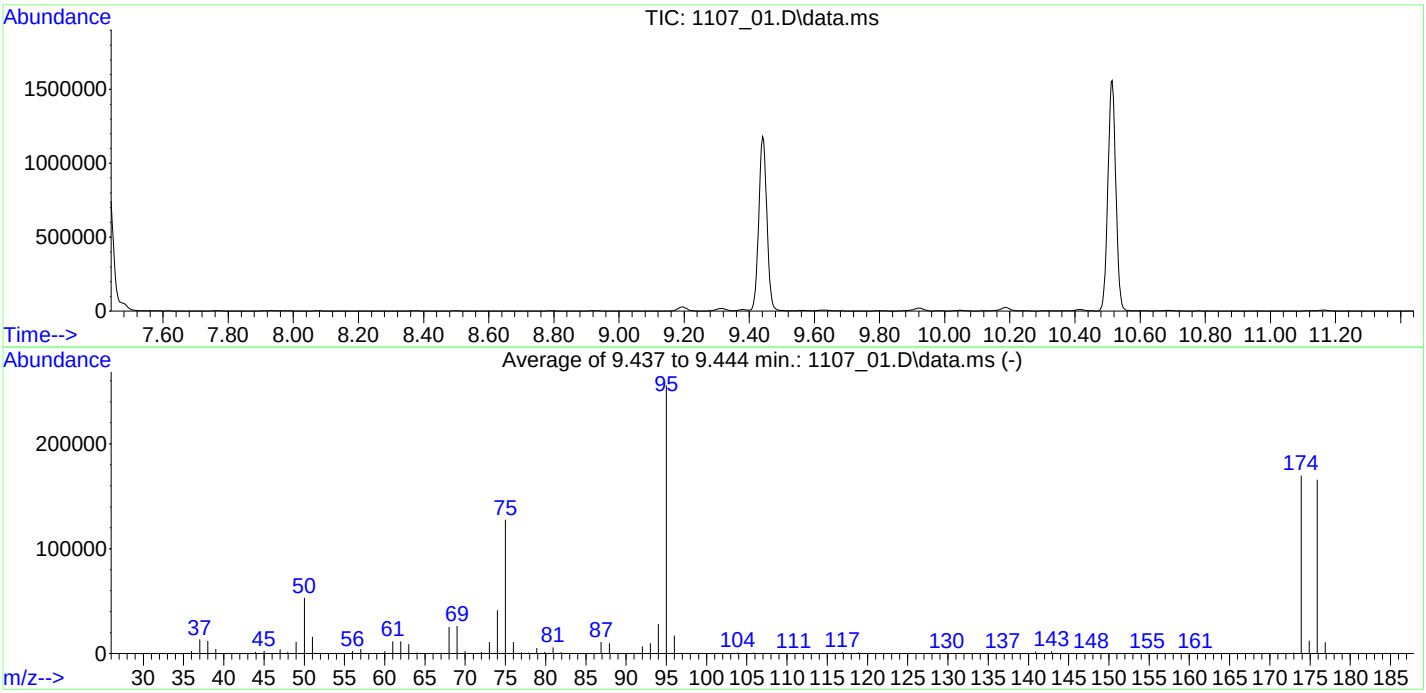
Quant Time: Nov 08 08:29:27 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Data Path : C:\msdchem\1\data\110711\
Data File : 1107_01.D
Acq On : 7 Nov 2011 10:05 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V822K02K.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22



AutoFind: Scans 2907, 2908, 2909; Background Corrected with Scan 2892

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	52995	PASS
75	95	30	60	49.8	127488	PASS
95	95	100	100	100.0	255893	PASS
96	95	5	9	6.7	17184	PASS
173	174	0.00	2	0.6	1010	PASS
174	95	50	150	66.4	169920	PASS
175	174	5	9	7.2	12283	PASS
176	174	95	101	97.6	165803	PASS
177	176	5	9	6.5	10716	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_02.D
Acq On : 7 Nov 2011 10:27 am
Operator : 209
Sample : ICV VMS 25 ppb 11J21182
Misc : water ISSURR11J03320
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 10:55:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	5.463	168	414804	40.0000000 ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	761685	40.0000000 ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	131364	40.0000000 ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	329538	40.0000000 ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	415755	40.0000000 ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	761685	40.0000000 ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	131364	40.0000000 ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	329538	40.0000000 ppb	0.00
System Monitoring Compounds					
30) DIBROMOFLUOROMETHANE	5.103	111	221744	43.2539995 ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 108.13%		
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	394211	40.5854980 ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 101.46%		
46) TOLUENE-D8	7.010	98	962399	41.1963052 ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.99%		
Spiked Amount 40.000	Range 75 - 128		Recovery = 98.48%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6656065	No Calib	
3) DICHLORODIFLUOROMETHANE	1.814	85	173646	24.3982603 ppb	99
4) CHLOROMETHANE	2.029	50	206223	21.1764612 ppb	99
5) VINYL CHLORIDE	2.103	62	226875	22.0778313 ppb	97
6) BROMOMETHANE	2.431	94	134228	24.0705745 ppb	99
7) CHLOROETHANE	2.557	64	146461	23.4300471 ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	263818	22.7479198 ppb	99
9) ETHYL ETHER	2.991	59	140025	22.3680736 ppb	99
10) ACROLEIN	3.470	56	87124	117.8485318 ppb	100
11) 1,1-DICHLOROETHENE	3.168	96	105371	20.6384994 ppb	100
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	115426	21.0010453 ppb	99
13) ACETONE	3.724	43	262268	128.3490149 ppb	99
14) IODOMETHANE	3.303	142	648858	99.7639003 ppb	100
15) CARBON DISULFIDE	3.200	76	241241	17.0211989 ppb	99
16) METHYLENE CHLORIDE	3.679	84	138928	21.7252731 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_02.D
Acq On : 7 Nov 2011 10:27 am
Operator : 209
Sample : ICV VMS 25 ppb 11J21182
Misc : water ISSURR11J03320
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 10:55:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	290013	124.6655944	ppb		99
18) n-HEXANE	3.885	56	129629	18.9496461	ppb		95
19) TRANS-1,2-DICHLOROETHENE	3.817	96	128501	20.9770224	ppb		99
20) METHYL TERT-BUTYL ETHER	3.910	73	375009	23.7509273	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	273552	22.4921230	ppb		99
22) VINYL ACETATE	4.518	43	1698913	134.3542099	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	538219	24.0465629	ppb		99
24) 2,2-DICHLOROPROPANE	4.846	77	199510	23.2787450	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.753	96	151837	22.4780140	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	99051	122.7979195	ppb		95
27) BROMOCHLOROMETHANE	4.910	130	76408	22.8218160	ppb		100
28) TETRAHYDROFURAN	5.100	42	48217	24.1611819	ppb		96
29) CHLOROFORM	4.962	83	252620	23.1020215	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	206166	23.1130027	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	158291	20.8469129	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	212522	21.8683503	ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	648996	21.3805966	ppb		99
35) BENZENE	5.431	78	642109	22.2757743	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	196885	23.3620314	ppb		100
38) TRICHLOROETHENE	5.881	130	141631	22.1748193	ppb	#	99
39) 1,2-DICHLOROPROPANE	6.302	62	121159	23.5313956	ppb		100
40) DIBROMOMETHANE	6.219	93	76572	23.0251301	ppb		100
41) BROMODICHLOROMETHANE	6.338	83	173379	23.6663318	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	418091	147.3875991	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	223654	23.8687035	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	314849	127.4457625	ppb		99
47) TOLUENE	7.055	91	682188	21.9067986	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	47069	23.6946451	ppb		95
50) 1,1,2-TRICHLOROETHANE	7.524	97	122527	22.1113960	ppb		99
51) TETRACHLOROETHENE	7.380	164	109725	20.4596310	ppb		98
52) 1,3-DICHLOROPROPANE	7.765	76	238621	21.6466168	ppb		100
53) 2-HEXANONE	8.068	58	305154	126.6863519	ppb		99
54) CHLORODIBROMOMETHANE	7.685	129	102654	22.3481246	ppb		99
55) 1,2-DIBROMOETHANE	7.900	107	111976	22.4625570	ppb		100
56) CHLOROBENZENE	8.354	112	421187	21.7011557	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	115218	22.4699434	ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_02.D
Acq On : 7 Nov 2011 10:27 am
Operator : 209
Sample : ICV VMS 25 ppb 11J21182
Misc : water ISSURR11J03320
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 10:55:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	8.370	106	238596	21.5462947 ppb	98
59) M&P-XYLENE	8.499	106	593895	44.1150429 ppb	100
60) O-XYLENE	8.888	106	279430	22.5642252 ppb	99
61) STYRENE	8.933	104	473058	23.5207750 ppb	100
62) BROMOFORM	8.962	173	52928	20.1005602 ppb	98
63) ISOPROPYLBENZENE	9.174	105	704320	23.1023370 ppb	99
65) BROMOBENZENE	9.547	77	344784	21.8439820 ppb	100
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	170935	23.3230014 ppb	100
67) 1,2,3-TRICHLOROPROPANE	9.752	110	50234	23.3508295 ppb	100
68) TRANS-1,4-DICHLORO-2-B...	9.788	53	44136	23.6298247 ppb	98
69) N-PROPYLBENZENE	9.560	91	957825	22.4034093 ppb	100
70) 2-CHLOROTOLUENE	9.717	91	612332	22.3988946 ppb	100
71) 4-CHLOROTOLUENE	9.871	91	556520	22.6692340 ppb	100
72) 1,3,5-TRIMETHYLBENZENE	9.743	105	639425	23.1707178 ppb	98
73) TERT-BUTYLBENZENE	10.052	119	537070	23.0577333 ppb	99
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	643664	23.2063405 ppb	99
75) SEC-BUTYLBENZENE	10.225	105	862704	23.0541017 ppb	100
76) 1,3-DICHLOROBENZENE	10.444	146	311429	22.2621222 ppb	100
77) P-ISOPROPYLTOLUENE	10.360	119	688624	23.6073955 ppb	99
79) 1,4-DICHLOROBENZENE	10.527	146	321455	22.4782059 ppb	89
80) 1,2,3-TRIMETHYLBENZENE	10.547	105	686804	22.8229690 ppb	100
81) 1,2-DICHLOROBENZENE	10.945	146	287992	22.8840017 ppb	99
82) N-BUTYLBENZENE	10.778	91	697572	24.0152830 ppb	100
83) 1,2-DIBROMO-3-CHLOROPR...	11.749	157	20194	23.3550148 ppb	98
84) 1,2,4-TRICHLOROBENZENE	12.450	180	175431	22.6032292 ppb	99
85) HEXACHLORO-1,3-BUTADIENE	12.418	225	109086	22.3206253 ppb	99
86) NAPHTHALENE	12.791	128	419893	21.5186886 ppb	100
87) 1,2,3-TRICHLOROBENZENE	12.984	180	161432	22.4580297 ppb	99
88) 1-METHYLNAPHTHALENE	13.903	142	176449	17.9262915 ppb	98
89) 2-METHYLNAPHTHALENE	14.067	142	171913	19.9900434 ppb	99
91) ETHANOL	0.000		0	N.D.	
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.827	43	8611	No Calib #	
94) ACETONITRILE	4.074	41	518	No Calib #	
96) TERT-BUTYL ALCOHOL	3.897	59	583	No Calib #	

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Misc : water ISSURR11J03320
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 10:55:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	290013	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1344	No Calib	#
99)	PROPIONITRILE	5.315	54	1852	No Calib	
100)	ETHYL ACETATE	5.048	43	2092	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1147	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.232	59	876	No Calib	#
104)	ISOBUTANOL	5.508	43	239	No Calib	#
105)	T-AMYL ALCOHOL	5.614	59	2150	No Calib	#
106)	TERT-AMYL METHYL ETHER	5.431	73	11207	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	11306	No Calib	#
110)	2-NITROPROPANE	7.354	43	828831	No Calib	
111)	METHYL METHACRYLATE	6.528	41	958	No Calib	#
112)	1,4-DIOXANE	6.405	88	4955	No Calib	
113)	N-OCTANE	6.852	85	2775	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.003	59	291	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	5930	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5036	No Calib	
118)	CYCLOHEXANONE	9.788	55	1476	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	21610	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8214	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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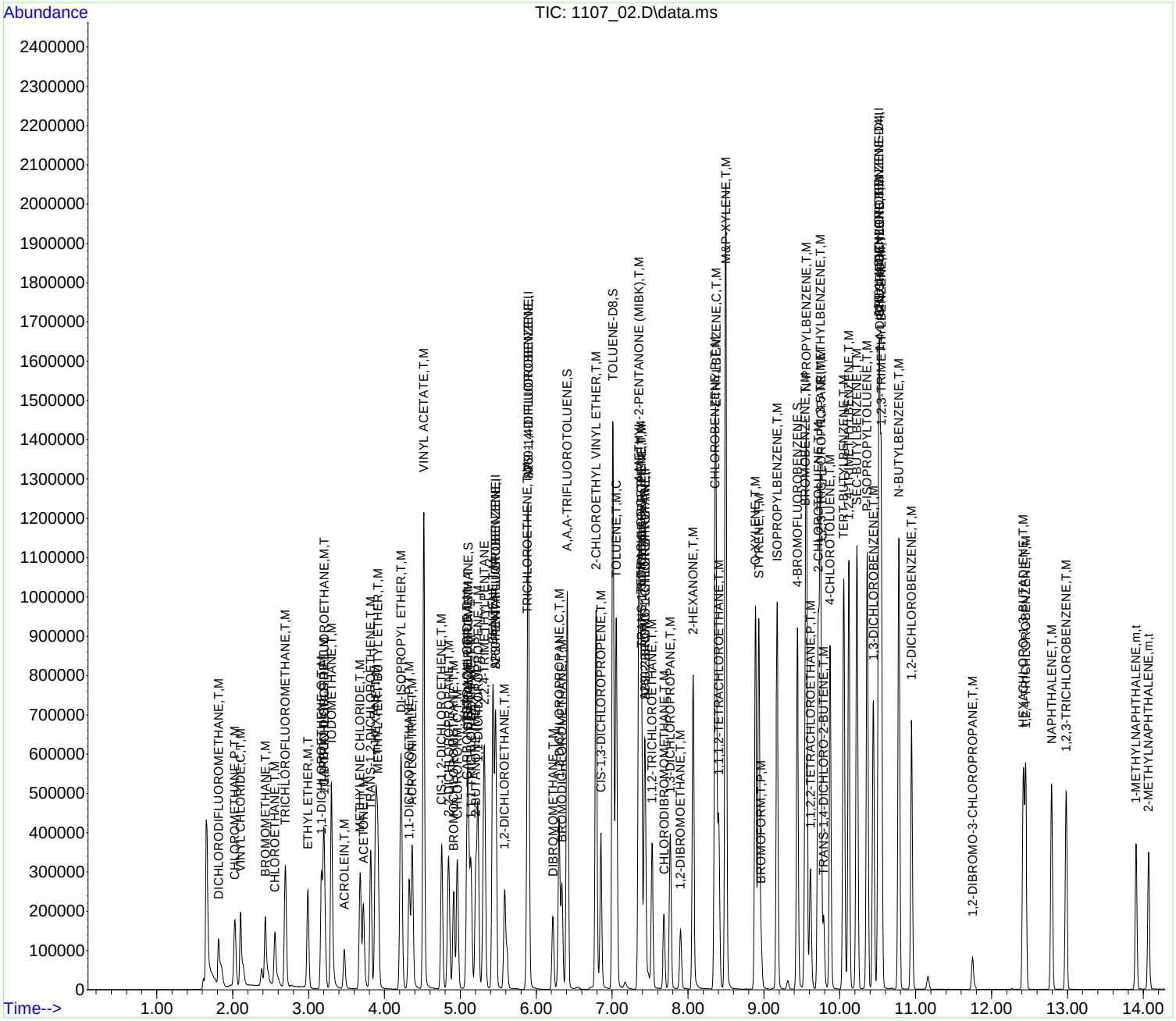
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration



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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	414804	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	761685	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	131364	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	329538	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	415755	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	761685	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	131364	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	329538	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	221744	43.2539995	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 108.13%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	394211	40.5854980	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 101.46%			
46) TOLUENE-D8	7.010	98	962399	41.1963052	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.99%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 98.48%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6656065	No Calib		
3) DICHLORODIFLUOROMETHANE	1.814	85	173646	24.3982603	ppb	99
4) CHLOROMETHANE	2.029	50	206223	21.1764612	ppb	99
5) VINYL CHLORIDE	2.103	62	226875	22.0778313	ppb	97
6) BROMOMETHANE	2.431	94	134228	24.0705745	ppb	99
7) CHLOROETHANE	2.557	64	146461	23.4300471	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	263818	22.7479198	ppb	99
9) ETHYL ETHER	2.991	59	140025	22.3680736	ppb	99
10) ACROLEIN	3.470	56	87124	117.8485318	ppb	100
11) 1,1-DICHLOROETHENE	3.168	96	105371	20.6384994	ppb	100
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	115426	21.0010453	ppb	99
13) ACETONE	3.724	43	262268	128.3490149	ppb	99
14) IODOMETHANE	3.303	142	648858	99.7639003	ppb	100
15) CARBON DISULFIDE	3.200	76	241241	17.0211989	ppb	99
16) METHYLENE CHLORIDE	3.679	84	138928	21.7252731	ppb	99

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	290013	124.6655944	ppb		99
18) n-HEXANE	3.885	56	129629	18.9496461	ppb		95
19) TRANS-1,2-DICHLOROETHENE	3.817	96	128501	20.9770224	ppb		99
20) METHYL TERT-BUTYL ETHER	3.910	73	375009	23.7509273	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	273552	22.4921230	ppb		99
22) VINYL ACETATE	4.518	43	1698913	134.3542099	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	538219	24.0465629	ppb		99
24) 2,2-DICHLOROPROPANE	4.846	77	199510	23.2787450	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.753	96	151837	22.4780140	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	99051	122.7979195	ppb		95
27) BROMOCHLOROMETHANE	4.910	130	76408	22.8218160	ppb		100
28) TETRAHYDROFURAN	5.100	42	48217	24.1611819	ppb		96
29) CHLOROFORM	4.962	83	252620	23.1020215	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	206166	23.1130027	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	158291	20.8469129	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	212522	21.8683503	ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	648996	21.3805966	ppb		99
35) BENZENE	5.431	78	642109	22.2757743	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	196885	23.3620314	ppb		100
38) TRICHLOROETHENE	5.881	130	141631	22.1748193	ppb	#	99
39) 1,2-DICHLOROPROPANE	6.302	62	121159	23.5313956	ppb		100
40) DIBROMOMETHANE	6.219	93	76572	23.0251301	ppb		100
41) BROMODICHLOROMETHANE	6.338	83	173379	23.6663318	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	418091	147.3875991	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	223654	23.8687035	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	314849	127.4457625	ppb		99
47) TOLUENE	7.055	91	682188	21.9067986	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	47069	23.6946451	ppb		95
50) 1,1,2-TRICHLOROETHANE	7.524	97	122527	22.1113960	ppb		99
51) TETRACHLOROETHENE	7.380	164	109725	20.4596310	ppb		98
52) 1,3-DICHLOROPROPANE	7.765	76	238621	21.6466168	ppb		100
53) 2-HEXANONE	8.068	58	305154	126.6863519	ppb		99
54) CHLORODIBROMOMETHANE	7.685	129	102654	22.3481246	ppb		99
55) 1,2-DIBROMOETHANE	7.900	107	111976	22.4625570	ppb		100
56) CHLOROBENZENE	8.354	112	421187	21.7011557	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	115218	22.4699434	ppb		99

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Misc : water ISSURR11J03320
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InstName : VOCMS22

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QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	238596	21.5462947 ppb	98
59)	M&P-XYLENE	8.499	106	593895	44.1150429 ppb	100
60)	O-XYLENE	8.888	106	279430	22.5642252 ppb	99
61)	STYRENE	8.933	104	473058	23.5207750 ppb	100
62)	BROMOFORM	8.962	173	52928	20.1005602 ppb	98
63)	ISOPROPYLBENZENE	9.174	105	704320	23.1023370 ppb	99
65)	BROMOBENZENE	9.547	77	344784	21.8439820 ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	170935	23.3230014 ppb	100
67)	1,2,3-TRICHLOROPROPANE	9.752	110	50234	23.3508295 ppb	100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	44136	23.6298247 ppb	98
69)	N-PROPYLBENZENE	9.560	91	957825	22.4034093 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	612332	22.3988946 ppb	100
71)	4-CHLOROTOLUENE	9.871	91	556520	22.6692340 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	639425	23.1707178 ppb	98
73)	TERT-BUTYLBENZENE	10.052	119	537070	23.0577333 ppb	99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	643664	23.2063405 ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	862704	23.0541017 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	311429	22.2621222 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	688624	23.6073955 ppb	99
79)	1,4-DICHLOROBENZENE	10.527	146	321455	22.4782059 ppb	89
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	686804	22.8229690 ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	287992	22.8840017 ppb	99
82)	N-BUTYLBENZENE	10.778	91	697572	24.0152830 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	20194	23.3550148 ppb	98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	175431	22.6032292 ppb	99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	109086	22.3206253 ppb	99
86)	NAPHTHALENE	12.791	128	419893	21.5186886 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	161432	22.4580297 ppb	99
88)	1-METHYLNAPHTHALENE	13.903	142	176449	17.9262915 ppb	98
89)	2-METHYLNAPHTHALENE	14.067	142	171913	19.9900434 ppb	99
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	8611	No Calib #	
94)	ACETONITRILE	4.074	41	518	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.897	59	583	No Calib #	

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97)	CHLOROPRENE	4.364	53	290013	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1344	No Calib	#
99)	PROPIONITRILE	5.315	54	1852	No Calib	
100)	ETHYL ACETATE	5.048	43	2092	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1147	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.232	59	876	No Calib	#
104)	ISOBUTANOL	5.508	43	239	No Calib	#
105)	T-AMYL ALCOHOL	5.614	59	2150	No Calib	#
106)	TERT-AMYL METHYL ETHER	5.431	73	11207	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	11306	No Calib	#
110)	2-NITROPROPANE	7.354	43	828831	No Calib	
111)	METHYL METHACRYLATE	6.528	41	958	No Calib	#
112)	1,4-DIOXANE	6.405	88	4955	No Calib	
113)	N-OCTANE	6.852	85	2775	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.003	59	291	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	5930	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5036	No Calib	
118)	CYCLOHEXANONE	9.788	55	1476	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	21610	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8214	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

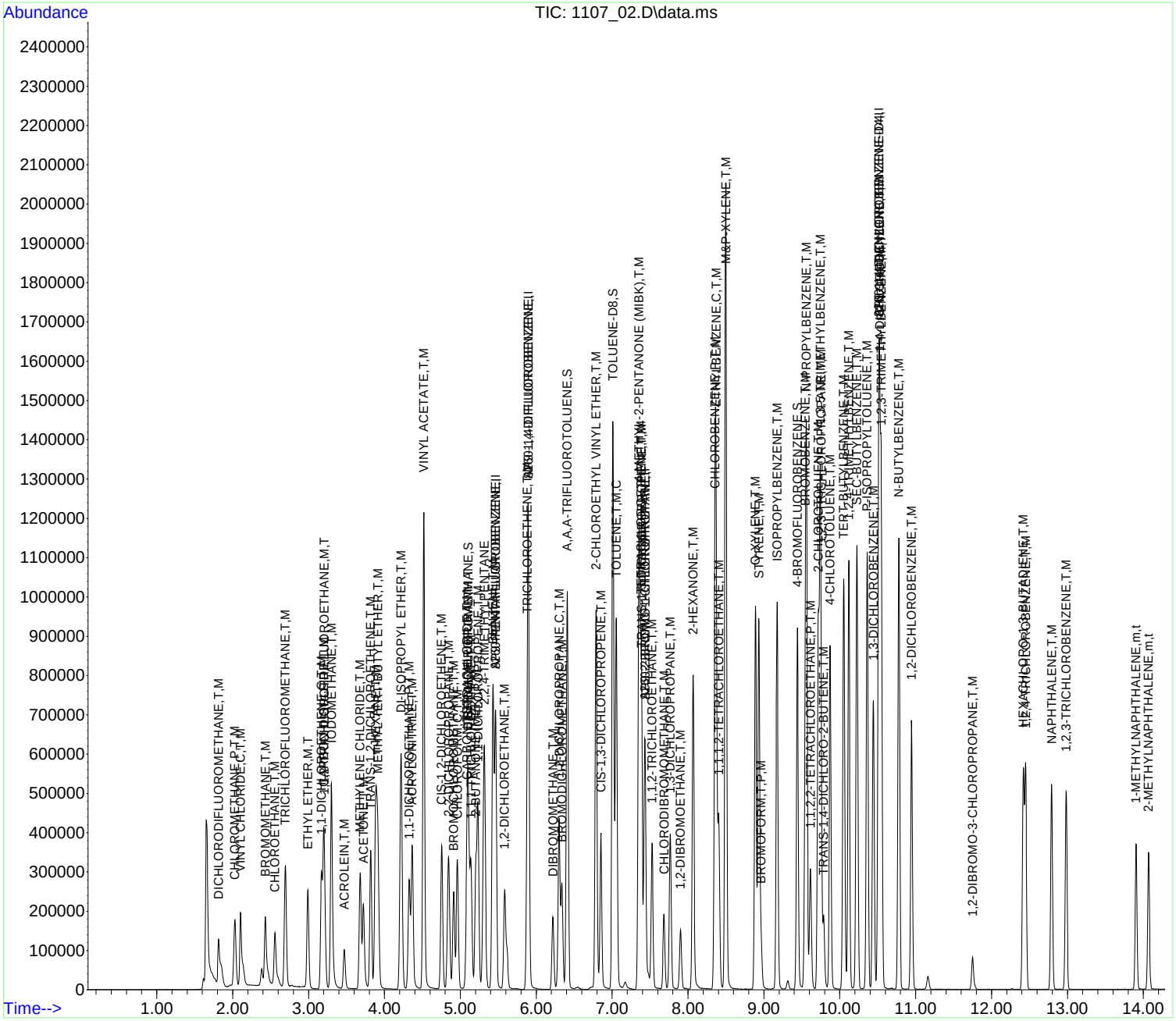
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_02.D
Acq On : 7 Nov 2011 10:27 am
Operator : 209
Sample : ICV VMS 25 ppb 11J21182

ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 10:55:28 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_03.D
Acq On : 7 Nov 2011 11:12 am
Operator : 209
Sample : LCS 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	432130	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	787144	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	133476	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	343002	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	432396	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	787144	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	133476	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	343002	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	223271	41.8056740	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 104.51%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	410552	40.9007740	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.25%			
46) TOLUENE-D8	7.010	98	992478	41.1097850	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.77%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 99.29%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6057041	No Calib		
3) DICHLORODIFLUOROMETHANE	1.814	85	151761	20.4683472	ppb	100
4) CHLOROMETHANE	2.026	50	184154	18.1520618	ppb	100
5) VINYL CHLORIDE	2.103	62	204095	19.0647297	ppb	96
6) BROMOMETHANE	2.428	94	118806	20.4507966	ppb	99
7) CHLOROETHANE	2.557	64	133547	20.5075520	ppb	98
8) TRICHLOROFLUOROMETHANE	2.695	101	247815	20.5113088	ppb	100
9) ETHYL ETHER	2.991	59	141073	21.6319376	ppb	98
10) ACROLEIN	3.473	56	6074	7.8865975	ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	92204	17.3354570	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	99475	17.3731965	ppb	99
13) ACETONE	3.724	43	263858	123.9498540	ppb	99
14) IODOMETHANE	3.303	142	578713	85.4113355	ppb	99
15) CARBON DISULFIDE	3.200	76	176215	11.9346701	ppb	99
16) METHYLENE CHLORIDE	3.679	84	130951	19.6567991	ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_03.D
Acq On : 7 Nov 2011 11:12 am
Operator : 209
Sample : LCS 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	293311	121.0280441	ppb		99
18) n-HEXANE	3.885	56	93059	13.0582756	ppb		84
19) TRANS-1,2-DICHLOROETHENE	3.817	96	113484	17.7828141	ppb		99
20) METHYL TERT-BUTYL ETHER	3.910	73	387602	23.5642384	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	264581	20.8822710	ppb		100
22) VINYL ACETATE	4.518	43	1639815	124.4811273	ppb		99
23) DI-ISOPROPYL ETHER	4.216	45	530657	22.7581209	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	197196	22.0862261	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.753	96	147156	20.9115785	ppb		99
26) 2-BUTANONE (MEK)	5.203	72	101832	121.1839031	ppb		90
27) BROMOCHLOROMETHANE	4.910	130	74035	21.2264304	ppb		97
28) TETRAHYDROFURAN	5.100	42	52845	25.4185287	ppb		97
29) CHLOROFORM	4.962	83	252788	22.1905070	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	195976	21.0897161	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	147277	18.6186838	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	195044	19.2651875	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	529603	16.7477610	ppb		99
35) BENZENE	5.428	78	610683	20.3361342	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	187841	21.3952262	ppb		99
38) TRICHLOROETHENE	5.881	130	131884	19.9809021	ppb	#	99
39) 1,2-DICHLOROPROPANE	6.303	62	113585	21.3468698	ppb		98
40) DIBROMOMETHANE	6.219	93	72255	21.0242843	ppb		98
41) BROMODICHLOROMETHANE	6.338	83	160733	21.2305243	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	420395	143.4065148	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	210175	21.7047321	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	335024	131.2260979	ppb		99
47) TOLUENE	7.055	91	657236	20.4228993	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	43869	21.3694914	ppb		100
50) 1,1,2-TRICHLOROETHANE	7.524	97	121096	21.5073717	ppb		100
51) TETRACHLOROETHENE	7.380	164	103532	18.9994046	ppb		99
52) 1,3-DICHLOROPROPANE	7.766	76	236899	21.1503606	ppb		98
53) 2-HEXANONE	8.068	58	324211	132.4682167	ppb		99
54) CHLORODIBROMOMETHANE	7.685	129	99760	21.3744441	ppb		99
55) 1,2-DIBROMOETHANE	7.901	107	111196	21.9531371	ppb		98
56) CHLOROBENZENE	8.357	112	408146	20.6964868	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	115197	22.1103693	ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_03.D
Acq On : 7 Nov 2011 11:12 am
Operator : 209
Sample : LCS 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	231975	20.6169207 ppb	99
59)	M&P-XYLENE	8.499	106	577238	42.1992887 ppb	99
60)	O-XYLENE	8.888	106	271219	21.5546357 ppb	99
61)	STYRENE	8.936	104	320531	15.6848531 ppb	100
62)	BROMOFORM	8.965	173	53363	19.9488683 ppb	98
63)	ISOPROPYLBENZENE	9.174	105	746491	24.0981471 ppb	100
65)	BROMOBENZENE	9.547	77	340521	21.2325320 ppb	99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	168730	22.6578621 ppb	100
67)	1,2,3-TRICHLOROPROPANE	9.753	110	51423	23.5252985 ppb	100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	46146	24.3150278 ppb	99
69)	N-PROPYLBENZENE	9.560	91	938392	21.6015753 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	592113	21.3165741 ppb	100
71)	4-CHLOROTOLUENE	9.872	91	541493	21.7081141 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	612338	21.8380707 ppb	100
73)	TERT-BUTYLBENZENE	10.055	119	522805	22.0901482 ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	605198	21.4742550 ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	837782	22.0338607 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	305588	21.4989370 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	671640	22.6608218 ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	318957	21.4280400 ppb	86
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	638256	20.3771330 ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	285171	21.7703673 ppb	99
82)	N-BUTYLBENZENE	10.778	91	682400	22.5707783 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.753	157	21269	23.6327203 ppb	99
84)	1,2,4-TRICHLOROBENZENE	12.450	180	185412	22.9514875 ppb	100
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	107112	21.0564095 ppb	99
86)	NAPHTHALENE	12.791	128	436891	21.5109264 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	165121	22.0695351 ppb	100
88)	1-METHYLNAPHTHALENE	13.904	142	197915	19.3178511 ppb	100
89)	2-METHYLNAPHTHALENE	14.071	142	192388	21.4927431 ppb	98
91)	ETHANOL	3.168	45	166	No Calib #	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	11060	No Calib #	
94)	ACETONITRILE	4.129	41	185	No Calib #	
95)	ALLYL CHLORIDE	3.373	76	869	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.901	59	1159	No Calib #	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_03.D
Acq On : 7 Nov 2011 11:12 am
Operator : 209
Sample : LCS 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

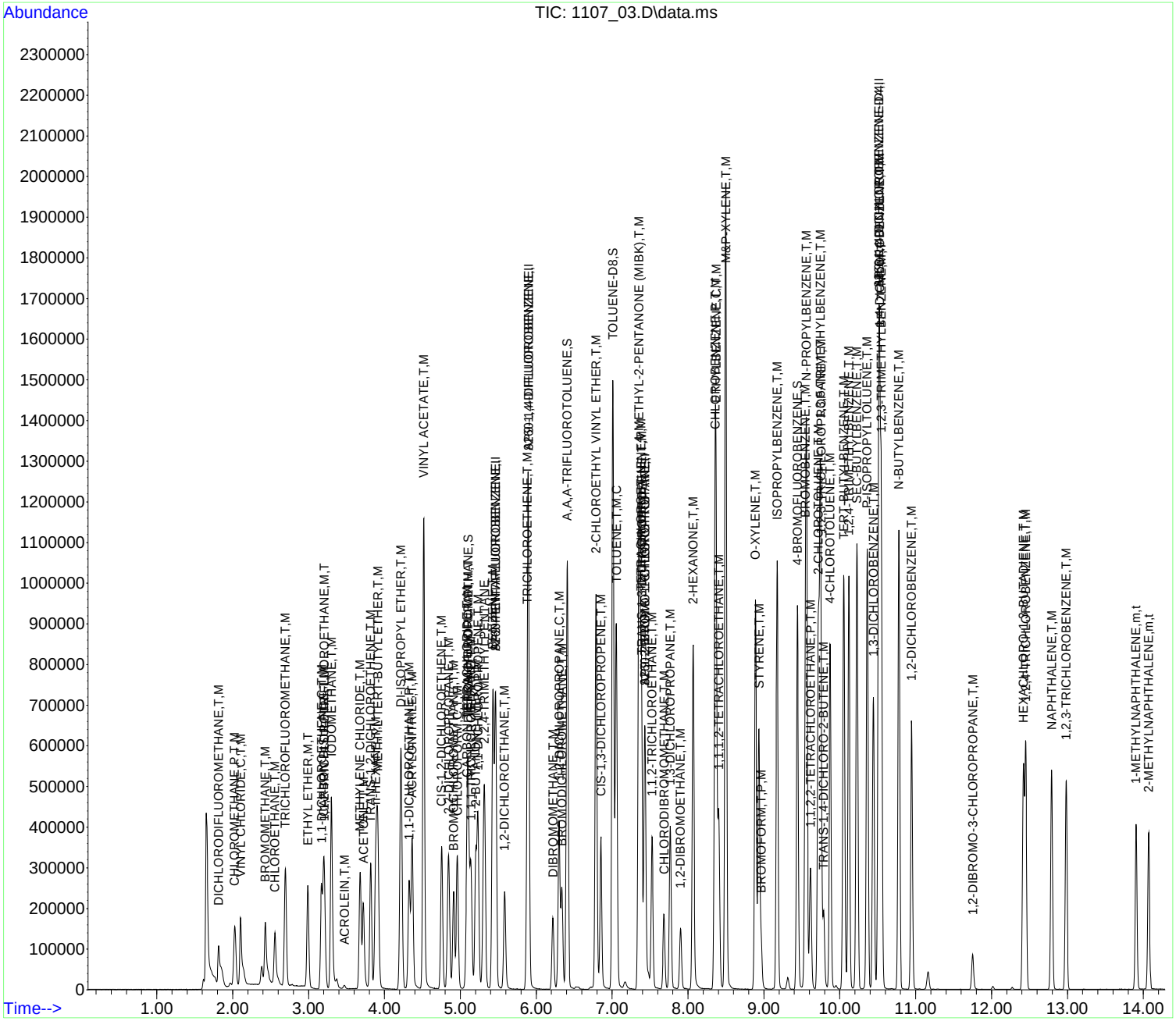
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	293311	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	1311	No Calib	#
99)	PROPIONITRILE	5.306	54	884	No Calib	#
100)	ETHYL ACETATE	5.052	43	2265	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1457	No Calib	#
102)	CYCLOHEXANE	4.984	56	179	No Calib	#
103)	TERT-BUTYL FORMATE	5.232	59	811	No Calib	#
104)	ISOBUTANOL	5.457	43	838	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	10369	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11668	No Calib	#
110)	2-NITROPROPANE	7.354	43	873403	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1384	No Calib	#
112)	1,4-DIOXANE	6.405	88	5431	No Calib	#
113)	N-OCTANE	6.852	85	2590	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	249	No Calib	#
116)	ETHYL METHACRYLATE	7.351	69	6204	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4602	No Calib	
118)	CYCLOHEXANONE	9.785	55	1284	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	21217	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8885	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_03.D
Acq On : 7 Nov 2011 11:12 am
Operator : 209
Sample : LCS 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_03.D
Acq On : 7 Nov 2011 11:12 am
Operator : 209
Sample : LCS 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	5.463	168	432130	40.0000000 ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	787144	40.0000000 ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	133476	40.0000000 ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	343002	40.0000000 ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	432396	40.0000000 ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	787144	40.0000000 ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	133476	40.0000000 ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	343002	40.0000000 ppb	0.00
System Monitoring Compounds					
30) DIBROMOFLUOROMETHANE	5.103	111	223271	41.8056740 ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 104.51%		
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	410552	40.9007740 ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.25%		
46) TOLUENE-D8	7.010	98	992478	41.1097850 ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.77%		
Spiked Amount 40.000	Range 75 - 128		Recovery = 99.29%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6057041	No Calib	
3) DICHLORODIFLUOROMETHANE	1.814	85	151761	20.4683472 ppb	100
4) CHLOROMETHANE	2.026	50	184154	18.1520618 ppb	100
5) VINYL CHLORIDE	2.103	62	204095	19.0647297 ppb	96
6) BROMOMETHANE	2.428	94	118806	20.4507966 ppb	99
7) CHLOROETHANE	2.557	64	133547	20.5075520 ppb	98
8) TRICHLOROFLUOROMETHANE	2.695	101	247815	20.5113088 ppb	100
9) ETHYL ETHER	2.991	59	141073	21.6319376 ppb	98
10) ACROLEIN	3.473	56	6074	7.8865975 ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	92204	17.3354570 ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	99475	17.3731965 ppb	99
13) ACETONE	3.724	43	263858	123.9498540 ppb	99
14) IODOMETHANE	3.303	142	578713	85.4113355 ppb	99
15) CARBON DISULFIDE	3.200	76	176215	11.9346701 ppb	99
16) METHYLENE CHLORIDE	3.679	84	130951	19.6567991 ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_03.D
Acq On : 7 Nov 2011 11:12 am
Operator : 209
Sample : LCS 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	293311	121.0280441	ppb		99
18)	n-HEXANE	3.885	56	93059	13.0582756	ppb		84
19)	TRANS-1,2-DICHLOROETHENE	3.817	96	113484	17.7828141	ppb		99
20)	METHYL TERT-BUTYL ETHER	3.910	73	387602	23.5642384	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	264581	20.8822710	ppb		100
22)	VINYL ACETATE	4.518	43	1639815	124.4811273	ppb		99
23)	DI-ISOPROPYL ETHER	4.216	45	530657	22.7581209	ppb		100
24)	2,2-DICHLOROPROPANE	4.846	77	197196	22.0862261	ppb		99
25)	CIS-1,2-DICHLOROETHENE	4.753	96	147156	20.9115785	ppb		99
26)	2-BUTANONE (MEK)	5.203	72	101832	121.1839031	ppb		90
27)	BROMOCHLOROMETHANE	4.910	130	74035	21.2264304	ppb		97
28)	TETRAHYDROFURAN	5.100	42	52845	25.4185287	ppb		97
29)	CHLOROFORM	4.962	83	252788	22.1905070	ppb		99
31)	1,1,1-TRICHLOROETHANE	5.139	97	195976	21.0897161	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	147277	18.6186838	ppb		99
33)	1,1-DICHLOROPROPENE	5.232	75	195044	19.2651875	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	529603	16.7477610	ppb		99
35)	BENZENE	5.428	78	610683	20.3361342	ppb		100
36)	1,2-DICHLOROETHANE	5.582	62	187841	21.3952262	ppb		99
38)	TRICHLOROETHENE	5.881	130	131884	19.9809021	ppb	#	99
39)	1,2-DICHLOROPROPANE	6.303	62	113585	21.3468698	ppb		98
40)	DIBROMOMETHANE	6.219	93	72255	21.0242843	ppb		98
41)	BROMODICHLOROMETHANE	6.338	83	160733	21.2305243	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	420395	143.4065148	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	210175	21.7047321	ppb		100
45)	4-METHYL-2-PENTANONE (...	7.354	58	335024	131.2260979	ppb		99
47)	TOLUENE	7.055	91	657236	20.4228993	ppb		100
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	43869	21.3694914	ppb		100
50)	1,1,2-TRICHLOROETHANE	7.524	97	121096	21.5073717	ppb		100
51)	TETRACHLOROETHENE	7.380	164	103532	18.9994046	ppb		99
52)	1,3-DICHLOROPROPANE	7.766	76	236899	21.1503606	ppb		98
53)	2-HEXANONE	8.068	58	324211	132.4682167	ppb		99
54)	CHLORODIBROMOMETHANE	7.685	129	99760	21.3744441	ppb		99
55)	1,2-DIBROMOETHANE	7.901	107	111196	21.9531371	ppb		98
56)	CHLOROBENZENE	8.357	112	408146	20.6964868	ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	115197	22.1103693	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_03.D
Acq On : 7 Nov 2011 11:12 am
Operator : 209
Sample : LCS 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	231975	20.6169207 ppb	99
59)	M&P-XYLENE	8.499	106	577238	42.1992887 ppb	99
60)	O-XYLENE	8.888	106	271219	21.5546357 ppb	99
61)	STYRENE	8.936	104	320531	15.6848531 ppb	100
62)	BROMOFORM	8.965	173	53363	19.9488683 ppb	98
63)	ISOPROPYLBENZENE	9.174	105	746491	24.0981471 ppb	100
65)	BROMOBENZENE	9.547	77	340521	21.2325320 ppb	99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	168730	22.6578621 ppb	100
67)	1,2,3-TRICHLOROPROPANE	9.753	110	51423	23.5252985 ppb	100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	46146	24.3150278 ppb	99
69)	N-PROPYLBENZENE	9.560	91	938392	21.6015753 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	592113	21.3165741 ppb	100
71)	4-CHLOROTOLUENE	9.872	91	541493	21.7081141 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	612338	21.8380707 ppb	100
73)	TERT-BUTYLBENZENE	10.055	119	522805	22.0901482 ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	605198	21.4742550 ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	837782	22.0338607 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	305588	21.4989370 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	671640	22.6608218 ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	318957	21.4280400 ppb	86
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	638256	20.3771330 ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	285171	21.7703673 ppb	99
82)	N-BUTYLBENZENE	10.778	91	682400	22.5707783 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.753	157	21269	23.6327203 ppb	99
84)	1,2,4-TRICHLOROBENZENE	12.450	180	185412	22.9514875 ppb	100
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	107112	21.0564095 ppb	99
86)	NAPHTHALENE	12.791	128	436891	21.5109264 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	165121	22.0695351 ppb	100
88)	1-METHYLNAPHTHALENE	13.904	142	197915	19.3178511 ppb	100
89)	2-METHYLNAPHTHALENE	14.071	142	192388	21.4927431 ppb	98
91)	ETHANOL	3.168	45	166	No Calib #	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	11060	No Calib #	
94)	ACETONITRILE	4.129	41	185	No Calib #	
95)	ALLYL CHLORIDE	3.373	76	869	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.901	59	1159	No Calib #	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_03.D
Acq On : 7 Nov 2011 11:12 am
Operator : 209
Sample : LCS 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:27:59 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	293311	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	1311	No Calib	#
99)	PROPIONITRILE	5.306	54	884	No Calib	#
100)	ETHYL ACETATE	5.052	43	2265	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1457	No Calib	#
102)	CYCLOHEXANE	4.984	56	179	No Calib	#
103)	TERT-BUTYL FORMATE	5.232	59	811	No Calib	#
104)	ISOBUTANOL	5.457	43	838	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	10369	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11668	No Calib	#
110)	2-NITROPROPANE	7.354	43	873403	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1384	No Calib	#
112)	1,4-DIOXANE	6.405	88	5431	No Calib	#
113)	N-OCTANE	6.852	85	2590	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	249	No Calib	#
116)	ETHYL METHACRYLATE	7.351	69	6204	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4602	No Calib	
118)	CYCLOHEXANONE	9.785	55	1284	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	21217	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8885	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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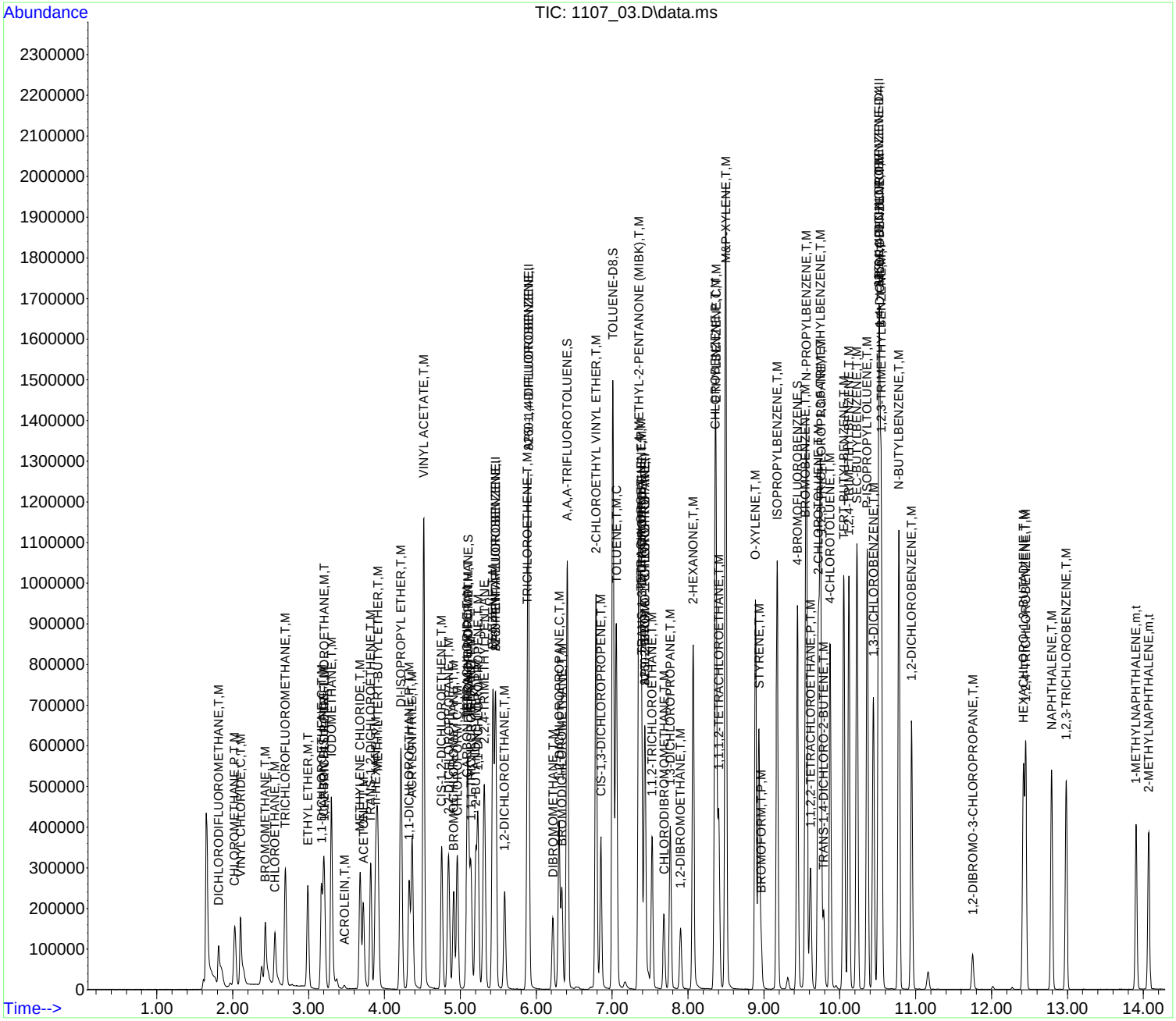
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:28:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	5.463	168	417880	40.0000000 ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	752361	40.0000000 ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	121038	40.0000000 ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	319936	40.0000000 ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	418933	40.0000000 ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	752361	40.0000000 ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	121038	40.0000000 ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	319936	40.0000000 ppb	0.00
System Monitoring Compounds					
30) DIBROMOFLUOROMETHANE	5.106	111	213175	41.2764193 ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 103.19%		
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	397655	41.4474405 ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.62%		
46) TOLUENE-D8	7.010	98	948655	41.1112358 ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.78%		
Spiked Amount 40.000	Range 75 - 128		Recovery = 103.19%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6235510	No Calib	
3) DICHLORODIFLUOROMETHANE	1.817	85	144018	20.0864044 ppb	99
4) CHLOROMETHANE	2.026	50	179383	18.2847454 ppb	100
5) VINYL CHLORIDE	2.107	62	198448	19.1693702 ppb	96
6) BROMOMETHANE	2.431	94	117729	20.9564705 ppb	99
7) CHLOROETHANE	2.560	64	131971	20.9566096 ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	245246	20.9908752 ppb	100
9) ETHYL ETHER	2.991	59	137954	21.8750296 ppb	99
10) ACROLEIN	3.473	56	4883	6.5563849 ppb	98
11) 1,1-DICHLOROETHENE	3.171	96	89830	17.4650472 ppb	100
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	97823	17.6672759 ppb	100
13) ACETONE	3.724	43	247963	120.4551761 ppb	100
14) IODOMETHANE	3.303	142	564882	86.2130167 ppb	100
15) CARBON DISULFIDE	3.200	76	169783	11.8911698 ppb	99
16) METHYLENE CHLORIDE	3.679	84	128495	19.9458726 ppb	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:28:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	280813	119.8223148	ppb		99
18) n-HEXANE	3.888	56	92185	13.3767479	ppb		85
19) TRANS-1,2-DICHLOROETHENE	3.820	96	111861	18.1262257	ppb		100
20) METHYL TERT-BUTYL ETHER	3.910	73	379271	23.8440413	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	262017	21.3851044	ppb		100
22) VINYL ACETATE	4.518	43	1626266	127.6624198	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	525246	23.2942154	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	195157	22.6032234	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.756	96	146161	21.4784619	ppb		99
26) 2-BUTANONE (MEK)	5.203	72	100131	123.2230765	ppb		96
27) BROMOCHLOROMETHANE	4.910	130	71340	21.1512395	ppb		98
28) TETRAHYDROFURAN	5.100	42	49629	24.6856668	ppb		95
29) CHLOROFORM	4.962	83	247880	22.5016875	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	193755	21.5617295	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	144845	18.9356573	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	191023	19.5114318	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	524110	17.1392414	ppb		100
35) BENZENE	5.431	78	602568	20.7501607	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	183667	21.6331845	ppb		99
38) TRICHLOROETHENE	5.881	130	130360	20.6630891	ppb	#	52
39) 1,2-DICHLOROPROPANE	6.303	62	114718	22.5565513	ppb		99
40) DIBROMOMETHANE	6.219	93	71969	21.9092090	ppb		99
41) BROMODICHLOROMETHANE	6.341	83	159299	22.0138819	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	409833	146.2669410	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	208303	22.5059221	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	318894	130.6828381	ppb		100
47) TOLUENE	7.055	91	651786	21.1899043	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	43439	22.1382957	ppb		98
50) 1,1,2-TRICHLOROETHANE	7.528	97	120873	23.6738171	ppb		99
51) TETRACHLOROETHENE	7.380	164	102249	20.6921635	ppb		99
52) 1,3-DICHLOROPROPANE	7.766	76	233360	22.9753644	ppb		99
53) 2-HEXANONE	8.068	58	305425	137.6163297	ppb		98
54) CHLORODIBROMOMETHANE	7.685	129	98225	23.2082220	ppb		98
55) 1,2-DIBROMOETHANE	7.901	107	108929	23.7155055	ppb		98
56) CHLOROBENZENE	8.357	112	403720	22.5757816	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	112835	23.8825175	ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:28:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	228302	22.3755530 ppb	99
59)	M&P-XYLENE	8.499	106	568077	45.7971938 ppb	100
60)	O-XYLENE	8.888	106	267552	23.4482385 ppb	100
61)	STYRENE	8.933	104	316886	17.0999529 ppb	99
62)	BROMOFORM	8.962	173	50867	20.9448901 ppb	98
63)	ISOPROPYLBENZENE	9.174	105	732812	26.0875378 ppb	100
65)	BROMOBENZENE	9.547	77	332835	22.8859171 ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	164527	24.3638124 ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.753	110	48561	24.4989121 ppb	99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	42967	24.9664725 ppb	97
69)	N-PROPYLBENZENE	9.560	91	926542	23.5205613 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	583587	23.1686039 ppb	99
71)	4-CHLOROTOLUENE	9.872	91	531178	23.4828483 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	603151	23.7208667 ppb	100
73)	TERT-BUTYLBENZENE	10.052	119	519243	24.1941847 ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	594323	23.2554423 ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	822363	23.8508895 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	301791	23.4136122 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	661371	24.6073980 ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	314144	22.6262520 ppb	89
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	622902	21.3206991 ppb	99
81)	1,2-DICHLOROBENZENE	10.945	146	276910	22.6637921 ppb	100
82)	N-BUTYLBENZENE	10.778	91	666711	23.6416988 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	19376	23.0815150 ppb	99
84)	1,2,4-TRICHLOROBENZENE	12.450	180	181975	24.1500631 ppb	100
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	104579	22.0406408 ppb	100
86)	NAPHTHALENE	12.791	128	426643	22.5208191 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	160175	22.9519267 ppb	100
88)	1-METHYLNAPHTHALENE	13.904	142	191765	20.0670249 ppb	99
89)	2-METHYLNAPHTHALENE	14.068	142	187575	22.4658246 ppb	99
91)	ETHANOL	3.164	45	192	No Calib #	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	10579	No Calib #	
94)	ACETONITRILE	4.065	41	278	No Calib #	
95)	ALLYL CHLORIDE	3.377	76	284	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.914	59	1015	No Calib #	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:28:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	280813	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	1450	No Calib	#
99)	PROPIONITRILE	5.319	54	1508	No Calib	
100)	ETHYL ACETATE	5.045	43	2636	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1295	No Calib	#
102)	CYCLOHEXANE	4.997	56	178	No Calib	#
103)	TERT-BUTYL FORMATE	5.235	59	694	No Calib	#
104)	ISOBUTANOL	5.463	43	910	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	10378	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11288	No Calib	#
110)	2-NITROPROPANE	7.354	43	834660	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1384	No Calib	#
112)	1,4-DIOXANE	6.409	88	4818	No Calib	
113)	N-OCTANE	6.852	85	2581	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.016	59	312	No Calib	#
116)	ETHYL METHACRYLATE	7.357	69	6108	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4481	No Calib	
118)	CYCLOHEXANONE	9.785	55	1274	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	19960	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8678	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
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Quant Time: Nov 07 14:28:32 2011
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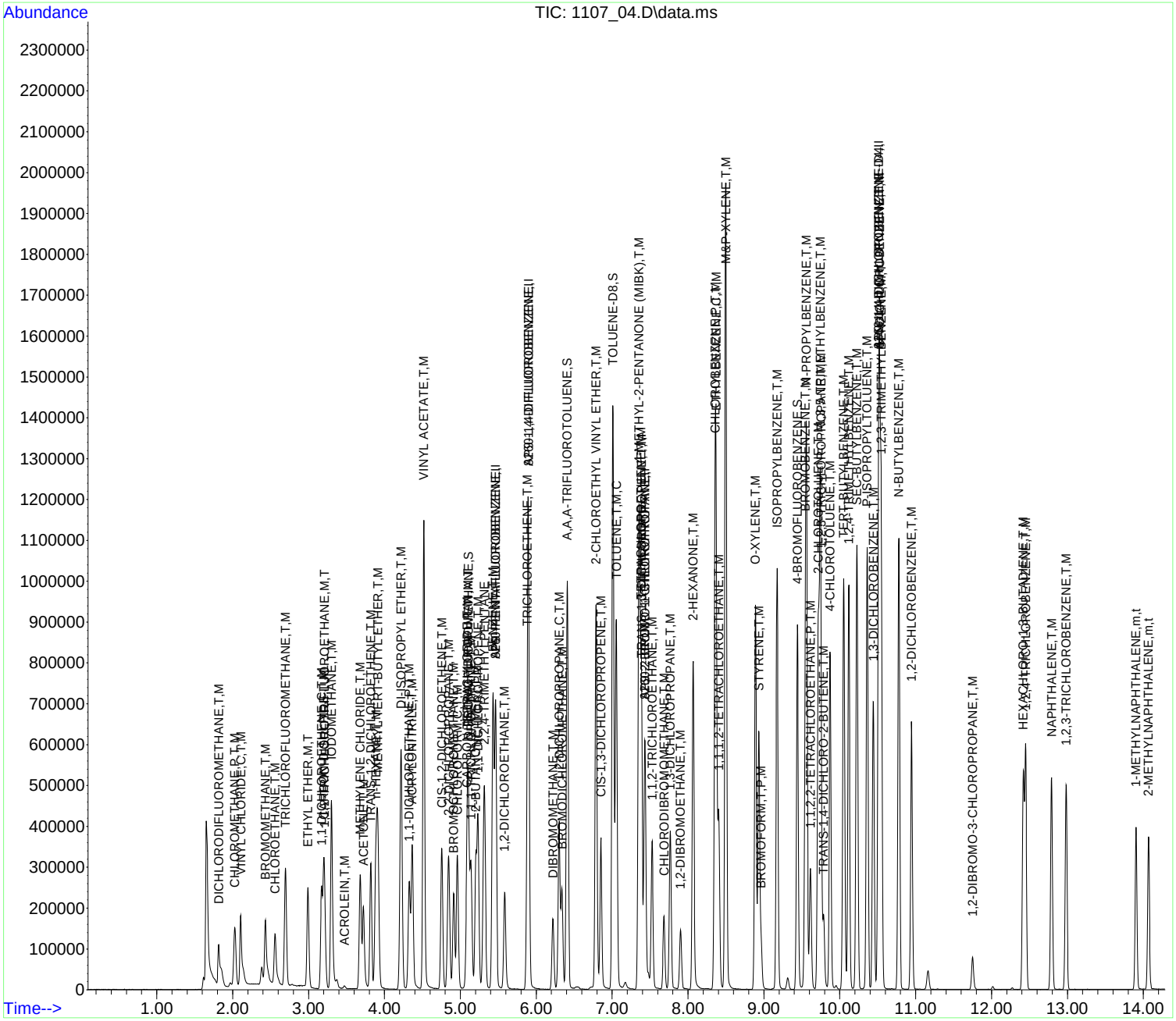
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:28:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	417880	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	752361	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	121038	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	319936	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	418933	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	752361	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	121038	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	319936	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	213175	41.2764193	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 103.19%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	397655	41.4474405	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.62%			
46) TOLUENE-D8	7.010	98	948655	41.1112358	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.78%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 103.19%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6235510	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	144018	20.0864044	ppb	99
4) CHLOROMETHANE	2.026	50	179383	18.2847454	ppb	100
5) VINYL CHLORIDE	2.107	62	198448	19.1693702	ppb	96
6) BROMOMETHANE	2.431	94	117729	20.9564705	ppb	99
7) CHLOROETHANE	2.560	64	131971	20.9566096	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	245246	20.9908752	ppb	100
9) ETHYL ETHER	2.991	59	137954	21.8750296	ppb	99
10) ACROLEIN	3.473	56	4883	6.5563849	ppb	98
11) 1,1-DICHLOROETHENE	3.171	96	89830	17.4650472	ppb	100
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	97823	17.6672759	ppb	100
13) ACETONE	3.724	43	247963	120.4551761	ppb	100
14) IODOMETHANE	3.303	142	564882	86.2130167	ppb	100
15) CARBON DISULFIDE	3.200	76	169783	11.8911698	ppb	99
16) METHYLENE CHLORIDE	3.679	84	128495	19.9458726	ppb	98

Quantitation Report (QT Reviewed)

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Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:28:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	280813	119.8223148	ppb		99
18) n-HEXANE	3.888	56	92185	13.3767479	ppb		85
19) TRANS-1,2-DICHLOROETHENE	3.820	96	111861	18.1262257	ppb		100
20) METHYL TERT-BUTYL ETHER	3.910	73	379271	23.8440413	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	262017	21.3851044	ppb		100
22) VINYL ACETATE	4.518	43	1626266	127.6624198	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	525246	23.2942154	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	195157	22.6032234	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.756	96	146161	21.4784619	ppb		99
26) 2-BUTANONE (MEK)	5.203	72	100131	123.2230765	ppb		96
27) BROMOCHLOROMETHANE	4.910	130	71340	21.1512395	ppb		98
28) TETRAHYDROFURAN	5.100	42	49629	24.6856668	ppb		95
29) CHLOROFORM	4.962	83	247880	22.5016875	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	193755	21.5617295	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	144845	18.9356573	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	191023	19.5114318	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	524110	17.1392414	ppb		100
35) BENZENE	5.431	78	602568	20.7501607	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	183667	21.6331845	ppb		99
38) TRICHLOROETHENE	5.881	130	130360	20.6630891	ppb	#	52
39) 1,2-DICHLOROPROPANE	6.303	62	114718	22.5565513	ppb		99
40) DIBROMOMETHANE	6.219	93	71969	21.9092090	ppb		99
41) BROMODICHLOROMETHANE	6.341	83	159299	22.0138819	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	409833	146.2669410	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	208303	22.5059221	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	318894	130.6828381	ppb		100
47) TOLUENE	7.055	91	651786	21.1899043	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	43439	22.1382957	ppb		98
50) 1,1,2-TRICHLOROETHANE	7.528	97	120873	23.6738171	ppb		99
51) TETRACHLOROETHENE	7.380	164	102249	20.6921635	ppb		99
52) 1,3-DICHLOROPROPANE	7.766	76	233360	22.9753644	ppb		99
53) 2-HEXANONE	8.068	58	305425	137.6163297	ppb		98
54) CHLORODIBROMOMETHANE	7.685	129	98225	23.2082220	ppb		98
55) 1,2-DIBROMOETHANE	7.901	107	108929	23.7155055	ppb		98
56) CHLOROBENZENE	8.357	112	403720	22.5757816	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	112835	23.8825175	ppb		99

Quantitation Report (QT Reviewed)

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Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:28:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	228302	22.3755530 ppb	99
59)	M&P-XYLENE	8.499	106	568077	45.7971938 ppb	100
60)	O-XYLENE	8.888	106	267552	23.4482385 ppb	100
61)	STYRENE	8.933	104	316886	17.0999529 ppb	99
62)	BROMOFORM	8.962	173	50867	20.9448901 ppb	98
63)	ISOPROPYLBENZENE	9.174	105	732812	26.0875378 ppb	100
65)	BROMOBENZENE	9.547	77	332835	22.8859171 ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	164527	24.3638124 ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.753	110	48561	24.4989121 ppb	99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	42967	24.9664725 ppb	97
69)	N-PROPYLBENZENE	9.560	91	926542	23.5205613 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	583587	23.1686039 ppb	99
71)	4-CHLOROTOLUENE	9.872	91	531178	23.4828483 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	603151	23.7208667 ppb	100
73)	TERT-BUTYLBENZENE	10.052	119	519243	24.1941847 ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	594323	23.2554423 ppb	99
75)	SEC-BUTYLBENZENE	10.225	105	822363	23.8508895 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	301791	23.4136122 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	661371	24.6073980 ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	314144	22.6262520 ppb	89
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	622902	21.3206991 ppb	99
81)	1,2-DICHLOROBENZENE	10.945	146	276910	22.6637921 ppb	100
82)	N-BUTYLBENZENE	10.778	91	666711	23.6416988 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	19376	23.0815150 ppb	99
84)	1,2,4-TRICHLOROBENZENE	12.450	180	181975	24.1500631 ppb	100
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	104579	22.0406408 ppb	100
86)	NAPHTHALENE	12.791	128	426643	22.5208191 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	160175	22.9519267 ppb	100
88)	1-METHYLNAPHTHALENE	13.904	142	191765	20.0670249 ppb	99
89)	2-METHYLNAPHTHALENE	14.068	142	187575	22.4658246 ppb	99
91)	ETHANOL	3.164	45	192	No Calib #	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	10579	No Calib #	
94)	ACETONITRILE	4.065	41	278	No Calib #	
95)	ALLYL CHLORIDE	3.377	76	284	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.914	59	1015	No Calib #	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 14:28:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	280813	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	1450	No Calib	#
99)	PROPIONITRILE	5.319	54	1508	No Calib	
100)	ETHYL ACETATE	5.045	43	2636	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1295	No Calib	#
102)	CYCLOHEXANE	4.997	56	178	No Calib	#
103)	TERT-BUTYL FORMATE	5.235	59	694	No Calib	#
104)	ISOBUTANOL	5.463	43	910	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	10378	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11288	No Calib	#
110)	2-NITROPROPANE	7.354	43	834660	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1384	No Calib	#
112)	1,4-DIOXANE	6.409	88	4818	No Calib	
113)	N-OCTANE	6.852	85	2581	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.016	59	312	No Calib	#
116)	ETHYL METHACRYLATE	7.357	69	6108	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4481	No Calib	
118)	CYCLOHEXANONE	9.785	55	1274	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	19960	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8678	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_04.D
Acq On : 7 Nov 2011 11:33 am
Operator : 209
Sample : LCSD 1x WG564454
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 4 Sample Multiplier: 1
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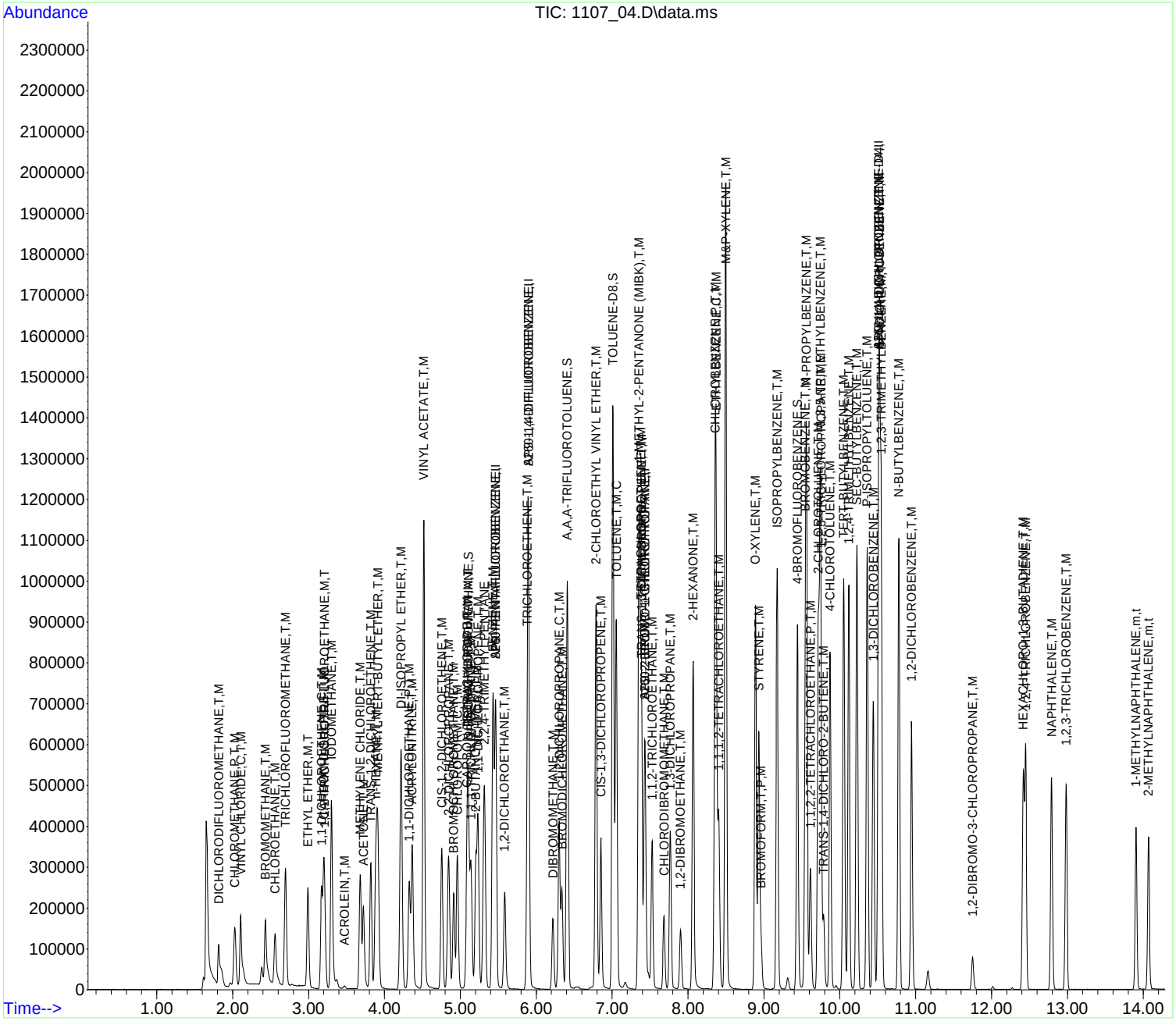
Quant Time: Nov 07 14:28:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.466	168	387280	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	708573	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	111330	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	283638	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.466	168	387280	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	708573	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	111330	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	283638	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	195399	40.8239099	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 102.06%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	379950	42.0493603	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 105.12%			
46) TOLUENE-D8	7.013	98	893765	41.1260738	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.82%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 101.93%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3845582	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	0.000		0	N.D.		
7) CHLOROETHANE	2.550	64	228	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.724	43	1869	0.9796578	ppb #	88
14) IODOMETHANE	3.312	142	336	N.D.		
15) CARBON DISULFIDE	0.000		0	N.D.		
16) METHYLENE CHLORIDE	3.672	84	239	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	4.521	43	368	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.097	117	1295	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	5.309	57	225	N.D.	
35) BENZENE	5.425	78	482	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.405	83	328	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.052	91	577	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.769	76	546	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	0.000		0	N.D.	
59) M&P-XYLENE	0.000		0	N.D.	
60) O-XYLENE	0.000		0	N.D.	
61) STYRENE	0.000		0	N.D.	
62) BROMOFORM	0.000		0	N.D.	
63) ISOPROPYLBENZENE	0.000		0	N.D.	
65) BROMOBENZENE	9.441	77	1724	N.D.	
66) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69) N-PROPYLBENZENE	9.563	91	308	N.D.	
70) 2-CHLOROTOLUENE	0.000		0	N.D.	
71) 4-CHLOROTOLUENE	0.000		0	N.D.	
72) 1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73) TERT-BUTYLBENZENE	0.000		0	N.D.	
74) 1,2,4-TRIMETHYLBENZENE	0.000		0	N.D.	
75) SEC-BUTYLBENZENE	0.000		0	N.D.	
76) 1,3-DICHLOROBENZENE	0.000		0	N.D.	
77) P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79) 1,4-DICHLOROBENZENE	10.527	146	275	N.D.	
80) 1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
82) N-BUTYLBENZENE	0.000		0	N.D.	
83) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84) 1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86) NAPHTHALENE	12.785	128	881	N.D.	
87) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88) 1-METHYLNAPHTHALENE	13.910	142	416	N.D.	
89) 2-METHYLNAPHTHALENE	14.067	142	205	N.D.	
91) ETHANOL	3.026	45	159	No Calib	#
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.827	43	408	No Calib	#
94) ACETONITRILE	0.000		0	N.D.	
95) ALLYL CHLORIDE	0.000		0	N.D.	
96) TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

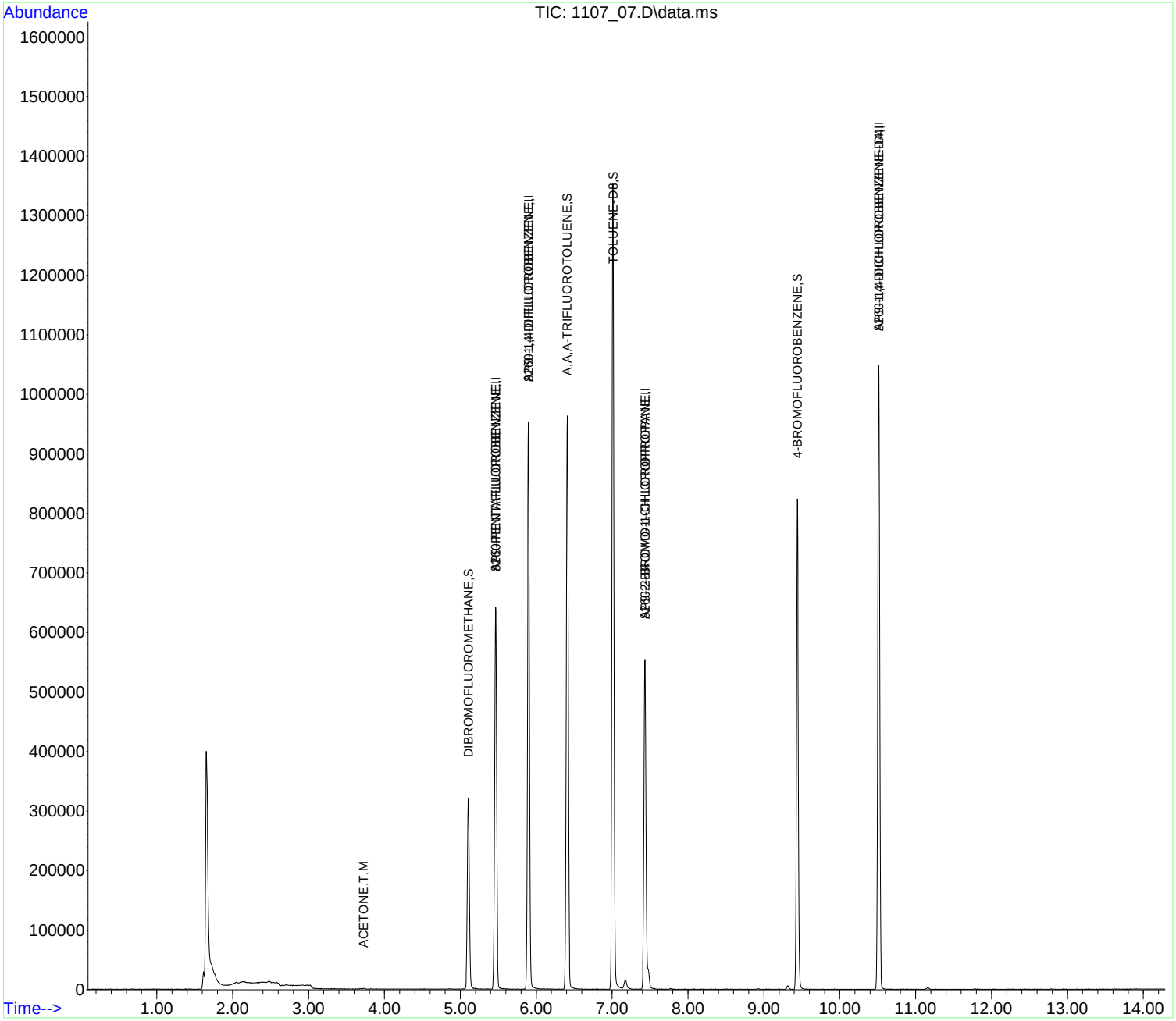
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.049	43	1113	No Calib		#
101)	METHACRYLONITRILE	5.460	67	1292	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.463	43	542	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.463	73	444	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	9719	No Calib		#
110)	2-NITROPROPANE	7.428	43	853	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	4831	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.000	59	244	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.466	168	387280	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	708573	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	111330	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	283638	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.466	168	387280	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.897	114	708573	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.434	79	111330	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.515	152	283638	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.106	111	195399	40.8239099	ppb	0.00
	Spiked Amount 40.000	Range 79 - 125		Recovery = 102.06%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	379950	42.0493603	ppb	0.00
	Spiked Amount 40.000	Range 84 - 114		Recovery = 105.12%			
46)	TOLUENE-D8	7.013	98	893765	41.1260738	ppb	0.00
	Spiked Amount 40.000	Range 87 - 114		Recovery = 102.82%			
	Spiked Amount 40.000	Range 75 - 128		Recovery = 101.93%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	-3845582	No Calib		
3)	DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4)	CHLOROMETHANE	0.000		0	N.D.		
5)	VINYL CHLORIDE	0.000		0	N.D.		
6)	BROMOMETHANE	0.000		0	N.D.		
7)	CHLOROETHANE	2.550	64	228	N.D.		
8)	TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9)	ETHYL ETHER	0.000		0	N.D.		
10)	ACROLEIN	0.000		0	N.D.		
11)	1,1-DICHLOROETHENE	0.000		0	N.D.		
12)	1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13)	ACETONE	3.724	43	1869	0.9796578	ppb #	88
14)	IODOMETHANE	3.312	142	336	N.D.		
15)	CARBON DISULFIDE	0.000		0	N.D.		
16)	METHYLENE CHLORIDE	3.672	84	239	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	0.000		0	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	4.521	43	368	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.097	117	1295	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	5.309	57	225	N.D.	
35) BENZENE	5.425	78	482	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.405	83	328	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.052	91	577	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.769	76	546	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	0.000		0	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	1724	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.563	91	308	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	0.000		0	N.D.	
75)	SEC-BUTYLBENZENE	0.000		0	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.527	146	275	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.785	128	881	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.910	142	416	N.D.	
89)	2-METHYLNAPHTHALENE	14.067	142	205	N.D.	
91)	ETHANOL	3.026	45	159	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	408	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

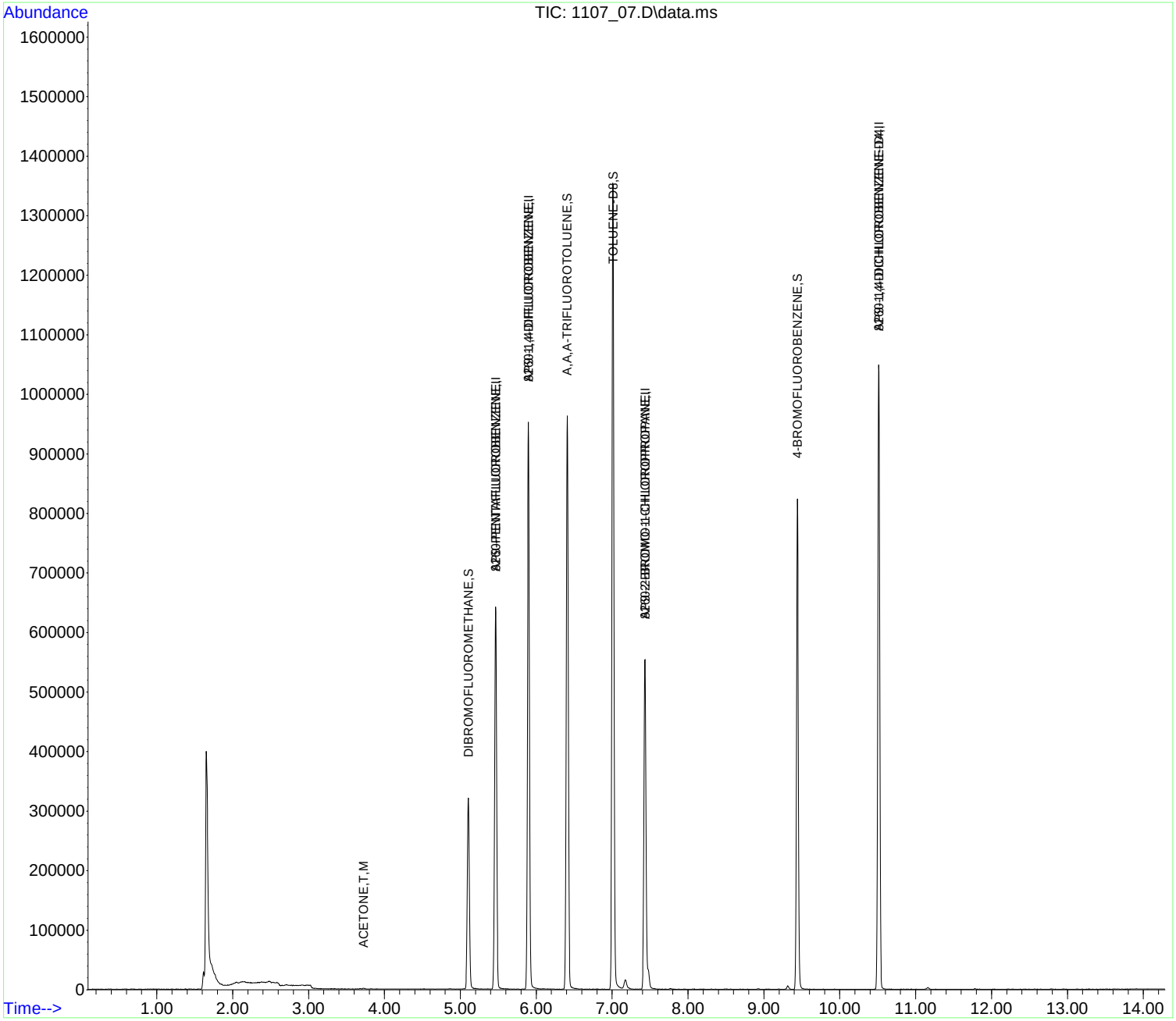
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.049	43	1113	No Calib		#
101)	METHACRYLONITRILE	5.460	67	1292	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.463	43	542	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.463	73	444	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	9719	No Calib		#
110)	2-NITROPROPANE	7.428	43	853	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	4831	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.000	59	244	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_07.D
Acq On : 7 Nov 2011 3:28 pm
Operator : 209
Sample : BLANK 1x WG564454
Misc : water ISSURR11J03320/
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 20:57:00 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_08.D
Acq On : 7 Nov 2011 9:20 pm
Operator : 209
Sample : CCV VMS 25 ppb 11J21182
Misc : water ISSURR11J03320
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 21:46:36 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	427715	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	798856	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	144488	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.514	152	377990	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	427715	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	798856	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	144488	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.514	152	377990	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	237556	44.9395637	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 112.35%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	404689	39.7255979	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 99.31%			
46) TOLUENE-D8	7.010	98	1025538	41.8563894	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 104.64%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.59%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6866419	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	199048	27.1231640	ppb	100
4) CHLOROMETHANE	2.029	50	241769	24.0771653	ppb	99
5) VINYL CHLORIDE	2.106	62	263541	24.8717539	ppb	97
6) BROMOMETHANE	2.431	94	151245	26.3034562	ppb	99
7) CHLOROETHANE	2.557	64	169446	26.2888109	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	300741	25.1488632	ppb	100
9) ETHYL ETHER	2.991	59	154502	23.9356685	ppb	98
10) ACROLEIN	3.470	56	102168	134.0262037	ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	121057	22.9951039	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	128709	22.7109152	ppb	100
13) ACETONE	3.721	43	259068	122.9559252	ppb	100
14) IODOMETHANE	3.303	142	786279	117.2435303	ppb	100
15) CARBON DISULFIDE	3.200	76	358149	24.5070606	ppb	100
16) METHYLENE CHLORIDE	3.679	84	152182	23.0795429	ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_08.D
Acq On : 7 Nov 2011 9:20 pm
Operator : 209
Sample : CCV VMS 25 ppb 11J21182
Misc : water ISSURR11J03320
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 21:46:36 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	301550	125.7120572	ppb		99
18) n-HEXANE	3.888	56	168757	23.9248477	ppb		99
19) TRANS-1,2-DICHLOROETHENE	3.817	96	146539	23.1995208	ppb		100
20) METHYL TERT-BUTYL ETHER	3.910	73	377795	23.2051051	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	290671	23.1782538	ppb		100
22) VINYL ACETATE	4.518	43	1786075	136.9835087	ppb		100
23) DI-ISOPROPYL ETHER	4.216	45	545202	23.6232627	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	211057	23.8826827	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.756	96	160408	23.0300458	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	102310	123.0095086	ppb		97
27) BROMOCHLOROMETHANE	4.913	130	80398	23.2886904	ppb		98
28) TETRAHYDROFURAN	5.100	42	50009	24.3027049	ppb		94
29) CHLOROFORM	4.962	83	263793	23.3955885	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.138	97	215862	23.4695075	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	173082	22.1068003	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	235675	23.5187426	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	750298	23.9717668	ppb		99
35) BENZENE	5.428	78	686954	23.1121402	ppb		99
36) 1,2-DICHLOROETHANE	5.582	62	204384	23.5197836	ppb		100
38) TRICHLOROETHENE	5.881	130	148754	22.2063572	ppb	#	52
39) 1,2-DICHLOROPROPANE	6.302	62	123383	22.8483179	ppb		99
40) DIBROMOMETHANE	6.219	93	79561	22.8107328	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	183268	23.8521756	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	439857	147.8456445	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	231702	23.5770163	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	324655	125.3002909	ppb		99
47) TOLUENE	7.055	91	729008	22.3210199	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	49267	23.6471200	ppb		99
50) 1,1,2-TRICHLOROETHANE	7.527	97	124687	20.4573852	ppb		98
51) TETRACHLOROETHENE	7.380	164	119005	20.1744638	ppb		99
52) 1,3-DICHLOROPROPANE	7.765	76	246295	20.3133498	ppb		99
53) 2-HEXANONE	8.068	58	310074	117.0363312	ppb		97
54) CHLORODIBROMOMETHANE	7.685	129	109493	21.6718580	ppb		99
55) 1,2-DIBROMOETHANE	7.900	107	117346	21.4016431	ppb		100
56) CHLOROBENZENE	8.357	112	436069	20.4271465	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	119069	21.1117842	ppb		98

Quantitation Report (Not Reviewed)

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Data File : 1107_08.D
Acq On : 7 Nov 2011 9:20 pm
Operator : 209
Sample : CCV VMS 25 ppb 11J21182
Misc : water ISSURR11J03320
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 21:46:36 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	254525	20.8970252	ppb		98
59)	M&P-XYLENE	8.498	106	627188	42.3564312	ppb		99
60)	O-XYLENE	8.891	106	291654	21.4121322	ppb		99
61)	STYRENE	8.936	104	491450	22.2157592	ppb		100
62)	BROMOFORM	8.965	173	58585	20.2249405	ppb		97
63)	ISOPROPYLBENZENE	9.174	105	732649	21.8487421	ppb		99
65)	BROMOBENZENE	9.547	77	357530	20.5940508	ppb		100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	175616	21.7852279	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.756	110	51424	21.7327654	ppb		99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	47074	22.9135941	ppb		98
69)	N-PROPYLBENZENE	9.563	91	1007083	21.4159722	ppb		99
70)	2-CHLOROTOLUENE	9.717	91	641519	21.3350536	ppb		99
71)	4-CHLOROTOLUENE	9.875	91	583198	21.5981563	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	660294	21.7536337	ppb		100
73)	TERT-BUTYLBENZENE	10.055	119	552334	21.5591721	ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	670368	21.9738067	ppb		99
75)	SEC-BUTYLBENZENE	10.225	105	894495	21.7324603	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	325938	21.1829817	ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	706208	22.0111705	ppb		99
79)	1,4-DICHLOROBENZENE	10.531	146	334325	20.3814700	ppb	#	80
80)	1,2,3-TRIMETHYLBENZENE	10.550	105	721695	20.9082754	ppb		99
81)	1,2-DICHLOROBENZENE	10.949	146	295823	20.4931480	ppb		100
82)	N-BUTYLBENZENE	10.778	91	726252	21.7977266	ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	20982	21.1558202	ppb		98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	178957	20.1019428	ppb		98
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	111234	19.8426689	ppb		99
86)	NAPHTHALENE	12.791	128	421248	18.8208923	ppb		99
87)	1,2,3-TRICHLOROBENZENE	12.984	180	159076	19.2935381	ppb		99
88)	1-METHYLNAPHTHALENE	13.907	142	173348	15.3537788	ppb		98
89)	2-METHYLNAPHTHALENE	14.071	142	169093	17.1417769	ppb		99
91)	ETHANOL	0.000		0	N.D.			
92)	BROMOETHANE	0.000		0	N.D.			
93)	METHYL ACETATE	3.827	43	8812	No Calib		#	
94)	ACETONITRILE	4.077	41	360	No Calib		#	
95)	ALLYL CHLORIDE	3.409	76	500	No Calib		#	
96)	TERT-BUTYL ALCOHOL	3.907	59	755	No Calib		#	

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Data File : 1107_08.D
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Operator : 209
Sample : CCV VMS 25 ppb 11J21182
Misc : water ISSURR11J03320
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 21:46:36 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	301550	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1490	No Calib	#
99)	PROPIONITRILE	5.319	54	2112	No Calib	
100)	ETHYL ACETATE	5.055	43	2029	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1390	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.235	59	1183	No Calib	#
104)	ISOBUTANOL	5.460	43	1179	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	11853	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	11742	No Calib	#
110)	2-NITROPROPANE	7.354	43	854020	No Calib	
111)	METHYL METHACRYLATE	6.527	41	1035	No Calib	#
112)	1,4-DIOXANE	6.409	88	5256	No Calib	
113)	N-OCTANE	6.852	85	2994	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	278	No Calib	#
116)	ETHYL METHACRYLATE	7.357	69	6283	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5196	No Calib	
118)	CYCLOHEXANONE	9.788	55	1561	No Calib	#
119)	PENTACHLOROETHANE	10.051	117	22336	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	9531	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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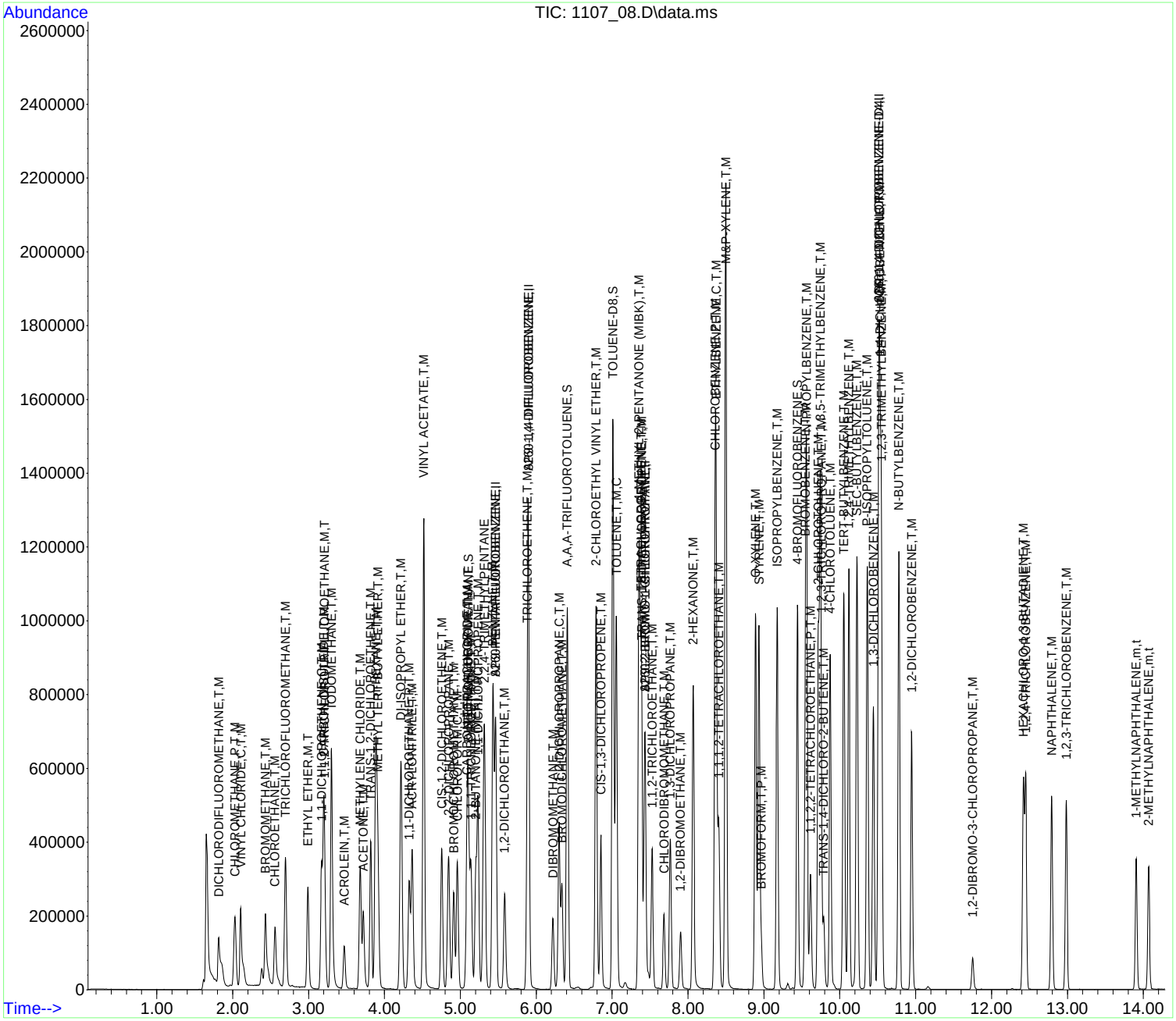

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	427715	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	798856	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	144488	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.514	152	377990	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	427715	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	798856	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	144488	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.514	152	377990	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	237556	44.9395637	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 112.35%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	404689	39.7255979	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 99.31%			
46) TOLUENE-D8	7.010	98	1025538	41.8563894	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 104.64%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 100.59%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6866419	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	199048	27.1231640	ppb	100
4) CHLOROMETHANE	2.029	50	241769	24.0771653	ppb	99
5) VINYL CHLORIDE	2.106	62	263541	24.8717539	ppb	97
6) BROMOMETHANE	2.431	94	151245	26.3034562	ppb	99
7) CHLOROETHANE	2.557	64	169446	26.2888109	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	300741	25.1488632	ppb	100
9) ETHYL ETHER	2.991	59	154502	23.9356685	ppb	98
10) ACROLEIN	3.470	56	102168	134.0262037	ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	121057	22.9951039	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	128709	22.7109152	ppb	100
13) ACETONE	3.721	43	259068	122.9559252	ppb	100
14) IODOMETHANE	3.303	142	786279	117.2435303	ppb	100
15) CARBON DISULFIDE	3.200	76	358149	24.5070606	ppb	100
16) METHYLENE CHLORIDE	3.679	84	152182	23.0795429	ppb	99

Quantitation Report (QT Reviewed)

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	301550	125.7120572	ppb		99
18) n-HEXANE	3.888	56	168757	23.9248477	ppb		99
19) TRANS-1,2-DICHLOROETHENE	3.817	96	146539	23.1995208	ppb		100
20) METHYL TERT-BUTYL ETHER	3.910	73	377795	23.2051051	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	290671	23.1782538	ppb		100
22) VINYL ACETATE	4.518	43	1786075	136.9835087	ppb		100
23) DI-ISOPROPYL ETHER	4.216	45	545202	23.6232627	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	211057	23.8826827	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.756	96	160408	23.0300458	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	102310	123.0095086	ppb		97
27) BROMOCHLOROMETHANE	4.913	130	80398	23.2886904	ppb		98
28) TETRAHYDROFURAN	5.100	42	50009	24.3027049	ppb		94
29) CHLOROFORM	4.962	83	263793	23.3955885	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.138	97	215862	23.4695075	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	173082	22.1068003	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	235675	23.5187426	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	750298	23.9717668	ppb		99
35) BENZENE	5.428	78	686954	23.1121402	ppb		99
36) 1,2-DICHLOROETHANE	5.582	62	204384	23.5197836	ppb		100
38) TRICHLOROETHENE	5.881	130	148754	22.2063572	ppb	#	52
39) 1,2-DICHLOROPROPANE	6.302	62	123383	22.8483179	ppb		99
40) DIBROMOMETHANE	6.219	93	79561	22.8107328	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	183268	23.8521756	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	439857	147.8456445	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	231702	23.5770163	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	324655	125.3002909	ppb		99
47) TOLUENE	7.055	91	729008	22.3210199	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	49267	23.6471200	ppb		99
50) 1,1,2-TRICHLOROETHANE	7.527	97	124687	20.4573852	ppb		98
51) TETRACHLOROETHENE	7.380	164	119005	20.1744638	ppb		99
52) 1,3-DICHLOROPROPANE	7.765	76	246295	20.3133498	ppb		99
53) 2-HEXANONE	8.068	58	310074	117.0363312	ppb		97
54) CHLORODIBROMOMETHANE	7.685	129	109493	21.6718580	ppb		99
55) 1,2-DIBROMOETHANE	7.900	107	117346	21.4016431	ppb		100
56) CHLOROBENZENE	8.357	112	436069	20.4271465	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	119069	21.1117842	ppb		98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	254525	20.8970252	ppb		98
59)	M&P-XYLENE	8.498	106	627188	42.3564312	ppb		99
60)	O-XYLENE	8.891	106	291654	21.4121322	ppb		99
61)	STYRENE	8.936	104	491450	22.2157592	ppb		100
62)	BROMOFORM	8.965	173	58585	20.2249405	ppb		97
63)	ISOPROPYLBENZENE	9.174	105	732649	21.8487421	ppb		99
65)	BROMOBENZENE	9.547	77	357530	20.5940508	ppb		100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	175616	21.7852279	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.756	110	51424	21.7327654	ppb		99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	47074	22.9135941	ppb		98
69)	N-PROPYLBENZENE	9.563	91	1007083	21.4159722	ppb		99
70)	2-CHLOROTOLUENE	9.717	91	641519	21.3350536	ppb		99
71)	4-CHLOROTOLUENE	9.875	91	583198	21.5981563	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	660294	21.7536337	ppb		100
73)	TERT-BUTYLBENZENE	10.055	119	552334	21.5591721	ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	670368	21.9738067	ppb		99
75)	SEC-BUTYLBENZENE	10.225	105	894495	21.7324603	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	325938	21.1829817	ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	706208	22.0111705	ppb		99
79)	1,4-DICHLOROBENZENE	10.531	146	334325	20.3814700	ppb	#	80
80)	1,2,3-TRIMETHYLBENZENE	10.550	105	721695	20.9082754	ppb		99
81)	1,2-DICHLOROBENZENE	10.949	146	295823	20.4931480	ppb		100
82)	N-BUTYLBENZENE	10.778	91	726252	21.7977266	ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	20982	21.1558202	ppb		98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	178957	20.1019428	ppb		98
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	111234	19.8426689	ppb		99
86)	NAPHTHALENE	12.791	128	421248	18.8208923	ppb		99
87)	1,2,3-TRICHLOROBENZENE	12.984	180	159076	19.2935381	ppb		99
88)	1-METHYLNAPHTHALENE	13.907	142	173348	15.3537788	ppb		98
89)	2-METHYLNAPHTHALENE	14.071	142	169093	17.1417769	ppb		99
91)	ETHANOL	0.000		0	N.D.			
92)	BROMOETHANE	0.000		0	N.D.			
93)	METHYL ACETATE	3.827	43	8812	No Calib		#	
94)	ACETONITRILE	4.077	41	360	No Calib		#	
95)	ALLYL CHLORIDE	3.409	76	500	No Calib		#	
96)	TERT-BUTYL ALCOHOL	3.907	59	755	No Calib		#	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_08.D
Acq On : 7 Nov 2011 9:20 pm
Operator : 209
Sample : CCV VMS 25 ppb 11J21182
Misc : water ISSURR11J03320
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 21:46:36 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	301550	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1490	No Calib	#
99)	PROPIONITRILE	5.319	54	2112	No Calib	
100)	ETHYL ACETATE	5.055	43	2029	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1390	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.235	59	1183	No Calib	#
104)	ISOBUTANOL	5.460	43	1179	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	11853	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	11742	No Calib	#
110)	2-NITROPROPANE	7.354	43	854020	No Calib	
111)	METHYL METHACRYLATE	6.527	41	1035	No Calib	#
112)	1,4-DIOXANE	6.409	88	5256	No Calib	
113)	N-OCTANE	6.852	85	2994	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	278	No Calib	#
116)	ETHYL METHACRYLATE	7.357	69	6283	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5196	No Calib	
118)	CYCLOHEXANONE	9.788	55	1561	No Calib	#
119)	PENTACHLOROETHANE	10.051	117	22336	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	9531	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

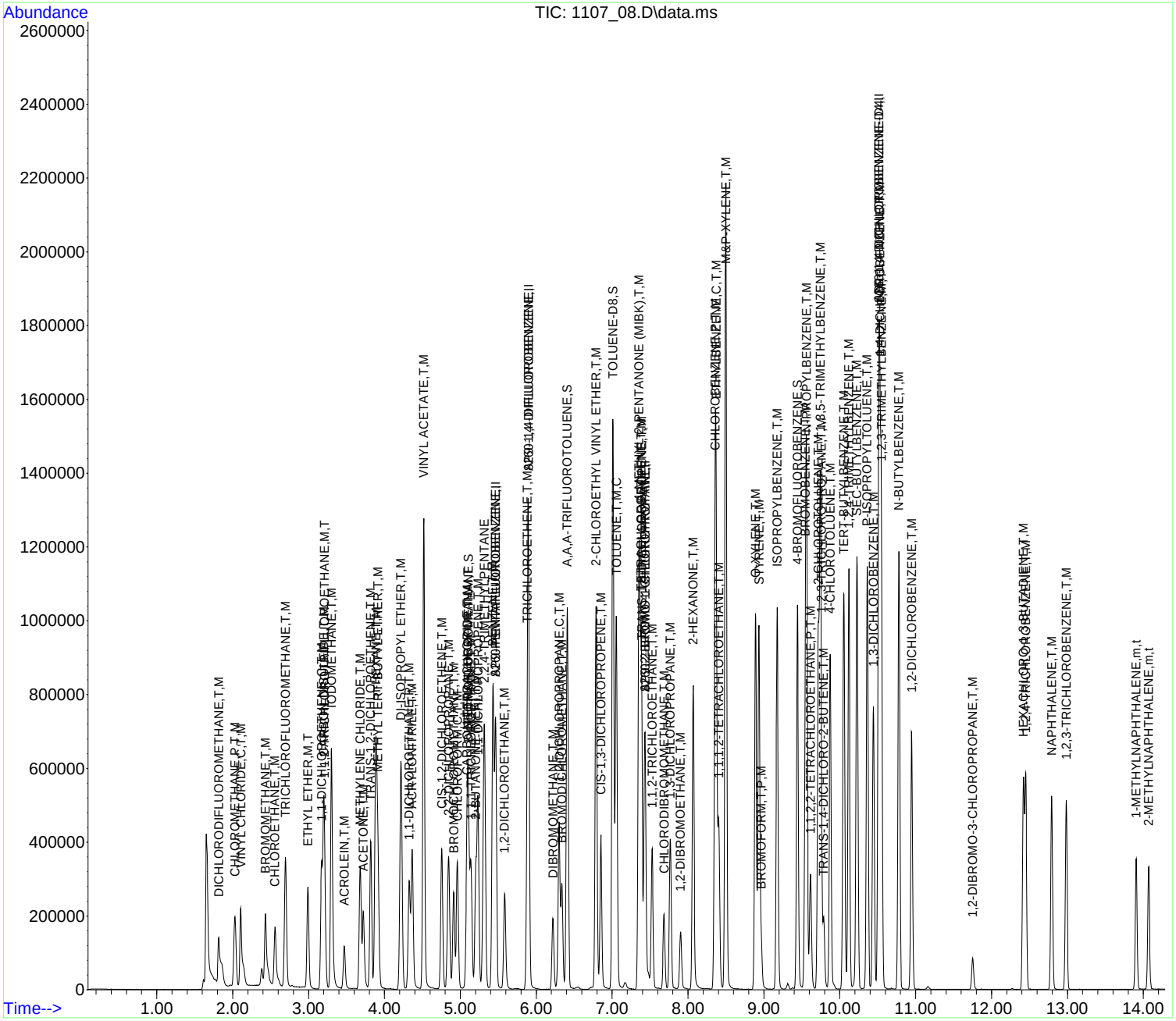
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_08.D
Acq On : 7 Nov 2011 9:20 pm
Operator : 209
Sample : CCV VMS 25 ppb 11J21182

ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 07 21:46:36 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

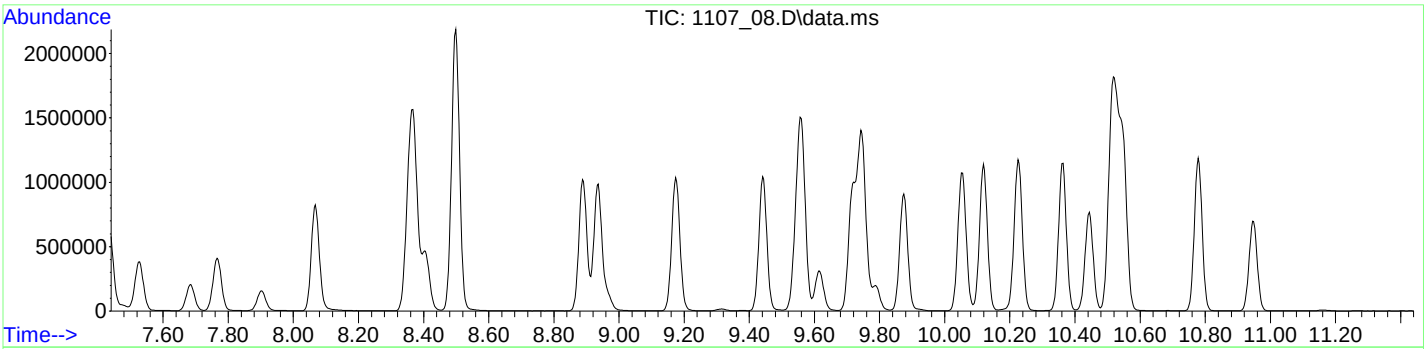
Response via : Initial Calibration

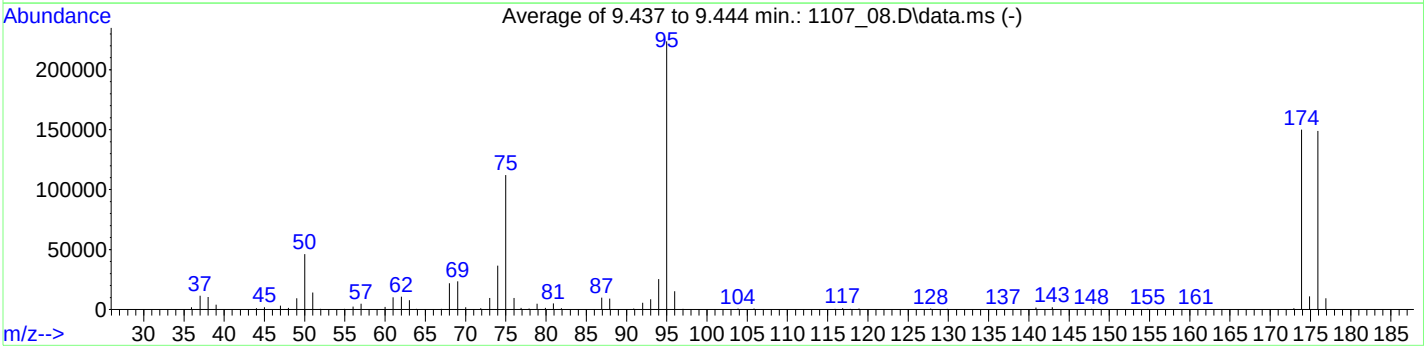


Data Path : C:\msdchem\1\data\110711\
Data File : 1107_08.D
Acq On : 7 Nov 2011 9:20 pm
Operator : 209
Sample : ccv
Misc : soil ISSURR10G08815
ALS Vial : 8 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V822K02K.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22





AutoFind: Scans 2907, 2908, 2909; Background Corrected with Scan 2892

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	46195	PASS
75	95	30	60	50.1	112024	PASS
95	95	100	100	100.0	223765	PASS
96	95	5	9	6.8	15269	PASS
173	174	0.00	2	0.6	951	PASS
174	95	50	150	67.1	150059	PASS
175	174	5	9	7.3	11018	PASS
176	174	95	101	99.4	149099	PASS
177	176	5	9	6.3	9351	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_09.D
Acq On : 7 Nov 2011 10:13 pm
Operator : 209
Sample : MS 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:10 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards								
1)	8260-PENTAFLUOROBENZENE	5.463	168	401692	40.0000000	ppb		0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	725062	40.0000000	ppb		0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	124388	40.0000000	ppb		0.00
78)	8260-1,4-DICHLOROBENZE...	10.514	152	309090	40.0000000	ppb		0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	401692	40.0000000	ppb		0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.897	114	725062	40.0000000	ppb		0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.434	79	124388	40.0000000	ppb		0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.514	152	309090	40.0000000	ppb		0.00
System Monitoring Compounds								
30)	DIBROMOFLUOROMETHANE	5.103	111	210961	42.4938737	ppb		0.00
	Spiked Amount 40.000	Range 79 - 125		Recovery = 106.23%				
42)	A,A,A-TRIFLUOROTOLUENE	6.408	146	384813	41.6190473	ppb		0.00
	Spiked Amount 40.000	Range 84 - 114		Recovery = 104.05%				
46)	TOLUENE-D8	7.010	98	913201	41.0648027	ppb		0.00
	Spiked Amount 40.000	Range 87 - 114		Recovery = 102.66%				
	Spiked Amount 40.000	Range 75 - 128		Recovery = 99.23%				
Target Compounds							Qvalue	
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	6354171	No Calib			
3)	DICHLORODIFLUOROMETHANE	1.814	85	146094	21.1970883	ppb	#	83
4)	CHLOROMETHANE	2.026	50	156178	16.5609748	ppb		99
5)	VINYL CHLORIDE	2.103	62	181622	18.2510550	ppb		97
6)	BROMOMETHANE	2.428	94	112258	20.7878890	ppb		99
7)	CHLOROETHANE	2.557	64	124550	20.5752278	ppb		99
8)	TRICHLOROFLUOROMETHANE	2.695	101	240450	21.4097600	ppb		100
9)	ETHYL ETHER	2.987	59	138399	22.8299892	ppb		99
10)	ACROLEIN	3.470	56	5887	8.2229975	ppb		100
11)	1,1-DICHLOROETHENE	3.171	96	87107	17.6181306	ppb		99
12)	1,1,2-TRICHLOROTRIFLUO...	3.206	101	100027	18.7933526	ppb		99
13)	ACETONE	3.720	43	218719	110.5308475	ppb		99
14)	IODOMETHANE	3.302	142	521960	82.8725556	ppb		100
15)	CARBON DISULFIDE	3.200	76	153629	11.1933990	ppb		98
16)	METHYLENE CHLORIDE	3.679	84	127555	20.5978885	ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_09.D
Acq On : 7 Nov 2011 10:13 pm
Operator : 209
Sample : MS 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:10 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	290695	129.0376548	ppb		98
18)	n-HEXANE	3.888	56	88255	13.3225698	ppb		84
19)	TRANS-1,2-DICHLOROETHENE	3.817	96	104937	17.6895071	ppb		99
20)	METHYL TERT-BUTYL ETHER	3.910	73	381164	24.9287504	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	253601	21.5323420	ppb		99
22)	VINYL ACETATE	4.515	43	1681666	137.3313334	ppb		100
23)	DI-ISOPROPYL ETHER	4.216	45	517269	23.8649314	ppb		100
24)	2,2-DICHLOROPROPANE	4.846	77	193716	23.3404992	ppb		100
25)	CIS-1,2-DICHLOROETHENE	4.753	96	140811	21.5261647	ppb		100
26)	2-BUTANONE (MEK)	5.203	72	99793	127.7561973	ppb		97
27)	BROMOCHLOROMETHANE	4.910	130	70406	21.7155479	ppb		100
28)	TETRAHYDROFURAN	5.100	42	50808	26.2905603	ppb		96
29)	CHLOROFORM	4.962	83	247534	23.3758206	ppb		100
31)	1,1,1-TRICHLOROETHANE	5.138	97	189373	21.9233611	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	142050	19.3186387	ppb		99
33)	1,1-DICHLOROPROPENE	5.232	75	180956	19.2280335	ppb		100
34)	2,2,4-TRIMETHYLPENTANE	5.312	57	498900	16.9723140	ppb		99
35)	BENZENE	5.428	78	576212	20.6422058	ppb		99
36)	1,2-DICHLOROETHANE	5.582	62	181074	22.1872676	ppb		99
38)	TRICHLOROETHENE	5.881	130	123045	20.2379257	ppb	#	100
39)	1,2-DICHLOROPROPANE	6.299	62	111831	22.8167861	ppb		100
40)	DIBROMOMETHANE	6.219	93	71517	22.5913222	ppb		99
41)	BROMODICHLOROMETHANE	6.338	83	160593	23.0282706	ppb		99
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	143466	53.1299459	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	201901	22.6355415	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	332173	141.2497439	ppb		99
47)	TOLUENE	7.055	91	639154	21.5615813	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	43447	22.9760458	ppb		98
50)	1,1,2-TRICHLOROETHANE	7.527	97	119733	22.8189736	ppb		99
51)	TETRACHLOROETHENE	7.379	164	98383	19.3735919	ppb		99
52)	1,3-DICHLOROPROPANE	7.765	76	233892	22.4075624	ppb		99
53)	2-HEXANONE	8.068	58	309265	135.5936699	ppb		98
54)	CHLORODIBROMOMETHANE	7.685	129	99181	22.8029781	ppb		99
55)	1,2-DIBROMOETHANE	7.904	107	108311	22.9458784	ppb		98
56)	CHLOROBENZENE	8.357	112	397405	21.6241533	ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	114269	23.5346613	ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_09.D
Acq On : 7 Nov 2011 10:13 pm
Operator : 209
Sample : MS 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:10 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	8.370	106	225811	21.5353736 ppb	100
59) M&P-XYLENE	8.498	106	559340	43.8784011 ppb	99
60) O-XYLENE	8.887	106	259672	22.1447304 ppb	98
61) STYRENE	8.936	104	313375	16.4550597 ppb	100
62) BROMOFORM	8.961	173	54531	21.8277956 ppb	98
63) ISOPROPYLBENZENE	9.174	105	722978	25.0442975 ppb	100
65) BROMOBENZENE	9.547	77	333272	22.2987959 ppb	100
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	172082	24.7962934 ppb	98
67) 1,2,3-TRICHLOROPROPANE	9.756	110	50758	24.9176415 ppb	99
68) TRANS-1,4-DICHLORO-2-B...	9.788	53	46095	26.0626893 ppb	96
69) N-PROPYLBENZENE	9.559	91	922033	22.7757291 ppb	100
70) 2-CHLOROTOLUENE	9.717	91	583859	22.5551380 ppb	99
71) 4-CHLOROTOLUENE	9.875	91	534383	22.9882855 ppb	100
72) 1,3,5-TRIMETHYLBENZENE	9.743	105	606030	23.1921963 ppb	99
73) TERT-BUTYLBENZENE	10.055	119	515351	23.3661263 ppb	99
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	594034	22.6181262 ppb	100
75) SEC-BUTYLBENZENE	10.225	105	826271	23.3188314 ppb	100
76) 1,3-DICHLOROBENZENE	10.444	146	304352	22.9763771 ppb	100
77) P-ISOPROPYLTOLUENE	10.360	119	660146	23.9003244 ppb	100
79) 1,4-DICHLOROBENZENE	10.527	146	318139	23.7180467 ppb	93
80) 1,2,3-TRIMETHYLBENZENE	10.550	105	624660	22.1311289 ppb	99
81) 1,2-DICHLOROBENZENE	10.948	146	275214	23.3153864 ppb	100
82) N-BUTYLBENZENE	10.778	91	676982	24.8482803 ppb	99
83) 1,2-DIBROMO-3-CHLOROPR...	11.752	157	20505	25.2835536 ppb	97
84) 1,2,4-TRICHLOROBENZENE	12.450	180	184892	25.3981929 ppb	99
85) HEXACHLORO-1,3-BUTADIENE	12.418	225	103957	22.6783590 ppb	99
86) NAPHTHALENE	12.791	128	431877	23.5970542 ppb	100
87) 1,2,3-TRICHLOROBENZENE	12.984	180	161470	23.9493878 ppb	100
88) 1-METHYLNAPHTHALENE	13.907	142	192220	20.8204626 ppb	99
91) ETHANOL	3.167	45	277	No Calib #	
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.827	43	10554	No Calib #	
94) ACETONITRILE	4.074	41	218	No Calib #	
95) ALLYL CHLORIDE	3.370	76	738	No Calib #	
96) TERT-BUTYL ALCOHOL	3.907	59	878	No Calib #	

Quantitation Report (Not Reviewed)

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Misc : water ISSURR11J03320/SPK11K04855
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Quant Time: Nov 08 08:36:10 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
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Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	290695	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.325	59	1231	No Calib	#
99)	PROPIONITRILE	5.312	54	1414	No Calib	
100)	ETHYL ACETATE	5.045	43	2517	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1328	No Calib	#
102)	CYCLOHEXANE	4.997	56	201	No Calib	#
103)	TERT-BUTYL FORMATE	5.235	59	769	No Calib	#
104)	ISOBUTANOL	5.463	43	740	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	9951	No Calib	#
108)	N-BUTANOL	6.109	56	1336	No Calib	#
109)	METHYL CYCLOHEXANE	5.897	83	11186	No Calib	#
110)	2-NITROPROPANE	7.354	43	864108	No Calib	
111)	METHYL METHACRYLATE	6.527	41	1691	No Calib	#
112)	1,4-DIOXANE	6.405	88	5052	No Calib	#
113)	N-OCTANE	6.852	85	2496	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	211	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	5984	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.556	53	4697	No Calib	
118)	CYCLOHEXANONE	9.788	55	1425	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	20676	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8503	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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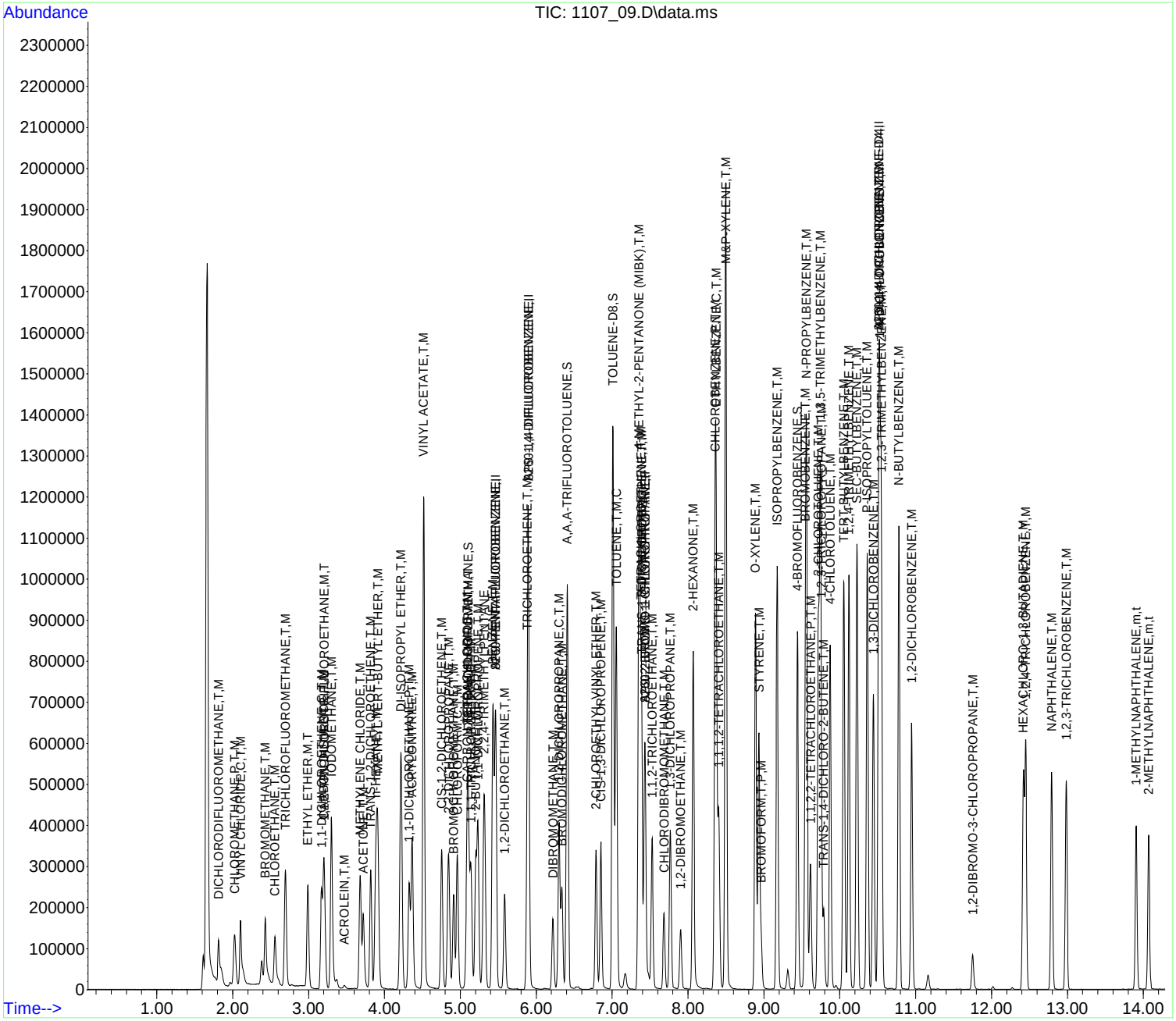

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	401692	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	725062	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	124388	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.514	152	309090	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	401692	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	725062	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	124388	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.514	152	309090	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	210961	42.4938737	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 106.23%			
42) A,A,A-TRIFLUOROTOLUENE	6.408	146	384813	41.6190473	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 104.05%			
46) TOLUENE-D8	7.010	98	913201	41.0648027	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.66%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 99.23%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6354171	No Calib		
3) DICHLORODIFLUOROMETHANE	1.814	85	146094	21.1970883	ppb #	83
4) CHLOROMETHANE	2.026	50	156178	16.5609748	ppb	99
5) VINYL CHLORIDE	2.103	62	181622	18.2510550	ppb	97
6) BROMOMETHANE	2.428	94	112258	20.7878890	ppb	99
7) CHLOROETHANE	2.557	64	124550	20.5752278	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	240450	21.4097600	ppb	100
9) ETHYL ETHER	2.987	59	138399	22.8299892	ppb	99
10) ACROLEIN	3.470	56	5887	8.2229975	ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	87107	17.6181306	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	100027	18.7933526	ppb	99
13) ACETONE	3.720	43	218719	110.5308475	ppb	99
14) IODOMETHANE	3.302	142	521960	82.8725556	ppb	100
15) CARBON DISULFIDE	3.200	76	153629	11.1933990	ppb	98
16) METHYLENE CHLORIDE	3.679	84	127555	20.5978885	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_09.D
Acq On : 7 Nov 2011 10:13 pm
Operator : 209
Sample : MS 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:10 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	290695	129.0376548	ppb		98
18) n-HEXANE	3.888	56	88255	13.3225698	ppb		84
19) TRANS-1,2-DICHLOROETHENE	3.817	96	104937	17.6895071	ppb		99
20) METHYL TERT-BUTYL ETHER	3.910	73	381164	24.9287504	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	253601	21.5323420	ppb		99
22) VINYL ACETATE	4.515	43	1681666	137.3313334	ppb		100
23) DI-ISOPROPYL ETHER	4.216	45	517269	23.8649314	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	193716	23.3404992	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.753	96	140811	21.5261647	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	99793	127.7561973	ppb		97
27) BROMOCHLOROMETHANE	4.910	130	70406	21.7155479	ppb		100
28) TETRAHYDROFURAN	5.100	42	50808	26.2905603	ppb		96
29) CHLOROFORM	4.962	83	247534	23.3758206	ppb		100
31) 1,1,1-TRICHLOROETHANE	5.138	97	189373	21.9233611	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	142050	19.3186387	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	180956	19.2280335	ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.312	57	498900	16.9723140	ppb		99
35) BENZENE	5.428	78	576212	20.6422058	ppb		99
36) 1,2-DICHLOROETHANE	5.582	62	181074	22.1872676	ppb		99
38) TRICHLOROETHENE	5.881	130	123045	20.2379257	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.299	62	111831	22.8167861	ppb		100
40) DIBROMOMETHANE	6.219	93	71517	22.5913222	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	160593	23.0282706	ppb		99
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	143466	53.1299459	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	201901	22.6355415	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	332173	141.2497439	ppb		99
47) TOLUENE	7.055	91	639154	21.5615813	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	43447	22.9760458	ppb		98
50) 1,1,2-TRICHLOROETHANE	7.527	97	119733	22.8189736	ppb		99
51) TETRACHLOROETHENE	7.379	164	98383	19.3735919	ppb		99
52) 1,3-DICHLOROPROPANE	7.765	76	233892	22.4075624	ppb		99
53) 2-HEXANONE	8.068	58	309265	135.5936699	ppb		98
54) CHLORODIBROMOMETHANE	7.685	129	99181	22.8029781	ppb		99
55) 1,2-DIBROMOETHANE	7.904	107	108311	22.9458784	ppb		98
56) CHLOROBENZENE	8.357	112	397405	21.6241533	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	114269	23.5346613	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_09.D
Acq On : 7 Nov 2011 10:13 pm
Operator : 209
Sample : MS 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:10 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	225811	21.5353736 ppb	100
59)	M&P-XYLENE	8.498	106	559340	43.8784011 ppb	99
60)	O-XYLENE	8.887	106	259672	22.1447304 ppb	98
61)	STYRENE	8.936	104	313375	16.4550597 ppb	100
62)	BROMOFORM	8.961	173	54531	21.8277956 ppb	98
63)	ISOPROPYLBENZENE	9.174	105	722978	25.0442975 ppb	100
65)	BROMOBENZENE	9.547	77	333272	22.2987959 ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	172082	24.7962934 ppb	98
67)	1,2,3-TRICHLOROPROPANE	9.756	110	50758	24.9176415 ppb	99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	46095	26.0626893 ppb	96
69)	N-PROPYLBENZENE	9.559	91	922033	22.7757291 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	583859	22.5551380 ppb	99
71)	4-CHLOROTOLUENE	9.875	91	534383	22.9882855 ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	606030	23.1921963 ppb	99
73)	TERT-BUTYLBENZENE	10.055	119	515351	23.3661263 ppb	99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	594034	22.6181262 ppb	100
75)	SEC-BUTYLBENZENE	10.225	105	826271	23.3188314 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	304352	22.9763771 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	660146	23.9003244 ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	318139	23.7180467 ppb	93
80)	1,2,3-TRIMETHYLBENZENE	10.550	105	624660	22.1311289 ppb	99
81)	1,2-DICHLOROBENZENE	10.948	146	275214	23.3153864 ppb	100
82)	N-BUTYLBENZENE	10.778	91	676982	24.8482803 ppb	99
83)	1,2-DIBROMO-3-CHLOROPR...	11.752	157	20505	25.2835536 ppb	97
84)	1,2,4-TRICHLOROBENZENE	12.450	180	184892	25.3981929 ppb	99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	103957	22.6783590 ppb	99
86)	NAPHTHALENE	12.791	128	431877	23.5970542 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	161470	23.9493878 ppb	100
88)	1-METHYLNAPHTHALENE	13.907	142	192220	20.8204626 ppb	99
91)	ETHANOL	3.167	45	277	No Calib #	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	10554	No Calib #	
94)	ACETONITRILE	4.074	41	218	No Calib #	
95)	ALLYL CHLORIDE	3.370	76	738	No Calib #	
96)	TERT-BUTYL ALCOHOL	3.907	59	878	No Calib #	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_09.D
Acq On : 7 Nov 2011 10:13 pm
Operator : 209
Sample : MS 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:10 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

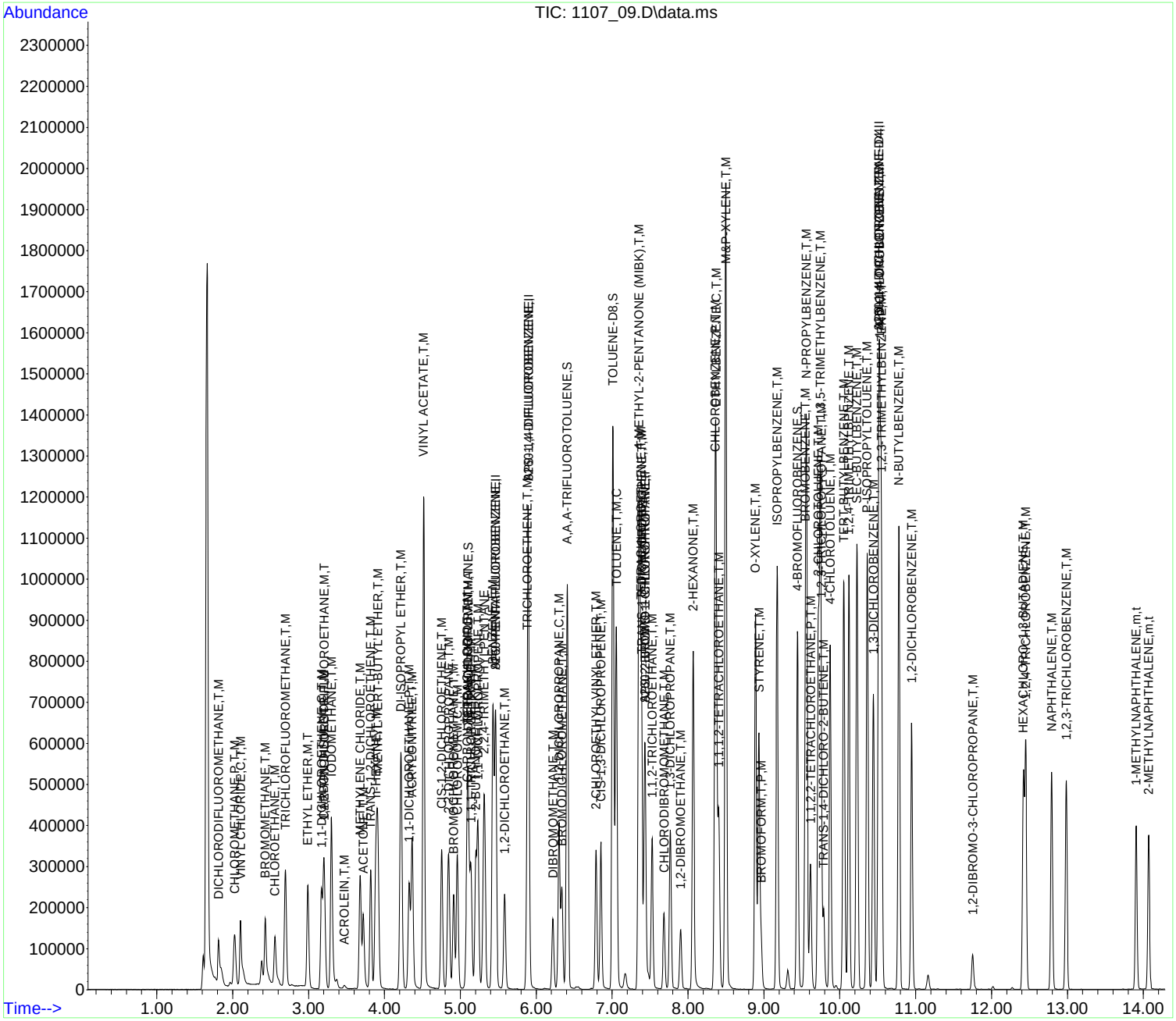
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	290695	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.325	59	1231	No Calib	#
99)	PROPIONITRILE	5.312	54	1414	No Calib	
100)	ETHYL ACETATE	5.045	43	2517	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1328	No Calib	#
102)	CYCLOHEXANE	4.997	56	201	No Calib	#
103)	TERT-BUTYL FORMATE	5.235	59	769	No Calib	#
104)	ISOBUTANOL	5.463	43	740	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	9951	No Calib	#
108)	N-BUTANOL	6.109	56	1336	No Calib	#
109)	METHYL CYCLOHEXANE	5.897	83	11186	No Calib	#
110)	2-NITROPROPANE	7.354	43	864108	No Calib	
111)	METHYL METHACRYLATE	6.527	41	1691	No Calib	#
112)	1,4-DIOXANE	6.405	88	5052	No Calib	#
113)	N-OCTANE	6.852	85	2496	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	211	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	5984	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.556	53	4697	No Calib	
118)	CYCLOHEXANONE	9.788	55	1425	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	20676	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	8503	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_09.D
Acq On : 7 Nov 2011 10:13 pm
Operator : 209
Sample : MS 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:10 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



V822K02K.M Tue Nov 08 08:36:24 2011 Page: 5

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	438923	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	796285	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	136352	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	327991	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	438923	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	796285	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	136352	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	327991	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	227353	41.9111599	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 104.78%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	415260	40.8948961	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.24%			
46) TOLUENE-D8	7.010	98	998344	40.8780512	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.20%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 95.71%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	5959661	No Calib		
3) DICHLORODIFLUOROMETHANE	1.814	85	142295	18.8946266	ppb	99
4) CHLOROMETHANE	2.023	50	157692	15.3031397	ppb	99
5) VINYL CHLORIDE	2.103	62	179070	16.4682404	ppb	97
6) BROMOMETHANE	2.428	94	115585	19.5884202	ppb	99
7) CHLOROETHANE	2.557	64	122085	18.4572957	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	237946	19.3896634	ppb	100
9) ETHYL ETHER	2.991	59	142220	21.4703079	ppb	98
10) ACROLEIN	3.470	56	5426	6.9361864	ppb	89
11) 1,1-DICHLOROETHENE	3.171	96	89046	16.4826117	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	103101	17.7277958	ppb	99
13) ACETONE	3.724	43	237812	109.9855415	ppb	99
14) IODOMETHANE	3.303	142	523154	76.0165058	ppb	100
15) CARBON DISULFIDE	3.200	76	154118	10.2765417	ppb	99
16) METHYLENE CHLORIDE	3.679	84	127927	18.9056788	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	311783	126.6590349	ppb		98
18)	n-HEXANE	3.888	56	89141	12.3149040	ppb		81
19)	TRANS-1,2-DICHLOROETHENE	3.817	96	103931	16.0338213	ppb		98
20)	METHYL TERT-BUTYL ETHER	3.910	73	395969	23.7003448	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	259930	20.1976833	ppb		99
22)	VINYL ACETATE	4.518	43	1752812	130.9996316	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	531637	22.4472829	ppb		100
24)	2,2-DICHLOROPROPANE	4.846	77	197208	21.7457314	ppb		99
25)	CIS-1,2-DICHLOROETHENE	4.756	96	142677	19.9613031	ppb		100
26)	2-BUTANONE (MEK)	5.203	72	107306	125.7218455	ppb		93
27)	BROMOCHLOROMETHANE	4.910	130	71349	20.1397398	ppb		99
28)	TETRAHYDROFURAN	5.100	42	55736	26.3941927	ppb		94
29)	CHLOROFORM	4.962	83	249463	21.5597137	ppb		99
31)	1,1,1-TRICHLOROETHANE	5.139	97	191053	20.2417373	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	142753	17.7674609	ppb		99
33)	1,1-DICHLOROPROPENE	5.232	75	183582	17.8524088	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	503923	15.6890475	ppb		99
35)	BENZENE	5.428	78	585856	19.2074420	ppb		100
36)	1,2-DICHLOROETHANE	5.582	62	185796	20.8347805	ppb		100
38)	TRICHLOROETHENE	5.881	130	125097	18.7350791	ppb	#	100
39)	1,2-DICHLOROPROPANE	6.303	62	112872	20.9693560	ppb		98
40)	DIBROMOMETHANE	6.219	93	73260	21.0720062	ppb		98
41)	BROMODICHLOROMETHANE	6.338	83	163490	21.3467870	ppb		99
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	10723	3.6158741	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	201063	20.5253790	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	357735	138.5132702	ppb		99
47)	TOLUENE	7.055	91	640277	19.6675204	ppb		100
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	44627	21.4891777	ppb		98
50)	1,1,2-TRICHLOROETHANE	7.528	97	124428	21.6330291	ppb		100
51)	TETRACHLOROETHENE	7.380	164	99086	17.7999735	ppb		98
52)	1,3-DICHLOROPROPANE	7.766	76	243246	21.2589557	ppb		99
53)	2-HEXANONE	8.068	58	341355	136.5311924	ppb		100
54)	CHLORODIBROMOMETHANE	7.685	129	102301	21.4565522	ppb		99
55)	1,2-DIBROMOETHANE	7.901	107	111629	21.5737742	ppb		98
56)	CHLOROBENZENE	8.354	112	400668	19.8887466	ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	114611	21.5339054	ppb		97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	226633	19.7172996	ppb	99
59)	M&P-XYLENE	8.499	106	560502	40.1115140	ppb	99
60)	O-XYLENE	8.888	106	262869	20.4503912	ppb	99
61)	STYRENE	8.936	104	314919	15.0851958	ppb	100
62)	BROMOFORM	8.965	173	55316	20.2356051	ppb	99
63)	ISOPROPYLBENZENE	9.174	105	726515	22.9585962	ppb	100
65)	BROMOBENZENE	9.547	77	332584	20.3002277	ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	176817	23.2430069	ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.756	110	52623	23.5664956	ppb	100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	47878	24.6955317	ppb	96
69)	N-PROPYLBENZENE	9.560	91	916786	20.6590701	ppb	100
70)	2-CHLOROTOLUENE	9.717	91	580821	20.4690078	ppb	99
71)	4-CHLOROTOLUENE	9.875	91	527828	20.7139701	ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	599788	20.9393164	ppb	99
73)	TERT-BUTYLBENZENE	10.052	119	512052	21.1794479	ppb	99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	585638	20.3419012	ppb	100
75)	SEC-BUTYLBENZENE	10.225	105	820363	21.1206514	ppb	99
76)	1,3-DICHLOROBENZENE	10.444	146	300815	20.7167608	ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	646201	21.3426527	ppb	100
79)	1,4-DICHLOROBENZENE	10.528	146	313148	22.0006077	ppb	87
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	616234	20.5744652	ppb	99
81)	1,2-DICHLOROBENZENE	10.949	146	275863	22.0236135	ppb	99
82)	N-BUTYLBENZENE	10.778	91	655696	22.6800902	ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	21593	25.0907910	ppb	98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	181577	23.5054496	ppb	98
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	100026	20.5633476	ppb	99
86)	NAPHTHALENE	12.791	128	443598	22.8407479	ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	159049	22.2308743	ppb	99
88)	1-METHYLNAPHTHALENE	13.904	142	197140	20.1228542	ppb	100
89)	2-METHYLNAPHTHALENE	14.068	142	191549	22.3783717	ppb	98
91)	ETHANOL	0.000		0	N.D.		
92)	BROMOETHANE	0.000		0	N.D.		
93)	METHYL ACETATE	3.830	43	11182	No Calib	#	
94)	ACETONITRILE	4.062	41	321	No Calib	#	
95)	ALLYL CHLORIDE	3.373	76	835	No Calib	#	
96)	TERT-BUTYL ALCOHOL	3.904	59	906	No Calib	#	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

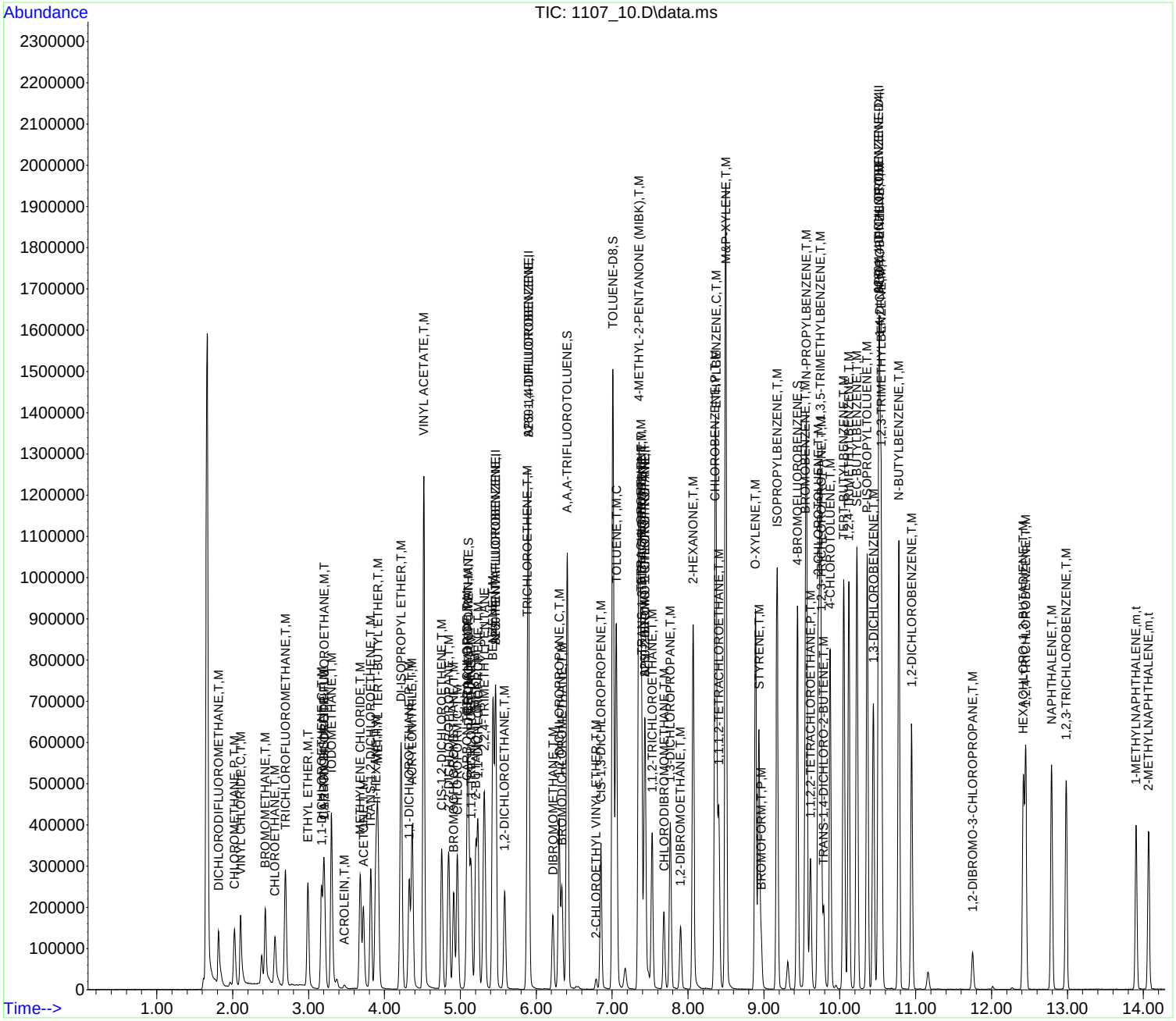
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	311783	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1203	No Calib	#
99)	PROPIONITRILE	5.312	54	1446	No Calib	
100)	ETHYL ACETATE	5.052	43	2541	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1432	No Calib	#
102)	CYCLOHEXANE	4.923	56	189	No Calib	#
103)	TERT-BUTYL FORMATE	5.235	59	797	No Calib	#
104)	ISOBUTANOL	5.457	43	1432	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	9879	No Calib	#
108)	N-BUTANOL	6.110	56	396	No Calib	#
109)	METHYL CYCLOHEXANE	5.897	83	11624	No Calib	#
110)	2-NITROPROPANE	7.354	43	933891	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1648	No Calib	#
112)	1,4-DIOXANE	6.409	88	5316	No Calib	
113)	N-OCTANE	6.852	85	2471	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	463	No Calib	#
116)	ETHYL METHACRYLATE	7.351	69	6728	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4839	No Calib	
118)	CYCLOHEXANONE	9.785	55	1318	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	20769	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8319	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	438923	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	796285	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	136352	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	327991	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	438923	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	796285	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	136352	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	327991	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	227353	41.9111599	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 104.78%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	415260	40.8948961	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 102.24%			
46) TOLUENE-D8	7.010	98	998344	40.8780512	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 102.20%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 95.71%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	5959661	No Calib		
3) DICHLORODIFLUOROMETHANE	1.814	85	142295	18.8946266	ppb	99
4) CHLOROMETHANE	2.023	50	157692	15.3031397	ppb	99
5) VINYL CHLORIDE	2.103	62	179070	16.4682404	ppb	97
6) BROMOMETHANE	2.428	94	115585	19.5884202	ppb	99
7) CHLOROETHANE	2.557	64	122085	18.4572957	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	237946	19.3896634	ppb	100
9) ETHYL ETHER	2.991	59	142220	21.4703079	ppb	98
10) ACROLEIN	3.470	56	5426	6.9361864	ppb	89
11) 1,1-DICHLOROETHENE	3.171	96	89046	16.4826117	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	103101	17.7277958	ppb	99
13) ACETONE	3.724	43	237812	109.9855415	ppb	99
14) IODOMETHANE	3.303	142	523154	76.0165058	ppb	100
15) CARBON DISULFIDE	3.200	76	154118	10.2765417	ppb	99
16) METHYLENE CHLORIDE	3.679	84	127927	18.9056788	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	311783	126.6590349	ppb		98
18) n-HEXANE	3.888	56	89141	12.3149040	ppb		81
19) TRANS-1,2-DICHLOROETHENE	3.817	96	103931	16.0338213	ppb		98
20) METHYL TERT-BUTYL ETHER	3.910	73	395969	23.7003448	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	259930	20.1976833	ppb		99
22) VINYL ACETATE	4.518	43	1752812	130.9996316	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	531637	22.4472829	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	197208	21.7457314	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.756	96	142677	19.9613031	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	107306	125.7218455	ppb		93
27) BROMOCHLOROMETHANE	4.910	130	71349	20.1397398	ppb		99
28) TETRAHYDROFURAN	5.100	42	55736	26.3941927	ppb		94
29) CHLOROFORM	4.962	83	249463	21.5597137	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	191053	20.2417373	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	142753	17.7674609	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	183582	17.8524088	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	503923	15.6890475	ppb		99
35) BENZENE	5.428	78	585856	19.2074420	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	185796	20.8347805	ppb		100
38) TRICHLOROETHENE	5.881	130	125097	18.7350791	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.303	62	112872	20.9693560	ppb		98
40) DIBROMOMETHANE	6.219	93	73260	21.0720062	ppb		98
41) BROMODICHLOROMETHANE	6.338	83	163490	21.3467870	ppb		99
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	10723	3.6158741	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	201063	20.5253790	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	357735	138.5132702	ppb		99
47) TOLUENE	7.055	91	640277	19.6675204	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	44627	21.4891777	ppb		98
50) 1,1,2-TRICHLOROETHANE	7.528	97	124428	21.6330291	ppb		100
51) TETRACHLOROETHENE	7.380	164	99086	17.7999735	ppb		98
52) 1,3-DICHLOROPROPANE	7.766	76	243246	21.2589557	ppb		99
53) 2-HEXANONE	8.068	58	341355	136.5311924	ppb		100
54) CHLORODIBROMOMETHANE	7.685	129	102301	21.4565522	ppb		99
55) 1,2-DIBROMOETHANE	7.901	107	111629	21.5737742	ppb		98
56) CHLOROBENZENE	8.354	112	400668	19.8887466	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	114611	21.5339054	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	226633	19.7172996	ppb	99
59)	M&P-XYLENE	8.499	106	560502	40.1115140	ppb	99
60)	O-XYLENE	8.888	106	262869	20.4503912	ppb	99
61)	STYRENE	8.936	104	314919	15.0851958	ppb	100
62)	BROMOFORM	8.965	173	55316	20.2356051	ppb	99
63)	ISOPROPYLBENZENE	9.174	105	726515	22.9585962	ppb	100
65)	BROMOBENZENE	9.547	77	332584	20.3002277	ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	176817	23.2430069	ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.756	110	52623	23.5664956	ppb	100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	47878	24.6955317	ppb	96
69)	N-PROPYLBENZENE	9.560	91	916786	20.6590701	ppb	100
70)	2-CHLOROTOLUENE	9.717	91	580821	20.4690078	ppb	99
71)	4-CHLOROTOLUENE	9.875	91	527828	20.7139701	ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	599788	20.9393164	ppb	99
73)	TERT-BUTYLBENZENE	10.052	119	512052	21.1794479	ppb	99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	585638	20.3419012	ppb	100
75)	SEC-BUTYLBENZENE	10.225	105	820363	21.1206514	ppb	99
76)	1,3-DICHLOROBENZENE	10.444	146	300815	20.7167608	ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	646201	21.3426527	ppb	100
79)	1,4-DICHLOROBENZENE	10.528	146	313148	22.0006077	ppb	87
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	616234	20.5744652	ppb	99
81)	1,2-DICHLOROBENZENE	10.949	146	275863	22.0236135	ppb	99
82)	N-BUTYLBENZENE	10.778	91	655696	22.6800902	ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	21593	25.0907910	ppb	98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	181577	23.5054496	ppb	98
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	100026	20.5633476	ppb	99
86)	NAPHTHALENE	12.791	128	443598	22.8407479	ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	159049	22.2308743	ppb	99
88)	1-METHYLNAPHTHALENE	13.904	142	197140	20.1228542	ppb	100
89)	2-METHYLNAPHTHALENE	14.068	142	191549	22.3783717	ppb	98
91)	ETHANOL	0.000		0	N.D.		
92)	BROMOETHANE	0.000		0	N.D.		
93)	METHYL ACETATE	3.830	43	11182	No Calib	#	
94)	ACETONITRILE	4.062	41	321	No Calib	#	
95)	ALLYL CHLORIDE	3.373	76	835	No Calib	#	
96)	TERT-BUTYL ALCOHOL	3.904	59	906	No Calib	#	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

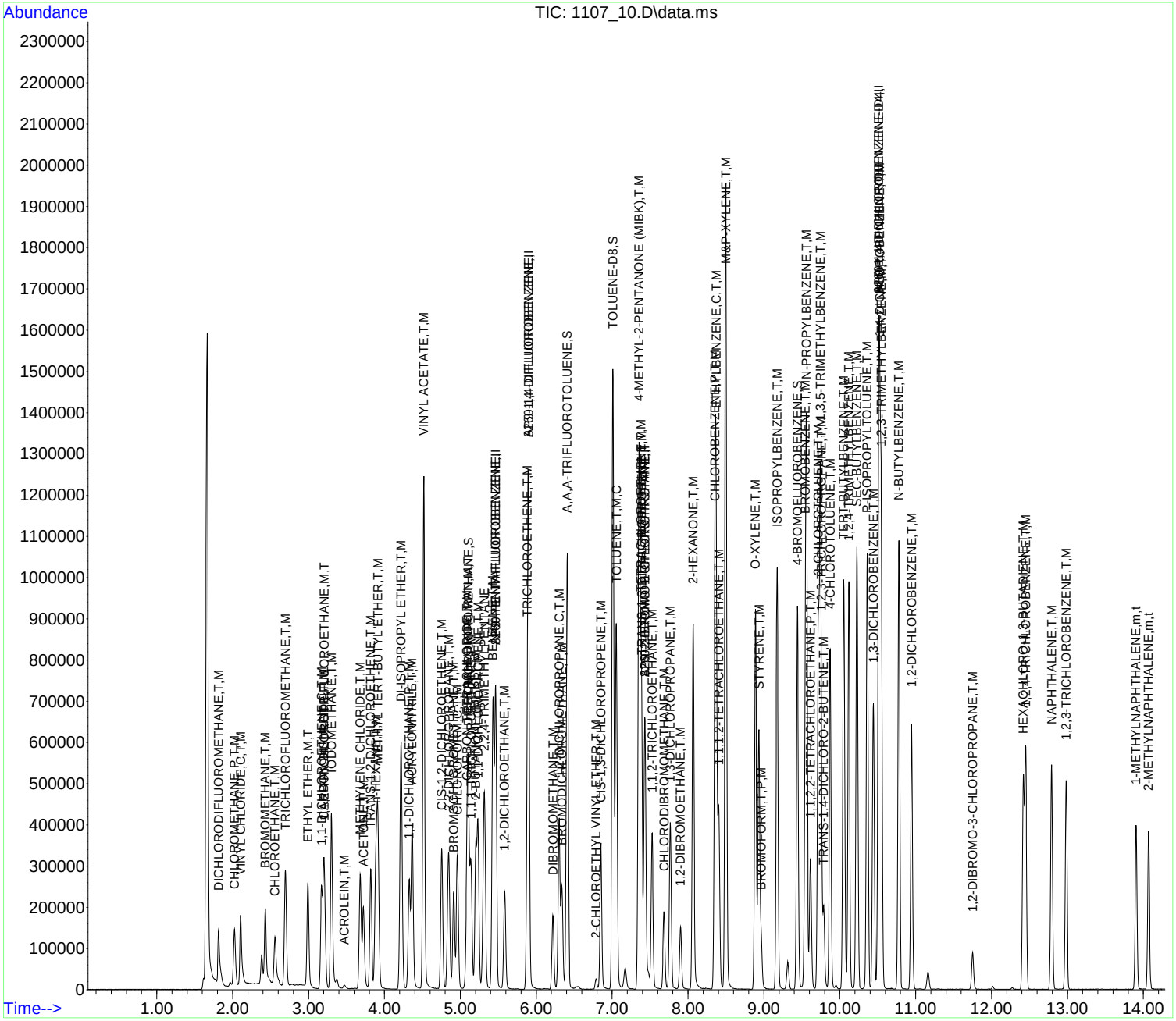
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	311783	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.328	59	1203	No Calib	#
99)	PROPIONITRILE	5.312	54	1446	No Calib	
100)	ETHYL ACETATE	5.052	43	2541	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1432	No Calib	#
102)	CYCLOHEXANE	4.923	56	189	No Calib	#
103)	TERT-BUTYL FORMATE	5.235	59	797	No Calib	#
104)	ISOBUTANOL	5.457	43	1432	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	9879	No Calib	#
108)	N-BUTANOL	6.110	56	396	No Calib	#
109)	METHYL CYCLOHEXANE	5.897	83	11624	No Calib	#
110)	2-NITROPROPANE	7.354	43	933891	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1648	No Calib	#
112)	1,4-DIOXANE	6.409	88	5316	No Calib	
113)	N-OCTANE	6.852	85	2471	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	463	No Calib	#
116)	ETHYL METHACRYLATE	7.351	69	6728	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	4839	No Calib	
118)	CYCLOHEXANONE	9.785	55	1318	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	20769	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8319	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_10.D
Acq On : 7 Nov 2011 10:35 pm
Operator : 209
Sample : MSD 1x WG564454 L544884-04
Misc : water ISSURR11J03320/SPK11K04855
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:36:34 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
Acq On : 7 Nov 2011 11:18 pm
Operator : 209
Sample : L544884-04 1x WG564454 V8260
Misc : water ISSURR11J03320
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:37:31 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	5.463	168	371198	40.0000000 ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	682296	40.0000000 ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	107091	40.0000000 ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	276675	40.0000000 ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	371785	40.0000000 ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	682296	40.0000000 ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	107091	40.0000000 ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	276675	40.0000000 ppb	0.00
System Monitoring Compounds					
30) DIBROMOFLUOROMETHANE	5.106	111	186159	40.5784766 ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 101.45%		
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	360559	41.4401253 ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.60%		
46) TOLUENE-D8	7.010	98	863358	41.2569006 ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.14%		
Spiked Amount 40.000	Range 75 - 128		Recovery = 103.65%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3632190	No Calib	
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	
4) CHLOROMETHANE	0.000		0	N.D.	
5) VINYL CHLORIDE	0.000		0	N.D.	
6) BROMOMETHANE	2.476	94	186	N.D.	
7) CHLOROETHANE	2.547	64	183	N.D.	
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	
9) ETHYL ETHER	0.000		0	N.D.	
10) ACROLEIN	0.000		0	N.D.	
11) 1,1-DICHLOROETHENE	0.000		0	N.D.	
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.	
13) ACETONE	3.727	43	5720	3.1280996 ppb	91
14) IODOMETHANE	3.299	142	233	N.D.	
15) CARBON DISULFIDE	3.196	76	204	N.D.	
16) METHYLENE CHLORIDE	3.679	84	3692	0.6451704 ppb	92

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
Acq On : 7 Nov 2011 11:18 pm
Operator : 209
Sample : L544884-04 1x WG564454 V8260
Misc : water ISSURR11J03320
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:37:31 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17)	ACRYLONITRILE	4.367	53	338	N.D.	
18)	n-HEXANE	3.888	56	1085	N.D.	
19)	TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20)	METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21)	1,1-DICHLOROETHANE	0.000		0	N.D.	
22)	VINYL ACETATE	4.524	43	708	N.D.	
23)	DI-ISOPROPYL ETHER	0.000		0	N.D.	
24)	2,2-DICHLOROPROPANE	0.000		0	N.D.	
25)	CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26)	2-BUTANONE (MEK)	5.206	72	743	1.0293386 ppb	78
27)	BROMOCHLOROMETHANE	0.000		0	N.D.	
28)	TETRAHYDROFURAN	0.000		0	N.D.	
29)	CHLOROFORM	0.000		0	N.D.	
31)	1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32)	CARBON TETRACHLORIDE	5.087	117	1479	N.D.	
33)	1,1-DICHLOROPROPENE	0.000		0	N.D.	
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	528	N.D.	
35)	BENZENE	5.428	78	929	N.D.	
36)	1,2-DICHLOROETHANE	0.000		0	N.D.	
38)	TRICHLOROETHENE	0.000		0	N.D.	
39)	1,2-DICHLOROPROPANE	0.000		0	N.D.	
40)	DIBROMOMETHANE	0.000		0	N.D.	
41)	BROMODICHLOROMETHANE	6.412	83	201	N.D.	
43)	2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44)	CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45)	4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47)	TOLUENE	7.055	91	8805	0.3156507 ppb	94
48)	TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50)	1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51)	TETRACHLOROETHENE	0.000		0	N.D.	
52)	1,3-DICHLOROPROPANE	7.756	76	227	N.D.	
53)	2-HEXANONE	0.000		0	N.D.	
54)	CHLORODIBROMOMETHANE	0.000		0	N.D.	
55)	1,2-DIBROMOETHANE	0.000		0	N.D.	
56)	CHLOROBENZENE	8.357	112	171	N.D.	
57)	1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
Acq On : 7 Nov 2011 11:18 pm
Operator : 209
Sample : L544884-04 1x WG564454 V8260
Misc : water ISSURR11J03320
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:37:31 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.499	106	635	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.543	77	534	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.566	91	481	N.D.	
70)	2-CHLOROTOLUENE	9.720	91	214	N.D.	
71)	4-CHLOROTOLUENE	9.875	91	392	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	9.746	105	256	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	620	N.D.	
75)	SEC-BUTYLBENZENE	10.119	105	620	N.D.	
76)	1,3-DICHLOROBENZENE	10.441	146	272	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.527	146	682	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	556	N.D.	
81)	1,2-DICHLOROBENZENE	10.955	146	339	N.D.	
82)	N-BUTYLBENZENE	10.775	91	259	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	12.450	180	703	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.794	128	1912	N.D.	
87)	1,2,3-TRICHLOROBENZENE	12.984	180	614	N.D.	
88)	1-METHYLNAPHTHALENE	13.900	142	1478	N.D.	
89)	2-METHYLNAPHTHALENE	14.067	142	1238	N.D.	
91)	ETHANOL	3.116	45	253	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.830	43	606	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
Acq On : 7 Nov 2011 11:18 pm
Operator : 209
Sample : L544884-04 1x WG564454 V8260
Misc : water ISSURR11J03320
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:37:31 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.367	53	338	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.055	43	1443	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1290	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.463	43	527	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.463	73	350	No Calib	#
108)	N-BUTANOL	6.110	56	812	No Calib	#
109)	METHYL CYCLOHEXANE	5.897	83	9263	No Calib	#
110)	2-NITROPROPANE	7.360	43	153	No Calib	#
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.409	88	4746	No Calib	#
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	226	No Calib	#
116)	ETHYL METHACRYLATE	0.000		0	N.D.	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	0.000		0	N.D.	
119)	PENTACHLOROETHANE	0.000		0	N.D.	
120)	HEXACHLOROETHANE	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
Acq On : 7 Nov 2011 11:18 pm
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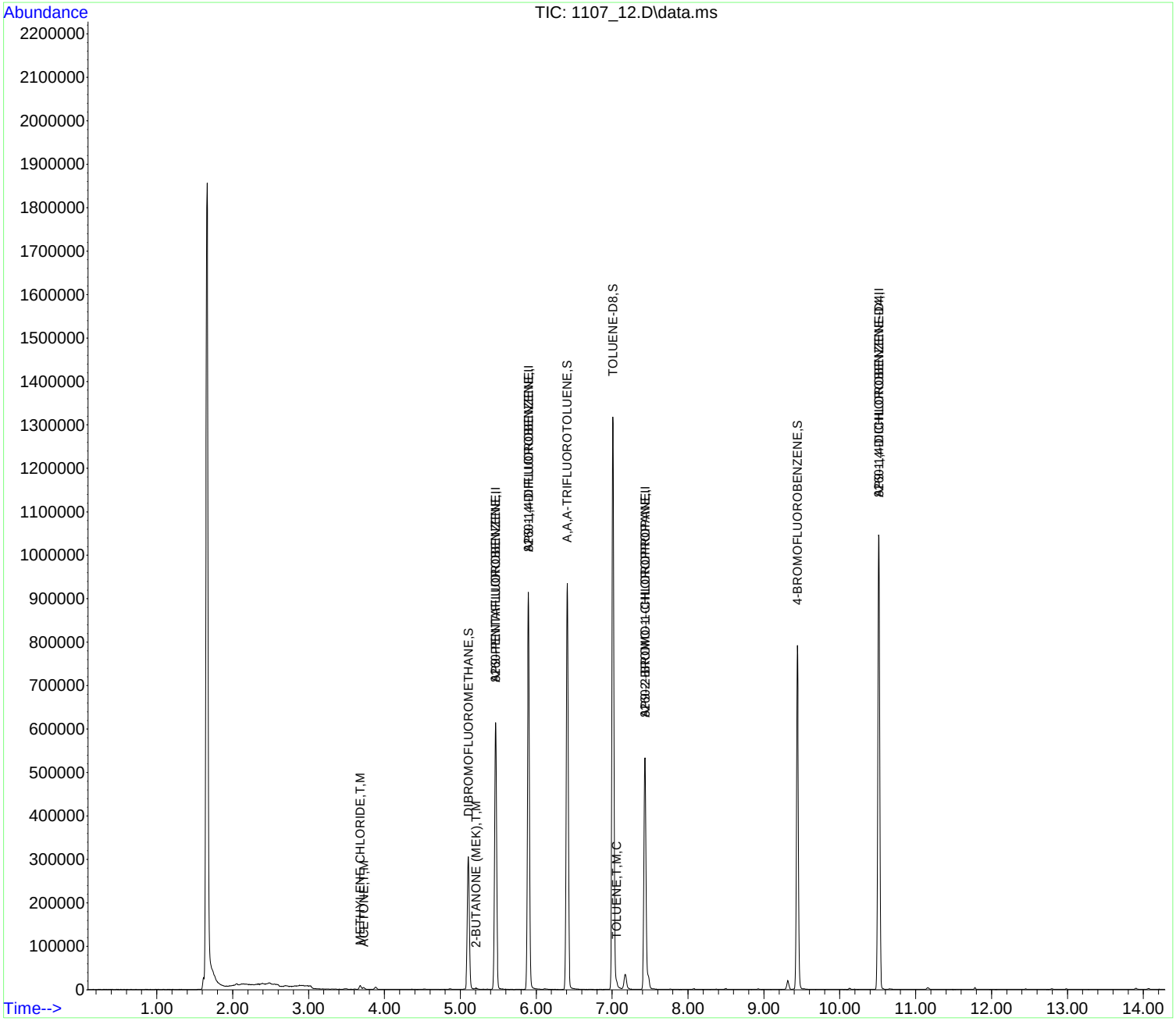
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
Acq On : 7 Nov 2011 11:18 pm
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QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	371198	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	682296	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	107091	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	276675	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	371785	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	682296	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	107091	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	276675	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	186159	40.5784766	ppb	0.00
Spiked Amount 40.000	Range 79 - 125		Recovery = 101.45%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	360559	41.4401253	ppb	0.00
Spiked Amount 40.000	Range 84 - 114		Recovery = 103.60%			
46) TOLUENE-D8	7.010	98	863358	41.2569006	ppb	0.00
Spiked Amount 40.000	Range 87 - 114		Recovery = 103.14%			
Spiked Amount 40.000	Range 75 - 128		Recovery = 103.65%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3632190	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	0.000		0	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	2.476	94	186	N.D.		
7) CHLOROETHANE	2.547	64	183	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	5720	3.1280996	ppb	91
14) IODOMETHANE	3.299	142	233	N.D.		
15) CARBON DISULFIDE	3.196	76	204	N.D.		
16) METHYLENE CHLORIDE	3.679	84	3692	0.6451704	ppb	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
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Quant Method : C:\msdchem\1\methods\V822K02K.M
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	4.367	53	338	N.D.	
18) n-HEXANE	3.888	56	1085	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	4.524	43	708	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	5.206	72	743	1.0293386 ppb	78
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.087	117	1479	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	528	N.D.	
35) BENZENE	5.428	78	929	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	201	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	8805	0.3156507 ppb	94
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.756	76	227	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	8.357	112	171	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
Acq On : 7 Nov 2011 11:18 pm
Operator : 209
Sample : L544884-04 1x WG564454 V8260
Misc : water ISSURR11J03320
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:37:31 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.499	106	635	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.543	77	534	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.566	91	481	N.D.	
70)	2-CHLOROTOLUENE	9.720	91	214	N.D.	
71)	4-CHLOROTOLUENE	9.875	91	392	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	9.746	105	256	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	620	N.D.	
75)	SEC-BUTYLBENZENE	10.119	105	620	N.D.	
76)	1,3-DICHLOROBENZENE	10.441	146	272	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.527	146	682	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	556	N.D.	
81)	1,2-DICHLOROBENZENE	10.955	146	339	N.D.	
82)	N-BUTYLBENZENE	10.775	91	259	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	12.450	180	703	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.794	128	1912	N.D.	
87)	1,2,3-TRICHLOROBENZENE	12.984	180	614	N.D.	
88)	1-METHYLNAPHTHALENE	13.900	142	1478	N.D.	
89)	2-METHYLNAPHTHALENE	14.067	142	1238	N.D.	
91)	ETHANOL	3.116	45	253	No Calib	#
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.830	43	606	No Calib	#
94)	ACETONITRILE	0.000		0	N.D.	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
Acq On : 7 Nov 2011 11:18 pm
Operator : 209
Sample : L544884-04 1x WG564454 V8260
Misc : water ISSURR11J03320
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:37:31 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

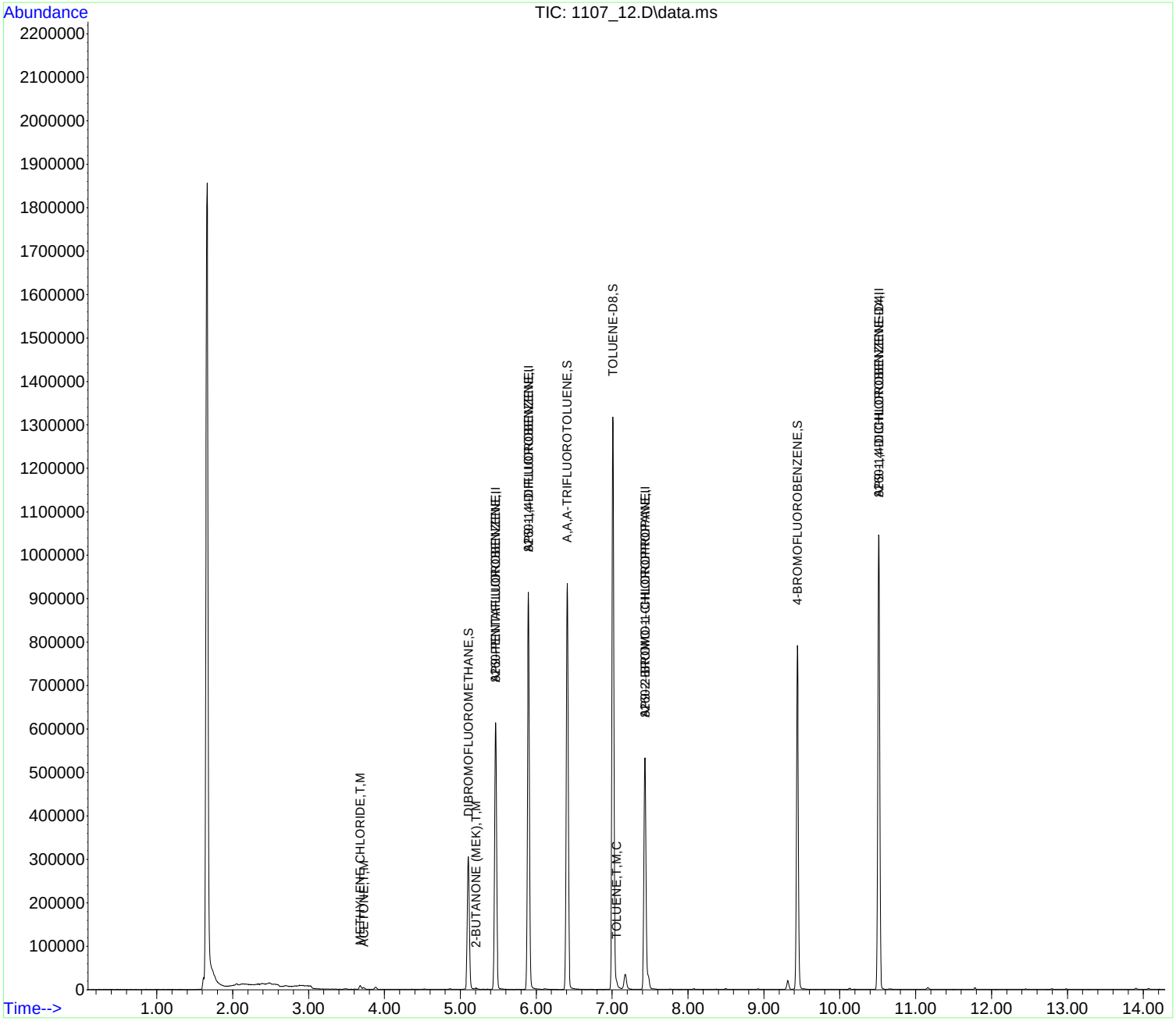
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.367	53	338	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.055	43	1443	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1290	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.463	43	527	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.463	73	350	No Calib	#
108)	N-BUTANOL	6.110	56	812	No Calib	#
109)	METHYL CYCLOHEXANE	5.897	83	9263	No Calib	#
110)	2-NITROPROPANE	7.360	43	153	No Calib	#
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.409	88	4746	No Calib	#
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	226	No Calib	#
116)	ETHYL METHACRYLATE	0.000		0	N.D.	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	0.000		0	N.D.	
119)	PENTACHLOROETHANE	0.000		0	N.D.	
120)	HEXACHLOROETHANE	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110711\
Data File : 1107_12.D
Acq On : 7 Nov 2011 11:18 pm
Operator : 209
Sample : L544884-04 1x WG564454 V8260
Misc : water ISSURR11J03320
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 08 08:37:31 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Calibration

Initial Calibration Raw Data

Instrument ID : VOCMS22 Review Protocol : SW846

Method : V822K02K Review Method : 8260B

Data Released By: Amy Green 11/02/2011

Amy Green Date

Analyst Comments:

Percent RSD criteria for Average Response Factor was not met for BROMOFORM. Linear Regression Curve Fit has been used for calibrating BROMOFORM. All Non-Average Respose Factor criteria has been met. TARGET criteria for all parameters were met. POOR PERF criteria for all parameters were met. SPCC criteria for all parameters were met. All tune criteria has been met. All RF criteria has been met for SSCV. %D criteria has not been met for ACROLEIN. %Recovery criteria has not been met for NAPHTHALENE.

Mint Miner 2.03 (80118) Directory Scan: z:\110211

2 Nov 2011 14:09

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: z:\110211\1102_01.D					
Original Path: 1102_01.D					
0	Scanned		209	VOCMS22	INSTBLK VMS (soil ISSURR10G08815)
Scan File Path: z:\110211\1102_02.D					
Original Path: C:\msdchem\1\data\110211\1102_02.D\data.ms					
0	Scanned		209	VOCMS22	INSTBLK VMS (soil ISSURR10G08815)
Scan File Path: z:\110211\1102_03.D					
Original Path: C:\msdchem\1\data\110211\1102_03.D\data.ms					
0	Scanned		209	VOCMS22	INSTBLK VMS (soil ISSURR10G08815)
Scan File Path: z:\110211\1102_04.D					
Original Path: C:\msdchem\1\data\110211\1102_04.D\data.ms					
19	Scanned	D(19)	209	VOCMS22	STD VMS .5 PPB 11J21182 (soil ISSURR10G0
Scan File Path: z:\110211\1102_05.D					
Original Path: C:\msdchem\1\data\110211\1102_05.D\data.ms					
19	Scanned	D(19)	209	VOCMS22	STD VMS 1 PPB 11J21182 (soil ISSURR10G08
Scan File Path: z:\110211\1102_06.D					
Original Path: C:\msdchem\1\data\110211\1102_06.D\data.ms					
20	Scanned	D(20)	209	VOCMS22	STD VMS 2 PPB 11J21182 (soil ISSURR10G08
Scan File Path: z:\110211\1102_07.D					
Original Path: C:\msdchem\1\data\110211\1102_07.D\data.ms					
24	Scanned	D(24)	209	VOCMS22	STD VMS 5 PPB 11J21182 (soil ISSURR10G08
Scan File Path: z:\110211\1102_08.D					
Original Path: C:\msdchem\1\data\110211\1102_08.D\data.ms					
27	Scanned	D(27)	209	VOCMS22	STD VMS 10 PPB 11J21182 (soil ISSURR10G
Scan File Path: z:\110211\1102_09.D					
Original Path: C:\msdchem\1\data\110211\1102_09.D\data.ms					
54	Scanned	D(54)	209	VOCMS22	STD VMS 25 PPB 11J21182 (soil ISSURR10G
Scan File Path: z:\110211\1102_10.D					
Original Path: C:\msdchem\1\data\110211\1102_10.D\data.ms					
26	Scanned	D(26)	209	VOCMS22	STD VMS 40 PPB 11J21182 (soil ISSURR10G
Scan File Path: z:\110211\1102_11.D					
Original Path: C:\msdchem\1\data\110211\1102_11.D\data.ms					
29	Scanned	D(29)	209	VOCMS22	STD VMS 75 PPB 11J21182 (soil ISSURR10G

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: z:\110211\1102_12.D					
Original Path: C:\msdchem\1\data\110211\1102_12.D\data.ms					
29	Scanned	D(29)	209	VOCMS22	STD VMS 100 PPB 11J21182 (soil ISSURR10
Scan File Path: z:\110211\1102_13.D					
Original Path: C:\msdchem\1\data\110211\1102_13.D\data.ms					
30	Scanned	M(1), D(29)	209	VOCMS22	STD VMS 200 PPB 11J21182 (soil ISSURR10
Scan File Path: z:\110211\1102_14.D					
Original Path: C:\msdchem\1\data\110211\1102_14.D\data.ms					
0	Scanned		209	VOCMS22	INSTBLK VMS (soil ISSURR10G08815)
Scan File Path: z:\110211\1102_15.D					
Original Path: C:\msdchem\1\data\110211\1102_15.D\data.ms					
0	Scanned		209	VOCMS22	SSCV VMS 25 PPB 11J06506 (soil ISSURR1

D = Deletion of any analyte M = Manual integration (non-specific)

ScanSummary.rpt

Total Files Scanned	Beginning Analyzed Date
Methods	Ending Analyzed Date
Samples	Analyzed Range
Tunes	Greatest Time Between Tunes
CCCs	Greatest Time Between CCCs

Distinct Method Last Updated count
Operators Intruments

Instrument: VOCMS22
Method: V822K02K

Initial Calibration Run Log

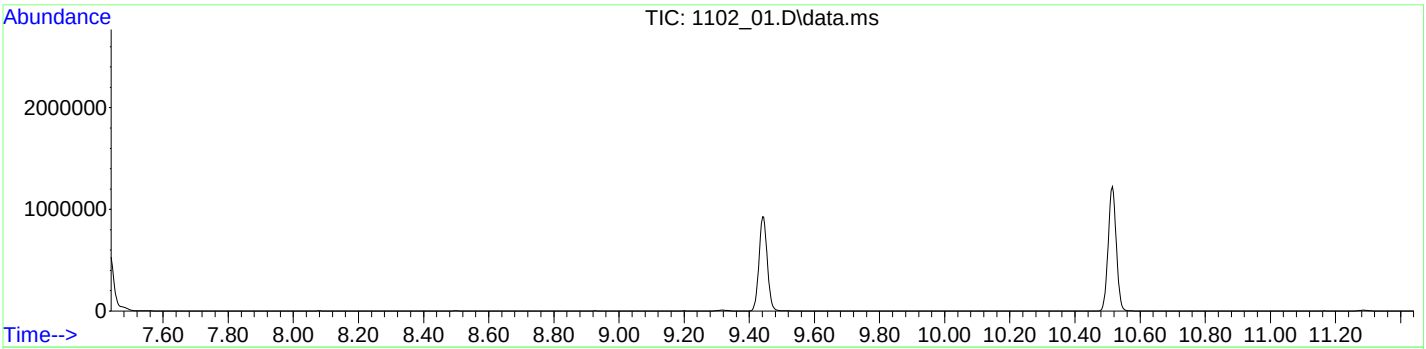
File ID	Level ID	Date Analyzed
1102_04.D	.50	11/2/2011 6:21:00 AM
1102_05.D	1	11/2/2011 7:33:00 AM
1102_06.D	2	11/2/2011 7:54:00 AM
1102_07.D	5.0	11/2/2011 8:16:00 AM
1102_08.D	10	11/2/2011 8:37:00 AM
1102_09.D	25	11/2/2011 8:59:00 AM
1102_10.D	40	11/2/2011 9:20:00 AM
1102_11.D	75	11/2/2011 9:42:00 AM
1102_12.D	100	11/2/2011 10:04:00 AM
1102_13.D	200	11/2/2011 10:25:00 AM

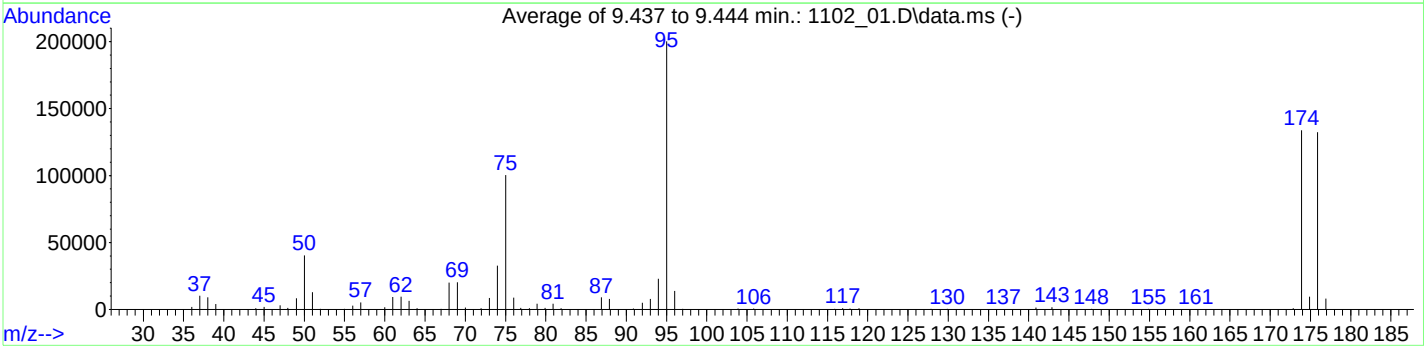
BFB

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\V822K02K.M
Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22





AutoFind: Scans 2907, 2908, 2909; Background Corrected with Scan 2893

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	40456	PASS
75	95	30	60	50.1	100347	PASS
95	95	100	100	100.0	200277	PASS
96	95	5	9	6.9	13767	PASS
173	174	0.00	2	0.7	878	PASS
174	95	50	150	66.8	133715	PASS
175	174	5	9	7.2	9573	PASS
176	174	95	101	99.1	132456	PASS
177	176	5	9	6.2	8171	PASS

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Initial Calibration Summary

Instrument ID	: VOCMS22	Method	: V822K02K
Released By	: Amy Green	Review Method	: 8260B
Released On	: 11/2/2011 1:40:15 PM	Review Protocol	: SW846

C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic

Parameter	.50	1	2	5.0	10	25	40	75	100	200	AvgRF	%RSD	COD	CUR
8260-PENTAFLUOROBENZENE														
TPH (GC/MS) LOW FRACTION											0	0	0	1
DICHLORODIFLUOROMETHANE	0.613	0.844	0.648	0.748	0.663	0.733	0.697	0.624	0.645	0.649	0.686	10.33	0.103	1
CHLOROMETHANE		1.225	1.044	0.982	0.84	0.923	0.904	0.813	0.847	0.873	0.939	13.82	0.138	1
VINYL CHLORIDE	0.954	1.221	1.052	1.042	0.915	0.999	0.977	0.885	0.925	0.938	0.991	9.8	0.098	1
BROMOMETHANE	0.569	0.677	0.603	0.586	0.479	0.551	0.515	0.464	0.461	0.472	0.538	13.41	0.134	1
CHLOROETHANE			0.713	0.687	0.581	0.642	0.616	0.504	0.477		0.603	14.66	0.147	1
TRICHLOROFLUOROMETHANE	1.096	1.406	1.257	1.214	1.075	1.143	1.1	0.971	0.979	0.943	1.118	12.85	0.128	1
ETHYL ETHER	0.594	0.768	0.641	0.645	0.589	0.602	0.597	0.527	0.542	0.531	0.604	11.78	0.118	1
ACROLEIN	0.069	0.073	0.063	0.071	0.067	0.071	0.074	0.068	0.075	0.08	0.071	6.81	0.068	1
1,1-DICHLOROETHENE	0.465	0.533	0.515	0.512	0.448	0.502	0.499	0.462	0.483	0.505	0.492	5.5	0.055	1
1,1,2-TRICHLOROTRIFLUOROETHANE	0.478	0.581	0.586	0.54	0.495	0.538	0.538	0.494	0.516	0.535	0.53	6.73	0.067	1
ACETONE			0.235	0.221	0.204	0.181	0.202	0.17	0.191	0.172	0.197	11.87	0.119	1
IODOMETHANE	0.46	0.568	0.568	0.614	0.581	0.677	0.693	0.656	0.705	0.749	0.627	13.64	0.136	1
CARBON DISULFIDE	1.184	1.373	1.207	1.26	1.165	1.416	1.465	1.416	1.529	1.653	1.367	11.81	0.118	1
METHYLENE CHLORIDE				0.725	0.613	0.628	0.621	0.556	0.581	0.592	0.617	8.73	0.087	1
ACRYLONITRILE	0.195	0.233	0.217	0.229	0.221	0.231	0.237	0.211	0.233	0.237	0.224	6.03	0.06	1
n-HEXANE	0.649	0.748	0.677	0.677	0.622	0.674	0.667	0.607	0.629	0.646	0.66	5.98	0.06	1
TRANS-1,2-DICHLOROETHENE	0.542	0.647	0.611	0.61	0.55	0.603	0.603	0.554	0.584	0.603	0.591	5.6	0.056	1
METHYL TERT-BUTYL ETHER	1.271	1.626	1.516	1.549	1.438	1.549	1.588	1.47	1.583	1.635	1.523	7.11	0.071	1
1,1-DICHLOROETHANE	1.042	1.257	1.194	1.214	1.097	1.217	1.217	1.115	1.17	1.206	1.173	5.72	0.057	1
VINYL ACETATE	0.891	1.188	1.133	1.247	1.188	1.384	1.295	1.231	1.281	1.355	1.219	11.38	0.114	1
DI-ISOPROPYL ETHER	1.809	2.27	2.071	2.196	2.011	2.261	2.301	2.124	2.25	2.291	2.158	7.3	0.073	1
2,2-DICHLOROPROPANE	0.716	0.853	0.785	0.824	0.732	0.867	0.873	0.824	0.87	0.92	0.826	7.86	0.079	1
CIS-1,2-DICHLOROETHENE	0.606	0.723	0.668	0.672	0.613	0.667	0.659	0.612	0.637	0.657	0.651	5.45	0.055	1

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Initial Calibration Summary

Instrument ID	: VOCMS22	Method	: V822K02K
Released By	: Amy Green	Review Method	: 8260B
Released On	: 11/2/2011 1:40:15 PM	Review Protocol	: SW846

C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic

Parameter	.50	1	2	5.0	10	25	40	75	100	200	AvgRF	%RSD	COD	CUR
2-BUTANONE (MEK)	0.076	0.082	0.074	0.08	0.078	0.077	0.082	0.071	0.08	0.079	0.078	4.36	0.044	1
BROMOCHLOROMETHANE	0.305	0.355	0.334	0.339	0.304	0.333	0.332	0.298	0.313	0.316	0.323	5.7	0.057	1
TETRAHYDROFURAN	0.192	0.208	0.169	0.205	0.194	0.192	0.194	0.176	0.196	0.199	0.192	6.3	0.063	1
CHLOROFORM	0.948	1.148	1.083	1.126	0.98	1.082	1.091	0.987	1.037	1.063	1.054	6.2	0.062	1
DIBROMOFLUOROMETHANE	0.491	0.491	0.48	0.487	0.491	0.491	0.496	0.504	0.503	0.511	0.494	1.85	0.019	1
1,1,1-TRICHLOROETHANE	0.747	0.922	0.858	0.871	0.801	0.9	0.905	0.829	0.871	0.899	0.86	6.31	0.063	1
CARBON TETRACHLORIDE	0.913	0.849	0.695	0.675	0.617	0.703	0.719	0.675	0.72	0.757	0.732	11.99	0.12	1
1,1-DICHLOROPROPENE	0.85	1.005	0.951	0.974	0.881	0.97	0.973	0.885	0.921	0.961	0.937	5.38	0.054	1
2,2,4-TRIMETHYLPENTANE	2.458	3.028	2.924	3.011	2.785	3.117	3.104	2.825	2.964	3.056	2.927	6.77	0.068	1
BENZENE	2.643	3.118	2.869	2.896	2.605	2.85	2.809	2.566	2.686	2.755	2.78	5.95	0.06	1
1,2-DICHLOROETHANE	0.77	0.936	0.831	0.842	0.782	0.828	0.825	0.743	0.781	0.787	0.813	6.63	0.066	1
8260-1,4-DIFLUOROBENZENE														
TRICHLOROETHENE	0.308	0.368	0.342	0.35	0.308	0.346	0.347	0.313	0.332	0.34	0.335	5.95	0.059	1
1,2-DICHLOROPROPANE	0.234	0.271	0.277	0.278	0.251	0.287	0.287	0.262	0.277	0.281	0.27	6.27	0.063	1
DIBROMOMETHANE	0.143	0.188	0.179	0.182	0.17	0.181	0.183	0.165	0.175	0.179	0.175	7.36	0.074	1
BROMODICHLOROMETHANE	0.3	0.389	0.347	0.376	0.352	0.411	0.423	0.392	0.418	0.438	0.385	10.91	0.109	1
A,A,A-TRIFLUOROTOLUENE	0.524	0.518	0.518	0.507	0.504	0.519	0.511	0.498	0.512	0.489	0.51	2.09	0.021	1
2-CHLOROETHYL VINYL ETHER			0.109	0.13	0.135	0.154	0.165	0.153	0.169	0.176	0.149	15.17	0.152	1
CIS-1,3-DICHLOROPROPENE		0.414	0.423	0.452	0.45	0.532	0.55	0.506	0.541	0.561	0.492	11.69	0.117	1
4-METHYL-2-PENTANONE (MIBK)	0.098	0.127	0.114	0.128	0.128	0.137	0.146	0.129	0.144	0.146	0.13	11.58	0.116	1
TOLUENE-D8	1.272	1.25	1.239	1.243	1.229	1.21	1.208	1.213	1.218	1.187	1.227	2.01	0.02	1
TOLUENE	1.594	1.857	1.735	1.703	1.517	1.661	1.665	1.483	1.555	1.584	1.635	6.86	0.069	1
TRANS-1,3-DICHLOROPROPENE		0.091	0.082	0.093	0.089	0.109	0.116	0.109	0.119	0.13	0.104	15.41	0.154	1
8260-2-BROMO-1-CHLOROPROPANE														
1,1,2-TRICHLOROETHANE	1.616	1.917	1.758	1.783	1.548	1.716	1.701	1.523	1.635	1.675	1.687	6.9	0.069	1

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Initial Calibration Summary

Instrument ID	: VOCMS22	Method	: V822K02K
Released By	: Amy Green	Review Method	: 8260B
Released On	: 11/2/2011 1:40:15 PM	Review Protocol	: SW846

C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic

Parameter	.50	1	2	5.0	10	25	40	75	100	200	AvgRF	%RSD	COD	CUR
TETRACHLOROETHENE	1.52	1.912	1.722	1.681	1.453	1.632	1.612	1.486	1.587	1.726	1.633	8.32	0.083	1
1,3-DICHLOROPROPANE	3.344	3.882	3.445	3.434	3.098	3.422	3.386	3.015	3.223	3.316	3.357	7.01	0.07	1
2-HEXANONE	0.526	0.678	0.62	0.726	0.726	0.791	0.836	0.743	0.838	0.85	0.733	14.18	0.142	1
CHLORODIBROMOMETHANE		1.28	1.195	1.297	1.187	1.456	1.486	1.435	1.557	1.696	1.399	12.29	0.123	1
1,2-DIBROMOETHANE	1.275	1.545	1.492	1.58	1.422	1.61	1.611	1.448	1.573	1.623	1.518	7.26	0.073	1
CHLOROBENZENE	5.092	6.367	6.085	6.134	5.346	6.14	6.038	5.568	5.943	6.386	5.91	7.33	0.073	1
1,1,1,2-TETRACHLOROETHANE	1.231	1.608	1.5	1.523	1.368	1.69	1.661	1.556	1.678	1.798	1.561	10.68	0.107	1
ETHYLBENZENE		3.287	3.339	3.448	3.002	3.549	3.458	3.195	3.385	3.684	3.372	5.92	0.059	1
M&P-XYLENE	3.179	4.238	4.09	4.305	3.746	4.356	4.298	3.948	4.232	4.6	4.099	9.72	0.097	1
O-XYLENE	2.955	3.943	3.638	3.872	3.484	4.098	4.023	3.661	3.887	4.147	3.771	9.45	0.094	1
STYRENE	4.265	5.661	5.805	6.323	5.561	6.831	6.8	6.22	6.683	7.093	6.124	13.71	0.137	1
BROMOFORM	0.392	0.538	0.497	0.615	0.582	0.739	0.8	0.787	0.887		0.649	25.19	0.992	0
ISOPROPYLBENZENE	6.76	9.51	9.139999	9.75	8.64	10.19	10.04	9.1	9.559999	10.16	9.28	10.99	0.11	1
4-BROMOFLUOROBENZENE	2.755	2.821	2.765	2.731	2.656	2.728	2.683	2.684	2.661	2.705	2.719	1.9	0.019	1
BROMOBENZENE	4.43	5.553	4.968	4.899	4.302	4.956	4.83	4.406	4.687	5.031	4.806	7.71	0.077	1
1,1,2,2-TETRACHLOROETHANE	1.85	2.549	2.253	2.3	2.092	2.333	2.328	2.063	2.22	2.329	2.232	8.56	0.086	1
1,2,3-TRICHLOROPROPANE	0.545	0.681	0.647	0.672	0.641	0.689	0.687	0.609	0.671	0.708	0.655	7.29	0.073	1
TRANS-1,4-DICHLORO-2-BUTENE	0.478	0.553	0.524	0.566	0.525	0.609	0.605	0.56	0.615	0.652	0.569	9.15	0.092	1
N-PROPYLBENZENE	10.52	14.19	13.1	13.6	11.84	14.02	13.64	12.33	13.11	13.81	13.02	8.81	0.088	1
2-CHLOROTOLUENE	6.955	9.253	8.558	8.543	7.57	8.859	8.613	7.819	8.244	8.828	8.324	8.3	0.083	1
4-CHLOROTOLUENE	6.402	8.172	7.579	7.824	6.765	8.007	7.797	6.997	7.391	7.818	7.475	7.74	0.077	1
1,3,5-TRIMETHYLBENZENE	6.418	8.422	8.257	8.825	7.669	9.166	9.025	8.154	8.672	9.423	8.403	10.36	0.104	1
TERT-BUTYLBENZENE	5.554	7.336	6.933	7.306	6.474	7.732	7.578	6.899	7.249	7.864	7.092	9.61	0.096	1
1,2,4-TRIMETHYLBENZENE	6.451	8.59	8.321	8.979	7.828	9.288	9.024	8.157	8.629	9.189	8.446	9.98	0.1	1
SEC-BUTYLBENZENE	8.92	12.03	11.24	11.93	10.51	12.51	12.14	10.92	11.51	12.23	11.39	9.4	0.094	1

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Initial Calibration Summary

Instrument ID	: VOCMS22	Method	: V822K02K
Released By	: Amy Green	Review Method	: 8260B
Released On	: 11/2/2011 1:40:15 PM	Review Protocol	: SW846

C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic

Parameter	.50	1	2	5.0	10	25	40	75	100	200	AvgRF	%RSD	COD	CUR
1,3-DICHLOROBENZENE	4.015	4.714	4.423	4.451	3.799	4.467	4.315	3.888	4.121	4.402	4.26	6.85	0.068	1
P-ISOPROPYLTOLUENE	6.06	9	8.450 001	9.33	8.2	9.96	9.639 999	8.77	9.34	10.07	8.88	13.12	0.131	1
8260-1,4-DICHLOROBENZENE-D4														
1,4-DICHLOROBENZENE	1.634	2.037	1.823	1.76	1.586	1.763	1.747	1.581	1.682	1.745	1.736	7.67	0.077	1
1,2,3-TRIMETHYLBENZENE	3.047	3.902	3.655	3.755	3.414	3.88	3.873	3.491	3.697	3.812	3.653	7.36	0.074	1
1,2-DICHLOROBENZENE	1.296	1.762	1.539	1.598	1.425	1.592	1.59	1.431	1.508	1.535	1.528	8.22	0.082	1
N-BUTYLBENZENE	2.605	3.568	3.452	3.657	3.392	3.927	3.867	3.47	3.65	3.67	3.526	10.39	0.104	1
1,2-DIBROMO-3-CHLOROPROPANE			0.091	0.085	0.093	0.109	0.119	0.111	0.128		0.105	15.07	0.151	1
1,2,4-TRICHLOROBENZENE	0.852	0.961	0.902	0.925	0.866	0.984	0.996	0.913	0.988	1.035	0.942	6.37	0.064	1
HEXACHLORO-1,3-BUTADIENE	0.502	0.653	0.584	0.605	0.545	0.617	0.619	0.563	0.603	0.642	0.593	7.76	0.078	1
NAPHTHALENE				2.11	2.136	2.429	2.552	2.271	2.53	2.553	2.369	8.23	0.082	1
1,2,3-TRICHLOROBENZENE	0.769	0.943	0.831	0.854	0.825	0.914	0.923	0.835	0.906	0.927	0.873	6.59	0.066	1
1-METHYLNAPHTHALENE					0.931	1.152	1.254	1.15	1.318	1.363	1.195	12.98	0.13	1
2-METHYLNAPHTHALENE				0.848	0.903	1.059	1.142	1.025	1.157	1.172	1.044	12.23	0.122	1
AP9-PENTAFLUOROBENZENE														
ETHANOL											0	0	0	1
BROMOETHANE											0	0	0	1
METHYL ACETATE											0	0	0	1
ACETONITRILE											0	0	0	1
ALLYL CHLORIDE											0	0	0	1
TERT-BUTYL ALCOHOL											0	0	0	1
CHLOROPRENE											0	0	0	1
ETHYL TERT-BUTYL ETHER											0	0	0	1
PROPIONITRILE											0	0	0	1
ETHYL ACETATE											0	0	0	1

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Initial Calibration Summary

Instrument ID	: VOCMS22	Method	: V822K02K
Released By	: Amy Green	Review Method	: 8260B
Released On	: 11/2/2011 1:40:15 PM	Review Protocol	: SW846

C = 1 --> Average Response, C = 0 --> Linear Regression, C = 3 --> Quadratic

Parameter	.50	1	2	5.0	10	25	40	75	100	200	AvgRF	%RSD	COD	CUR
METHACRYLONITRILE											0	0	0	1
CYCLOHEXANE											0	0	0	1
TERT-BUTYL FORMATE											0	0	0	1
ISOBUTANOL											0	0	0	1
T-AMYL ALCOHOL											0	0	0	1
TERT-AMYL METHYL ETHER											0	0	0	1
AP9-1,4-DIFLUOROBENZENE														
N-BUTANOL											0	0	0	1
METHYL CYCLOHEXANE											0	0	0	1
2-NITROPROPANE											0	0	0	1
METHYL METHACRYLATE											0	0	0	1
1,4-DIOXANE											0	0	0	1
N-OCTANE											0	0	0	1
3,3-DIMETHYL-1-BUTANOL											0	0	0	1
AP9-2-BROMO-1-CHLOROPROPANE														
ETHYL METHACRYLATE											0	0	0	1
CIS-1,4-DICHLORO-2-BUTENE											0	0	0	1
CYCLOHEXANONE											0	0	0	1
PENTACHLOROETHANE											0	0	0	1
HEXACHLOROETHANE											0	0	0	1
AP9-1,4-DICHLOROBENZENE-D4														

Response Factor Report VOCMS22

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Calibration Files
.50 =1102_04.D 1 =1102_05.D 2 =1102_06.D 5.0 =1102_07.D 10 =1102_08.D 25 =1102_09.D
40 =1102_10.D 75 =1102_11.D 100 =1102_12.D 200 =1102_13.D 2.5a=1108_24.D 5a =1108_25.D
7.5a=1108_26.D 10a =1108_27.D 12a =1108_28.D 15a =1108_29.D 17a =1108_30.D 20a =1108_31.D
1a =1108_23.D

```
      Compound            .50   1     2     5.0   10    25    40    75    100   200   2.5a  5a    7.5a  10a
12a   15a   17a   20a   1a    Avg      %RSD
-------------------------------------------------------------------------------------------------------------
-----------------------------------------------

1) I   8260-PENTAFLUOROBE... ----------------ISTD--------------------

                              0.000#  -1.00
3) T,M DICHLORODIFLUO... 0.613 0.844 0.648 0.748 0.663 0.733 0.697 0.624 0.645 0.649
                              0.686   10.33
4) P,T,MCHLOROMETHANE           1.225 1.044 0.982 0.840 0.923 0.904 0.813 0.847 0.873
                               0.939   13.82
5) C,T,MVINYL CHLORIDE    0.954 1.221 1.052 1.042 0.915 0.999 0.977 0.885 0.925 0.938
                               0.991    9.80#
6) T,M BROMOMETHANE      0.569 0.677 0.603 0.586 0.479 0.551 0.515 0.464 0.461 0.472
                              0.538   13.41
7) T,M CHLOROETHANE                   0.713 0.687 0.581 0.642 0.616 0.504 0.477
                              0.603   14.66
8) T,M TRICHLOROFLUOR... 1.096 1.406 1.257 1.214 1.075 1.143 1.100 0.971 0.979 0.943
                              1.118   12.85
9) M,T ETHYL ETHER       0.594 0.768 0.641 0.645 0.589 0.602 0.597 0.527 0.542 0.531
                              0.604   11.78
10) T,M ACROLEIN         0.069 0.073 0.063 0.071 0.067 0.071 0.074 0.068 0.075 0.080
                              0.071#   6.81
11) C,T,M1,1-DICHLOROET... 0.465 0.533 0.515 0.512 0.448 0.502 0.499 0.462 0.483 0.505
                               0.492    5.50#
12) M,T 1,1,2-TRICHLOR... 0.478 0.581 0.586 0.540 0.495 0.538 0.538 0.494 0.516 0.535
```

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13) T,M ACETONE                      0.235 0.221 0.204 0.181 0.202 0.170 0.191 0.172
                              0.197#  11.87
14) T,M IODOMETHANE       0.460 0.568 0.568 0.614 0.581 0.677 0.693 0.656 0.705 0.749
                              0.627   13.64
15) T,M CARBON DISULFIDE  1.184 1.373 1.207 1.260 1.165 1.416 1.465 1.416 1.529 1.653
                              1.367   11.81
16) T,M METHYLENE CHLO...                  0.725 0.613 0.628 0.621 0.556 0.581 0.592
                              0.617    8.73
17) T,M ACRYLONITRILE     0.195 0.233 0.217 0.229 0.221 0.231 0.237 0.211 0.233 0.237
                              0.224#   6.03
18) T,M n-HEXANE          0.649 0.748 0.677 0.677 0.622 0.674 0.667 0.607 0.629 0.646
                              0.660    5.98
19) T,M TRANS-1,2-DICH... 0.542 0.647 0.611 0.610 0.550 0.603 0.603 0.554 0.584 0.603
                              0.591    5.60
20) T,M METHYL TERT-BU... 1.271 1.626 1.516 1.549 1.438 1.549 1.588 1.470 1.583 1.635
                              1.523    7.11
21) P,T,M1,1-DICHLOROET... 1.042 1.257 1.194 1.214 1.097 1.217 1.217 1.115 1.170 1.206
                               1.173    5.72
22) T,M VINYL ACETATE     0.891 1.188 1.133 1.247 1.188 1.384 1.295 1.231 1.281 1.355
                              1.219   11.38
23) T,M DI-ISOPROPYL E... 1.809 2.270 2.071 2.196 2.011 2.261 2.301 2.124 2.250 2.291
                              2.158    7.30
24) T,M 2,2-DICHLOROPR... 0.716 0.853 0.785 0.824 0.732 0.867 0.873 0.824 0.870 0.920
                              0.826    7.86
25) T,M CIS-1,2-DICHLO... 0.606 0.723 0.668 0.672 0.613 0.667 0.659 0.612 0.637 0.657
                              0.651    5.45
26) T,M 2-BUTANONE (MEK)  0.076 0.082 0.074 0.080 0.078 0.077 0.082 0.071 0.080 0.079
                              0.078#   4.36
27) T,M BROMOCHLOROMET... 0.305 0.355 0.334 0.339 0.304 0.333 0.332 0.298 0.313 0.316
                              0.323    5.70
28) M,T TETRAHYDROFURAN   0.192 0.208 0.169 0.205 0.194 0.192 0.194 0.176 0.196 0.199
                              0.192#   6.30
29) C,T,MCHLOROFORM        0.948 1.148 1.083 1.126 0.980 1.082 1.091 0.987 1.037 1.063
```

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                                 1.054    6.20#
                                       Response Factor Report VOCMS22

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30) S   DIBROMOFLUOROM... 0.491 0.491 0.480 0.487 0.491 0.491 0.496 0.504 0.503 0.511
                                 0.494    1.85
31) T,M 1,1,1-TRICHLOR... 0.747 0.922 0.858 0.871 0.801 0.900 0.905 0.829 0.871 0.899
                                 0.860    6.31
32) T,M CARBON TETRACH... 0.913 0.849 0.695 0.675 0.617 0.703 0.719 0.675 0.720 0.757
                                 0.732   11.99
33) T,M 1,1-DICHLOROPR... 0.850 1.005 0.951 0.974 0.881 0.970 0.973 0.885 0.921 0.961
                                 0.937    5.38
34)     2,2,4-TRIMETHY... 2.458 3.028 2.924 3.011 2.785 3.117 3.104 2.825 2.964 3.056
                                 2.927    6.77
35) T,M BENZENE           2.643 3.118 2.869 2.896 2.605 2.850 2.809 2.566 2.686 2.755
                                 2.780    5.95
36) T,M 1,2-DICHLOROET... 0.770 0.936 0.831 0.842 0.782 0.828 0.825 0.743 0.781 0.787
                                 0.813    6.63

37) I   8260-1,4-DIFLUOROB... ----------------ISTD---------------------
38) T,M TRICHLOROETHENE   0.308 0.368 0.342 0.350 0.308 0.346 0.347 0.313 0.332 0.340
                                 0.335    5.95
39) C,T,M1,2-DICHLOROPR... 0.234 0.271 0.277 0.278 0.251 0.287 0.287 0.262 0.277 0.281

40) T,M DIBROMOMETHANE    0.143 0.188 0.179 0.182 0.170 0.181 0.183 0.165 0.175 0.179
                                 0.175#   7.36
41) T,M BROMODICHLOROM... 0.300 0.389 0.347 0.376 0.352 0.411 0.423 0.392 0.418 0.438
                                 0.385   10.91
42) S   A,A,A-TRIFLUOR... 0.524 0.518 0.518 0.507 0.504 0.519 0.511 0.498 0.512 0.489
                                 0.510    2.09
43) T,M 2-CHLOROETHYL ...             0.109 0.130 0.135 0.154 0.165 0.153 0.169 0.176
                                 0.149#  15.17
44) T,M CIS-1,3-DICHLO...       0.414 0.423 0.452 0.450 0.532 0.550 0.506 0.541 0.561
                                 0.492   11.69
45) T,M 4-METHYL-2-PEN... 0.098 0.127 0.114 0.128 0.128 0.137 0.146 0.129 0.144 0.146
                                 0.130#  11.58
46) S   TOLUENE-D8        1.272 1.250 1.239 1.243 1.229 1.210 1.208 1.213 1.218 1.187
```

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                                1.227    2.01
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47) T,M,CTOLUENE           1.594 1.857 1.735 1.703 1.517 1.661 1.665 1.483 1.555 1.584
                                1.635    6.86#
48) T,M TRANS-1,3-DICH...       0.091 0.082 0.093 0.089 0.109 0.116 0.109 0.119 0.130


49) I   8260-2-BROMO-1-CHL... ----------------ISTD--------------------
50) T,M 1,1,2-TRICHLOR... 1.616 1.917 1.758 1.783 1.548 1.716 1.701 1.523 1.635 1.675
                                1.687    6.90
51) T,M TETRACHLOROETHENE 1.520 1.912 1.722 1.681 1.453 1.632 1.612 1.486 1.587 1.726
                                1.633    8.32
52) T,M 1,3-DICHLOROPR... 3.344 3.882 3.445 3.434 3.098 3.422 3.386 3.015 3.223 3.316
                                3.357    7.01
53) T,M 2-HEXANONE        0.526 0.678 0.620 0.726 0.726 0.791 0.836 0.743 0.838 0.850
                                0.733   14.18
54) T,M CHLORODIBROMOM...       1.280 1.195 1.297 1.187 1.456 1.486 1.435 1.557 1.696
                                1.399   12.29
55) T,M 1,2-DIBROMOETHANE 1.275 1.545 1.492 1.580 1.422 1.610 1.611 1.448 1.573 1.623
                                1.518    7.26
56) P,T,MCHLOROBENZENE     5.092 6.367 6.085 6.134 5.346 6.140 6.038 5.568 5.943 6.386
                                5.910    7.33
57) T,M 1,1,1,2-TETRAC... 1.231 1.608 1.500 1.523 1.368 1.690 1.661 1.556 1.678 1.798
                                1.561   10.68
58) C,T,METHYLBENZENE           3.287 3.339 3.448 3.002 3.549 3.458 3.195 3.385 3.684
                                3.372    5.92#
59) T,M M&P-XYLENE        3.179 4.238 4.090 4.305 3.746 4.356 4.298 3.948 4.232 4.600
                                4.099    9.72
60) T,M O-XYLENE          2.955 3.943 3.638 3.872 3.484 4.098 4.023 3.661 3.887 4.147
                                3.771    9.45
61) T,M STYRENE           4.265 5.661 5.805 6.323 5.561 6.831 6.800 6.220 6.683 7.093
                                6.124   13.71
62) T,P,MBROMOFORM         0.392 0.538 0.497 0.615 0.582 0.739 0.800 0.787 0.887
                                0.649   25.19
63) T,M ISOPROPYLBENZENE  0.676 0.951 0.914 0.975 0.864 1.019 1.004 0.910 0.956 1.016
```

0.928 E1 10.99

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64) S 4-BROMOFLUOROB... 2.755 2.821 2.765 2.731 2.656 2.728 2.683 2.684 2.661 2.705
2.719 1.90
65) T,M BROMOBENZENE 4.430 5.553 4.968 4.899 4.302 4.956 4.830 4.406 4.687 5.031
4.806 7.71
66) P,T,M1,1,2,2-TETRAC... 1.850 2.549 2.253 2.300 2.092 2.333 2.328 2.063 2.220 2.329
2.232 8.56
67) T,M 1,2,3-TRICHLOR... 0.545 0.681 0.647 0.672 0.641 0.689 0.687 0.609 0.671 0.708
0.655 7.29
68) T,M TRANS-1,4-DICH... 0.478 0.553 0.524 0.566 0.525 0.609 0.605 0.560 0.615 0.652
0.569 9.15
69) T,M N-PROPYLBENZENE 1.052 1.419 1.310 1.360 1.184 1.402 1.364 1.233 1.311 1.381
1.302 E1 8.81
70) T,M 2-CHLOROTOLUENE 6.955 9.253 8.558 8.543 7.570 8.859 8.613 7.819 8.244 8.828
8.324 8.30
71) T,M 4-CHLOROTOLUENE 6.402 8.172 7.579 7.824 6.765 8.007 7.797 6.997 7.391 7.818
7.475 7.74
72) T,M 1,3,5-TRIMETHY... 6.418 8.422 8.257 8.825 7.669 9.166 9.025 8.154 8.672 9.423
8.403 10.36
73) T,M TERT-BUTYLBENZENE 5.554 7.336 6.933 7.306 6.474 7.732 7.578 6.899 7.249 7.864
7.092 9.61
74) T,M 1,2,4-TRIMETHY... 6.451 8.590 8.321 8.979 7.828 9.288 9.024 8.157 8.629 9.189
8.446 9.98
75) T,M SEC-BUTYLBENZENE 0.892 1.203 1.124 1.193 1.051 1.251 1.214 1.092 1.151 1.223
1.139 E1 9.40
76) T,M 1,3-DICHLOROBE... 4.015 4.714 4.423 4.451 3.799 4.467 4.315 3.888 4.121 4.402
4.260 6.85
77) T,M P-ISOPROPYLTOL... 0.606 0.900 0.845 0.933 0.820 0.996 0.964 0.877 0.934 1.007
0.888 E1 13.12

78) I 8260-1,4-DICHLOROB... ----------ISTD----------
79) T,M 1,4-DICHLOROBE... 1.634 2.037 1.823 1.760 1.586 1.763 1.747 1.581 1.682 1.745
1.736 7.67
80) M,T 1,2,3-TRIMETHY... 3.047 3.902 3.655 3.755 3.414 3.880 3.873 3.491 3.697 3.812

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                                3.653    7.36
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81) T,M 1,2-DICHLOROBE... 1.296 1.762 1.539 1.598 1.425 1.592 1.590 1.431 1.508 1.535
                                1.528    8.22
82) T,M N-BUTYLBENZENE    2.605 3.568 3.452 3.657 3.392 3.927 3.867 3.470 3.650 3.670
                                3.526   10.39
83) T,M 1,2-DIBROMO-3-...             0.091 0.085 0.093 0.109 0.119 0.111 0.128
                                0.105#  15.07
84) T,M 1,2,4-TRICHLOR... 0.852 0.961 0.902 0.925 0.866 0.984 0.996 0.913 0.988 1.035
                                0.942    6.37
85) T,M HEXACHLORO-1,3... 0.502 0.653 0.584 0.605 0.545 0.617 0.619 0.563 0.603 0.642
                                0.593    7.76
86) T,M NAPHTHALENE                         2.110 2.136 2.429 2.552 2.271 2.530 2.553
                                2.369    8.23
87) T,M 1,2,3-TRICHLOR... 0.769 0.943 0.831 0.854 0.825 0.914 0.923 0.835 0.906 0.927
                                0.873    6.59
88) m,t 1-METHYLNAPHTH...                         0.931 1.152 1.254 1.150 1.318 1.363
                                1.195   12.98
89) m,t 2-METHYLNAPHTH...                   0.848 0.903 1.059 1.142 1.025 1.157 1.172
                                1.044   12.23

90) I   AP9-PENTAFLUOROBEN... ----------------ISTD--------------------
91) T   ETHANOL
                                0.000#  -1.00
92) T   BROMOETHANE
                                0.000#  -1.00
93) T   METHYL ACETATE
                                0.000#  -1.00
94) T   ACETONITRILE
                                0.000#  -1.00
95) T   ALLYL CHLORIDE
                                0.000#  -1.00
96) T   TERT-BUTYL ALC...

97) T   CHLOROPRENE
```

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                                0.000#  -1.00
                                        Response Factor Report VOCMS22

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  Title     : Env. Science Corp. 8260B/6210D/624 - VOCMS22
  Last Update  : Wed Nov 02 13:37:07 2011
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 98) T   ETHYL TERT-BUT...
                                0.000#  -1.00
 99) T   PROPIONITRILE
                                0.000#  -1.00
100) T   ETHYL ACETATE
                                0.000#  -1.00
101) T   METHACRYLONITRILE
                                0.000#  -1.00
102) T   CYCLOHEXANE
                                0.000#  -1.00
103)     TERT-BUTYL FOR...
                                0.000#  -1.00
104) T   ISOBUTANOL
                                0.000#  -1.00
105) T   T-AMYL ALCOHOL
                                0.000#  -1.00
106) T   TERT-AMYL METH...
                                0.000#  -1.00

107) I   AP9-1,4-DIFLUOROBE... ----------------ISTD--------------------
108) T   N-BUTANOL
                                0.000#  -1.00
109) T   METHYL CYCLOHE...
                                0.000#  -1.00
110) T   2-NITROPROPANE
                                0.000#  -1.00
111) T   METHYL METHACR...
                                0.000#  -1.00
112) T   1,4-DIOXANE
                                0.000#  -1.00
113) T   N-OCTANE

114)     3,3-DIMETHYL-1...
```

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115) I AP9-2-BROMO-1-CHLO... ----------ISTD----------
116) T ETHYL METHACRY...
0.000# -1.00
117) T CIS-1,4-DICHLO...
0.000# -1.00
118) T CYCLOHEXANONE
0.000# -1.00
119) T PENTACHLOROETHANE
0.000# -1.00
120) T HEXACHLOROETHANE
0.000# -1.00

121) I AP9-1,4-DICHLOROBE... ----------ISTD----------

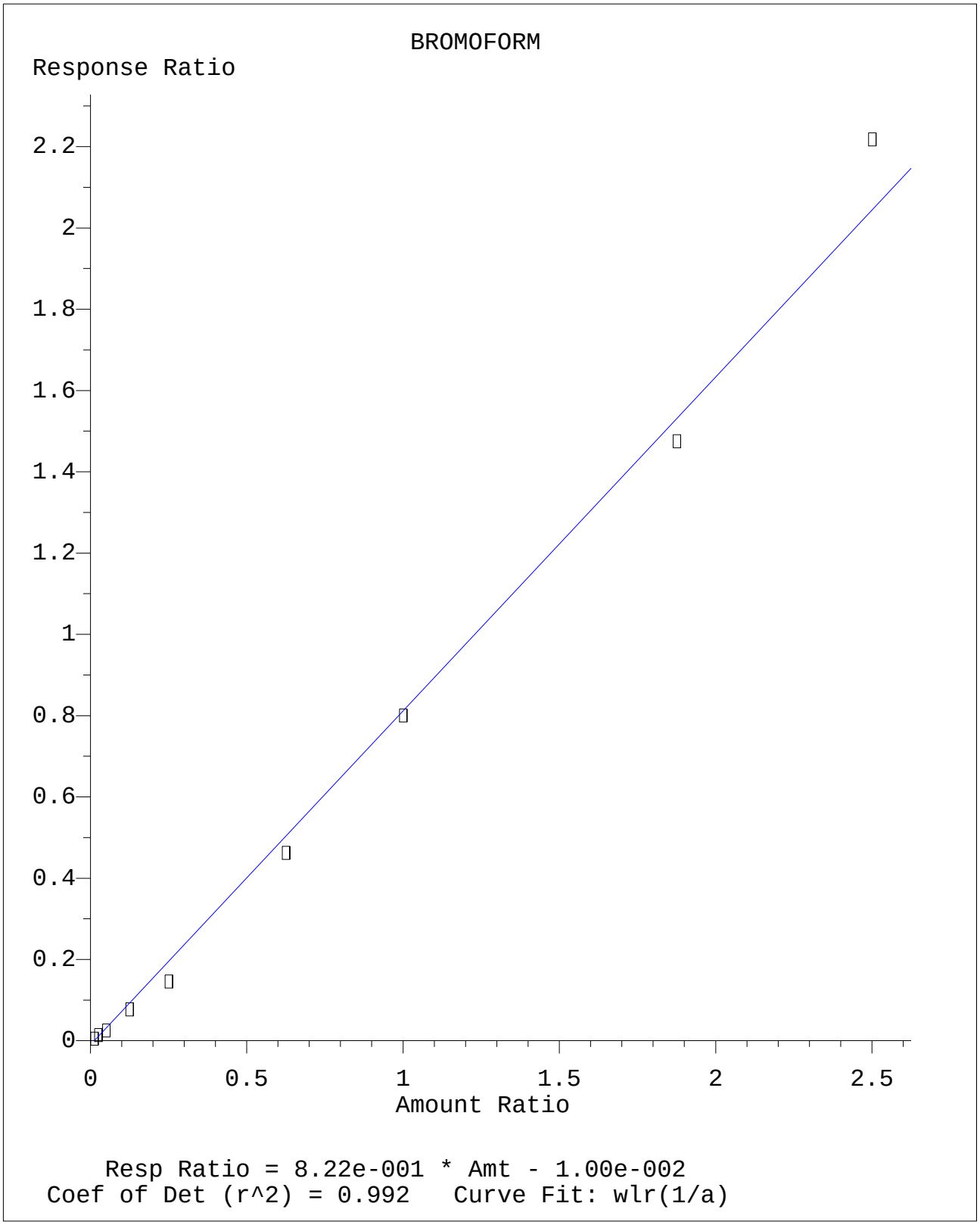
(#) = Out of Range

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

Manual Integrations - Audit Trail

Instrument ID	: VOCMS22	Method	: V822K02K
Released By	: Amy Green	Review Method	: 8260B
Released On	: 11/2/2011 1:40:34 PM	Review Protocol	: SW846

File ID	Level ID	Parameter	Old Conc.	New Conc.	Old Resp.	New Resp.
1102_13.D	200	CHLOROETHANE	76.3258ppb	111.184ppb	507904	739864



Method Name: C:\msdchem\1\methods\V822K02K.M

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_04.D
Acq On : 2 Nov 2011 6:21 am
Operator : 209
Sample : STD VMS .5 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:16:58 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:16:48 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	441872	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	805525	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	127601	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.514	152	326955	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	441872	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	805525	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	127601	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.514	152	326955	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	216891	39.9927384	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 99.98%			
42) A,A,A-TRIFLUOROTOLUENE	6.408	146	422304	40.3996095	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 101.00%			
46) TOLUENE-D8	7.013	98	1024296	42.0308639	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 105.08%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 100.96%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4347555m	Below Cal		
3) DICHLORODIFLUOROMETHANE	1.817	85	3385	0.4183043	ppb	98
4) CHLOROMETHANE	2.020	50	7244	0.7105604	ppb #	86
5) VINYL CHLORIDE	2.106	62	5270	0.4773010	ppb #	50
6) BROMOMETHANE	2.434	94	3141	0.5163462	ppb	91
7) CHLOROETHANE	2.553	64	1113	N.D.		
8) TRICHLOROFLUOROMETHANE	2.698	101	6053	0.4793582	ppb	97
9) ETHYL ETHER	2.994	59	3279	0.4928307	ppb #	83
10) ACROLEIN	3.476	56	1917	2.4452961	ppb	93
11) 1,1-DICHLOROETHENE	3.174	96	2567	0.4624713	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	2640	0.4445500	ppb #	97
13) ACETONE	3.730	43	12199	6.1170116	ppb	97
14) IODOMETHANE	3.302	142	12699	1.6971689	ppb	98
15) CARBON DISULFIDE	3.200	76	6538	0.4179323	ppb	96
16) METHYLENE CHLORIDE	3.682	84	7882	1.1357959	ppb	97

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QLast Update : Wed Nov 02 13:16:48 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.370	53	5379	2.1074728	ppb		99
18)	n-HEXANE	3.888	56	3587	0.4812775	ppb		91
19)	TRANS-1,2-DICHLOROETHENE	3.823	96	2996	0.4493968	ppb		95
20)	METHYL TERT-BUTYL ETHER	3.910	73	7023	0.4105366	ppb	#	100
21)	1,1-DICHLOROETHANE	4.328	63	5754	0.4281113	ppb		99
22)	VINYL ACETATE	4.518	43	24613	1.6096217	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	9990	0.3998979	ppb		94
24)	2,2-DICHLOROPROPANE	4.846	77	3955	0.4131728	ppb	#	91
25)	CIS-1,2-DICHLOROETHENE	4.753	96	3347	0.4541856	ppb		96
26)	2-BUTANONE (MEK)	5.203	72	2102	2.4870955	ppb		97
27)	BROMOCHLOROMETHANE	4.913	130	1684	0.4571955	ppb		92
28)	TETRAHYDROFURAN	5.106	42	1062	0.5015260	ppb	#	79
29)	CHLOROFORM	4.962	83	5234	0.4377770	ppb		97
31)	1,1,1-TRICHLOROETHANE	5.135	97	4124	0.4148734	ppb		99
32)	CARBON TETRACHLORIDE	5.090	117	5044	0.6492872	ppb	#	59
33)	1,1-DICHLOROPROPENE	5.235	75	4693	0.4378916	ppb		97
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	13577	0.3943360	ppb		90
35)	BENZENE	5.428	78	14601	0.4638440	ppb		99
36)	1,2-DICHLOROETHANE	5.579	62	4255	0.4649275	ppb		96
38)	TRICHLOROETHENE	5.881	130	3105	0.4461029	ppb	#	52
39)	1,2-DICHLOROPROPANE	6.296	62	2357	0.4073915	ppb		97
40)	DIBROMOMETHANE	6.222	93	1444	0.3961116	ppb		98
41)	BROMODICHLOROMETHANE	6.341	83	3024	0.3651260	ppb	#	91
43)	2-CHLOROETHYL VINYL ETHER	6.791	63	3875	1.2500800	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.855	75	3307	0.3089190	ppb	#	94
45)	4-METHYL-2-PENTANONE (...	7.360	58	4940	1.7888395	ppb		96
47)	TOLUENE	7.055	91	16046	0.4796879	ppb		100
48)	TRANS-1,3-DICHLOROPROPENE	7.386	110	487	N.D.			
50)	1,1,2-TRICHLOROETHANE	7.527	97	2578	0.4709787	ppb		94
51)	TETRACHLOROETHENE	7.379	164	2424	0.4656009	ppb		94
52)	1,3-DICHLOROPROPANE	7.765	76	5334	0.4885959	ppb		98
53)	2-HEXANONE	8.074	58	4198	1.6645257	ppb		82
54)	CHLORODIBROMOMETHANE	7.688	129	1535	0.3305786	ppb	#	88
55)	1,2-DIBROMOETHANE	7.900	107	2034	0.3959702	ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.402	133	1964	0.3642136	ppb	#	97

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:16:48 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	3968	0.3504540 ppb		92
59)	M&P-XYLENE	8.498	106	10140	0.7297559 ppb		95
60)	O-XYLENE	8.887	106	4714	0.3605875 ppb		98
61)	STYRENE	8.936	104	6802	0.3121349 ppb		98
62)	BROMOFORM	8.965	173	626	N.D.		
63)	ISOPROPYLBENZENE	9.177	105	10775	0.3314584 ppb		94
65)	BROMOBENZENE	9.550	77	7066	0.4469501 ppb		93
66)	1,1,2,2-TETRACHLOROETHANE	9.617	83	2951	0.3965136 ppb	#	78
67)	1,2,3-TRICHLOROPROPANE	9.752	110	870	0.3960163 ppb	#	69
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	763	0.3928710 ppb	#	39
69)	N-PROPYLBENZENE	9.563	91	16785	0.3752200 ppb		99
70)	2-CHLOROTOLUENE	9.720	91	11093	0.3925467 ppb		99
71)	4-CHLOROTOLUENE	9.875	91	10212	0.3998129 ppb		98
72)	1,3,5-TRIMETHYLBENZENE	9.746	105	10236	0.3500769 ppb		96
73)	TERT-BUTYLBENZENE	10.055	119	8858	0.3591280 ppb		99
74)	1,2,4-TRIMETHYLBENZENE	10.122	105	10290	0.3473001 ppb		99
75)	SEC-BUTYLBENZENE	10.228	105	14235	0.3567864 ppb		99
76)	1,3-DICHLOROBENZENE	10.447	146	6404	0.4494271 ppb		97
77)	P-ISOPROPYLTOLUENE	10.363	119	9661	0.3040118 ppb		96
79)	1,4-DICHLOROBENZENE	10.530	146	6679	0.4633940 ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.550	105	12453	0.3926400 ppb		99
81)	1,2-DICHLOROBENZENE	10.948	146	5298	0.4071421 ppb		98
82)	N-BUTYLBENZENE	10.781	91	10647	0.3317348 ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.756	157	203	N.D.		
84)	1,2,4-TRICHLOROBENZENE	12.453	180	3481	0.4328508 ppb		94
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	2050	0.4067121 ppb		96
86)	NAPHTHALENE	12.791	128	7215	0.3634076 ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	3141	0.4206431 ppb		94
88)	1-METHYLNAPHTHALENE	13.907	142	3223	0.3421501 ppb	#	93
91)	ETHANOL	0.000		0	N.D.		
92)	BROMOETHANE	0.000		0	N.D.		
93)	METHYL ACETATE	3.827	43	1225	No Calib	#	
94)	ACETONITRILE	4.113	41	788	No Calib	#	
95)	ALLYL CHLORIDE	0.000		0	N.D.		
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.		

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Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.370	53	5379	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.219	59	1103	No Calib	#
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.058	43	591	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1370	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.460	43	749	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	180	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	10661	No Calib	#
110)	2-NITROPROPANE	7.357	43	12464	No Calib	
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.408	88	5521	No Calib	#
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.016	59	292	No Calib	#
116)	ETHYL METHACRYLATE	0.000		0	N.D.	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	9.920	55	349	No Calib	#
119)	PENTACHLOROETHANE	10.051	117	469	No Calib	#
120)	HEXACHLOROETHANE	10.784	117	348	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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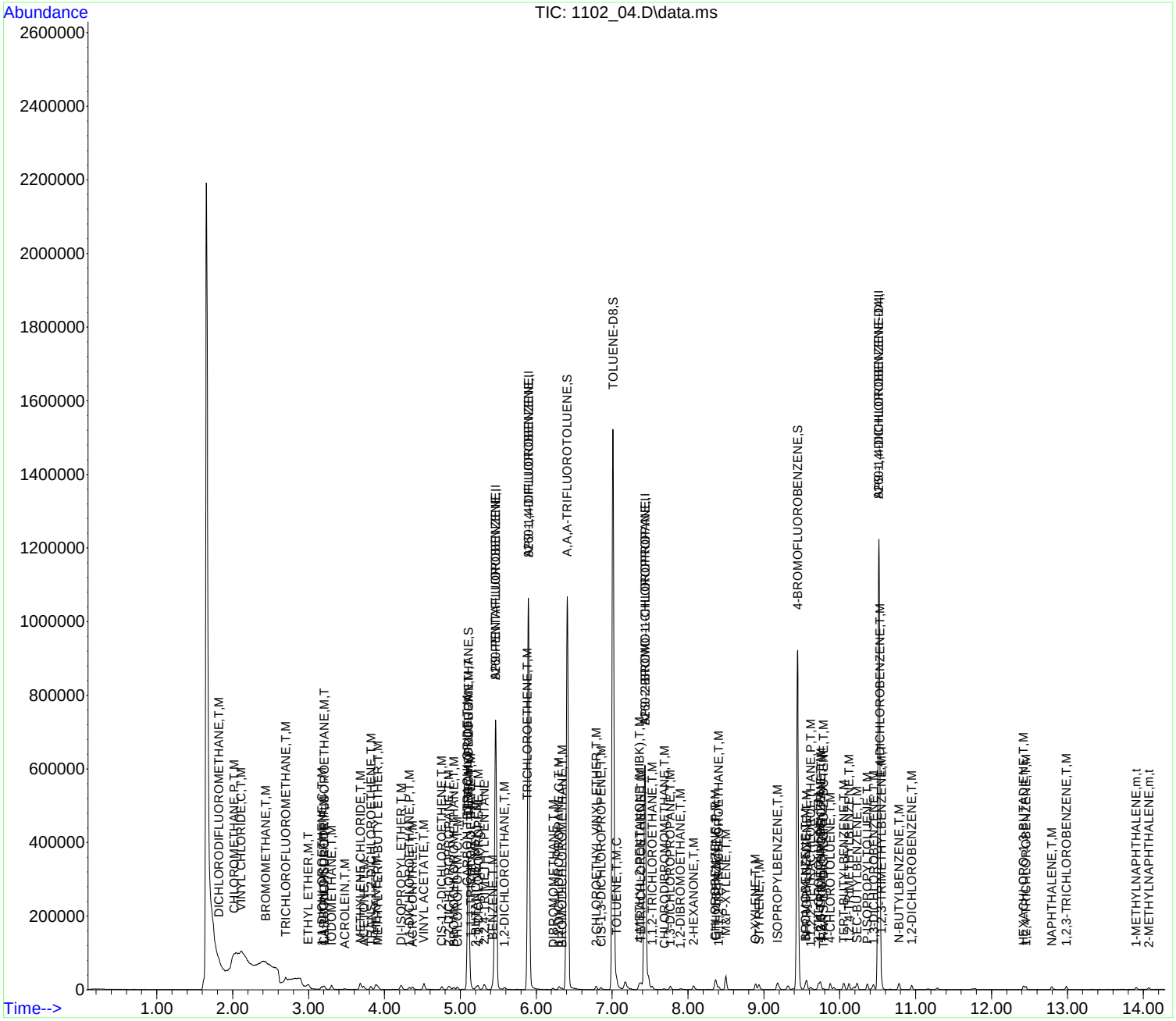

Quantitation Report (QT Reviewed)

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Acq On : 2 Nov 2011 6:21 am
Operator : 209
Sample : STD VMS .5 PPB 11J21182
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Quant Time: Nov 02 13:18:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
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37)	8260-1,4-DIFLUOROBENZENE	5.897	114	805525	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	127601	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.514	152	326955	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.106	111	216891	39.9927384	ppb	0.00
	Spiked Amount 40.000	Range 63 - 139		Recovery = 99.98%			
42)	A,A,A-TRIFLUOROTOLUENE	6.408	146	422304	40.3996095	ppb	0.00
	Spiked Amount 40.000	Range 80 - 118		Recovery = 101.00%			
46)	TOLUENE-D8	7.013	98	1024296	42.0308639	ppb	0.00
	Spiked Amount 40.000	Range 84 - 116		Recovery = 105.08%			
	Spiked Amount 40.000	Range 59 - 140		Recovery = 100.96%			
Target Compounds							Qvalue
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20)	METHYL TERT-BUTYL ETHER	3.910	73	7023	0.4105366 ppb	#	100
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22)	VINYL ACETATE	4.518	43	24613	1.6096217 ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	9990	0.3998979 ppb		94
24)	2,2-DICHLOROPROPANE	4.846	77	3955	0.4131728 ppb	#	91
25)	CIS-1,2-DICHLOROETHENE	4.753	96	3347	0.4541856 ppb		96
26)	2-BUTANONE (MEK)	5.203	72	2102	2.4870955 ppb		97
27)	BROMOCHLOROMETHANE	4.913	130	1684	0.4571955 ppb		92
28)	TETRAHYDROFURAN	5.106	42	1062	0.5015260 ppb	#	79
29)	CHLOROFORM	4.962	83	5234	0.4377770 ppb		97
31)	1,1,1-TRICHLOROETHANE	5.135	97	4124	0.4148734 ppb		99
32)	CARBON TETRACHLORIDE	5.090	117	5044	0.6492872 ppb	#	59
33)	1,1-DICHLOROPROPENE	5.235	75	4693	0.4378916 ppb		97
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53)	2-HEXANONE	8.074	58	4198	1.6645257 ppb		82
54)	CHLORODIBROMOMETHANE	7.688	129	1535	0.3305786 ppb	#	88
55)	1,2-DIBROMOETHANE	7.900	107	2034	0.3959702 ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.402	133	1964	0.3642136 ppb	#	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_04.D
Acq On : 2 Nov 2011 6:21 am
Operator : 209
Sample : STD VMS .5 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:18:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:16:48 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	3968	0.3504540 ppb		92
59)	M&P-XYLENE	8.498	106	10140	0.7297559 ppb		95
60)	O-XYLENE	8.887	106	4714	0.3605875 ppb		98
61)	STYRENE	8.936	104	6802	0.3121349 ppb		98
62)	BROMOFORM	8.965	173	626	N.D.		
63)	ISOPROPYLBENZENE	9.177	105	10775	0.3314584 ppb		94
65)	BROMOBENZENE	9.550	77	7066	0.4469501 ppb		93
66)	1,1,2,2-TETRACHLOROETHANE	9.617	83	2951	0.3965136 ppb	#	78
67)	1,2,3-TRICHLOROPROPANE	9.752	110	870	0.3960163 ppb	#	69
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	763	0.3928710 ppb	#	39
69)	N-PROPYLBENZENE	9.563	91	16785	0.3752200 ppb		99
70)	2-CHLOROTOLUENE	9.720	91	11093	0.3925467 ppb		99
71)	4-CHLOROTOLUENE	9.875	91	10212	0.3998129 ppb		98
72)	1,3,5-TRIMETHYLBENZENE	9.746	105	10236	0.3500769 ppb		96
73)	TERT-BUTYLBENZENE	10.055	119	8858	0.3591280 ppb		99
74)	1,2,4-TRIMETHYLBENZENE	10.122	105	10290	0.3473001 ppb		99
75)	SEC-BUTYLBENZENE	10.228	105	14235	0.3567864 ppb		99
76)	1,3-DICHLOROBENZENE	10.447	146	6404	0.4494271 ppb		97
77)	P-ISOPROPYLTOLUENE	10.363	119	9661	0.3040118 ppb		96
79)	1,4-DICHLOROBENZENE	10.530	146	6679	0.4633940 ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.550	105	12453	0.3926400 ppb		99
81)	1,2-DICHLOROBENZENE	10.948	146	5298	0.4071421 ppb		98
82)	N-BUTYLBENZENE	10.781	91	10647	0.3317348 ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.756	157	203	N.D.		
84)	1,2,4-TRICHLOROBENZENE	12.453	180	3481	0.4328508 ppb		94
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	2050	0.4067121 ppb		96
86)	NAPHTHALENE	12.791	128	7215	0.3634076 ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	3141	0.4206431 ppb		94
88)	1-METHYLNAPHTHALENE	13.907	142	3223	0.3421501 ppb	#	93
91)	ETHANOL	0.000		0	N.D.		
92)	BROMOETHANE	0.000		0	N.D.		
93)	METHYL ACETATE	0.000		0	N.D. d		
94)	ACETONITRILE	0.000		0	N.D. d		
95)	ALLYL CHLORIDE	0.000		0	N.D.		
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_04.D
Acq On : 2 Nov 2011 6:21 am
Operator : 209
Sample : STD VMS .5 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 4 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:18:04 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:16:48 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d	
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	0.000		0	N.D.	d	
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.	d	
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
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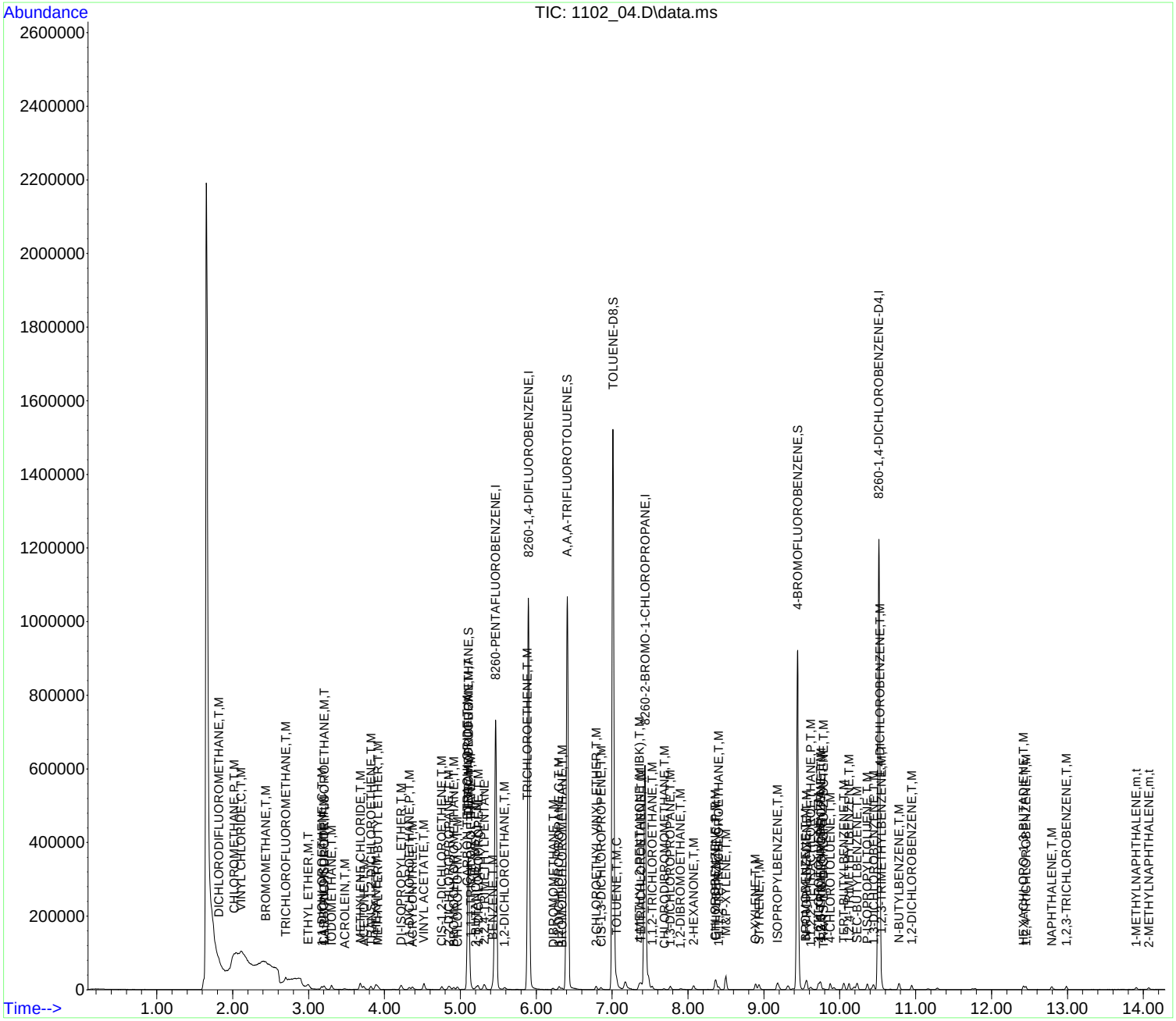
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:16:48 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:19:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:18:24 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 8260-PENTAFLUOROBENZENE	5.463	168	403566	40.0000000	ppb		0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	734060	40.0000000	ppb		0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	116244	40.0000000	ppb		0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	304163	40.0000000	ppb		0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	403566	40.0000000	ppb		0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	734060	40.0000000	ppb		0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	116244	40.0000000	ppb		0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	304163	40.0000000	ppb		0.00
System Monitoring Compounds							
30) DIBROMOFLUOROMETHANE	5.103	111	203092	41.0066001	ppb		0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 102.52%				
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	389663	40.7028345	ppb		0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 101.76%				
46) TOLUENE-D8	7.010	98	940785	41.3136333	ppb		0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 103.28%				
Spiked Amount 40.000	Range 59 - 140		Recovery = 105.47%				
Target Compounds							Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3712787m	0.8258003	ppm		
3) DICHLORODIFLUOROMETHANE	1.814	85	8512	1.2541821	ppb		96
4) CHLOROMETHANE	2.020	50	12361	1.0966590	ppb		92
5) VINYL CHLORIDE	2.100	62	12319	1.2500021	ppb	#	51
6) BROMOMETHANE	2.431	94	6832	1.2099326	ppb	#	84
7) CHLOROETHANE	2.560	64	8231	1.9344997	ppb	#	86
8) TRICHLOROFLUOROMETHANE	2.695	101	14182	1.2556463	ppb		99
9) ETHYL ETHER	2.987	59	7751	1.2847565	ppb		91
10) ACROLEIN	3.473	56	3684	5.2022184	ppb		95
11) 1,1-DICHLOROETHENE	3.171	96	5376	1.1018242	ppb		93
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	5861	1.1440510	ppb		96
13) ACETONE	3.724	43	15767	5.0229561	ppb		98
14) IODOMETHANE	3.303	142	28657	4.9955319	ppb		99
15) CARBON DISULFIDE	3.200	76	13850	1.0496037	ppb	#	93
16) METHYLENE CHLORIDE	3.679	84	12069	1.1640937	ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:19:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:18:24 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
17)	ACRYLONITRILE	4.367	53	11763	5.4760534 ppb		98
18)	n-HEXANE	3.885	56	7547	1.1298703 ppb		95
19)	TRANS-1,2-DICHLOROETHENE	3.817	96	6525	1.1287632 ppb		96
20)	METHYL TERT-BUTYL ETHER	3.913	73	16409	1.1534422 ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	12683	1.1132449 ppb		99
22)	VINYL ACETATE	4.518	43	59906	5.2189081 ppb		99
23)	DI-ISOPROPYL ETHER	4.219	45	22904	1.1155362 ppb		94
24)	2,2-DICHLOROPROPANE	4.846	77	8602	1.0774909 ppb		97
25)	CIS-1,2-DICHLOROETHENE	4.756	96	7290	1.1351525 ppb		94
26)	2-BUTANONE (MEK)	5.206	72	4132	5.3669098 ppb		86
27)	BROMOCHLOROMETHANE	4.910	130	3582	1.1124146 ppb		85
28)	TETRAHYDROFURAN	5.100	42	2102	1.0852288 ppb	#	88
29)	CHLOROFORM	4.958	83	11582	1.1310586 ppb		99
31)	1,1,1-TRICHLOROETHANE	5.135	97	9301	1.1198182 ppb		97
32)	CARBON TETRACHLORIDE	5.087	117	8561	1.0498799 ppb		81
33)	1,1-DICHLOROPROPENE	5.232	75	10141	1.1046536 ppb		98
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	30548	1.0862420 ppb		94
35)	BENZENE	5.428	78	31463	1.1354411 ppb		95
36)	1,2-DICHLOROETHANE	5.585	62	9445	1.1710484 ppb		97
38)	TRICHLOROETHENE	5.884	130	6749	1.1246618 ppb	#	98
39)	1,2-DICHLOROPROPANE	6.302	62	4973	1.0394978 ppb		91
40)	DIBROMOMETHANE	6.219	93	3443	1.1565723 ppb		95
41)	BROMODICHLOROMETHANE	6.338	83	7141	1.0936745 ppb	#	99
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	10024	4.7313393 ppb	#	98
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	7597	0.9661986 ppb	#	93
45)	4-METHYL-2-PENTANONE (...	7.357	58	11658	5.4006514 ppb		96
47)	TOLUENE	7.055	91	34073	1.1409381 ppb		98
48)	TRANS-1,3-DICHLOROPROPENE	7.386	110	1677	1.1122868 ppb	#	79
50)	1,1,2-TRICHLOROETHANE	7.524	97	5570	1.1503960 ppb		98
51)	TETRACHLOROETHENE	7.383	164	5556	1.2131914 ppb		95
52)	1,3-DICHLOROPROPANE	7.765	76	11282	1.1474866 ppb		98
53)	2-HEXANONE	8.071	58	9857	5.1508727 ppb		87
54)	CHLORODIBROMOMETHANE	7.682	129	3719	1.0448303 ppb	#	95
55)	1,2-DIBROMOETHANE	7.904	107	4490	1.0708974 ppb		97
57)	1,1,1,2-TETRACHLOROETHANE	8.408	133	4672	1.1004744 ppb	#	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:19:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:18:24 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	9553	1.0890099	ppb		96
59)	M&P-XYLENE	8.498	106	24633	2.2500163	ppb		97
60)	O-XYLENE	8.888	106	11460	1.1181349	ppb		99
61)	STYRENE	8.936	104	16452	1.0204218	ppb		95
62)	BROMOFORM	8.968	173	1563	0.9579639	ppb		92
63)	ISOPROPYLBENZENE	9.174	105	27649	1.1228823	ppb		100
65)	BROMOBENZENE	9.547	77	16139	1.1833644	ppb		98
66)	1,1,2,2-TETRACHLOROETHANE	9.617	83	7407	1.2185907	ppb		95
67)	1,2,3-TRICHLOROPROPANE	9.756	110	1980	1.1041463	ppb		98
68)	TRANS-1,4-DICHLORO-2-B...	9.791	53	1607	1.0172698	ppb	#	76
69)	N-PROPYLBENZENE	9.563	91	41247	1.1564405	ppb		99
70)	2-CHLOROTOLUENE	9.717	91	26890	1.1702690	ppb		99
71)	4-CHLOROTOLUENE	9.875	91	23750	1.1343339	ppb		99
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	24475	1.0808892	ppb		99
73)	TERT-BUTYLBENZENE	10.055	119	21319	1.1043483	ppb		99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	24963	1.0915223	ppb		100
75)	SEC-BUTYLBENZENE	10.225	105	34951	1.1223321	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	13700	1.1116048	ppb		99
77)	P-ISOPROPYLTOLUENE	10.363	119	26158	1.1238129	ppb		99
79)	1,4-DICHLOROBENZENE	10.531	146	15491	1.1992124	ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.550	105	29670	1.1265315	ppb		97
81)	1,2-DICHLOROBENZENE	10.949	146	13399	1.2201485	ppb		97
82)	N-BUTYLBENZENE	10.778	91	27130	1.0924720	ppb		99
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	602	0.9925523	ppb	#	82
84)	1,2,4-TRICHLOROBENZENE	12.450	180	7308	1.0471337	ppb		96
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	4964	1.1675546	ppb		98
86)	NAPHTHALENE	12.794	128	15769	0.9876487	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.987	180	7173	1.1215973	ppb		93
88)	1-METHYLNAPHTHALENE	13.907	142	5866	0.8251463	ppb		97
89)	2-METHYLNAPHTHALENE	14.071	142	5754	0.8948010	ppb	#	80
91)	ETHANOL	0.000		0	N.D.			
92)	BROMOETHANE	0.000		0	N.D.			
93)	METHYL ACETATE	3.830	43	1867	No Calib	#		
94)	ACETONITRILE	4.116	41	510	No Calib	#		
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	3.817	59	387	No Calib	#		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:19:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

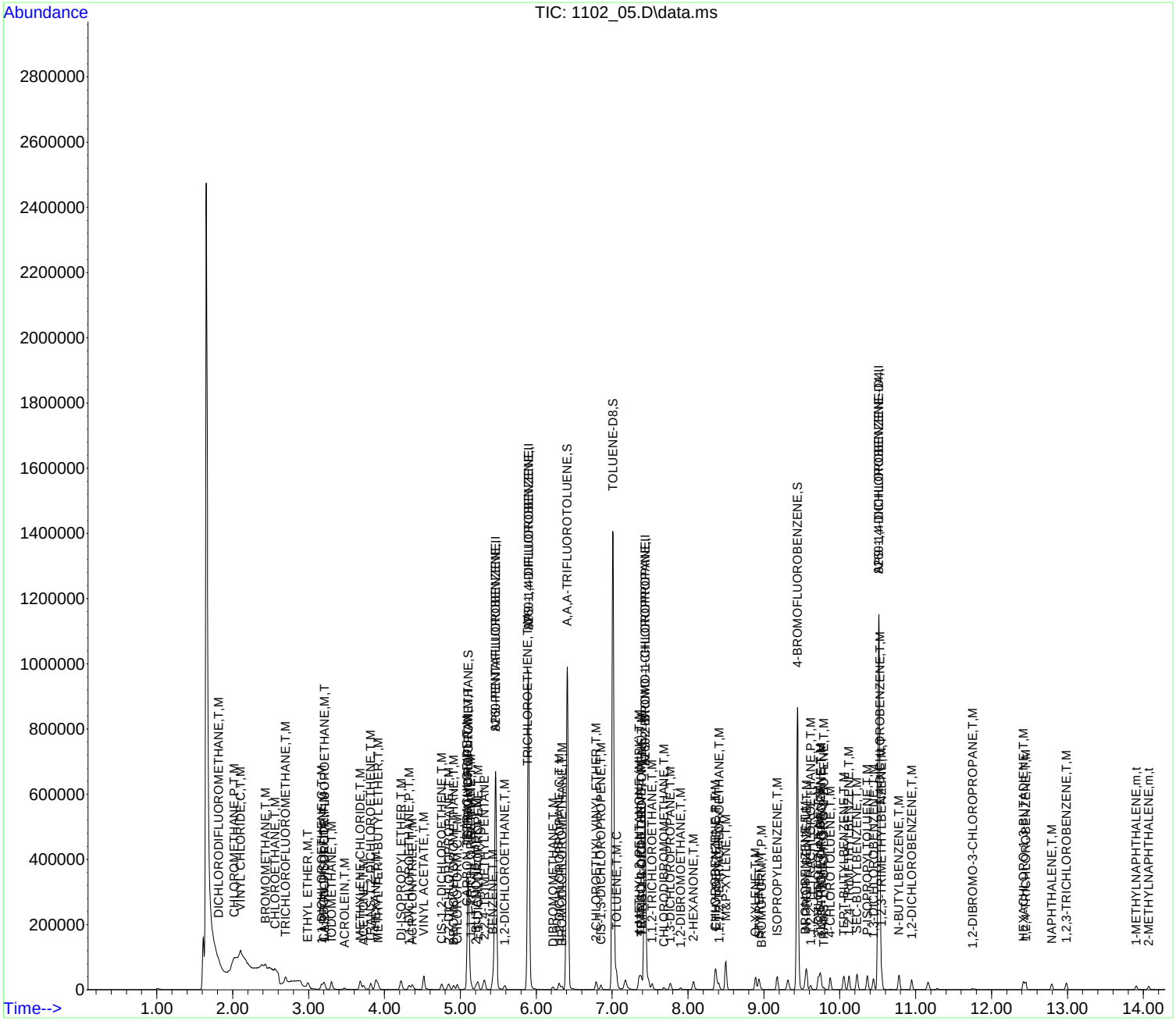
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.367	53	11763	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.052	43	2286	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1169	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.457	43	636	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	448	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	9904	No Calib	#
110)	2-NITROPROPANE	7.357	43	31187	No Calib	
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.405	88	5152	No Calib	#
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.003	59	278	No Calib	#
116)	ETHYL METHACRYLATE	7.351	69	203	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	0.000		0	N.D.	
119)	PENTACHLOROETHANE	10.052	117	1026	No Calib	#
120)	HEXACHLOROETHANE	10.772	117	430	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:19:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:18:24 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:20:47 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:18:24 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	403566	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	734060	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	116244	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	304163	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	203092	41.0066001	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 102.52%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	389663	40.7028345	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 101.76%			
46) TOLUENE-D8	7.010	98	940785	41.3136333	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 103.28%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 105.47%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-3712787m	0.8258003	ppm	
3) DICHLORODIFLUOROMETHANE	1.814	85	8512	1.2541821	ppb	96
4) CHLOROMETHANE	2.020	50	12361	1.0966590	ppb	92
5) VINYL CHLORIDE	2.100	62	12319	1.2500021	ppb #	51
6) BROMOMETHANE	2.431	94	6832	1.2099326	ppb #	84
7) CHLOROETHANE	2.560	64	8231	1.9344997	ppb #	86
8) TRICHLOROFLUOROMETHANE	2.695	101	14182	1.2556463	ppb	99
9) ETHYL ETHER	2.987	59	7751	1.2847565	ppb	91
10) ACROLEIN	3.473	56	3684	5.2022184	ppb	95
11) 1,1-DICHLOROETHENE	3.171	96	5376	1.1018242	ppb	93
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	5861	1.1440510	ppb	96
13) ACETONE	3.724	43	15767	5.0229561	ppb	98
14) IODOMETHANE	3.303	142	28657	4.9955319	ppb	99
15) CARBON DISULFIDE	3.200	76	13850	1.0496037	ppb #	93
16) METHYLENE CHLORIDE	3.679	84	12069	1.1640937	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:20:47 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:18:24 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
17) ACRYLONITRILE	4.367	53	11763	5.4760534 ppb		98
18) n-HEXANE	3.885	56	7547	1.1298703 ppb		95
19) TRANS-1,2-DICHLOROETHENE	3.817	96	6525	1.1287632 ppb		96
20) METHYL TERT-BUTYL ETHER	3.913	73	16409	1.1534422 ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	12683	1.1132449 ppb		99
22) VINYL ACETATE	4.518	43	59906	5.2189081 ppb		99
23) DI-ISOPROPYL ETHER	4.219	45	22904	1.1155362 ppb		94
24) 2,2-DICHLOROPROPANE	4.846	77	8602	1.0774909 ppb		97
25) CIS-1,2-DICHLOROETHENE	4.756	96	7290	1.1351525 ppb		94
26) 2-BUTANONE (MEK)	5.206	72	4132	5.3669098 ppb		86
27) BROMOCHLOROMETHANE	4.910	130	3582	1.1124146 ppb		85
28) TETRAHYDROFURAN	5.100	42	2102	1.0852288 ppb	#	88
29) CHLOROFORM	4.958	83	11582	1.1310586 ppb		99
31) 1,1,1-TRICHLOROETHANE	5.135	97	9301	1.1198182 ppb		97
32) CARBON TETRACHLORIDE	5.087	117	8561	1.0498799 ppb		81
33) 1,1-DICHLOROPROPENE	5.232	75	10141	1.1046536 ppb		98
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	30548	1.0862420 ppb		94
35) BENZENE	5.428	78	31463	1.1354411 ppb		95
36) 1,2-DICHLOROETHANE	5.585	62	9445	1.1710484 ppb		97
38) TRICHLOROETHENE	5.884	130	6749	1.1246618 ppb	#	98
39) 1,2-DICHLOROPROPANE	6.302	62	4973	1.0394978 ppb		91
40) DIBROMOMETHANE	6.219	93	3443	1.1565723 ppb		95
41) BROMODICHLOROMETHANE	6.338	83	7141	1.0936745 ppb	#	99
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	10024	4.7313393 ppb	#	98
44) CIS-1,3-DICHLOROPROPENE	6.852	75	7597	0.9661986 ppb	#	93
45) 4-METHYL-2-PENTANONE (...	7.357	58	11658	5.4006514 ppb		96
47) TOLUENE	7.055	91	34073	1.1409381 ppb		98
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	1677	1.1122868 ppb	#	79
50) 1,1,2-TRICHLOROETHANE	7.524	97	5570	1.1503960 ppb		98
51) TETRACHLOROETHENE	7.383	164	5556	1.2131914 ppb		95
52) 1,3-DICHLOROPROPANE	7.765	76	11282	1.1474866 ppb		98
53) 2-HEXANONE	8.071	58	9857	5.1508727 ppb		87
54) CHLORODIBROMOMETHANE	7.682	129	3719	1.0448303 ppb	#	95
55) 1,2-DIBROMOETHANE	7.904	107	4490	1.0708974 ppb		97
57) 1,1,1,2-TETRACHLOROETHANE	8.408	133	4672	1.1004744 ppb	#	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:20:47 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:18:24 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	9553	1.0890099	ppb		96
59)	M&P-XYLENE	8.498	106	24633	2.2500163	ppb		97
60)	O-XYLENE	8.888	106	11460	1.1181349	ppb		99
61)	STYRENE	8.936	104	16452	1.0204218	ppb		95
62)	BROMOFORM	8.968	173	1563	0.9579639	ppb		92
63)	ISOPROPYLBENZENE	9.174	105	27649	1.1228823	ppb		100
65)	BROMOBENZENE	9.547	77	16139	1.1833644	ppb		98
66)	1,1,2,2-TETRACHLOROETHANE	9.617	83	7407	1.2185907	ppb		95
67)	1,2,3-TRICHLOROPROPANE	9.756	110	1980	1.1041463	ppb		98
68)	TRANS-1,4-DICHLORO-2-B...	9.791	53	1607	1.0172698	ppb	#	76
69)	N-PROPYLBENZENE	9.563	91	41247	1.1564405	ppb		99
70)	2-CHLOROTOLUENE	9.717	91	26890	1.1702690	ppb		99
71)	4-CHLOROTOLUENE	9.875	91	23750	1.1343339	ppb		99
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	24475	1.0808892	ppb		99
73)	TERT-BUTYLBENZENE	10.055	119	21319	1.1043483	ppb		99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	24963	1.0915223	ppb		100
75)	SEC-BUTYLBENZENE	10.225	105	34951	1.1223321	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	13700	1.1116048	ppb		99
77)	P-ISOPROPYLTOLUENE	10.363	119	26158	1.1238129	ppb		99
79)	1,4-DICHLOROBENZENE	10.531	146	15491	1.1992124	ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.550	105	29670	1.1265315	ppb		97
81)	1,2-DICHLOROBENZENE	10.949	146	13399	1.2201485	ppb		97
82)	N-BUTYLBENZENE	10.778	91	27130	1.0924720	ppb		99
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	602	0.9925523	ppb	#	82
84)	1,2,4-TRICHLOROBENZENE	12.450	180	7308	1.0471337	ppb		96
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	4964	1.1675546	ppb		98
86)	NAPHTHALENE	12.794	128	15769	0.9876487	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.987	180	7173	1.1215973	ppb		93
88)	1-METHYLNAPHTHALENE	13.907	142	5866	0.8251463	ppb		97
89)	2-METHYLNAPHTHALENE	14.071	142	5754	0.8948010	ppb	#	80
91)	ETHANOL	0.000		0	N.D.			
92)	BROMOETHANE	0.000		0	N.D.			
93)	METHYL ACETATE	0.000		0	N.D. d			
94)	ACETONITRILE	0.000		0	N.D. d			
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D. d			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:20:47 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:18:24 2011
Response via : Initial Calibration

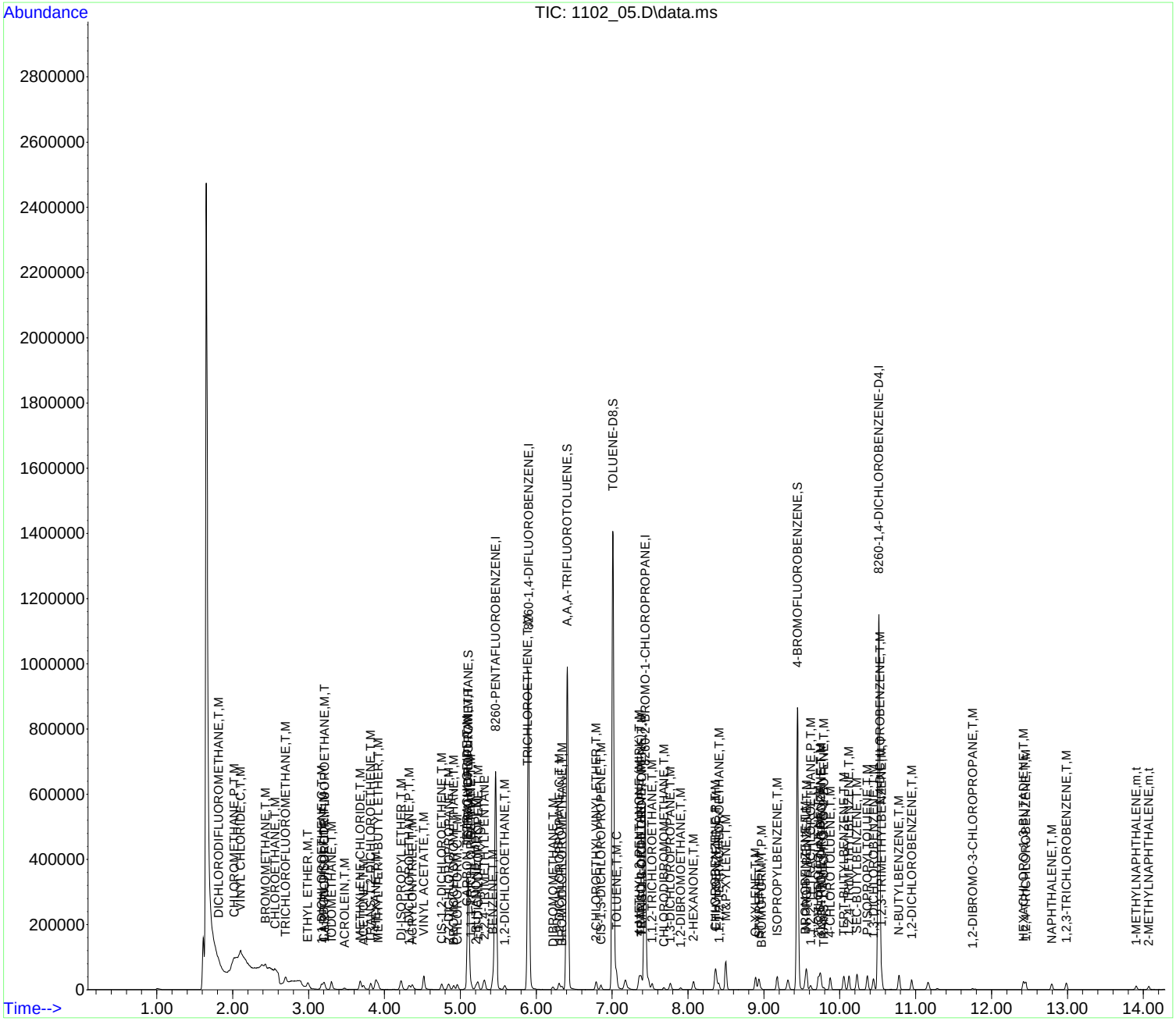
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	0.000		0	N.D.	d	
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_05.D
Acq On : 2 Nov 2011 7:33 am
Operator : 209
Sample : STD VMS 1 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 5 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:20:47 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:18:24 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
Sample : STD VMS 2 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:21:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:21:02 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	416502	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	747991	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.431	79	118401	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	303292	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	416502	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.897	114	747991	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.431	79	118401	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.515	152	303292	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.106	111	209880	41.0587929	ppb	0.00
	Spiked Amount 40.000	Range 63 - 139		Recovery = 102.65%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	406890	41.8117364	ppb	0.00
	Spiked Amount 40.000	Range 80 - 118		Recovery = 104.53%			
46)	TOLUENE-D8	7.010	98	973366	41.8416095	ppb	0.00
	Spiked Amount 40.000	Range 84 - 116		Recovery = 104.60%			
	Spiked Amount 40.000	Range 59 - 140		Recovery = 104.90%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	-3320629m	0.7597535	ppm	
3)	DICHLORODIFLUOROMETHANE	1.814	85	13497	1.7764096	ppb	98
4)	CHLOROMETHANE	2.023	50	21744	1.8108513	ppb	97
5)	VINYL CHLORIDE	2.107	62	21900	1.9875337	ppb	98
6)	BROMOMETHANE	2.431	94	12567	2.0154301	ppb	97
7)	CHLOROETHANE	2.563	64	14844	2.5774855	ppb	95
8)	TRICHLOROFLUOROMETHANE	2.695	101	26172	2.0689418	ppb	98
9)	ETHYL ETHER	2.991	59	13358	1.9593863	ppb	95
10)	ACROLEIN	3.473	56	6544	8.8347450	ppb	92
11)	1,1-DICHLOROETHENE	3.171	96	10717	2.0583907	ppb	99
12)	1,1,2-TRICHLOROTRIFLUO...	3.209	101	12204	2.2024447	ppb	99
13)	ACETONE	3.727	43	24504	7.5523244	ppb	100
14)	IODOMETHANE	3.303	142	59189	10.0004347	ppb	100
15)	CARBON DISULFIDE	3.200	76	25128	1.7655479	ppb	95
16)	METHYLENE CHLORIDE	3.682	84	18210	1.6136004	ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
Sample : STD VMS 2 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:21:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:21:02 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.367	53	22569	9.8671200	ppb		100
18) n-HEXANE	3.888	56	14089	1.9589655	ppb		98
19) TRANS-1,2-DICHLOROETHENE	3.817	96	12734	2.0466011	ppb		96
20) METHYL TERT-BUTYL ETHER	3.914	73	31575	2.0459308	ppb	#	100
21) 1,1-DICHLOROETHANE	4.328	63	24868	2.0380509	ppb		100
22) VINYL ACETATE	4.518	43	117965	9.8144902	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	43126	1.9597354	ppb		93
24) 2,2-DICHLOROPROPANE	4.846	77	16339	1.9331324	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.756	96	13919	2.0095313	ppb		99
26) 2-BUTANONE (MEK)	5.206	72	7700	9.4592543	ppb		100
27) BROMOCHLOROMETHANE	4.913	130	6948	2.0152188	ppb		92
28) TETRAHYDROFURAN	5.100	42	3512	1.7083406	ppb	#	83
29) CHLOROFORM	4.962	83	22549	2.0443553	ppb		100
31) 1,1,1-TRICHLOROETHANE	5.142	97	17859	2.0033852	ppb		98
32) CARBON TETRACHLORIDE	5.087	117	14464	1.6905948	ppb		90
33) 1,1-DICHLOROPROPENE	5.232	75	19801	2.0194730	ppb		98
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	60887	2.0391874	ppb		95
35) BENZENE	5.431	78	59749	1.9990111	ppb	#	86
36) 1,2-DICHLOROETHANE	5.582	62	17311	1.9674826	ppb		98
38) TRICHLOROETHENE	5.881	130	12789	2.0080408	ppb	#	52
39) 1,2-DICHLOROPROPANE	6.302	62	10346	2.0947500	ppb		99
40) DIBROMOMETHANE	6.219	93	6706	2.1010675	ppb		96
41) BROMODICHLOROMETHANE	6.338	83	12986	1.8927196	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	20423	9.6326723	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	15813	1.7830648	ppb	#	99
45) 4-METHYL-2-PENTANONE (...	7.357	58	21325	9.4427500	ppb		97
47) TOLUENE	7.055	91	64880	2.0363837	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	3066	1.7365903	ppb		91
50) 1,1,2-TRICHLOROETHANE	7.524	97	10408	2.0096977	ppb		98
51) TETRACHLOROETHENE	7.380	164	10195	2.0405824	ppb		97
52) 1,3-DICHLOROPROPANE	7.765	76	20394	1.9410490	ppb		99
53) 2-HEXANONE	8.071	58	18343	9.3169811	ppb		93
54) CHLORODIBROMOMETHANE	7.685	129	7072	1.7870255	ppb		98
55) 1,2-DIBROMOETHANE	7.901	107	8832	2.0203738	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.402	133	8881	1.9872260	ppb	#	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
Sample : STD VMS 2 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:21:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:21:02 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	19766	2.1484635 ppb		99
59)	M&P-XYLENE	8.499	106	48430	4.1693476 ppb		99
60)	O-XYLENE	8.891	106	21538	1.9849816 ppb		99
61)	STYRENE	8.936	104	34365	2.0784817 ppb		98
62)	BROMOFORM	8.965	173	2940	1.5823400 ppb		99
63)	ISOPROPYLBENZENE	9.174	105	54091	2.0718610 ppb		99
65)	BROMOBENZENE	9.547	77	29412	1.9953381 ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	13336	2.0077599 ppb		98
67)	1,2,3-TRICHLOROPROPANE	9.753	110	3829	2.0260074 ppb		97
68)	TRANS-1,4-DICHLORO-2-B...	9.791	53	3105	1.9186871 ppb	#	84
69)	N-PROPYLBENZENE	9.563	91	77566	2.0292761 ppb		99
70)	2-CHLOROTOLUENE	9.717	91	50665	2.0485344 ppb	#	94
71)	4-CHLOROTOLUENE	9.875	91	44867	2.0137034 ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	48879	2.0636742 ppb		99
73)	TERT-BUTYLBENZENE	10.052	119	41043	2.0171785 ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	49261	2.0521217 ppb		98
75)	SEC-BUTYLBENZENE	10.225	105	66516	2.0148616 ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	26184	2.0110267 ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	50001	2.0254410 ppb		99
79)	1,4-DICHLOROBENZENE	10.527	146	27650	2.0129612 ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	55428	2.0251578 ppb		99
81)	1,2-DICHLOROBENZENE	10.949	146	23345	1.9862091 ppb		98
82)	N-BUTYLBENZENE	10.778	91	52347	2.0507523 ppb		98
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	1375	1.9212724 ppb		86
84)	1,2,4-TRICHLOROBENZENE	12.450	180	13675	1.9346665 ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	8855	1.9782290 ppb		98
86)	NAPHTHALENE	12.791	128	28312	1.6714399 ppb		99
87)	1,2,3-TRICHLOROBENZENE	12.984	180	12603	1.8993275 ppb		97
88)	1-METHYLNAPHTHALENE	13.907	142	10918	1.4590774 ppb		97
91)	ETHANOL	0.000		0	N.D.		
92)	BROMOETHANE	0.000		0	N.D.		
93)	METHYL ACETATE	3.827	43	2388	No Calib	#	
94)	ACETONITRILE	4.106	41	398	No Calib	#	
95)	ALLYL CHLORIDE	0.000		0	N.D.		
96)	TERT-BUTYL ALCOHOL	3.820	59	603	No Calib	#	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
Sample : STD VMS 2 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:21:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.367	53	22569	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.052	43	3406	No Calib	#
101)	METHACRYLONITRILE	5.466	67	1374	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.457	43	506	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	1002	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	10040	No Calib	#
110)	2-NITROPROPANE	7.357	43	56493	No Calib	
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.405	88	5335	No Calib	#
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	194	No Calib	#
116)	ETHYL METHACRYLATE	7.360	69	397	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.566	53	415	No Calib	#
118)	CYCLOHEXANONE	0.000		0	N.D.	
119)	PENTACHLOROETHANE	10.061	117	2100	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	1468	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
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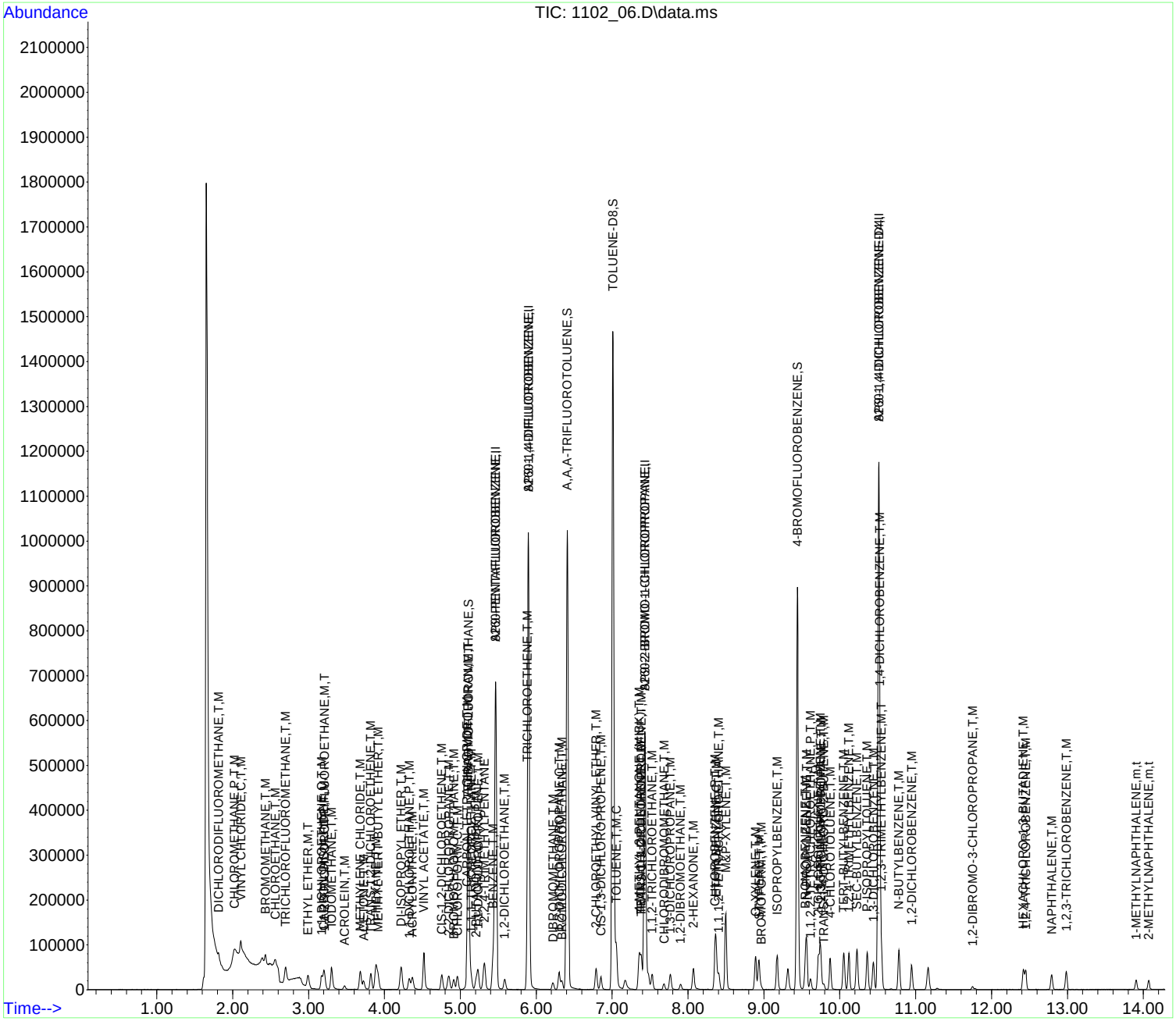
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:21:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:21:02 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
Sample : STD VMS 2 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:22:17 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:21:02 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	416502	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	747991	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.431	79	118401	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	303292	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.106	111	209880	41.0587929	ppb	0.00
	Spiked Amount 40.000	Range 63 - 139		Recovery = 102.65%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	406890	41.8117364	ppb	0.00
	Spiked Amount 40.000	Range 80 - 118		Recovery = 104.53%			
46)	TOLUENE-D8	7.010	98	973366	41.8416095	ppb	0.00
	Spiked Amount 40.000	Range 84 - 116		Recovery = 104.60%			
	Spiked Amount 40.000	Range 59 - 140		Recovery = 104.90%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	-3320629m	0.7597535	ppm	
3)	DICHLORODIFLUOROMETHANE	1.814	85	13497	1.7764096	ppb	98
4)	CHLOROMETHANE	2.023	50	21744	1.8108513	ppb	97
5)	VINYL CHLORIDE	2.107	62	21900	1.9875337	ppb	98
6)	BROMOMETHANE	2.431	94	12567	2.0154301	ppb	97
7)	CHLOROETHANE	2.563	64	14844	2.5774855	ppb	95
8)	TRICHLOROFLUOROMETHANE	2.695	101	26172	2.0689418	ppb	98
9)	ETHYL ETHER	2.991	59	13358	1.9593863	ppb	95
10)	ACROLEIN	3.473	56	6544	8.8347450	ppb	92
11)	1,1-DICHLOROETHENE	3.171	96	10717	2.0583907	ppb	99
12)	1,1,2-TRICHLOROTRIFLUO...	3.209	101	12204	2.2024447	ppb	99
13)	ACETONE	3.727	43	24504	7.5523244	ppb	100
14)	IODOMETHANE	3.303	142	59189	10.0004347	ppb	100
15)	CARBON DISULFIDE	3.200	76	25128	1.7655479	ppb	95
16)	METHYLENE CHLORIDE	3.682	84	18210	1.6136004	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
Sample : STD VMS 2 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:22:17 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:21:02 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.367	53	22569	9.8671200	ppb		100
18)	n-HEXANE	3.888	56	14089	1.9589655	ppb		98
19)	TRANS-1,2-DICHLOROETHENE	3.817	96	12734	2.0466011	ppb		96
20)	METHYL TERT-BUTYL ETHER	3.914	73	31575	2.0459308	ppb	#	100
21)	1,1-DICHLOROETHANE	4.328	63	24868	2.0380509	ppb		100
22)	VINYL ACETATE	4.518	43	117965	9.8144902	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	43126	1.9597354	ppb		93
24)	2,2-DICHLOROPROPANE	4.846	77	16339	1.9331324	ppb		99
25)	CIS-1,2-DICHLOROETHENE	4.756	96	13919	2.0095313	ppb		99
26)	2-BUTANONE (MEK)	5.206	72	7700	9.4592543	ppb		100
27)	BROMOCHLOROMETHANE	4.913	130	6948	2.0152188	ppb		92
28)	TETRAHYDROFURAN	5.100	42	3512	1.7083406	ppb	#	83
29)	CHLOROFORM	4.962	83	22549	2.0443553	ppb		100
31)	1,1,1-TRICHLOROETHANE	5.142	97	17859	2.0033852	ppb		98
32)	CARBON TETRACHLORIDE	5.087	117	14464	1.6905948	ppb		90
33)	1,1-DICHLOROPROPENE	5.232	75	19801	2.0194730	ppb		98
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	60887	2.0391874	ppb		95
35)	BENZENE	5.431	78	59749	1.9990111	ppb	#	86
36)	1,2-DICHLOROETHANE	5.582	62	17311	1.9674826	ppb		98
38)	TRICHLOROETHENE	5.881	130	12789	2.0080408	ppb	#	52
39)	1,2-DICHLOROPROPANE	6.302	62	10346	2.0947500	ppb		99
40)	DIBROMOMETHANE	6.219	93	6706	2.1010675	ppb		96
41)	BROMODICHLOROMETHANE	6.338	83	12986	1.8927196	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	20423	9.6326723	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	15813	1.7830648	ppb	#	99
45)	4-METHYL-2-PENTANONE (...	7.357	58	21325	9.4427500	ppb		97
47)	TOLUENE	7.055	91	64880	2.0363837	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.386	110	3066	1.7365903	ppb		91
50)	1,1,2-TRICHLOROETHANE	7.524	97	10408	2.0096977	ppb		98
51)	TETRACHLOROETHENE	7.380	164	10195	2.0405824	ppb		97
52)	1,3-DICHLOROPROPANE	7.765	76	20394	1.9410490	ppb		99
53)	2-HEXANONE	8.071	58	18343	9.3169811	ppb		93
54)	CHLORODIBROMOMETHANE	7.685	129	7072	1.7870255	ppb		98
55)	1,2-DIBROMOETHANE	7.901	107	8832	2.0203738	ppb		99
57)	1,1,1,2-TETRACHLOROETHANE	8.402	133	8881	1.9872260	ppb	#	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
Sample : STD VMS 2 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:22:17 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:21:02 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	19766	2.1484635 ppb		99
59)	M&P-XYLENE	8.499	106	48430	4.1693476 ppb		99
60)	O-XYLENE	8.891	106	21538	1.9849816 ppb		99
61)	STYRENE	8.936	104	34365	2.0784817 ppb		98
62)	BROMOFORM	8.965	173	2940	1.5823400 ppb		99
63)	ISOPROPYLBENZENE	9.174	105	54091	2.0718610 ppb		99
65)	BROMOBENZENE	9.547	77	29412	1.9953381 ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	13336	2.0077599 ppb		98
67)	1,2,3-TRICHLOROPROPANE	9.753	110	3829	2.0260074 ppb		97
68)	TRANS-1,4-DICHLORO-2-B...	9.791	53	3105	1.9186871 ppb	#	84
69)	N-PROPYLBENZENE	9.563	91	77566	2.0292761 ppb		99
70)	2-CHLOROTOLUENE	9.717	91	50665	2.0485344 ppb	#	94
71)	4-CHLOROTOLUENE	9.875	91	44867	2.0137034 ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	48879	2.0636742 ppb		99
73)	TERT-BUTYLBENZENE	10.052	119	41043	2.0171785 ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	49261	2.0521217 ppb		98
75)	SEC-BUTYLBENZENE	10.225	105	66516	2.0148616 ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	26184	2.0110267 ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	50001	2.0254410 ppb		99
79)	1,4-DICHLOROBENZENE	10.527	146	27650	2.0129612 ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	55428	2.0251578 ppb		99
81)	1,2-DICHLOROBENZENE	10.949	146	23345	1.9862091 ppb		98
82)	N-BUTYLBENZENE	10.778	91	52347	2.0507523 ppb		98
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	1375	1.9212724 ppb		86
84)	1,2,4-TRICHLOROBENZENE	12.450	180	13675	1.9346665 ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	8855	1.9782290 ppb		98
86)	NAPHTHALENE	12.791	128	28312	1.6714399 ppb		99
87)	1,2,3-TRICHLOROBENZENE	12.984	180	12603	1.8993275 ppb		97
88)	1-METHYLNAPHTHALENE	13.907	142	10918	1.4590774 ppb		97
91)	ETHANOL	0.000		0	N.D.		
92)	BROMOETHANE	0.000		0	N.D.		
93)	METHYL ACETATE	0.000		0	N.D. d		
94)	ACETONITRILE	0.000		0	N.D. d		
95)	ALLYL CHLORIDE	0.000		0	N.D.		
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
Sample : STD VMS 2 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:22:17 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:21:02 2011
Response via : Initial Calibration

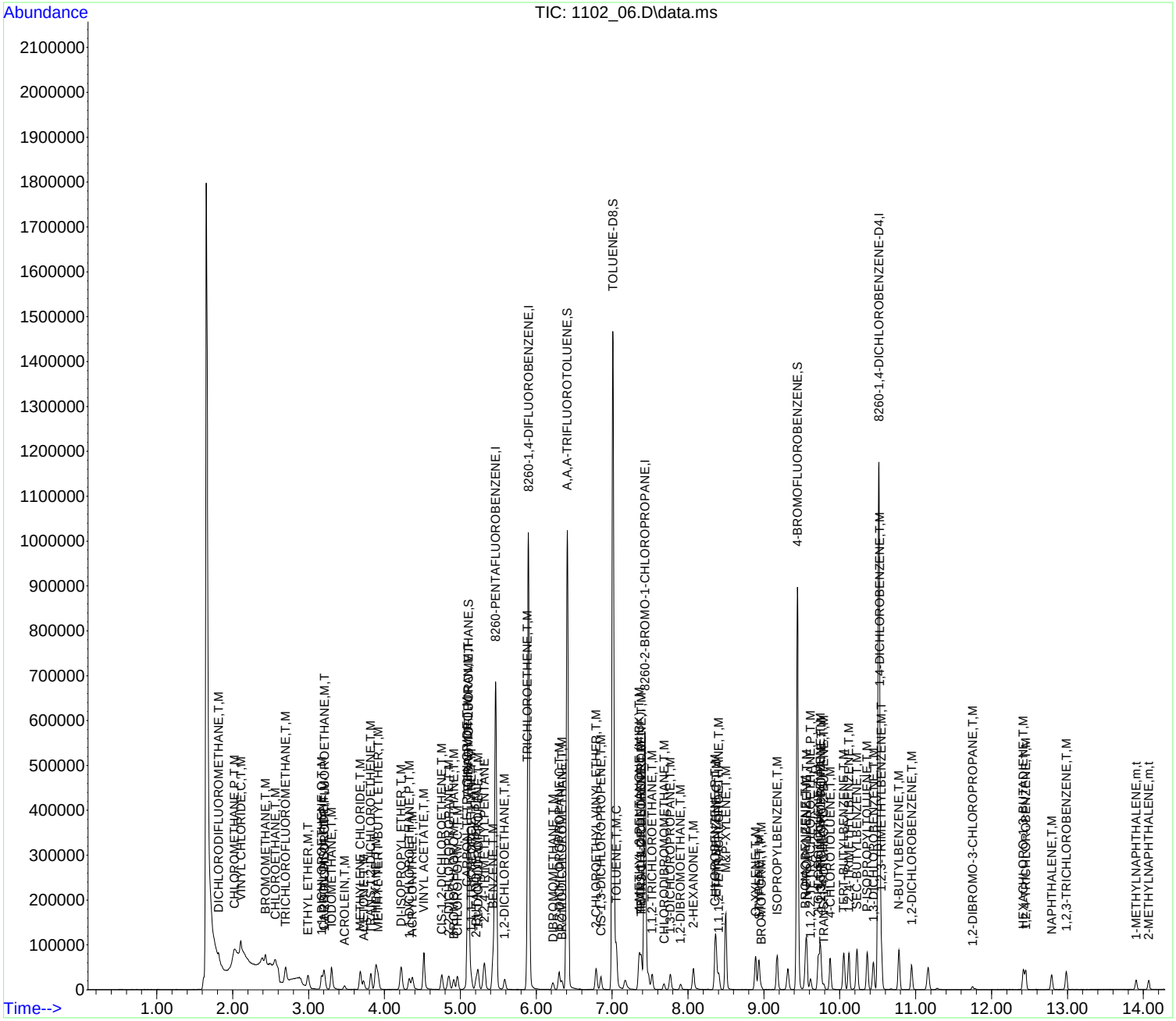
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	0.000		0	N.D.	d	
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
118)	CYCLOHEXANONE	0.000		0	N.D.		
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_06.D
Acq On : 2 Nov 2011 7:54 am
Operator : 209
Sample : STD VMS 2 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 6 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:22:17 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:21:02 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_07.D
Acq On : 2 Nov 2011 8:16 am
Operator : 209
Sample : STD VMS 5 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:22:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:22:32 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	407402	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	740443	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	119090	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	307162	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	407402	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	740443	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	119090	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	307162	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	213218	42.8837608	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 107.21%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	403788	41.9629766	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 104.91%			
46) TOLUENE-D8	7.010	98	989106	42.9921766	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 107.48%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 106.10%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-2145199m	0.5938449	ppm	
3) DICHLORODIFLUOROMETHANE	1.817	85	38092	5.2728380	ppb	99
4) CHLOROMETHANE	2.023	50	50029	4.3626536	ppb	99
5) VINYL CHLORIDE	2.107	62	53077	4.9322828	ppb	96
6) BROMOMETHANE	2.431	94	29853	4.8851871	ppb	98
7) CHLOROETHANE	2.557	64	34975	5.7906450	ppb	98
8) TRICHLOROFLUOROMETHANE	2.695	101	61806	4.9523273	ppb	100
9) ETHYL ETHER	2.991	59	32846	4.9506869	ppb	97
10) ACROLEIN	3.473	56	18046	25.6545943	ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	26095	5.0868331	ppb	100
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	27499	4.9483491	ppb	97
13) ACETONE	3.724	43	56320	18.9026808	ppb	100
14) IODOMETHANE	3.303	142	156358	27.0076748	ppb	99
15) CARBON DISULFIDE	3.200	76	64141	4.5468797	ppb	99
16) METHYLENE CHLORIDE	3.682	84	36899	3.5123234	ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_07.D
Acq On : 2 Nov 2011 8:16 am
Operator : 209
Sample : STD VMS 5 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:22:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:22:32 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.367	53	58294	26.1421326	ppb		97
18) n-HEXANE	3.885	56	34458	4.9233872	ppb		100
19) TRANS-1,2-DICHLOROETHENE	3.820	96	31046	5.0716055	ppb		99
20) METHYL TERT-BUTYL ETHER	3.910	73	78885	5.1957667	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	61842	5.1569255	ppb		99
22) VINYL ACETATE	4.518	43	317582	27.1383362	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	111817	5.2209723	ppb		97
24) 2,2-DICHLOROPROPANE	4.846	77	41975	5.1199540	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.756	96	34215	5.0440584	ppb		100
26) 2-BUTANONE (MEK)	5.206	72	20421	25.9984966	ppb		97
27) BROMOCHLOROMETHANE	4.913	130	17265	5.1097249	ppb		99
28) TETRAHYDROFURAN	5.100	42	10450	5.3933584	ppb		93
29) CHLOROFORM	4.962	83	57330	5.2844976	ppb		98
31) 1,1,1-TRICHLOROETHANE	5.139	97	44333	5.0821168	ppb		98
32) CARBON TETRACHLORIDE	5.087	117	34399	4.2758348	ppb		98
33) 1,1-DICHLOROPROPENE	5.232	75	49614	5.1605175	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	153338	5.2246130	ppb		96
35) BENZENE	5.431	78	147464	5.0445009	ppb		96
36) 1,2-DICHLOROETHANE	5.582	62	42901	5.0051715	ppb		98
38) TRICHLOROETHENE	5.881	130	32396	5.1332898	ppb	#	52
39) 1,2-DICHLOROPROPANE	6.302	62	25748	5.2046857	ppb		99
40) DIBROMOMETHANE	6.219	93	16886	5.2778339	ppb		100
41) BROMODICHLOROMETHANE	6.341	83	34803	5.1939242	ppb		99
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	60217	28.9572782	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	41863	4.4698175	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	59385	26.9391418	ppb		98
47) TOLUENE	7.055	91	157658	4.9762117	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	8622	4.5399201	ppb		92
50) 1,1,2-TRICHLOROETHANE	7.527	97	26546	5.0899847	ppb		99
51) TETRACHLOROETHENE	7.380	164	25029	4.9555626	ppb		99
52) 1,3-DICHLOROPROPANE	7.765	76	51118	4.8730416	ppb		98
53) 2-HEXANONE	8.068	58	54070	27.7792886	ppb		94
54) CHLORODIBROMOMETHANE	7.685	129	19314	4.6265784	ppb		97
55) 1,2-DIBROMOETHANE	7.900	107	23514	5.3342655	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.402	133	22672	5.0518367	ppb	#	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_07.D
Acq On : 2 Nov 2011 8:16 am
Operator : 209
Sample : STD VMS 5 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:22:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:22:32 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	51333	5.4462825	ppb		98
59)	M&P-XYLENE	8.499	106	128169	10.8553590	ppb		98
60)	O-XYLENE	8.888	106	57643	5.2916832	ppb		99
61)	STYRENE	8.936	104	94132	5.6054111	ppb		99
62)	BROMOFORM	8.965	173	9149	4.4547930	ppb		96
63)	ISOPROPYLBENZENE	9.174	105	145105	5.4766423	ppb		99
65)	BROMOBENZENE	9.547	77	72921	4.9212767	ppb		100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	34245	5.1208539	ppb		98
67)	1,2,3-TRICHLOROPROPANE	9.752	110	10007	5.2472297	ppb		97
68)	TRANS-1,4-DICHLORO-2-B...	9.785	53	8430	5.2322321	ppb	#	88
69)	N-PROPYLBENZENE	9.560	91	202453	5.2467169	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	127174	5.0814401	ppb		99
71)	4-CHLOROTOLUENE	9.875	91	116476	5.1884988	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	131372	5.4708993	ppb		98
73)	TERT-BUTYLBENZENE	10.052	119	108763	5.3031623	ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	133670	5.5003910	ppb		99
75)	SEC-BUTYLBENZENE	10.225	105	177524	5.3364226	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	66265	5.0529841	ppb		99
77)	P-ISOPROPYLTOLUENE	10.360	119	138866	5.5749116	ppb		100
79)	1,4-DICHLOROBENZENE	10.527	146	67558	4.8485007	ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	144192	5.1856201	ppb		100
81)	1,2-DICHLOROBENZENE	10.945	146	61356	5.1633422	ppb		99
82)	N-BUTYLBENZENE	10.778	91	140394	5.3965593	ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	3271	4.1543205	ppb		94
84)	1,2,4-TRICHLOROBENZENE	12.450	180	35504	5.0004701	ppb		100
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	23231	5.1384587	ppb		98
86)	NAPHTHALENE	12.791	128	80997	4.5278507	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	32781	4.9401651	ppb		98
88)	1-METHYLNAPHTHALENE	13.903	142	33032	4.0314270	ppb		100
91)	ETHANOL	0.000		0	N.D.			
92)	BROMOETHANE	0.000		0	N.D.			
93)	METHYL ACETATE	3.827	43	3805	No Calib		#	
94)	ACETONITRILE	4.071	41	173	No Calib		#	
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	3.984	59	188	No Calib		#	

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Misc : soil ISSURR10G08815
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:22:39 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.367	53	58294	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	318	No Calib	#
99)	PROPIONITRILE	5.309	54	378	No Calib	#
100)	ETHYL ACETATE	5.052	43	5222	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1241	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.463	43	1146	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	2683	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	10418	No Calib	#
110)	2-NITROPROPANE	7.354	43	158907	No Calib	
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.409	88	5163	No Calib	#
113)	N-OCTANE	6.846	85	280	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.003	59	318	No Calib	#
116)	ETHYL METHACRYLATE	7.364	69	1309	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	1015	No Calib	
118)	CYCLOHEXANONE	9.736	55	331	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	4767	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	2747	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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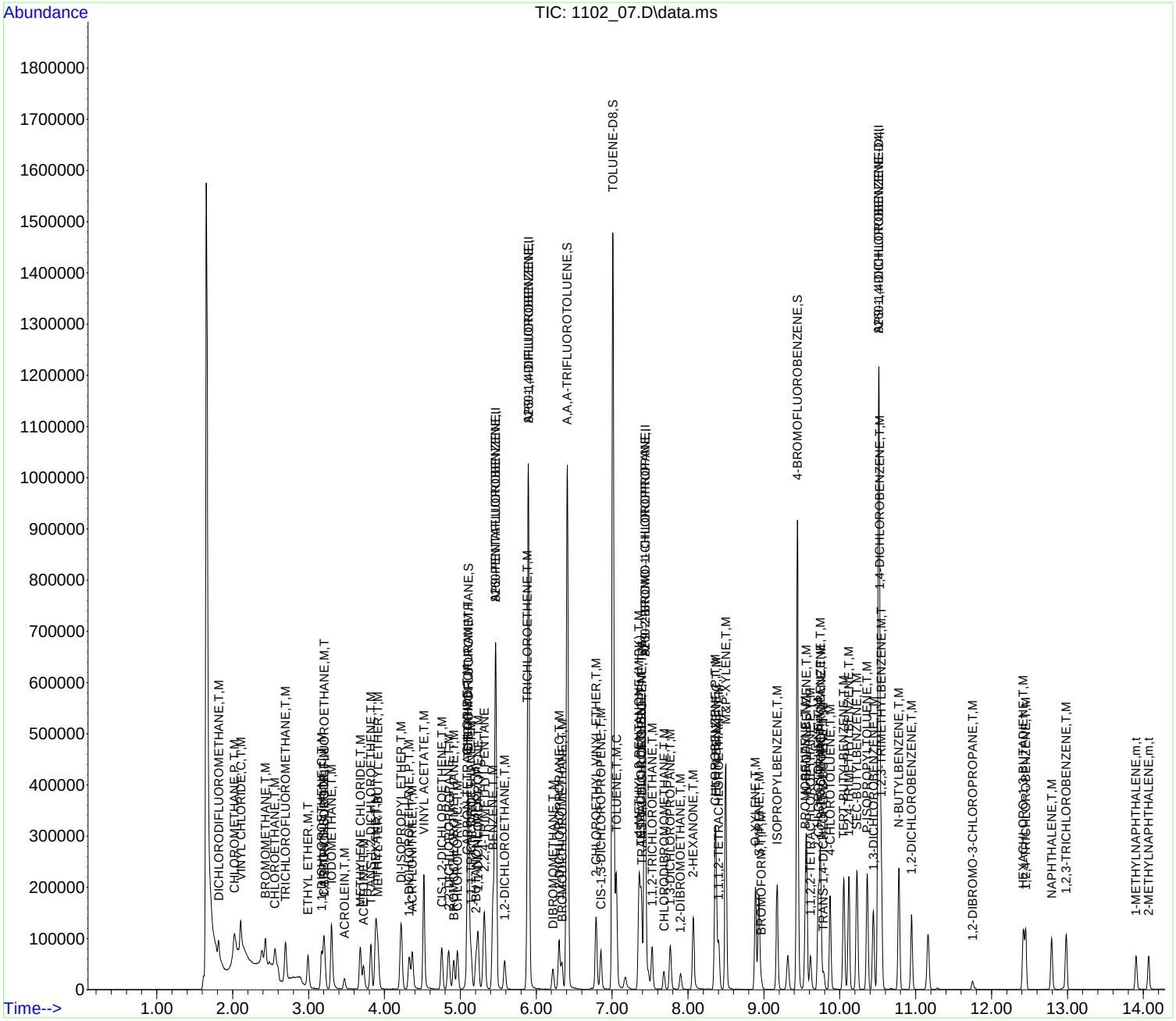
QLast Update : Wed Nov 02 13:22:32 2011



Quantitation Report (QT Reviewed)

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:22:32 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	407402	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	740443	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	119090	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.511	152	307162	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.106	111	213218	42.8837608	ppb	0.00
	Spiked Amount 40.000	Range 63 - 139		Recovery = 107.21%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	403788	41.9629766	ppb	0.00
	Spiked Amount 40.000	Range 80 - 118		Recovery = 104.91%			
46)	TOLUENE-D8	7.010	98	989106	42.9921766	ppb	0.00
	Spiked Amount 40.000	Range 84 - 116		Recovery = 107.48%			
	Spiked Amount 40.000	Range 59 - 140		Recovery = 106.10%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	-2145199m	0.5938449	ppm	
3)	DICHLORODIFLUOROMETHANE	1.817	85	38092	5.2728380	ppb	99
4)	CHLOROMETHANE	2.023	50	50029	4.3626536	ppb	99
5)	VINYL CHLORIDE	2.107	62	53077	4.9322828	ppb	96
6)	BROMOMETHANE	2.431	94	29853	4.8851871	ppb	98
7)	CHLOROETHANE	2.557	64	34975	5.7906450	ppb	98
8)	TRICHLOROFLUOROMETHANE	2.695	101	61806	4.9523273	ppb	100
9)	ETHYL ETHER	2.991	59	32846	4.9506869	ppb	97
10)	ACROLEIN	3.473	56	18046	25.6545943	ppb	100
11)	1,1-DICHLOROETHENE	3.171	96	26095	5.0868331	ppb	100
12)	1,1,2-TRICHLOROTRIFLUO...	3.206	101	27499	4.9483491	ppb	97
13)	ACETONE	3.724	43	56320	18.9026808	ppb	100
14)	IODOMETHANE	3.303	142	156358	27.0076748	ppb	99
15)	CARBON DISULFIDE	3.200	76	64141	4.5468797	ppb	99
16)	METHYLENE CHLORIDE	3.682	84	36899	3.5123234	ppb	99

Quantitation Report (QT Reviewed)

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Data File : 1102_07.D
Acq On : 2 Nov 2011 8:16 am
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Misc : soil ISSURR10G08815
ALS Vial : 7 Sample Multiplier: 1
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Quant Time: Nov 02 13:23:35 2011
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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:22:32 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.367	53	58294	26.1421326	ppb		97
18)	n-HEXANE	3.885	56	34458	4.9233872	ppb		100
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	31046	5.0716055	ppb		99
20)	METHYL TERT-BUTYL ETHER	3.910	73	78885	5.1957667	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	61842	5.1569255	ppb		99
22)	VINYL ACETATE	4.518	43	317582	27.1383362	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	111817	5.2209723	ppb		97
24)	2,2-DICHLOROPROPANE	4.846	77	41975	5.1199540	ppb		100
25)	CIS-1,2-DICHLOROETHENE	4.756	96	34215	5.0440584	ppb		100
26)	2-BUTANONE (MEK)	5.206	72	20421	25.9984966	ppb		97
27)	BROMOCHLOROMETHANE	4.913	130	17265	5.1097249	ppb		99
28)	TETRAHYDROFURAN	5.100	42	10450	5.3933584	ppb		93
29)	CHLOROFORM	4.962	83	57330	5.2844976	ppb		98
31)	1,1,1-TRICHLOROETHANE	5.139	97	44333	5.0821168	ppb		98
32)	CARBON TETRACHLORIDE	5.087	117	34399	4.2758348	ppb		98
33)	1,1-DICHLOROPROPENE	5.232	75	49614	5.1605175	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	153338	5.2246130	ppb		96
35)	BENZENE	5.431	78	147464	5.0445009	ppb		96
36)	1,2-DICHLOROETHANE	5.582	62	42901	5.0051715	ppb		98
38)	TRICHLOROETHENE	5.881	130	32396	5.1332898	ppb	#	52
39)	1,2-DICHLOROPROPANE	6.302	62	25748	5.2046857	ppb		99
40)	DIBROMOMETHANE	6.219	93	16886	5.2778339	ppb		100
41)	BROMODICHLOROMETHANE	6.341	83	34803	5.1939242	ppb		99
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	60217	28.9572782	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	41863	4.4698175	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	59385	26.9391418	ppb		98
47)	TOLUENE	7.055	91	157658	4.9762117	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	8622	4.5399201	ppb		92
50)	1,1,2-TRICHLOROETHANE	7.527	97	26546	5.0899847	ppb		99
51)	TETRACHLOROETHENE	7.380	164	25029	4.9555626	ppb		99
52)	1,3-DICHLOROPROPANE	7.765	76	51118	4.8730416	ppb		98
53)	2-HEXANONE	8.068	58	54070	27.7792886	ppb		94
54)	CHLORODIBROMOMETHANE	7.685	129	19314	4.6265784	ppb		97
55)	1,2-DIBROMOETHANE	7.900	107	23514	5.3342655	ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.402	133	22672	5.0518367	ppb	#	98

Quantitation Report (QT Reviewed)

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Operator : 209
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Misc : soil ISSURR10G08815
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:23:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:22:32 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	51333	5.4462825	ppb		98
59)	M&P-XYLENE	8.499	106	128169	10.8553590	ppb		98
60)	O-XYLENE	8.888	106	57643	5.2916832	ppb		99
61)	STYRENE	8.936	104	94132	5.6054111	ppb		99
62)	BROMOFORM	8.965	173	9149	4.4547930	ppb		96
63)	ISOPROPYLBENZENE	9.174	105	145105	5.4766423	ppb		99
65)	BROMOBENZENE	9.547	77	72921	4.9212767	ppb		100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	34245	5.1208539	ppb		98
67)	1,2,3-TRICHLOROPROPANE	9.752	110	10007	5.2472297	ppb		97
68)	TRANS-1,4-DICHLORO-2-B...	9.785	53	8430	5.2322321	ppb	#	88
69)	N-PROPYLBENZENE	9.560	91	202453	5.2467169	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	127174	5.0814401	ppb		99
71)	4-CHLOROTOLUENE	9.875	91	116476	5.1884988	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	131372	5.4708993	ppb		98
73)	TERT-BUTYLBENZENE	10.052	119	108763	5.3031623	ppb		100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	133670	5.5003910	ppb		99
75)	SEC-BUTYLBENZENE	10.225	105	177524	5.3364226	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	66265	5.0529841	ppb		99
77)	P-ISOPROPYLTOLUENE	10.360	119	138866	5.5749116	ppb		100
79)	1,4-DICHLOROBENZENE	10.527	146	67558	4.8485007	ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	144192	5.1856201	ppb		100
81)	1,2-DICHLOROBENZENE	10.945	146	61356	5.1633422	ppb		99
82)	N-BUTYLBENZENE	10.778	91	140394	5.3965593	ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	3271	4.1543205	ppb		94
84)	1,2,4-TRICHLOROBENZENE	12.450	180	35504	5.0004701	ppb		100
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	23231	5.1384587	ppb		98
86)	NAPHTHALENE	12.791	128	80997	4.5278507	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	32781	4.9401651	ppb		98
88)	1-METHYLNAPHTHALENE	13.903	142	33032	4.0314270	ppb		100
91)	ETHANOL	0.000		0	N.D.			
92)	BROMOETHANE	0.000		0	N.D.			
93)	METHYL ACETATE	0.000		0	N.D. d			
94)	ACETONITRILE	0.000		0	N.D. d			
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D. d			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_07.D
Acq On : 2 Nov 2011 8:16 am
Operator : 209
Sample : STD VMS 5 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 7 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:23:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:22:32 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d	
99)	PROPIONITRILE	0.000		0	N.D.	d	
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	0.000		0	N.D.	d	
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.	d	
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
118)	CYCLOHEXANONE	0.000		0	N.D.	d	
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
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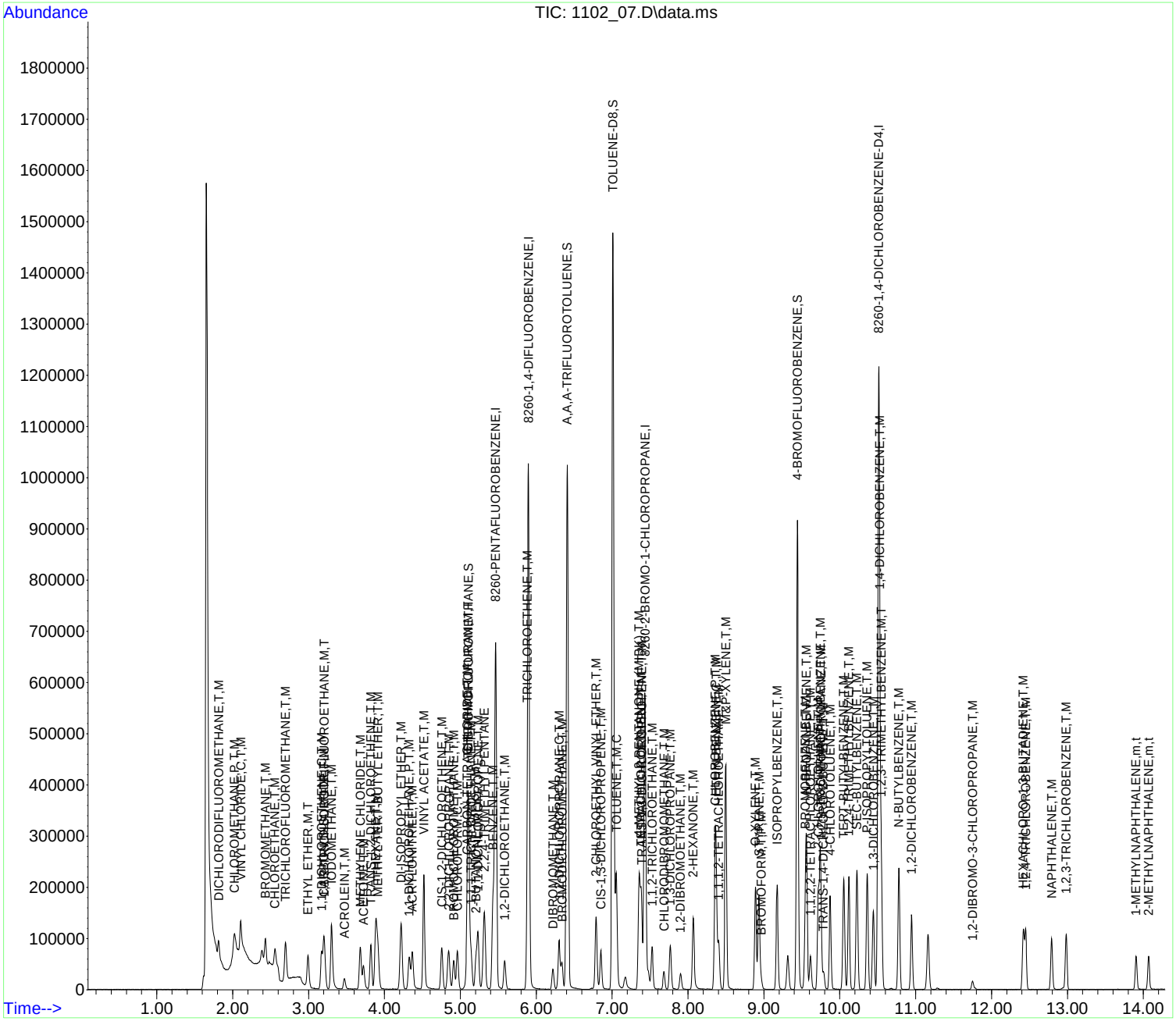
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:22:32 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_08.D
Acq On : 2 Nov 2011 8:37 am
Operator : 209
Sample : STD VMS 10 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:23:57 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:23:51 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	439257	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	797417	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	133149	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	328278	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	439257	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	797417	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	133149	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	328278	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	237035	44.2405794	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 110.60%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	442036	42.8624004	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 107.16%			
46) TOLUENE-D8	7.010	98	1077667	43.4963812	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 108.74%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 105.84%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-401626	N.D.		
3) DICHLORODIFLUOROMETHANE	1.817	85	72802	9.2457985	ppb	100
4) CHLOROMETHANE	2.023	50	92279	7.6586403	ppb	100
5) VINYL CHLORIDE	2.106	62	100490	8.6845412	ppb	98
6) BROMOMETHANE	2.431	94	52621	8.0233527	ppb	99
7) CHLOROETHANE	2.557	64	63789	9.4950505	ppb	97
8) TRICHLOROFLUOROMETHANE	2.695	101	118033	8.7885163	ppb	98
9) ETHYL ETHER	2.991	59	64637	9.0537006	ppb	98
10) ACROLEIN	3.473	56	36973	48.4958968	ppb	99
11) 1,1-DICHLOROETHENE	3.171	96	49162	8.8576469	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	54321	9.0847681	ppb	99
13) ACETONE	3.724	43	112283	36.7449444	ppb	100
14) IODOMETHANE	3.303	142	319060	50.3064838	ppb	100
15) CARBON DISULFIDE	3.200	76	127918	8.4410478	ppb	99
16) METHYLENE CHLORIDE	3.679	84	67369	6.3239573	ppb	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_08.D
Acq On : 2 Nov 2011 8:37 am
Operator : 209
Sample : STD VMS 10 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:23:57 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:23:51 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	121354	50.0179125	ppb		97
18)	n-HEXANE	3.885	56	68341	9.0843250	ppb		99
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	60346	9.1169722	ppb		98
20)	METHYL TERT-BUTYL ETHER	3.910	73	157956	9.5743265	ppb	#	100
21)	1,1-DICHLOROETHANE	4.328	63	120494	9.2610380	ppb		100
22)	VINYL ACETATE	4.518	43	652534	50.8473635	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	220875	9.4814064	ppb		98
24)	2,2-DICHLOROPROPANE	4.846	77	80426	9.0551877	ppb		99
25)	CIS-1,2-DICHLOROETHENE	4.756	96	67310	9.1871947	ppb		98
26)	2-BUTANONE (MEK)	5.206	72	42696	50.0158363	ppb		97
27)	BROMOCHLOROMETHANE	4.913	130	33356	9.1160651	ppb		98
28)	TETRAHYDROFURAN	5.103	42	21303	10.0394076	ppb		96
29)	CHLOROFORM	4.962	83	107632	9.0981547	ppb		100
31)	1,1,1-TRICHLOROETHANE	5.138	97	87948	9.3201688	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	67715	8.0395231	ppb		96
33)	1,1-DICHLOROPROPENE	5.232	75	96767	9.2755825	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	305848	9.5792154	ppb		99
35)	BENZENE	5.431	78	286031	9.0589402	ppb		98
36)	1,2-DICHLOROETHANE	5.582	62	85919	9.2951285	ppb		99
38)	TRICHLOROETHENE	5.881	130	61323	8.9747963	ppb	#	99
39)	1,2-DICHLOROPROPANE	6.302	62	50004	9.3093770	ppb		96
40)	DIBROMOMETHANE	6.219	93	33797	9.7009302	ppb		97
41)	BROMODICHLOROMETHANE	6.338	83	70216	9.6552905	ppb		99
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	134584	58.2508614	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	89782	8.8082073	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	128028	53.1046504	ppb		98
47)	TOLUENE	7.055	91	302356	8.8699467	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.386	110	17835	8.5817017	ppb		97
50)	1,1,2-TRICHLOROETHANE	7.527	97	51528	8.8051686	ppb		99
51)	TETRACHLOROETHENE	7.380	164	48353	8.5779383	ppb		98
52)	1,3-DICHLOROPROPANE	7.765	76	103137	8.8387176	ppb		99
53)	2-HEXANONE	8.068	58	120820	54.3113396	ppb		97
54)	CHLORODIBROMOMETHANE	7.685	129	39509	8.4048194	ppb		99
55)	1,2-DIBROMOETHANE	7.900	107	47343	9.4792279	ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	45530	9.0551353	ppb		95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_08.D
Acq On : 2 Nov 2011 8:37 am
Operator : 209
Sample : STD VMS 10 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:23:57 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:23:51 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	99917	9.3152809	ppb		99
59)	M&P-XYLENE	8.498	106	249421	18.5765422	ppb		100
60)	O-XYLENE	8.888	106	115963	9.4116629	ppb		98
61)	STYRENE	8.936	104	185097	9.6253206	ppb		100
62)	BROMOFORM	8.965	173	19388	8.3047725	ppb		98
63)	ISOPROPYLBENZENE	9.174	105	287467	9.5225925	ppb		99
65)	BROMOBENZENE	9.547	77	143193	8.6706981	ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	69639	9.2691676	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.752	110	21345	9.9125638	ppb		100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	17462	9.6045083	ppb		92
69)	N-PROPYLBENZENE	9.563	91	394105	9.0458179	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	251972	8.9756454	ppb		100
71)	4-CHLOROTOLUENE	9.875	91	225185	8.9047112	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	255284	9.3328143	ppb		100
73)	TERT-BUTYLBENZENE	10.051	119	215498	9.2853778	ppb		99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	260572	9.4019495	ppb		99
75)	SEC-BUTYLBENZENE	10.225	105	349930	9.2833861	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	126463	8.6068680	ppb		99
77)	P-ISOPROPYLTOLUENE	10.360	119	272964	9.5809966	ppb		99
79)	1,4-DICHLOROBENZENE	10.527	146	130167	8.7942154	ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	280178	9.3585084	ppb		100
81)	1,2-DICHLOROBENZENE	10.945	146	116948	9.1487985	ppb		99
82)	N-BUTYLBENZENE	10.778	91	278362	9.8552850	ppb		99
83)	1,2-DIBROMO-3-CHLOROPR...	11.752	157	7601	8.9157163	ppb		95
84)	1,2,4-TRICHLOROBENZENE	12.450	180	71073	9.3660342	ppb		100
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	44735	9.2074522	ppb		99
86)	NAPHTHALENE	12.791	128	175260	9.1045998	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	67721	9.5721395	ppb		99
88)	1-METHYLNAPHTHALENE	13.903	142	76411	8.6382460	ppb		100
91)	ETHANOL	3.126	45	289	No Calib		#	
92)	BROMOETHANE	0.000		0	N.D.			
93)	METHYL ACETATE	3.830	43	8072	No Calib		#	
94)	ACETONITRILE	4.113	41	837	No Calib		#	
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	3.904	59	293	No Calib		#	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_08.D
Acq On : 2 Nov 2011 8:37 am
Operator : 209
Sample : STD VMS 10 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:23:57 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	121354	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.315	59	603	No Calib	#
99)	PROPIONITRILE	5.315	54	1081	No Calib	
100)	ETHYL ACETATE	5.052	43	7282	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1347	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.232	59	235	No Calib	#
104)	ISOBUTANOL	5.460	43	973	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	5104	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	10976	No Calib	#
110)	2-NITROPROPANE	7.354	43	339959	No Calib	
111)	METHYL METHACRYLATE	6.524	41	436	No Calib	#
112)	1,4-DIOXANE	6.409	88	5729	No Calib	#
113)	N-OCTANE	6.849	85	953	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	370	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	2633	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.563	53	1971	No Calib	
118)	CYCLOHEXANONE	9.785	55	673	No Calib	#
119)	PENTACHLOROETHANE	10.051	117	9056	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	4471	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_08.D
Acq On : 2 Nov 2011 8:37 am
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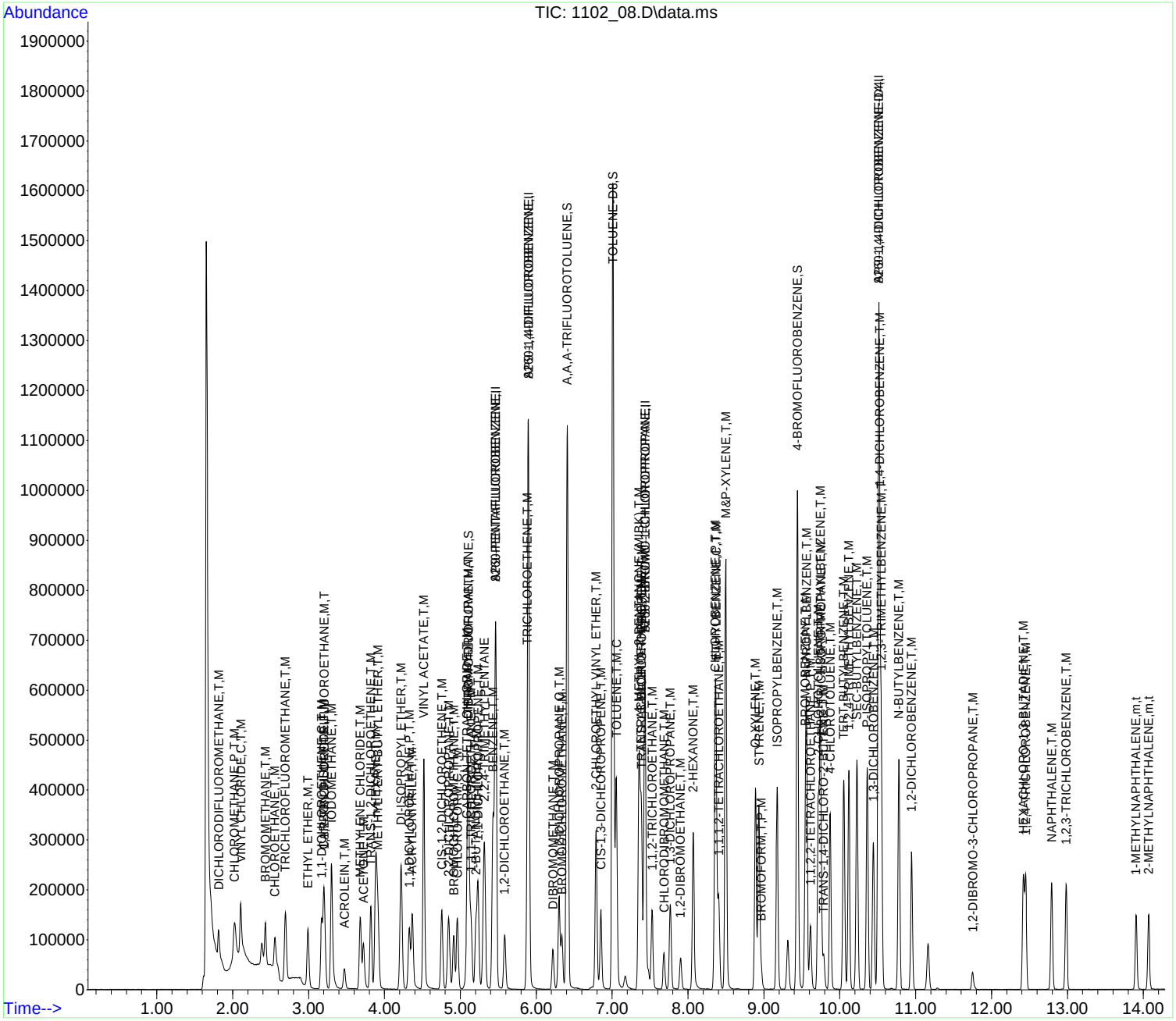
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:23:51 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_08.D
Acq On : 2 Nov 2011 8:37 am
Operator : 209
Sample : STD VMS 10 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:15 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:23:51 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	439257	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	797417	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	133149	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	328278	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	237035	44.2405794	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 110.60%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	442036	42.8624004	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 107.16%			
46) TOLUENE-D8	7.010	98	1077667	43.4963812	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 108.74%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 105.84%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-401626	N.D.		
3) DICHLORODIFLUOROMETHANE	1.817	85	72802	9.2457985	ppb	100
4) CHLOROMETHANE	2.023	50	92279	7.6586403	ppb	100
5) VINYL CHLORIDE	2.106	62	100490	8.6845412	ppb	98
6) BROMOMETHANE	2.431	94	52621	8.0233527	ppb	99
7) CHLOROETHANE	2.557	64	63789	9.4950505	ppb	97
8) TRICHLOROFLUOROMETHANE	2.695	101	118033	8.7885163	ppb	98
9) ETHYL ETHER	2.991	59	64637	9.0537006	ppb	98
10) ACROLEIN	3.473	56	36973	48.4958968	ppb	99
11) 1,1-DICHLOROETHENE	3.171	96	49162	8.8576469	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	54321	9.0847681	ppb	99
13) ACETONE	3.724	43	112283	36.7449444	ppb	100
14) IODOMETHANE	3.303	142	319060	50.3064838	ppb	100
15) CARBON DISULFIDE	3.200	76	127918	8.4410478	ppb	99
16) METHYLENE CHLORIDE	3.679	84	67369	6.3239573	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_08.D
Acq On : 2 Nov 2011 8:37 am
Operator : 209
Sample : STD VMS 10 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:15 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:23:51 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	121354	50.0179125	ppb		97
18) n-HEXANE	3.885	56	68341	9.0843250	ppb		99
19) TRANS-1,2-DICHLOROETHENE	3.820	96	60346	9.1169722	ppb		98
20) METHYL TERT-BUTYL ETHER	3.910	73	157956	9.5743265	ppb	#	100
21) 1,1-DICHLOROETHANE	4.328	63	120494	9.2610380	ppb		100
22) VINYL ACETATE	4.518	43	652534	50.8473635	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	220875	9.4814064	ppb		98
24) 2,2-DICHLOROPROPANE	4.846	77	80426	9.0551877	ppb		99
25) CIS-1,2-DICHLOROETHENE	4.756	96	67310	9.1871947	ppb		98
26) 2-BUTANONE (MEK)	5.206	72	42696	50.0158363	ppb		97
27) BROMOCHLOROMETHANE	4.913	130	33356	9.1160651	ppb		98
28) TETRAHYDROFURAN	5.103	42	21303	10.0394076	ppb		96
29) CHLOROFORM	4.962	83	107632	9.0981547	ppb		100
31) 1,1,1-TRICHLOROETHANE	5.138	97	87948	9.3201688	ppb		99
32) CARBON TETRACHLORIDE	5.087	117	67715	8.0395231	ppb		96
33) 1,1-DICHLOROPROPENE	5.232	75	96767	9.2755825	ppb		99
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	305848	9.5792154	ppb		99
35) BENZENE	5.431	78	286031	9.0589402	ppb		98
36) 1,2-DICHLOROETHANE	5.582	62	85919	9.2951285	ppb		99
38) TRICHLOROETHENE	5.881	130	61323	8.9747963	ppb	#	99
39) 1,2-DICHLOROPROPANE	6.302	62	50004	9.3093770	ppb		96
40) DIBROMOMETHANE	6.219	93	33797	9.7009302	ppb		97
41) BROMODICHLOROMETHANE	6.338	83	70216	9.6552905	ppb		99
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	134584	58.2508614	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	89782	8.8082073	ppb		99
45) 4-METHYL-2-PENTANONE (...	7.354	58	128028	53.1046504	ppb		98
47) TOLUENE	7.055	91	302356	8.8699467	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	17835	8.5817017	ppb		97
50) 1,1,2-TRICHLOROETHANE	7.527	97	51528	8.8051686	ppb		99
51) TETRACHLOROETHENE	7.380	164	48353	8.5779383	ppb		98
52) 1,3-DICHLOROPROPANE	7.765	76	103137	8.8387176	ppb		99
53) 2-HEXANONE	8.068	58	120820	54.3113396	ppb		97
54) CHLORODIBROMOMETHANE	7.685	129	39509	8.4048194	ppb		99
55) 1,2-DIBROMOETHANE	7.900	107	47343	9.4792279	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	45530	9.0551353	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_08.D
Acq On : 2 Nov 2011 8:37 am
Operator : 209
Sample : STD VMS 10 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:15 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:23:51 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	99917	9.3152809	ppb		99
59)	M&P-XYLENE	8.498	106	249421	18.5765422	ppb		100
60)	O-XYLENE	8.888	106	115963	9.4116629	ppb		98
61)	STYRENE	8.936	104	185097	9.6253206	ppb		100
62)	BROMOFORM	8.965	173	19388	8.3047725	ppb		98
63)	ISOPROPYLBENZENE	9.174	105	287467	9.5225925	ppb		99
65)	BROMOBENZENE	9.547	77	143193	8.6706981	ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	69639	9.2691676	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.752	110	21345	9.9125638	ppb		100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	17462	9.6045083	ppb		92
69)	N-PROPYLBENZENE	9.563	91	394105	9.0458179	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	251972	8.9756454	ppb		100
71)	4-CHLOROTOLUENE	9.875	91	225185	8.9047112	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	255284	9.3328143	ppb		100
73)	TERT-BUTYLBENZENE	10.051	119	215498	9.2853778	ppb		99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	260572	9.4019495	ppb		99
75)	SEC-BUTYLBENZENE	10.225	105	349930	9.2833861	ppb		100
76)	1,3-DICHLOROBENZENE	10.444	146	126463	8.6068680	ppb		99
77)	P-ISOPROPYLTOLUENE	10.360	119	272964	9.5809966	ppb		99
79)	1,4-DICHLOROBENZENE	10.527	146	130167	8.7942154	ppb	#	1
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	280178	9.3585084	ppb		100
81)	1,2-DICHLOROBENZENE	10.945	146	116948	9.1487985	ppb		99
82)	N-BUTYLBENZENE	10.778	91	278362	9.8552850	ppb		99
83)	1,2-DIBROMO-3-CHLOROPR...	11.752	157	7601	8.9157163	ppb		95
84)	1,2,4-TRICHLOROBENZENE	12.450	180	71073	9.3660342	ppb		100
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	44735	9.2074522	ppb		99
86)	NAPHTHALENE	12.791	128	175260	9.1045998	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	67721	9.5721395	ppb		99
88)	1-METHYLNAPHTHALENE	13.903	142	76411	8.6382460	ppb		100
91)	ETHANOL	0.000		0	N.D. d			
92)	BROMOETHANE	0.000		0	N.D.			
93)	METHYL ACETATE	0.000		0	N.D. d			
94)	ACETONITRILE	0.000		0	N.D. d			
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D. d			

Quantitation Report (QT Reviewed)

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Data File : 1102_08.D
Acq On : 2 Nov 2011 8:37 am
Operator : 209
Sample : STD VMS 10 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 8 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:15 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:23:51 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d	
99)	PROPIONITRILE	0.000		0	N.D.	d	
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	d	
104)	ISOBUTANOL	0.000		0	N.D.	d	
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.	d	
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.	d	
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
118)	CYCLOHEXANONE	0.000		0	N.D.	d	
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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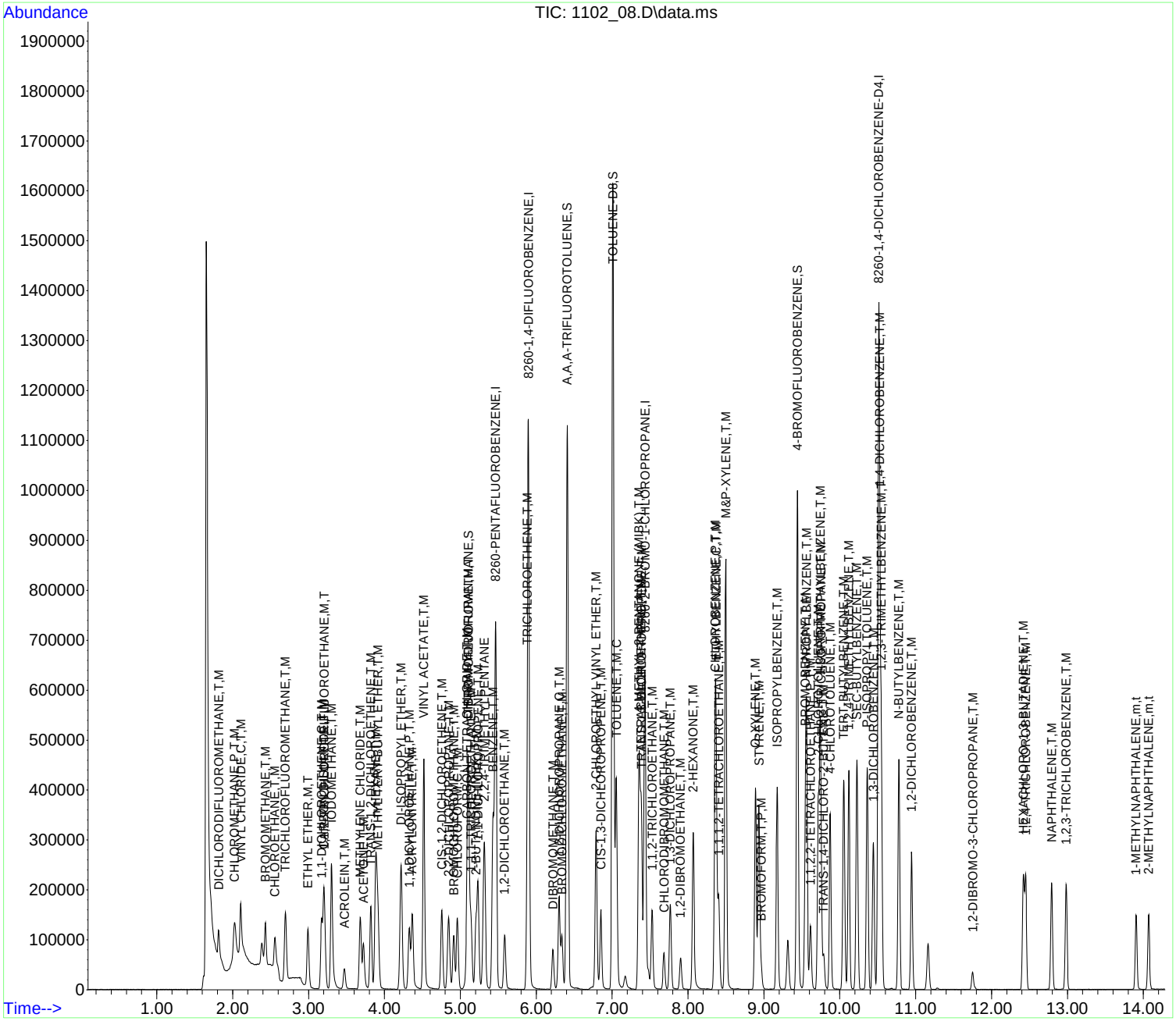
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:23:51 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_09.D
Acq On : 2 Nov 2011 8:59 am
Operator : 209
Sample : STD VMS 25 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:25:29 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	396937	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	711190	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	115938	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	298306	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	397261	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	711190	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	115938	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	298306	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	219229	45.2384643	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 113.10%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	415305	45.3483317	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 113.37%			
46) TOLUENE-D8	7.010	98	968225	43.9009537	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 109.75%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 111.92%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6435351m	Below Cal		
3) DICHLORODIFLUOROMETHANE	1.814	85	181732	25.8656456	ppb	100
4) CHLOROMETHANE	2.020	50	228951	21.8814097	ppb	100
5) VINYL CHLORIDE	2.107	62	247961	24.2455510	ppb	100
6) BROMOMETHANE	2.428	94	136613	23.8360536	ppb	100
7) CHLOROETHANE	2.557	64	159257	26.4555952	ppb	100
8) TRICHLOROFLUOROMETHANE	2.695	101	283580	23.8475393	ppb	100
9) ETHYL ETHER	2.991	59	149420	23.5317871	ppb	100
10) ACROLEIN	3.470	56	88029	128.4180497	ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	124654	25.3361431	ppb	100
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	133367	25.0649761	ppb	100
13) ACETONE	3.724	43	223934	84.8449930	ppb	100
14) IODOMETHANE	3.303	142	840194	146.4484677	ppb	100
15) CARBON DISULFIDE	3.200	76	351321	26.4403130	ppb	100
16) METHYLENE CHLORIDE	3.679	84	155848	17.2458759	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_09.D
Acq On : 2 Nov 2011 8:59 am
Operator : 209
Sample : STD VMS 25 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	286599	130.7125584	ppb		100
18) n-HEXANE	3.885	56	167312	24.9927765	ppb		100
19) TRANS-1,2-DICHLOROETHENE	3.817	96	149719	25.4047681	ppb		100
20) METHYL TERT-BUTYL ETHER	3.910	73	384181	25.9535761	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	301841	25.9927110	ppb		100
22) VINYL ACETATE	4.518	43	1717022	147.6431515	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	561024	26.8828167	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	214971	27.2126708	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.753	96	165496	25.3402813	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	94902	123.0183488	ppb		100
27) BROMOCHLOROMETHANE	4.914	130	82719	25.3911032	ppb		100
28) TETRAHYDROFURAN	5.100	42	47555	24.7842321	ppb		100
29) CHLOROFORM	4.962	83	268501	25.4995346	ppb		100
31) 1,1,1-TRICHLOROETHANE	5.139	97	223238	26.4796301	ppb		100
32) CARBON TETRACHLORIDE	5.087	117	174463	23.6959030	ppb		100
33) 1,1-DICHLOROPROPENE	5.232	75	240685	25.8425562	ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	773219	26.9886020	ppb		100
35) BENZENE	5.428	78	706929	25.1711347	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	205532	24.8986028	ppb		100
38) TRICHLOROETHENE	5.881	130	153629	25.6483280	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.299	62	127701	26.9673274	ppb		100
40) DIBROMOMETHANE	6.219	93	80463	26.0256419	ppb		100
41) BROMODICHLOROMETHANE	6.338	83	182804	28.3476518	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	342098	161.5757794	ppb		100
44) CIS-1,3-DICHLOROPROPENE	6.852	75	236285	26.2745009	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	304770	140.2905156	ppb		100
47) TOLUENE	7.055	91	738337	24.7522400	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	48238	26.3470284	ppb		100
50) 1,1,2-TRICHLOROETHANE	7.524	97	124335	24.8963478	ppb		100
51) TETRACHLOROETHENE	7.380	164	118258	24.6785306	ppb		100
52) 1,3-DICHLOROPROPANE	7.766	76	247979	24.8879901	ppb		100
53) 2-HEXANONE	8.068	58	286440	145.7808816	ppb		100
54) CHLORODIBROMOMETHANE	7.685	129	105474	26.3934631	ppb		100
55) 1,2-DIBROMOETHANE	7.901	107	116681	27.0654571	ppb		100
56) CHLOROBENZENE	8.354	112	444884	26.1894099	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	122489	28.4249736	ppb		100

Quantitation Report (Not Reviewed)

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Data File : 1102_09.D
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Operator : 209
Sample : STD VMS 25 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:25:29 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	257189	27.8551643	ppb	100
59)	M&P-XYLENE	8.499	106	631251	54.6422420	ppb	100
60)	O-XYLENE	8.888	106	296955	27.9530506	ppb	100
61)	STYRENE	8.933	104	495001	29.7477777	ppb	100
62)	BROMOFORM	8.962	173	53537	26.7472200	ppb	100
63)	ISOPROPYLBENZENE	9.174	105	738414	28.3170914	ppb	100
65)	BROMOBENZENE	9.547	77	359109	25.5388106	ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	169053	26.1604746	ppb	100
67)	1,2,3-TRICHLOROPROPANE	9.753	110	49902	26.6534383	ppb	100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	44115	28.0512153	ppb	100
69)	N-PROPYLBENZENE	9.560	91	1016125	27.2180649	ppb	100
70)	2-CHLOROTOLUENE	9.717	91	641903	26.7161247	ppb	100
71)	4-CHLOROTOLUENE	9.872	91	580184	26.8385750	ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	664169	28.1991511	ppb	100
73)	TERT-BUTYLBENZENE	10.052	119	560271	28.0588742	ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	673011	28.1692308	ppb	100
75)	SEC-BUTYLBENZENE	10.225	105	906277	27.9458002	ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	323671	25.9000315	ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	721844	29.3024716	ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	328757	24.9440894	ppb	100
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	723425	26.8790662	ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	296811	25.9200819	ppb	100
82)	N-BUTYLBENZENE	10.778	91	732066	28.5915707	ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	20340	26.3476172	ppb	100
84)	1,2,4-TRICHLOROBENZENE	12.450	180	183434	26.8858599	ppb	100
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	114969	26.3892747	ppb	100
86)	NAPHTHALENE	12.791	128	452852	26.0979216	ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.981	180	170321	26.6834326	ppb	100
88)	1-METHYLNAPHTHALENE	13.904	142	214861	26.9717352	ppb	100
89)	2-METHYLNAPHTHALENE	14.068	142	197506	26.4637970	ppb	100
91)	ETHANOL	3.126	45	176	No Calib	#	
92)	BROMOETHANE	0.000		0	N.D.		
93)	METHYL ACETATE	3.830	43	12354	No Calib	#	
94)	ACETONITRILE	4.074	41	602	No Calib	#	
95)	ALLYL CHLORIDE	0.000		0	N.D.		
96)	TERT-BUTYL ALCOHOL	3.914	59	1138	No Calib	#	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_09.D
Acq On : 2 Nov 2011 8:59 am
Operator : 209
Sample : STD VMS 25 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	286599	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.325	59	1714	No Calib	#
99)	PROPIONITRILE	5.312	54	2305	No Calib	
100)	ETHYL ACETATE	5.052	43	8130	No Calib	#
101)	METHACRYLONITRILE	5.467	67	1298	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.229	59	1052	No Calib	#
104)	ISOBUTANOL	5.467	43	1074	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	12217	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.894	83	10898	No Calib	#
110)	2-NITROPROPANE	7.354	43	798607	No Calib	
111)	METHYL METHACRYLATE	6.524	41	1399	No Calib	#
112)	1,4-DIOXANE	6.405	88	5703	No Calib	
113)	N-OCTANE	6.852	85	3169	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.003	59	267	No Calib	#
116)	ETHYL METHACRYLATE	7.357	69	5985	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5401	No Calib	
118)	CYCLOHEXANONE	9.785	55	1421	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	22957	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	9037	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_09.D
Acq On : 2 Nov 2011 8:59 am
Operator : 209
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Misc : soil ISSURR10G08815
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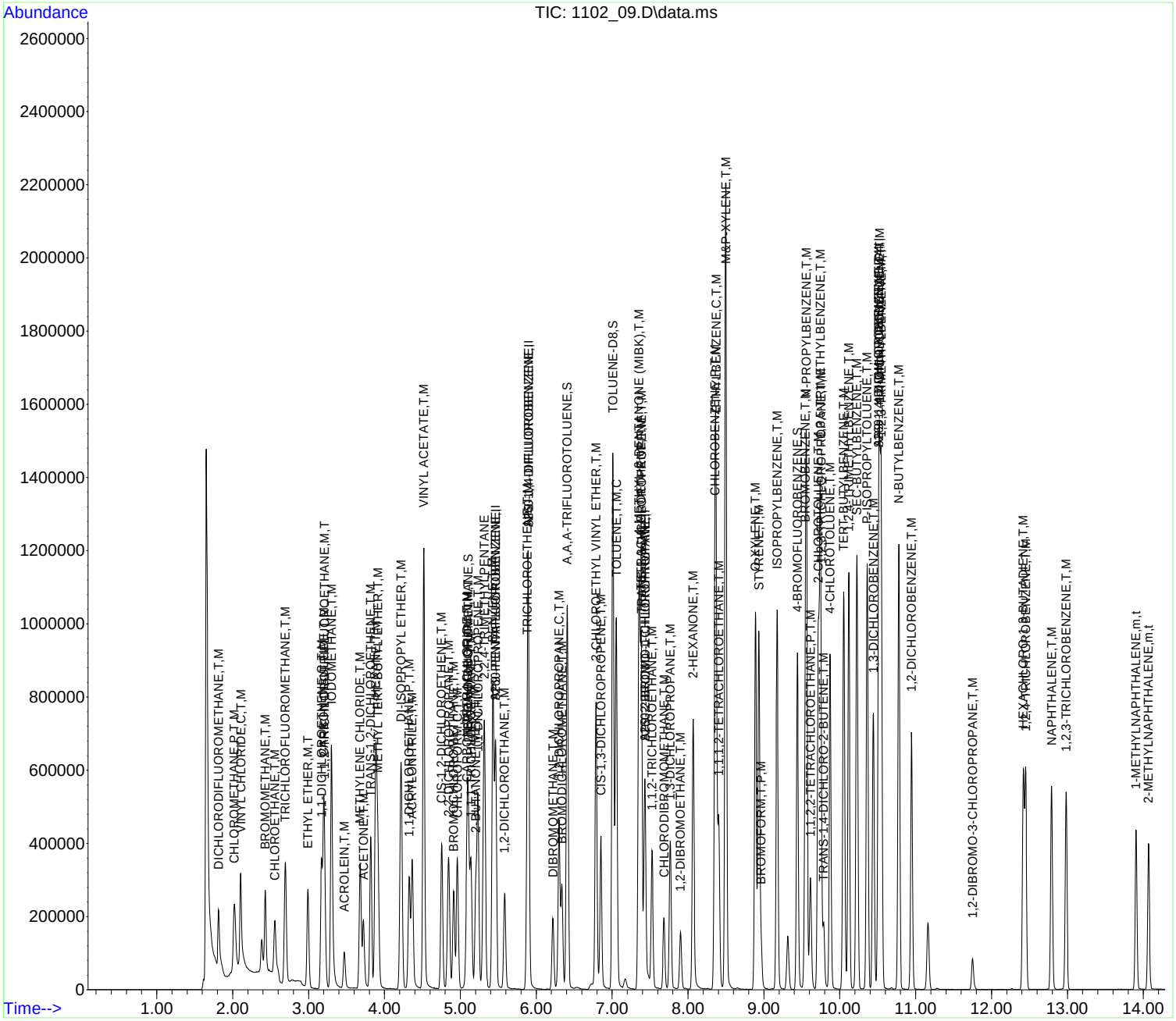
InstName : VOCMS22

Quant Time: Nov 02 13:25:35 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:25:29 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_09.D
Acq On : 2 Nov 2011 8:59 am
Operator : 209
Sample : STD VMS 25 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:57 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:25:29 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	396937	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	711190	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	115938	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	298306	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	219229	45.2384643	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 113.10%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	415305	45.3483317	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 113.37%			
46) TOLUENE-D8	7.010	98	968225	43.9009537	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 109.75%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 111.92%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6435351m	Below Cal		
3) DICHLORODIFLUOROMETHANE	1.814	85	181732	25.8656456	ppb	100
4) CHLOROMETHANE	2.020	50	228951	21.8814097	ppb	100
5) VINYL CHLORIDE	2.107	62	247961	24.2455510	ppb	100
6) BROMOMETHANE	2.428	94	136613	23.8360536	ppb	100
7) CHLOROETHANE	2.557	64	159257	26.4555952	ppb	100
8) TRICHLOROFLUOROMETHANE	2.695	101	283580	23.8475393	ppb	100
9) ETHYL ETHER	2.991	59	149420	23.5317871	ppb	100
10) ACROLEIN	3.470	56	88029	128.4180497	ppb	100
11) 1,1-DICHLOROETHENE	3.171	96	124654	25.3361431	ppb	100
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	133367	25.0649761	ppb	100
13) ACETONE	3.724	43	223934	84.8449930	ppb	100
14) IODOMETHANE	3.303	142	840194	146.4484677	ppb	100
15) CARBON DISULFIDE	3.200	76	351321	26.4403130	ppb	100
16) METHYLENE CHLORIDE	3.679	84	155848	17.2458759	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_09.D
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Operator : 209
Sample : STD VMS 25 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:57 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	286599	130.7125584	ppb		100
18) n-HEXANE	3.885	56	167312	24.9927765	ppb		100
19) TRANS-1,2-DICHLOROETHENE	3.817	96	149719	25.4047681	ppb		100
20) METHYL TERT-BUTYL ETHER	3.910	73	384181	25.9535761	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	301841	25.9927110	ppb		100
22) VINYL ACETATE	4.518	43	1717022	147.6431515	ppb		100
23) DI-ISOPROPYL ETHER	4.219	45	561024	26.8828167	ppb		100
24) 2,2-DICHLOROPROPANE	4.846	77	214971	27.2126708	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.753	96	165496	25.3402813	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	94902	123.0183488	ppb		100
27) BROMOCHLOROMETHANE	4.914	130	82719	25.3911032	ppb		100
28) TETRAHYDROFURAN	5.100	42	47555	24.7842321	ppb		100
29) CHLOROFORM	4.962	83	268501	25.4995346	ppb		100
31) 1,1,1-TRICHLOROETHANE	5.139	97	223238	26.4796301	ppb		100
32) CARBON TETRACHLORIDE	5.087	117	174463	23.6959030	ppb		100
33) 1,1-DICHLOROPROPENE	5.232	75	240685	25.8425562	ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	773219	26.9886020	ppb		100
35) BENZENE	5.428	78	706929	25.1711347	ppb		100
36) 1,2-DICHLOROETHANE	5.582	62	205532	24.8986028	ppb		100
38) TRICHLOROETHENE	5.881	130	153629	25.6483280	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.299	62	127701	26.9673274	ppb		100
40) DIBROMOMETHANE	6.219	93	80463	26.0256419	ppb		100
41) BROMODICHLOROMETHANE	6.338	83	182804	28.3476518	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	342098	161.5757794	ppb		100
44) CIS-1,3-DICHLOROPROPENE	6.852	75	236285	26.2745009	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	304770	140.2905156	ppb		100
47) TOLUENE	7.055	91	738337	24.7522400	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	48238	26.3470284	ppb		100
50) 1,1,2-TRICHLOROETHANE	7.524	97	124335	24.8963478	ppb		100
51) TETRACHLOROETHENE	7.380	164	118258	24.6785306	ppb		100
52) 1,3-DICHLOROPROPANE	7.766	76	247979	24.8879901	ppb		100
53) 2-HEXANONE	8.068	58	286440	145.7808816	ppb		100
54) CHLORODIBROMOMETHANE	7.685	129	105474	26.3934631	ppb		100
55) 1,2-DIBROMOETHANE	7.901	107	116681	27.0654571	ppb		100
56) CHLOROBENZENE	8.354	112	444884	26.1894099	ppb		100
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	122489	28.4249736	ppb		100

Quantitation Report (QT Reviewed)

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Data File : 1102_09.D
Acq On : 2 Nov 2011 8:59 am
Operator : 209
Sample : STD VMS 25 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:57 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:25:29 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	257189	27.8551643	ppb	100
59)	M&P-XYLENE	8.499	106	631251	54.6422420	ppb	100
60)	O-XYLENE	8.888	106	296955	27.9530506	ppb	100
61)	STYRENE	8.933	104	495001	29.7477777	ppb	100
62)	BROMOFORM	8.962	173	53537	26.7472200	ppb	100
63)	ISOPROPYLBENZENE	9.174	105	738414	28.3170914	ppb	100
65)	BROMOBENZENE	9.547	77	359109	25.5388106	ppb	100
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	169053	26.1604746	ppb	100
67)	1,2,3-TRICHLOROPROPANE	9.753	110	49902	26.6534383	ppb	100
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	44115	28.0512153	ppb	100
69)	N-PROPYLBENZENE	9.560	91	1016125	27.2180649	ppb	100
70)	2-CHLOROTOLUENE	9.717	91	641903	26.7161247	ppb	100
71)	4-CHLOROTOLUENE	9.872	91	580184	26.8385750	ppb	100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	664169	28.1991511	ppb	100
73)	TERT-BUTYLBENZENE	10.052	119	560271	28.0588742	ppb	100
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	673011	28.1692308	ppb	100
75)	SEC-BUTYLBENZENE	10.225	105	906277	27.9458002	ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	323671	25.9000315	ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	721844	29.3024716	ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	328757	24.9440894	ppb	100
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	723425	26.8790662	ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	296811	25.9200819	ppb	100
82)	N-BUTYLBENZENE	10.778	91	732066	28.5915707	ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	20340	26.3476172	ppb	100
84)	1,2,4-TRICHLOROBENZENE	12.450	180	183434	26.8858599	ppb	100
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	114969	26.3892747	ppb	100
86)	NAPHTHALENE	12.791	128	452852	26.0979216	ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.981	180	170321	26.6834326	ppb	100
88)	1-METHYLNAPHTHALENE	13.904	142	214861	26.9717352	ppb	100
89)	2-METHYLNAPHTHALENE	14.068	142	197506	26.4637970	ppb	100
91)	ETHANOL	0.000		0	N.D. d		
92)	BROMOETHANE	0.000		0	N.D.		
93)	METHYL ACETATE	0.000		0	N.D. d		
94)	ACETONITRILE	0.000		0	N.D. d		
95)	ALLYL CHLORIDE	0.000		0	N.D.		
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_09.D
Acq On : 2 Nov 2011 8:59 am
Operator : 209
Sample : STD VMS 25 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:57 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:25:29 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d	
99)	PROPIONITRILE	0.000		0	N.D.	d	
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	d	
104)	ISOBUTANOL	0.000		0	N.D.	d	
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.	d	
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.	d	
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
118)	CYCLOHEXANONE	0.000		0	N.D.	d	
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_09.D
Acq On : 2 Nov 2011 8:59 am
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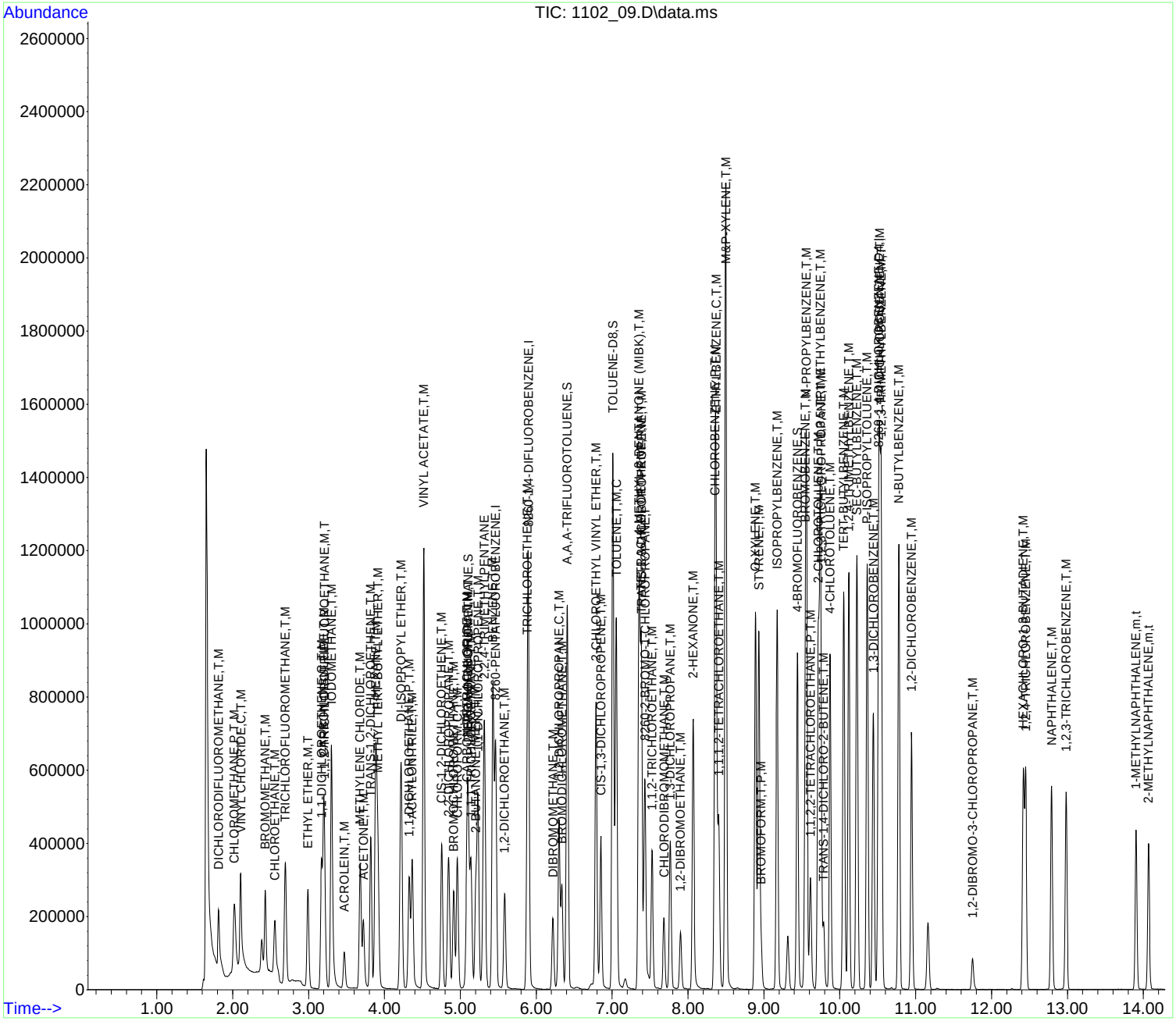
Misc : soil ISSURR10G08815
ALS Vial : 9 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:25:57 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:25:29 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_10.D
Acq On : 2 Nov 2011 9:20 am
Operator : 209
Sample : STD VMS 40 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:26:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:26:13 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	410776	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	738038	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	122977	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	307751	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	410776	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	738038	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	122977	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	307751	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	234104	46.6804685	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 116.70%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	433528	45.6161077	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 114.04%			
46) TOLUENE-D8	7.010	98	1025571	44.8095221	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 112.02%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 112.49%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	17238028m	Below Cal		
3) DICHLORODIFLUOROMETHANE	1.814	85	286474	39.3997667	ppb	99
4) CHLOROMETHANE	2.023	50	371224	34.2835133	ppb	100
5) VINYL CHLORIDE	2.106	62	401452	37.9313960	ppb	97
6) BROMOMETHANE	2.428	94	211462	35.6525979	ppb	100
7) CHLOROETHANE	2.553	64	252974	40.6079828	ppb	98
8) TRICHLOROFLUOROMETHANE	2.692	101	451914	36.7231810	ppb	100
9) ETHYL ETHER	2.991	59	245155	37.3081277	ppb	100
10) ACROLEIN	3.473	56	152646	215.1801725	ppb	99
11) 1,1-DICHLOROETHENE	3.171	96	204963	40.2555973	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	221169	40.1661022	ppb	99
13) ACETONE	3.724	43	415186	152.0076351	ppb	98
14) IODOMETHANE	3.303	142	1423642	239.7853080	ppb	100
15) CARBON DISULFIDE	3.200	76	601819	43.7087145	ppb	100
16) METHYLENE CHLORIDE	3.679	84	255109	27.2788669	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_10.D
Acq On : 2 Nov 2011 9:20 am
Operator : 209
Sample : STD VMS 40 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:26:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:26:13 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	486777	214.5305842	ppb		98
18)	n-HEXANE	3.885	56	273803	39.5249307	ppb		98
19)	TRANS-1,2-DICHLOROETHENE	3.817	96	247689	40.6126715	ppb		100
20)	METHYL TERT-BUTYL ETHER	3.910	73	652127	42.5706251	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	499800	41.5897319	ppb		100
22)	VINYL ACETATE	4.518	43	2660387	221.0542074	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	945019	43.7572875	ppb		99
24)	2,2-DICHLOROPROPANE	4.846	77	358580	43.8625498	ppb		100
25)	CIS-1,2-DICHLOROETHENE	4.753	96	270615	40.0398386	ppb		99
26)	2-BUTANONE (MEK)	5.203	72	167648	209.9952284	ppb		98
27)	BROMOCHLOROMETHANE	4.910	130	136233	40.4087240	ppb		100
28)	TETRAHYDROFURAN	5.100	42	79552	40.0633171	ppb		98
29)	CHLOROFORM	4.962	83	448069	41.1194944	ppb		100
31)	1,1,1-TRICHLOROETHANE	5.139	97	371598	42.5925538	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	295276	38.7538271	ppb		99
33)	1,1-DICHLOROPROPENE	5.232	75	399827	41.4834708	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	1275111	43.0073204	ppb		100
35)	BENZENE	5.431	78	1153791	39.6981862	ppb		99
36)	1,2-DICHLOROETHANE	5.582	62	338969	39.6800337	ppb		100
38)	TRICHLOROETHENE	5.881	130	256390	41.2471414	ppb	#	99
39)	1,2-DICHLOROPROPANE	6.299	62	211810	43.1019568	ppb		99
40)	DIBROMOMETHANE	6.219	93	135402	42.2024075	ppb		100
41)	BROMODICHLOROMETHANE	6.338	83	311931	46.6119048	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	608319	276.8624283	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	405802	43.3283207	ppb		100
45)	4-METHYL-2-PENTANONE (...	7.354	58	537240	238.3040125	ppb		99
47)	TOLUENE	7.055	91	1228903	39.6994415	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.386	110	85497	44.8010419	ppb		95
50)	1,1,2-TRICHLOROETHANE	7.524	97	209238	39.4988739	ppb		98
51)	TETRACHLOROETHENE	7.380	164	198178	38.9893611	ppb		99
52)	1,3-DICHLOROPROPANE	7.765	76	416455	39.4044175	ppb		99
53)	2-HEXANONE	8.068	58	514181	246.7089141	ppb		100
54)	CHLORODIBROMOMETHANE	7.682	129	182801	43.0119883	ppb		99
55)	1,2-DIBROMOETHANE	7.900	107	198147	43.3315910	ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	204259	44.6875034	ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_10.D
Acq On : 2 Nov 2011 9:20 am
Operator : 209
Sample : STD VMS 40 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:26:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:26:13 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
58) ETHYLBENZENE	8.370	106	425236	43.4195451 ppb		99
59) M&P-XYLENE	8.499	106	1057218	86.2765738 ppb		99
60) O-XYLENE	8.888	106	494679	43.8999426 ppb		100
61) STYRENE	8.933	104	836241	47.3785557 ppb		99
62) BROMOFORM	8.962	173	98372	46.1075124 ppb		98
63) ISOPROPYLBENZENE	9.174	105	1234432	44.6290664 ppb		100
65) BROMOBENZENE	9.547	77	593919	39.8202064 ppb		99
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	286234	41.7585938 ppb		100
67) 1,2,3-TRICHLOROPROPANE	9.752	110	84438	42.5182261 ppb		99
68) TRANS-1,4-DICHLORO-2-B...	9.788	53	74371	44.5831683 ppb		92
69) N-PROPYLBENZENE	9.560	91	1677901	42.3719403 ppb		100
70) 2-CHLOROTOLUENE	9.714	91	1059239	41.5623341 ppb		100
71) 4-CHLOROTOLUENE	9.871	91	958858	41.8167149 ppb		100
72) 1,3,5-TRIMETHYLBENZENE	9.743	105	1109924	44.4275727 ppb		100
73) TERT-BUTYLBENZENE	10.052	119	931971	44.0024044 ppb		100
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	1109793	43.7921953 ppb		99
75) SEC-BUTYLBENZENE	10.225	105	1493066	43.4046749 ppb		100
76) 1,3-DICHLOROBENZENE	10.444	146	530692	40.0351033 ppb		99
77) P-ISOPROPYLTOLUENE	10.360	119	1185859	45.3832785 ppb		100
79) 1,4-DICHLOROBENZENE	10.527	146	537503	39.5308410 ppb	#	72
80) 1,2,3-TRIMETHYLBENZENE	10.547	105	1192037	42.9311889 ppb		100
81) 1,2-DICHLOROBENZENE	10.945	146	489323	41.4204223 ppb		99
82) N-BUTYLBENZENE	10.778	91	1190209	45.0581673 ppb		100
83) 1,2-DIBROMO-3-CHLOROPR...	11.749	157	36599	45.7282798 ppb		98
84) 1,2,4-TRICHLOROBENZENE	12.447	180	306419	43.5333713 ppb		99
85) HEXACHLORO-1,3-BUTADIENE	12.418	225	190475	42.3786578 ppb		99
86) NAPHTHALENE	12.791	128	785317	43.7417450 ppb		100
87) 1,2,3-TRICHLOROBENZENE	12.981	180	283986	43.1253810 ppb		99
88) 1-METHYLNAPHTHALENE	13.903	142	385970	46.7394354 ppb		99
91) ETHANOL	0.000		0	N.D.		
92) BROMOETHANE	0.000		0	N.D.		
93) METHYL ACETATE	3.827	43	29569	No Calib	#	
94) ACETONITRILE	4.074	41	1016	No Calib	#	
95) ALLYL CHLORIDE	0.000		0	N.D.		
96) TERT-BUTYL ALCOHOL	3.907	59	1841	No Calib	#	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_10.D
Acq On : 2 Nov 2011 9:20 am
Operator : 209
Sample : STD VMS 40 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:26:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	486777	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.325	59	2792	No Calib	#
99)	PROPIONITRILE	5.312	54	3579	No Calib	
100)	ETHYL ACETATE	5.052	43	11086	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1413	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	5.235	59	1888	No Calib	#
104)	ISOBUTANOL	0.000		0	N.D.	
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.431	73	18942	No Calib	#
108)	N-BUTANOL	6.161	56	225	No Calib	
109)	METHYL CYCLOHEXANE	5.894	83	12189	No Calib	#
110)	2-NITROPROPANE	7.354	43	1392775	No Calib	
111)	METHYL METHACRYLATE	6.528	41	1560	No Calib	#
112)	1,4-DIOXANE	6.409	88	5675	No Calib	#
113)	N-OCTANE	6.852	85	5009	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	252	No Calib	#
116)	ETHYL METHACRYLATE	7.351	69	10650	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	8745	No Calib	
118)	CYCLOHEXANONE	9.781	55	2181	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	35959	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	12084	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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Acq On : 2 Nov 2011 9:20 am
Operator : 209
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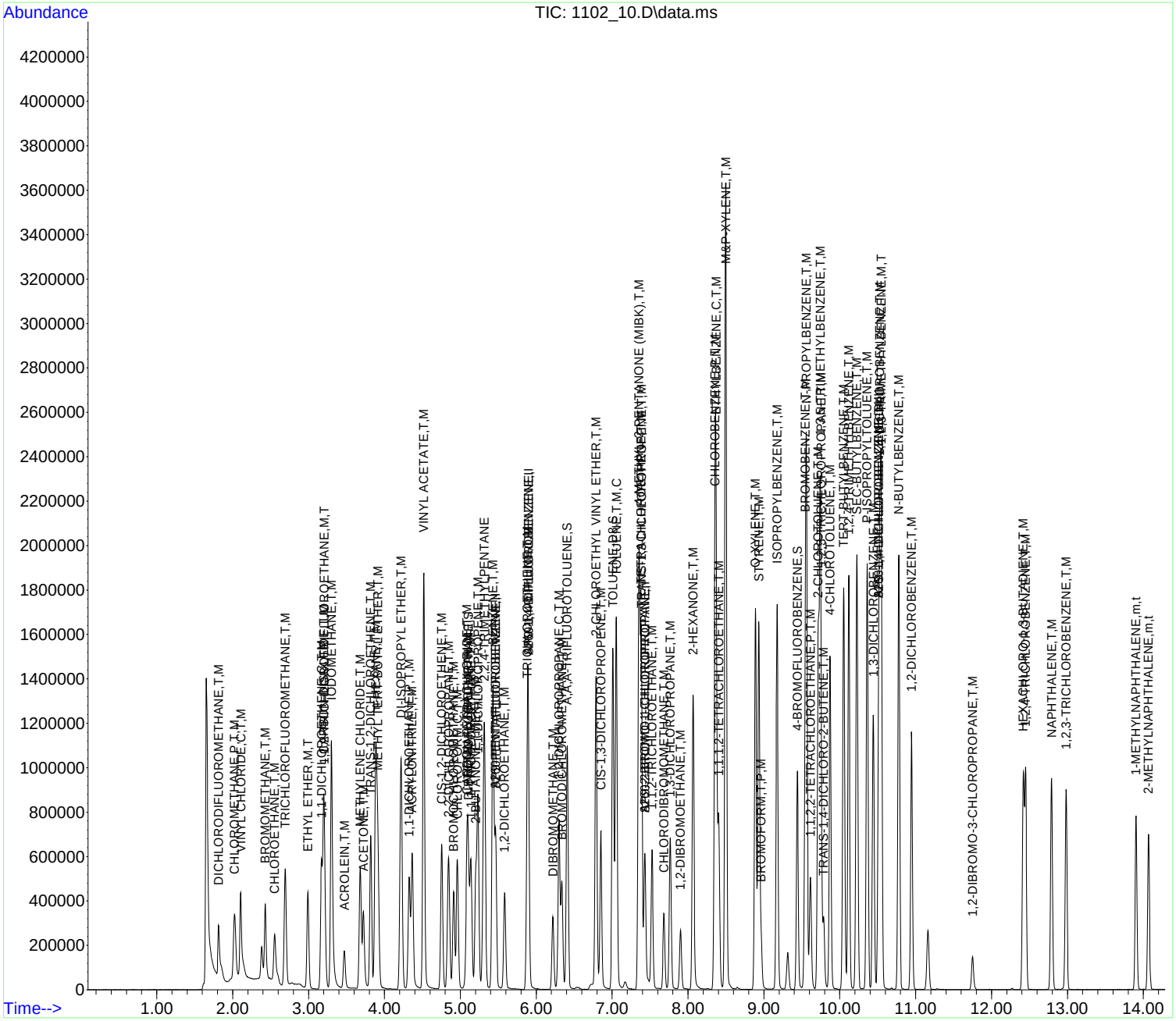
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:26:13 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_10.D
Acq On : 2 Nov 2011 9:20 am
Operator : 209
Sample : STD VMS 40 PPB 11J21182
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Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:26:13 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	410776	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	738038	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	122977	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	307751	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	234104	46.6804685	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 116.70%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	433528	45.6161077	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 114.04%			
46) TOLUENE-D8	7.010	98	1025571	44.8095221	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 112.02%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 112.49%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	17238028m	Below Cal		
3) DICHLORODIFLUOROMETHANE	1.814	85	286474	39.3997667	ppb	99
4) CHLOROMETHANE	2.023	50	371224	34.2835133	ppb	100
5) VINYL CHLORIDE	2.106	62	401452	37.9313960	ppb	97
6) BROMOMETHANE	2.428	94	211462	35.6525979	ppb	100
7) CHLOROETHANE	2.553	64	252974	40.6079828	ppb	98
8) TRICHLOROFLUOROMETHANE	2.692	101	451914	36.7231810	ppb	100
9) ETHYL ETHER	2.991	59	245155	37.3081277	ppb	100
10) ACROLEIN	3.473	56	152646	215.1801725	ppb	99
11) 1,1-DICHLOROETHENE	3.171	96	204963	40.2555973	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	221169	40.1661022	ppb	99
13) ACETONE	3.724	43	415186	152.0076351	ppb	98
14) IODOMETHANE	3.303	142	1423642	239.7853080	ppb	100
15) CARBON DISULFIDE	3.200	76	601819	43.7087145	ppb	100
16) METHYLENE CHLORIDE	3.679	84	255109	27.2788669	ppb	100

Quantitation Report (QT Reviewed)

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Data File : 1102_10.D
Acq On : 2 Nov 2011 9:20 am
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Sample : STD VMS 40 PPB 11J21182
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	486777	214.5305842	ppb		98
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19)	TRANS-1,2-DICHLOROETHENE	3.817	96	247689	40.6126715	ppb		100
20)	METHYL TERT-BUTYL ETHER	3.910	73	652127	42.5706251	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	499800	41.5897319	ppb		100
22)	VINYL ACETATE	4.518	43	2660387	221.0542074	ppb		100
23)	DI-ISOPROPYL ETHER	4.219	45	945019	43.7572875	ppb		99
24)	2,2-DICHLOROPROPANE	4.846	77	358580	43.8625498	ppb		100
25)	CIS-1,2-DICHLOROETHENE	4.753	96	270615	40.0398386	ppb		99
26)	2-BUTANONE (MEK)	5.203	72	167648	209.9952284	ppb		98
27)	BROMOCHLOROMETHANE	4.910	130	136233	40.4087240	ppb		100
28)	TETRAHYDROFURAN	5.100	42	79552	40.0633171	ppb		98
29)	CHLOROFORM	4.962	83	448069	41.1194944	ppb		100
31)	1,1,1-TRICHLOROETHANE	5.139	97	371598	42.5925538	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	295276	38.7538271	ppb		99
33)	1,1-DICHLOROPROPENE	5.232	75	399827	41.4834708	ppb		99
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	1275111	43.0073204	ppb		100
35)	BENZENE	5.431	78	1153791	39.6981862	ppb		99
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38)	TRICHLOROETHENE	5.881	130	256390	41.2471414	ppb	#	99
39)	1,2-DICHLOROPROPANE	6.299	62	211810	43.1019568	ppb		99
40)	DIBROMOMETHANE	6.219	93	135402	42.2024075	ppb		100
41)	BROMODICHLOROMETHANE	6.338	83	311931	46.6119048	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	608319	276.8624283	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	405802	43.3283207	ppb		100
45)	4-METHYL-2-PENTANONE (...	7.354	58	537240	238.3040125	ppb		99
47)	TOLUENE	7.055	91	1228903	39.6994415	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.386	110	85497	44.8010419	ppb		95
50)	1,1,2-TRICHLOROETHANE	7.524	97	209238	39.4988739	ppb		98
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55)	1,2-DIBROMOETHANE	7.900	107	198147	43.3315910	ppb		100
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	204259	44.6875034	ppb		98

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Acq On : 2 Nov 2011 9:20 am
Operator : 209
Sample : STD VMS 40 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:27:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:26:13 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58) ETHYLBENZENE	8.370	106	425236	43.4195451	ppb		99
59) M&P-XYLENE	8.499	106	1057218	86.2765738	ppb		99
60) O-XYLENE	8.888	106	494679	43.8999426	ppb		100
61) STYRENE	8.933	104	836241	47.3785557	ppb		99
62) BROMOFORM	8.962	173	98372	46.1075124	ppb		98
63) ISOPROPYLBENZENE	9.174	105	1234432	44.6290664	ppb		100
65) BROMOBENZENE	9.547	77	593919	39.8202064	ppb		99
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	286234	41.7585938	ppb		100
67) 1,2,3-TRICHLOROPROPANE	9.752	110	84438	42.5182261	ppb		99
68) TRANS-1,4-DICHLORO-2-B...	9.788	53	74371	44.5831683	ppb		92
69) N-PROPYLBENZENE	9.560	91	1677901	42.3719403	ppb		100
70) 2-CHLOROTOLUENE	9.714	91	1059239	41.5623341	ppb		100
71) 4-CHLOROTOLUENE	9.871	91	958858	41.8167149	ppb		100
72) 1,3,5-TRIMETHYLBENZENE	9.743	105	1109924	44.4275727	ppb		100
73) TERT-BUTYLBENZENE	10.052	119	931971	44.0024044	ppb		100
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	1109793	43.7921953	ppb		99
75) SEC-BUTYLBENZENE	10.225	105	1493066	43.4046749	ppb		100
76) 1,3-DICHLOROBENZENE	10.444	146	530692	40.0351033	ppb		99
77) P-ISOPROPYLTOLUENE	10.360	119	1185859	45.3832785	ppb		100
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81) 1,2-DICHLOROBENZENE	10.945	146	489323	41.4204223	ppb		99
82) N-BUTYLBENZENE	10.778	91	1190209	45.0581673	ppb		100
83) 1,2-DIBROMO-3-CHLOROPR...	11.749	157	36599	45.7282798	ppb		98
84) 1,2,4-TRICHLOROBENZENE	12.447	180	306419	43.5333713	ppb		99
85) HEXACHLORO-1,3-BUTADIENE	12.418	225	190475	42.3786578	ppb		99
86) NAPHTHALENE	12.791	128	785317	43.7417450	ppb		100
87) 1,2,3-TRICHLOROBENZENE	12.981	180	283986	43.1253810	ppb		99
88) 1-METHYLNAPHTHALENE	13.903	142	385970	46.7394354	ppb		99
91) ETHANOL	0.000		0	N.D.			
92) BROMOETHANE	0.000		0	N.D.			
93) METHYL ACETATE	0.000		0	N.D. d			
94) ACETONITRILE	0.000		0	N.D. d			
95) ALLYL CHLORIDE	0.000		0	N.D.			
96) TERT-BUTYL ALCOHOL	0.000		0	N.D. d			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_10.D
Acq On : 2 Nov 2011 9:20 am
Operator : 209
Sample : STD VMS 40 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:27:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:26:13 2011
Response via : Initial Calibration

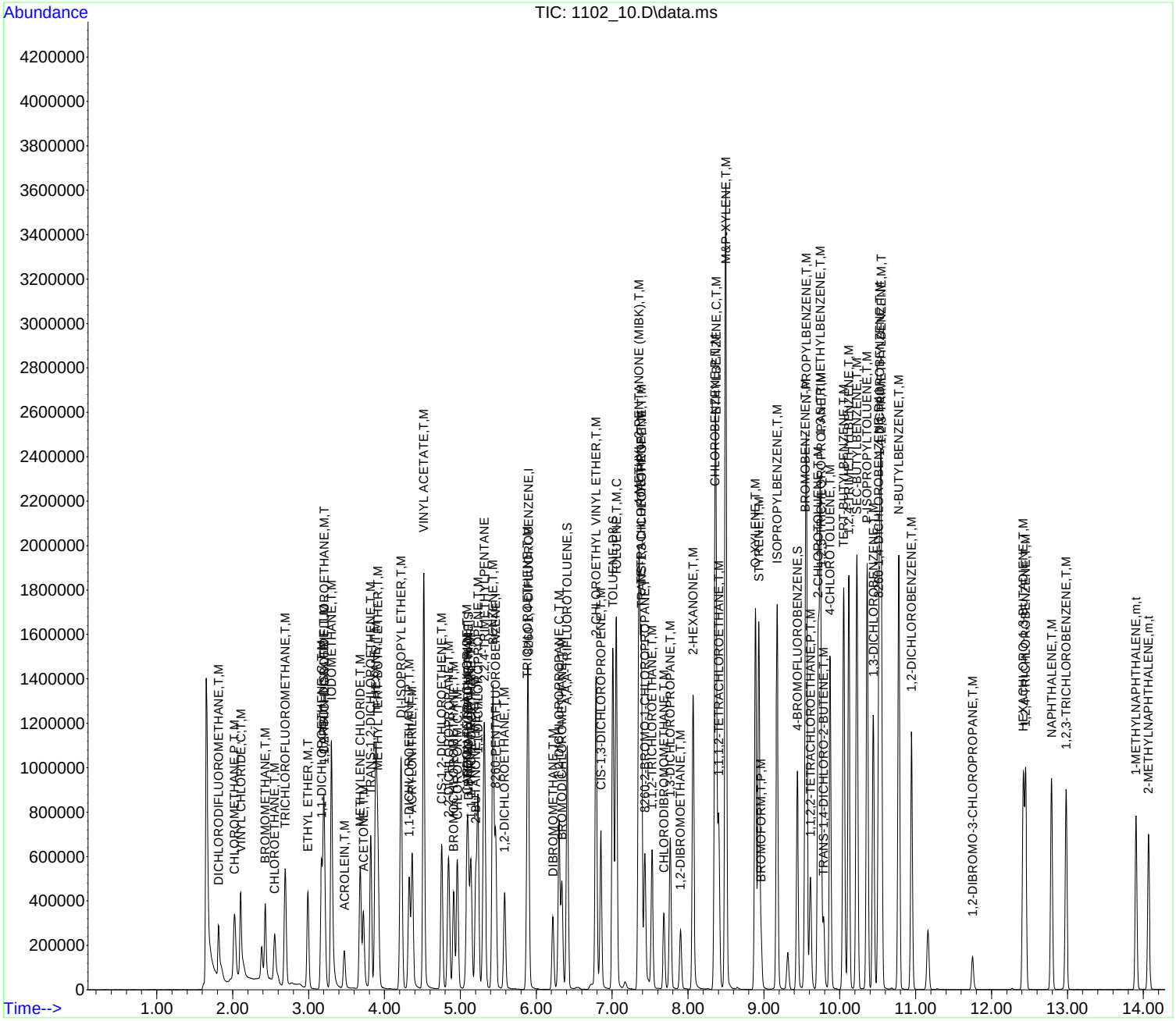
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d	
99)	PROPIONITRILE	0.000		0	N.D.	d	
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	d	
104)	ISOBUTANOL	0.000		0	N.D.		
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.	d	
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.	d	
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.	d	
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
118)	CYCLOHEXANONE	0.000		0	N.D.	d	
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_10.D
Acq On : 2 Nov 2011 9:20 am
Operator : 209
Sample : STD VMS 40 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 10 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:27:32 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:26:13 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_11.D
Acq On : 2 Nov 2011 9:42 am
Operator : 209
Sample : STD VMS 75 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:27:53 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:27:46 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	464823	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	850774	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	139981	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	352924	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	465607	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	850774	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	139981	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	352924	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	275241	48.3994185	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 121.00%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	498273	45.5355956	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 113.84%			
46) TOLUENE-D8	7.010	98	1212287	46.1193485	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 115.30%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 115.36%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	46186952m	Below Cal		
3) DICHLORODIFLUOROMETHANE	1.814	85	543487	66.1983314	ppb	99
4) CHLOROMETHANE	2.023	50	708521	59.0306794	ppb	100
5) VINYL CHLORIDE	2.103	62	771746	64.9198432	ppb	98
6) BROMOMETHANE	2.428	94	404378	61.2011749	ppb	98
7) CHLOROETHANE	2.547	64	439173	62.1650980	ppb	99
8) TRICHLOROFLUOROMETHANE	2.689	101	846103	61.4805401	ppb	100
9) ETHYL ETHER	2.988	59	459227	62.3595537	ppb	99
10) ACROLEIN	3.470	56	297608	366.7711585	ppb	99
11) 1,1-DICHLOROETHENE	3.168	96	402649	69.8230185	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	430295	69.0178823	ppb	99
13) ACETONE	3.724	43	739292	247.6880489	ppb	98
14) IODOMETHANE	3.299	142	2856821	413.4781436	ppb	100
15) CARBON DISULFIDE	3.197	76	1234301	75.4437421	ppb	99
16) METHYLENE CHLORIDE	3.679	84	484337	47.9467369	ppb	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_11.D
Acq On : 2 Nov 2011 9:42 am
Operator : 209
Sample : STD VMS 75 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:27:53 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:27:46 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	920189	354.7066650	ppb		99
18) n-HEXANE	3.885	56	529426	67.6539434	ppb		97
19) TRANS-1,2-DICHLOROETHENE	3.817	96	482775	69.8019920	ppb		99
20) METHYL TERT-BUTYL ETHER	3.910	73	1281134	73.2353689	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	971530	71.0402947	ppb		100
22) VINYL ACETATE	4.515	43	5363112	387.9767298	ppb		99
23) DI-ISOPROPYL ETHER	4.216	45	1851133	74.7439310	ppb		99
24) 2,2-DICHLOROPROPANE	4.846	77	718564	76.6197360	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.753	96	533785	69.7850643	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	310612	341.3949753	ppb		99
27) BROMOCHLOROMETHANE	4.910	130	259844	68.0126147	ppb		99
28) TETRAHYDROFURAN	5.097	42	153115	68.1291226	ppb		98
29) CHLOROFORM	4.962	83	860629	69.5189757	ppb		100
31) 1,1,1-TRICHLOROETHANE	5.139	97	722575	72.5200365	ppb		98
32) CARBON TETRACHLORIDE	5.087	117	588535	68.5667222	ppb		98
33) 1,1-DICHLOROPROPENE	5.232	75	771201	70.3385056	ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.312	57	2461933	72.6019752	ppb		99
35) BENZENE	5.428	78	2236289	68.0702395	ppb		99
36) 1,2-DICHLOROETHANE	5.582	62	647369	67.0467868	ppb		99
38) TRICHLOROETHENE	5.881	130	499806	69.4430308	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.299	62	417372	72.8707957	ppb		99
40) DIBROMOMETHANE	6.219	93	263301	70.6360633	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	625571	79.2215327	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	1221533	457.1832958	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	807032	71.4337086	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	1027004	384.6599824	ppb		96
47) TOLUENE	7.055	91	2365462	66.3611211	ppb		99
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	174658	74.4467677	ppb		93
50) 1,1,2-TRICHLOROETHANE	7.528	97	399786	66.4208619	ppb		99
51) TETRACHLOROETHENE	7.380	164	390090	67.6675865	ppb		99
52) 1,3-DICHLOROPROPANE	7.765	76	791397	65.9250999	ppb		99
53) 2-HEXANONE	8.068	58	975072	397.7472480	ppb		99
54) CHLORODIBROMOMETHANE	7.682	129	376552	74.7136283	ppb		100
55) 1,2-DIBROMOETHANE	7.901	107	380040	72.1546421	ppb		98
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	408296	77.1834960	ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_11.D
Acq On : 2 Nov 2011 9:42 am
Operator : 209
Sample : STD VMS 75 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:27:53 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:27:46 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58) ETHYLBENZENE	8.370	106	838489	74.3080136	ppb		100
59) M&P-XYLENE	8.499	106	2072644	146.9492212	ppb		99
60) O-XYLENE	8.888	106	960976	73.8925321	ppb		99
61) STYRENE	8.933	104	1632455	79.1680696	ppb		100
62) BROMOFORM	8.965	173	206486	78.4172629	ppb		98
63) ISOPROPYLBENZENE	9.174	105	2387143	74.5869163	ppb		100
65) BROMOBENZENE	9.547	77	1156408	68.1586746	ppb		99
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	541459	68.9645466	ppb		99
67) 1,2,3-TRICHLOROPROPANE	9.753	110	159921	70.1146965	ppb		98
68) TRANS-1,4-DICHLORO-2-B...	9.788	53	147055	76.1992553	ppb	#	88
69) N-PROPYLBENZENE	9.560	91	3237067	71.2122984	ppb		100
70) 2-CHLOROTOLUENE	9.717	91	2052315	70.3539138	ppb		99
71) 4-CHLOROTOLUENE	9.871	91	1836443	69.9067569	ppb		100
72) 1,3,5-TRIMETHYLBENZENE	9.743	105	2140128	74.0866968	ppb		99
73) TERT-BUTYLBENZENE	10.052	119	1810845	74.0535878	ppb		99
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	2140793	73.2220356	ppb		100
75) SEC-BUTYLBENZENE	10.225	105	2867004	72.3421855	ppb		99
76) 1,3-DICHLOROBENZENE	10.444	146	1020592	67.6317977	ppb		100
77) P-ISOPROPYLTOLUENE	10.360	119	2302443	75.9514398	ppb		100
79) 1,4-DICHLOROBENZENE	10.527	146	1046174	67.2056312	ppb	#	51
80) 1,2,3-TRIMETHYLBENZENE	10.547	105	2310087	71.7971165	ppb		99
81) 1,2-DICHLOROBENZENE	10.945	146	946888	69.5405636	ppb		100
82) N-BUTYLBENZENE	10.778	91	2296079	74.4526126	ppb		100
83) 1,2-DIBROMO-3-CHLOROPR...	11.749	157	73203	73.9246197	ppb		98
84) 1,2,4-TRICHLOROBENZENE	12.450	180	604254	73.9261815	ppb		99
85) HEXACHLORO-1,3-BUTADIENE	12.418	225	372522	71.6647489	ppb		100
86) NAPHTHALENE	12.791	128	1502876	69.4347842	ppb		100
87) 1,2,3-TRICHLOROBENZENE	12.981	180	552385	72.3394827	ppb		100
88) 1-METHYLNAPHTHALENE	13.903	142	761214	73.5975034	ppb		99
91) ETHANOL	0.000		0	N.D.			
92) BROMOETHANE	3.438	108	691	No Calib			
93) METHYL ACETATE	3.827	43	50160	No Calib		#	
94) ACETONITRILE	4.074	41	1438	No Calib		#	
95) ALLYL CHLORIDE	3.496	76	489	No Calib		#	
96) TERT-BUTYL ALCOHOL	3.907	59	4016	No Calib		#	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_11.D
Acq On : 2 Nov 2011 9:42 am
Operator : 209
Sample : STD VMS 75 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:27:53 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

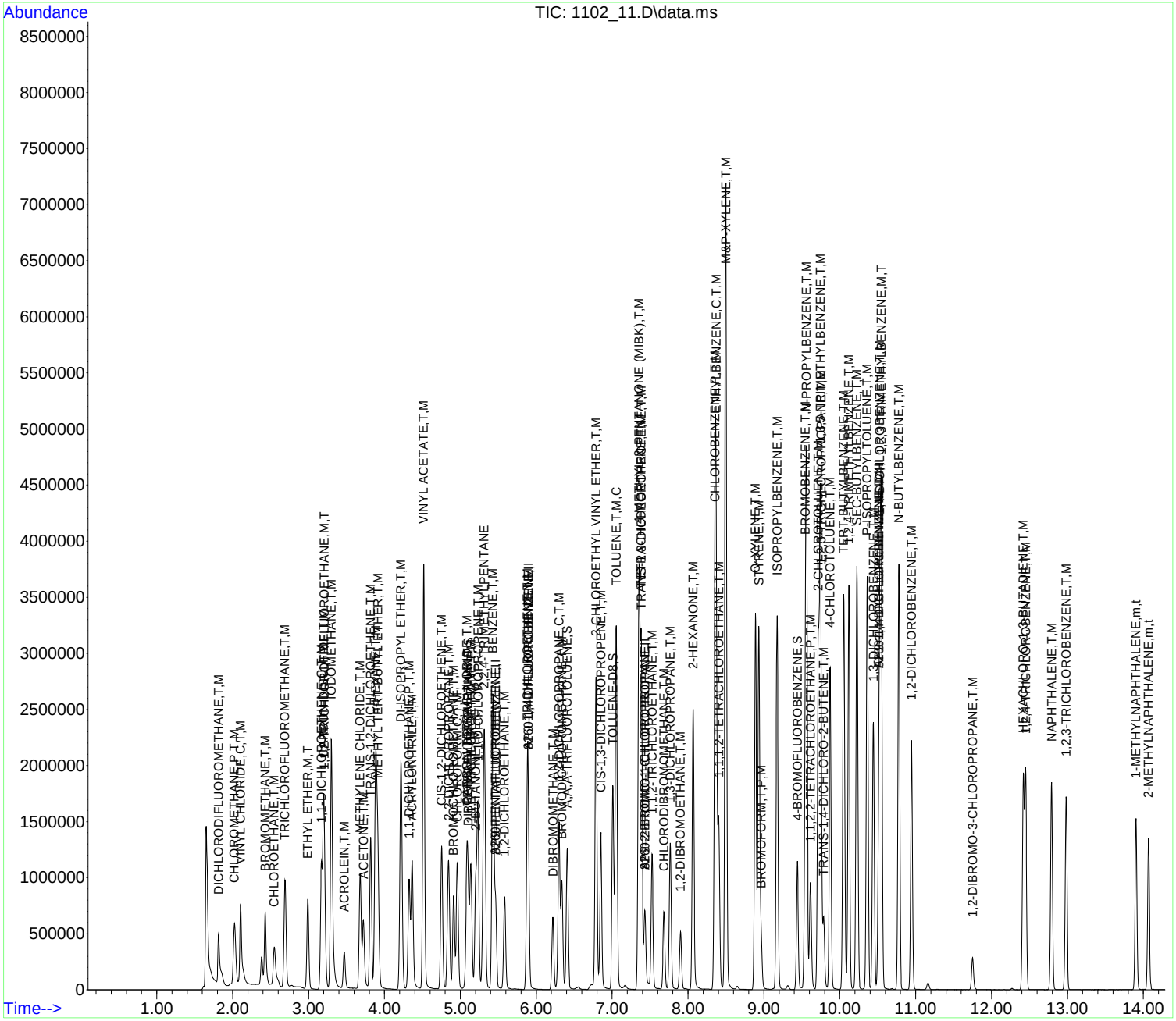
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	920189	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	4992	No Calib	#
99)	PROPIONITRILE	5.309	54	7024	No Calib	
100)	ETHYL ACETATE	5.049	43	12289	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1471	No Calib	#
102)	CYCLOHEXANE	4.923	56	239	No Calib	#
103)	TERT-BUTYL FORMATE	5.229	59	3469	No Calib	#
104)	ISOBUTANOL	0.000		0	N.D.	
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	37750	No Calib	#
108)	N-BUTANOL	6.161	56	408	No Calib	#
109)	METHYL CYCLOHEXANE	5.891	83	16671	No Calib	#
110)	2-NITROPROPANE	7.354	43	2619815	No Calib	
111)	METHYL METHACRYLATE	6.531	41	2803	No Calib	#
112)	1,4-DIOXANE	6.405	88	6273	No Calib	#
113)	N-OCTANE	6.852	85	9967	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	247	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	18846	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	15875	No Calib	
118)	CYCLOHEXANONE	9.788	55	3530	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	69413	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	21642	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_11.D
Acq On : 2 Nov 2011 9:42 am
Operator : 209
Sample : STD VMS 75 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:27:53 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:27:46 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_11.D
Acq On : 2 Nov 2011 9:42 am
Operator : 209
Sample : STD VMS 75 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:28:49 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:27:46 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	464823	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	850774	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	139981	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	352924	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	275241	48.3994185	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 121.00%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	498273	45.5355956	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 113.84%			
46) TOLUENE-D8	7.010	98	1212287	46.1193485	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 115.30%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 115.36%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	46186952m	Below Cal		
3) DICHLORODIFLUOROMETHANE	1.814	85	543487	66.1983314	ppb	99
4) CHLOROMETHANE	2.023	50	708521	59.0306794	ppb	100
5) VINYL CHLORIDE	2.103	62	771746	64.9198432	ppb	98
6) BROMOMETHANE	2.428	94	404378	61.2011749	ppb	98
7) CHLOROETHANE	2.547	64	439173	62.1650980	ppb	99
8) TRICHLOROFLUOROMETHANE	2.689	101	846103	61.4805401	ppb	100
9) ETHYL ETHER	2.988	59	459227	62.3595537	ppb	99
10) ACROLEIN	3.470	56	297608	366.7711585	ppb	99
11) 1,1-DICHLOROETHENE	3.168	96	402649	69.8230185	ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.206	101	430295	69.0178823	ppb	99
13) ACETONE	3.724	43	739292	247.6880489	ppb	98
14) IODOMETHANE	3.299	142	2856821	413.4781436	ppb	100
15) CARBON DISULFIDE	3.197	76	1234301	75.4437421	ppb	99
16) METHYLENE CHLORIDE	3.679	84	484337	47.9467369	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_11.D
Acq On : 2 Nov 2011 9:42 am
Operator : 209
Sample : STD VMS 75 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:28:49 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:27:46 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	920189	354.7066650	ppb		99
18)	n-HEXANE	3.885	56	529426	67.6539434	ppb		97
19)	TRANS-1,2-DICHLOROETHENE	3.817	96	482775	69.8019920	ppb		99
20)	METHYL TERT-BUTYL ETHER	3.910	73	1281134	73.2353689	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	971530	71.0402947	ppb		100
22)	VINYL ACETATE	4.515	43	5363112	387.9767298	ppb		99
23)	DI-ISOPROPYL ETHER	4.216	45	1851133	74.7439310	ppb		99
24)	2,2-DICHLOROPROPANE	4.846	77	718564	76.6197360	ppb		100
25)	CIS-1,2-DICHLOROETHENE	4.753	96	533785	69.7850643	ppb		100
26)	2-BUTANONE (MEK)	5.203	72	310612	341.3949753	ppb		99
27)	BROMOCHLOROMETHANE	4.910	130	259844	68.0126147	ppb		99
28)	TETRAHYDROFURAN	5.097	42	153115	68.1291226	ppb		98
29)	CHLOROFORM	4.962	83	860629	69.5189757	ppb		100
31)	1,1,1-TRICHLOROETHANE	5.139	97	722575	72.5200365	ppb		98
32)	CARBON TETRACHLORIDE	5.087	117	588535	68.5667222	ppb		98
33)	1,1-DICHLOROPROPENE	5.232	75	771201	70.3385056	ppb		100
34)	2,2,4-TRIMETHYLPENTANE	5.312	57	2461933	72.6019752	ppb		99
35)	BENZENE	5.428	78	2236289	68.0702395	ppb		99
36)	1,2-DICHLOROETHANE	5.582	62	647369	67.0467868	ppb		99
38)	TRICHLOROETHENE	5.881	130	499806	69.4430308	ppb	#	100
39)	1,2-DICHLOROPROPANE	6.299	62	417372	72.8707957	ppb		99
40)	DIBROMOMETHANE	6.219	93	263301	70.6360633	ppb		99
41)	BROMODICHLOROMETHANE	6.338	83	625571	79.2215327	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	1221533	457.1832958	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	807032	71.4337086	ppb		100
45)	4-METHYL-2-PENTANONE (...	7.354	58	1027004	384.6599824	ppb		96
47)	TOLUENE	7.055	91	2365462	66.3611211	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.386	110	174658	74.4467677	ppb		93
50)	1,1,2-TRICHLOROETHANE	7.528	97	399786	66.4208619	ppb		99
51)	TETRACHLOROETHENE	7.380	164	390090	67.6675865	ppb		99
52)	1,3-DICHLOROPROPANE	7.765	76	791397	65.9250999	ppb		99
53)	2-HEXANONE	8.068	58	975072	397.7472480	ppb		99
54)	CHLORODIBROMOMETHANE	7.682	129	376552	74.7136283	ppb		100
55)	1,2-DIBROMOETHANE	7.901	107	380040	72.1546421	ppb		98
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	408296	77.1834960	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_11.D
Acq On : 2 Nov 2011 9:42 am
Operator : 209
Sample : STD VMS 75 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:28:49 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:27:46 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	838489	74.3080136	ppb		100
59)	M&P-XYLENE	8.499	106	2072644	146.9492212	ppb		99
60)	O-XYLENE	8.888	106	960976	73.8925321	ppb		99
61)	STYRENE	8.933	104	1632455	79.1680696	ppb		100
62)	BROMOFORM	8.965	173	206486	78.4172629	ppb		98
63)	ISOPROPYLBENZENE	9.174	105	2387143	74.5869163	ppb		100
65)	BROMOBENZENE	9.547	77	1156408	68.1586746	ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	541459	68.9645466	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.753	110	159921	70.1146965	ppb		98
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	147055	76.1992553	ppb	#	88
69)	N-PROPYLBENZENE	9.560	91	3237067	71.2122984	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	2052315	70.3539138	ppb		99
71)	4-CHLOROTOLUENE	9.871	91	1836443	69.9067569	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	2140128	74.0866968	ppb		99
73)	TERT-BUTYLBENZENE	10.052	119	1810845	74.0535878	ppb		99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	2140793	73.2220356	ppb		100
75)	SEC-BUTYLBENZENE	10.225	105	2867004	72.3421855	ppb		99
76)	1,3-DICHLOROBENZENE	10.444	146	1020592	67.6317977	ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	2302443	75.9514398	ppb		100
79)	1,4-DICHLOROBENZENE	10.527	146	1046174	67.2056312	ppb	#	51
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	2310087	71.7971165	ppb		99
81)	1,2-DICHLOROBENZENE	10.945	146	946888	69.5405636	ppb		100
82)	N-BUTYLBENZENE	10.778	91	2296079	74.4526126	ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	73203	73.9246197	ppb		98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	604254	73.9261815	ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	372522	71.6647489	ppb		100
86)	NAPHTHALENE	12.791	128	1502876	69.4347842	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.981	180	552385	72.3394827	ppb		100
88)	1-METHYLNAPHTHALENE	13.903	142	761214	73.5975034	ppb		99
91)	ETHANOL	0.000		0	N.D.			
92)	BROMOETHANE	0.000		0	N.D. d			
93)	METHYL ACETATE	0.000		0	N.D. d			
94)	ACETONITRILE	0.000		0	N.D. d			
95)	ALLYL CHLORIDE	0.000		0	N.D. d			
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D. d			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_11.D
Acq On : 2 Nov 2011 9:42 am
Operator : 209
Sample : STD VMS 75 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 11 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:28:49 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:27:46 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d	
99)	PROPIONITRILE	0.000		0	N.D.	d	
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.	d	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	d	
104)	ISOBUTANOL	0.000		0	N.D.		
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.	d	
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.	d	
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.	d	
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
118)	CYCLOHEXANONE	0.000		0	N.D.	d	
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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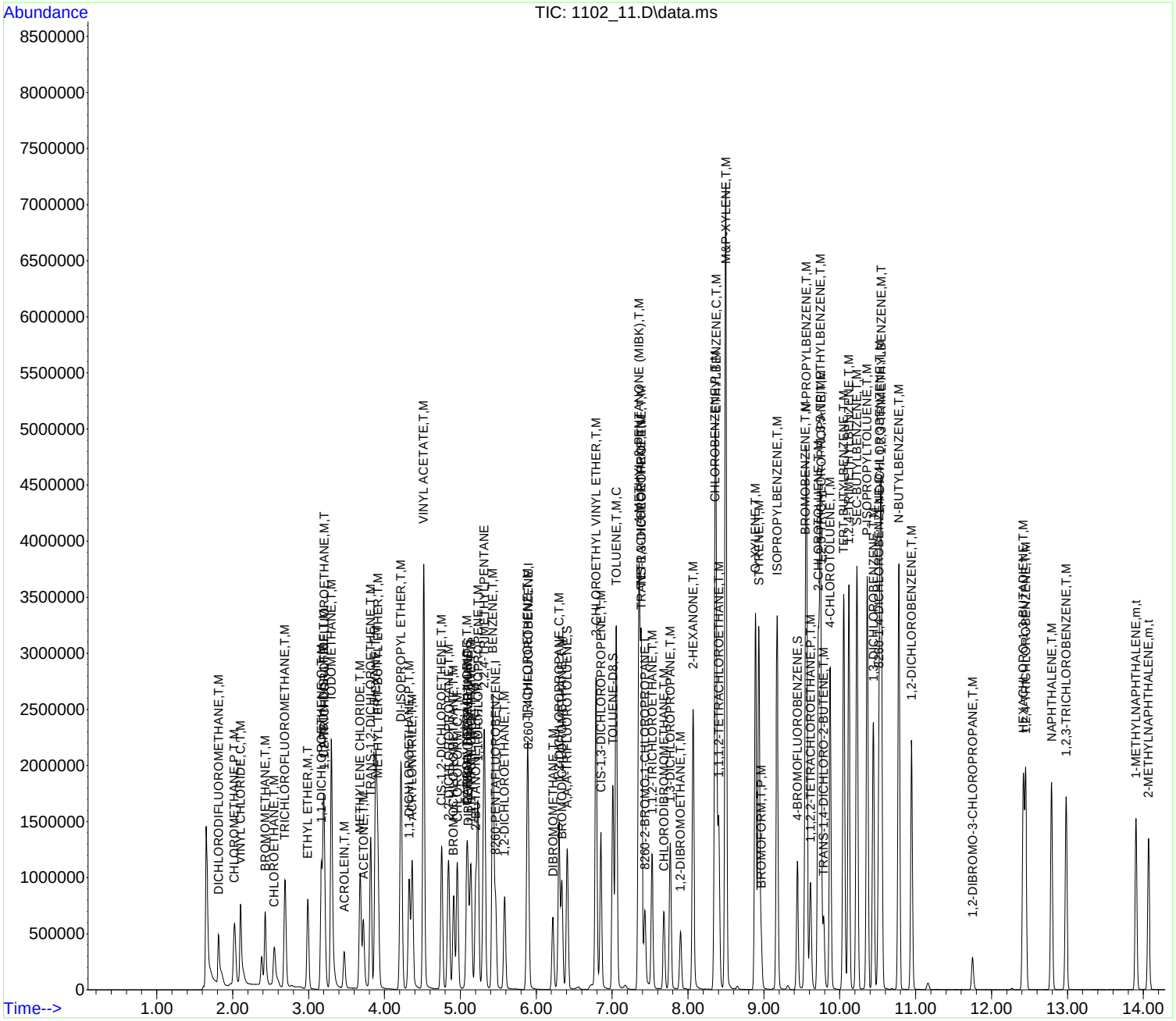
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:27:46 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:29:12 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:29:06 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 8260-PENTAFLUOROBENZENE	5.463	168	455351	40.0000000 ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	831761	40.0000000 ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	137142	40.0000000 ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	347366	40.0000000 ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	457103	40.0000000 ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	831761	40.0000000 ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	137142	40.0000000 ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	347366	40.0000000 ppb	0.00
System Monitoring Compounds					
30) DIBROMOFLUOROMETHANE	5.103	111	274955	49.1718527 ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 122.93%		
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	510743	47.9287930 ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 119.82%#		
46) TOLUENE-D8	7.010	98	1215383	47.4050827 ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 118.51%#		
Spiked Amount 40.000	Range 59 - 140		Recovery = 117.05%		
Target Compounds					Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	70776544m	Below Cal	
3) DICHLORODIFLUOROMETHANE	1.814	85	734466	92.6806229 ppb	99
4) CHLOROMETHANE	2.023	50	964036	84.2316310 ppb	100
5) VINYL CHLORIDE	2.103	62	1052555	91.9279200 ppb	98
6) BROMOMETHANE	2.428	94	524873	82.9989031 ppb	99
7) CHLOROETHANE	2.544	64	543430	80.2392633 ppb	98
8) TRICHLOROFLUOROMETHANE	2.688	101	1114949	84.6074100 ppb	100
9) ETHYL ETHER	2.988	59	617276	87.4064544 ppb	99
10) ACROLEIN	3.470	56	429279	541.5323650 ppb	99
11) 1,1-DICHLOROETHENE	3.168	96	549654	98.1445495 ppb	99
12) 1,1,2-TRICHLOROTRIFLUO...	3.203	101	587611	97.1803129 ppb	99
13) ACETONE	3.724	43	1089007	388.9500383 ppb	98
14) IODOMETHANE	3.299	142	4013644	585.4837284 ppb	100
15) CARBON DISULFIDE	3.197	76	1741064	108.2428641 ppb	99
16) METHYLENE CHLORIDE	3.679	84	661626	70.0168045 ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:29:12 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:29:06 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	1324845	524.8635815	ppb		99
18) n-HEXANE	3.885	56	716239	94.5882524	ppb		96
19) TRANS-1,2-DICHLOROETHENE	3.817	96	664338	98.9081980	ppb		100
20) METHYL TERT-BUTYL ETHER	3.910	73	1802412	105.4874675	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	1331560	100.0521034	ppb		100
22) VINYL ACETATE	4.518	43	7292392	536.1985181	ppb		99
23) DI-ISOPROPYL ETHER	4.216	45	2561598	105.6272542	ppb		98
24) 2,2-DICHLOROPROPANE	4.846	77	990840	107.5596095	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.753	96	725401	97.6577644	ppb		100
26) 2-BUTANONE (MEK)	5.203	72	453416	514.4809857	ppb		98
27) BROMOCHLOROMETHANE	4.910	130	356826	96.4632530	ppb		98
28) TETRAHYDROFURAN	5.097	42	222721	102.3339038	ppb		97
29) CHLOROFORM	4.962	83	1180667	98.2520583	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	991661	102.0183766	ppb		98
32) CARBON TETRACHLORIDE	5.087	117	819084	98.4674194	ppb		98
33) 1,1-DICHLOROPROPENE	5.232	75	1048903	98.4213851	ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	3373918	101.9734871	ppb		99
35) BENZENE	5.428	78	3057861	96.1243740	ppb		99
36) 1,2-DICHLOROETHANE	5.582	62	888870	95.2359363	ppb		99
38) TRICHLOROETHENE	5.881	130	689958	98.9706730	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.299	62	575159	103.0807781	ppb		99
40) DIBROMOMETHANE	6.219	93	364233	100.6790691	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	868988	111.7766580	ppb		99
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	1761526	656.3759445	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	1124403	104.1867298	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	1493274	570.2481077	ppb		96
47) TOLUENE	7.055	91	3233842	94.1522437	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	247260	108.0517391	ppb		93
50) 1,1,2-TRICHLOROETHANE	7.524	97	560718	96.4660836	ppb		98
51) TETRACHLOROETHENE	7.380	164	544101	97.5290696	ppb		100
52) 1,3-DICHLOROPROPANE	7.765	76	1105096	95.4055919	ppb		99
53) 2-HEXANONE	8.068	58	1436165	593.4619371	ppb		98
54) CHLORODIBROMOMETHANE	7.682	129	533846	108.2251039	ppb		99
55) 1,2-DIBROMOETHANE	7.901	107	539276	105.0047901	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	575462	110.6335851	ppb		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:29:12 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:29:06 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	1160524	105.0974520	ppb		100
59)	M&P-XYLENE	8.499	106	2901699	210.5227661	ppb		97
60)	O-XYLENE	8.888	106	1332526	104.7766877	ppb		100
61)	STYRENE	8.933	104	2291234	112.6342254	ppb		99
62)	BROMOFORM	8.962	173	304161	115.0516853	ppb		99
63)	ISOPROPYLBENZENE	9.174	105	3278895	104.6428217	ppb		99
65)	BROMOBENZENE	9.547	77	1607073	97.7967970	ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	761243	99.9707525	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.753	110	230098	103.8163113	ppb		99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	210724	111.2285722	ppb	#	83
69)	N-PROPYLBENZENE	9.560	91	4496034	101.5972224	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	2826454	99.6691640	ppb		99
71)	4-CHLOROTOLUENE	9.875	91	2533987	99.2994964	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	2973215	105.2172595	ppb		100
73)	TERT-BUTYLBENZENE	10.052	119	2485292	103.9026054	ppb		99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	2958647	103.5971317	ppb		100
75)	SEC-BUTYLBENZENE	10.225	105	3947820	102.1285922	ppb		99
76)	1,3-DICHLOROBENZENE	10.444	146	1412837	96.7510629	ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	3203534	107.6928684	ppb		99
79)	1,4-DICHLOROBENZENE	10.527	146	1460620	96.5854233	ppb	#	42
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	3210513	101.9228405	ppb		99
81)	1,2-DICHLOROBENZENE	10.945	146	1309147	98.5806446	ppb		99
82)	N-BUTYLBENZENE	10.778	91	3170130	104.5346973	ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	110766	114.2753077	ppb		98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	857876	106.8255396	ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	523958	102.9828457	ppb		100
86)	NAPHTHALENE	12.791	128	2197076	107.0346093	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	786376	105.0963628	ppb		100
88)	1-METHYLNAPHTHALENE	13.903	142	1144222	113.2664178	ppb		100
89)	2-METHYLNAPHTHALENE	14.067	142	1004760	109.7264158	ppb		99
91)	ETHANOL	0.000		0	N.D.			
92)	BROMOETHANE	3.447	108	1651	No Calib			
93)	METHYL ACETATE	3.827	43	77065	No Calib		#	
94)	ACETONITRILE	4.068	41	2636	No Calib		#	
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	3.910	59	4777	No Calib		#	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:29:12 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

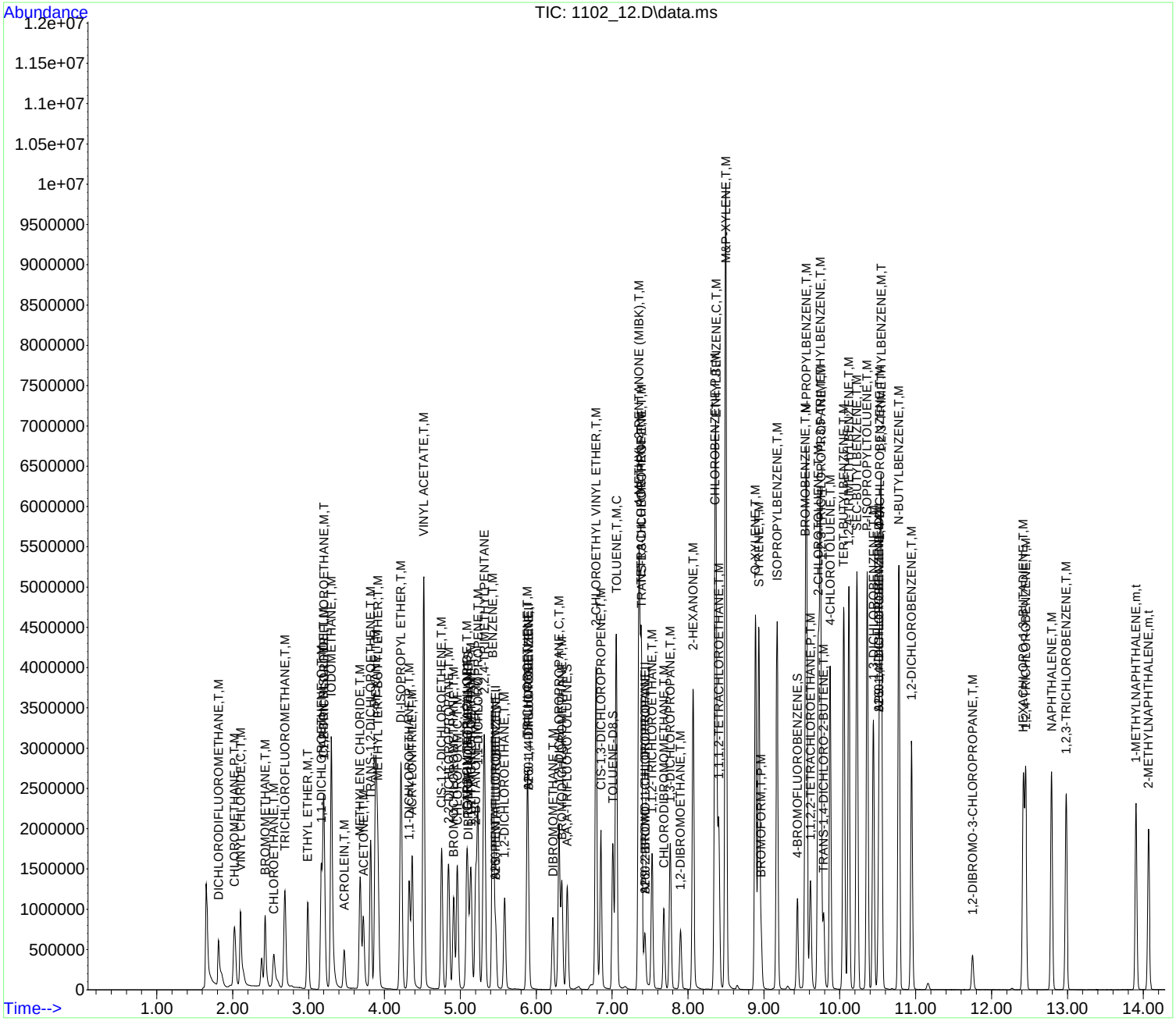
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	1324845	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	7319	No Calib	#
99)	PROPIONITRILE	5.312	54	9388	No Calib	
100)	ETHYL ACETATE	5.049	43	14781	No Calib	#
101)	METHACRYLONITRILE	5.457	67	1709	No Calib	#
102)	CYCLOHEXANE	4.926	56	215	No Calib	#
103)	TERT-BUTYL FORMATE	5.232	59	4937	No Calib	#
104)	ISOBUTANOL	5.585	43	187	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	51102	No Calib	#
108)	N-BUTANOL	6.158	56	707	No Calib	#
109)	METHYL CYCLOHEXANE	5.894	83	18427	No Calib	#
110)	2-NITROPROPANE	7.354	43	3792006	No Calib	
111)	METHYL METHACRYLATE	6.528	41	3518	No Calib	#
112)	1,4-DIOXANE	6.409	88	6515	No Calib	#
113)	N-OCTANE	6.852	85	14816	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.003	59	315	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	27446	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	22471	No Calib	
118)	CYCLOHEXANONE	9.785	55	4775	No Calib	#
119)	PENTACHLOROETHANE	10.052	117	94375	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	28811	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:29:12 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:29:06 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:29:06 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	455351	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	831761	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.434	79	137142	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	347366	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107)	AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115)	AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121)	AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.103	111	274955	49.1718527	ppb	0.00
	Spiked Amount 40.000	Range 63 - 139		Recovery = 122.93%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	510743	47.9287930	ppb	0.00
	Spiked Amount 40.000	Range 80 - 118		Recovery = 119.82%#			
46)	TOLUENE-D8	7.010	98	1215383	47.4050827	ppb	0.00
	Spiked Amount 40.000	Range 84 - 116		Recovery = 118.51%#			
	Spiked Amount 40.000	Range 59 - 140		Recovery = 117.05%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	70776544m	Below Cal		
3)	DICHLORODIFLUOROMETHANE	1.814	85	734466	92.6806229	ppb	99
4)	CHLOROMETHANE	2.023	50	964036	84.2316310	ppb	100
5)	VINYL CHLORIDE	2.103	62	1052555	91.9279200	ppb	98
6)	BROMOMETHANE	2.428	94	524873	82.9989031	ppb	99
7)	CHLOROETHANE	2.544	64	543430	80.2392633	ppb	98
8)	TRICHLOROFLUOROMETHANE	2.688	101	1114949	84.6074100	ppb	100
9)	ETHYL ETHER	2.988	59	617276	87.4064544	ppb	99
10)	ACROLEIN	3.470	56	429279	541.5323650	ppb	99
11)	1,1-DICHLOROETHENE	3.168	96	549654	98.1445495	ppb	99
12)	1,1,2-TRICHLOROTRIFLUO...	3.203	101	587611	97.1803129	ppb	99
13)	ACETONE	3.724	43	1089007	388.9500383	ppb	98
14)	IODOMETHANE	3.299	142	4013644	585.4837284	ppb	100
15)	CARBON DISULFIDE	3.197	76	1741064	108.2428641	ppb	99
16)	METHYLENE CHLORIDE	3.679	84	661626	70.0168045	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:29:06 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	1324845	524.8635815 ppb		99
18) n-HEXANE	3.885	56	716239	94.5882524 ppb		96
19) TRANS-1,2-DICHLOROETHENE	3.817	96	664338	98.9081980 ppb		100
20) METHYL TERT-BUTYL ETHER	3.910	73	1802412	105.4874675 ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	1331560	100.0521034 ppb		100
22) VINYL ACETATE	4.518	43	7292392	536.1985181 ppb		99
23) DI-ISOPROPYL ETHER	4.216	45	2561598	105.6272542 ppb		98
24) 2,2-DICHLOROPROPANE	4.846	77	990840	107.5596095 ppb		100
25) CIS-1,2-DICHLOROETHENE	4.753	96	725401	97.6577644 ppb		100
26) 2-BUTANONE (MEK)	5.203	72	453416	514.4809857 ppb		98
27) BROMOCHLOROMETHANE	4.910	130	356826	96.4632530 ppb		98
28) TETRAHYDROFURAN	5.097	42	222721	102.3339038 ppb		97
29) CHLOROFORM	4.962	83	1180667	98.2520583 ppb		99
31) 1,1,1-TRICHLOROETHANE	5.139	97	991661	102.0183766 ppb		98
32) CARBON TETRACHLORIDE	5.087	117	819084	98.4674194 ppb		98
33) 1,1-DICHLOROPROPENE	5.232	75	1048903	98.4213851 ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.315	57	3373918	101.9734871 ppb		99
35) BENZENE	5.428	78	3057861	96.1243740 ppb		99
36) 1,2-DICHLOROETHANE	5.582	62	888870	95.2359363 ppb		99
38) TRICHLOROETHENE	5.881	130	689958	98.9706730 ppb	#	100
39) 1,2-DICHLOROPROPANE	6.299	62	575159	103.0807781 ppb		99
40) DIBROMOMETHANE	6.219	93	364233	100.6790691 ppb		99
41) BROMODICHLOROMETHANE	6.338	83	868988	111.7766580 ppb		99
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	1761526	656.3759445 ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	1124403	104.1867298 ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	1493274	570.2481077 ppb		96
47) TOLUENE	7.055	91	3233842	94.1522437 ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.386	110	247260	108.0517391 ppb		93
50) 1,1,2-TRICHLOROETHANE	7.524	97	560718	96.4660836 ppb		98
51) TETRACHLOROETHENE	7.380	164	544101	97.5290696 ppb		100
52) 1,3-DICHLOROPROPANE	7.765	76	1105096	95.4055919 ppb		99
53) 2-HEXANONE	8.068	58	1436165	593.4619371 ppb		98
54) CHLORODIBROMOMETHANE	7.682	129	533846	108.2251039 ppb		99
55) 1,2-DIBROMOETHANE	7.901	107	539276	105.0047901 ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	575462	110.6335851 ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:29:06 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	1160524	105.0974520	ppb		100
59)	M&P-XYLENE	8.499	106	2901699	210.5227661	ppb		97
60)	O-XYLENE	8.888	106	1332526	104.7766877	ppb		100
61)	STYRENE	8.933	104	2291234	112.6342254	ppb		99
62)	BROMOFORM	8.962	173	304161	115.0516853	ppb		99
63)	ISOPROPYLBENZENE	9.174	105	3278895	104.6428217	ppb		99
65)	BROMOBENZENE	9.547	77	1607073	97.7967970	ppb		99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	761243	99.9707525	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.753	110	230098	103.8163113	ppb		99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	210724	111.2285722	ppb	#	83
69)	N-PROPYLBENZENE	9.560	91	4496034	101.5972224	ppb		100
70)	2-CHLOROTOLUENE	9.717	91	2826454	99.6691640	ppb		99
71)	4-CHLOROTOLUENE	9.875	91	2533987	99.2994964	ppb		100
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	2973215	105.2172595	ppb		100
73)	TERT-BUTYLBENZENE	10.052	119	2485292	103.9026054	ppb		99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	2958647	103.5971317	ppb		100
75)	SEC-BUTYLBENZENE	10.225	105	3947820	102.1285922	ppb		99
76)	1,3-DICHLOROBENZENE	10.444	146	1412837	96.7510629	ppb		100
77)	P-ISOPROPYLTOLUENE	10.360	119	3203534	107.6928684	ppb		99
79)	1,4-DICHLOROBENZENE	10.527	146	1460620	96.5854233	ppb	#	42
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	3210513	101.9228405	ppb		99
81)	1,2-DICHLOROBENZENE	10.945	146	1309147	98.5806446	ppb		99
82)	N-BUTYLBENZENE	10.778	91	3170130	104.5346973	ppb		100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	110766	114.2753077	ppb		98
84)	1,2,4-TRICHLOROBENZENE	12.450	180	857876	106.8255396	ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	523958	102.9828457	ppb		100
86)	NAPHTHALENE	12.791	128	2197076	107.0346093	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	786376	105.0963628	ppb		100
88)	1-METHYLNAPHTHALENE	13.903	142	1144222	113.2664178	ppb		100
89)	2-METHYLNAPHTHALENE	14.067	142	1004760	109.7264158	ppb		99
91)	ETHANOL	0.000		0	N.D.			
92)	BROMOETHANE	0.000		0	N.D. d			
93)	METHYL ACETATE	0.000		0	N.D. d			
94)	ACETONITRILE	0.000		0	N.D. d			
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D. d			

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:29:06 2011
Response via : Initial Calibration

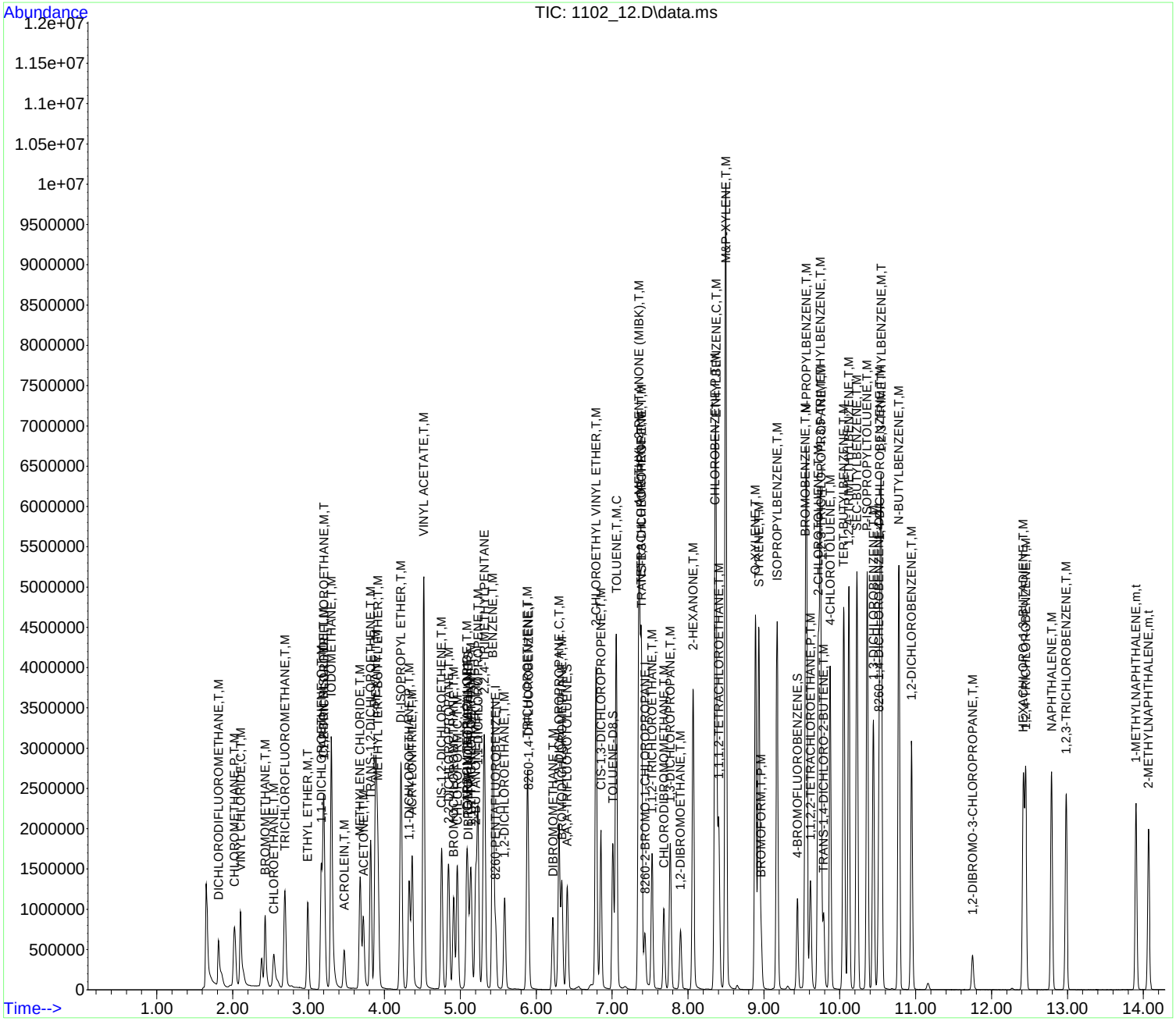
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d	
99)	PROPIONITRILE	0.000		0	N.D.	d	
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.	d	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	d	
104)	ISOBUTANOL	0.000		0	N.D.	d	
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.	d	
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.	d	
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.	d	
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
118)	CYCLOHEXANONE	0.000		0	N.D.	d	
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_12.D
Acq On : 2 Nov 2011 10:04 am
Operator : 209
Sample : STD VMS 100 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:09 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:29:06 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_13.D
Acq On : 2 Nov 2011 10:25 am
Operator : 209
Sample : STD VMS 200 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:30:23 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	457448	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	850007	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	137028	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.514	152	363021	40.0000000	ppb	# 0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	457448	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	850007	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	137028	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.514	152	363021	40.0000000	ppb	# 0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	286237	50.8169741	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 127.04%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	509582	46.8010708	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 117.00%			
46) TOLUENE-D8	7.010	98	1235809	47.2321424	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 118.08%#			
Spiked Amount 40.000	Range 59 - 140		Recovery = 121.82%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	168112518m	Below Cal		
3) DICHLORODIFLUOROMETHANE	1.814	85	1484046	187.9384210	ppb	99
4) CHLOROMETHANE	2.023	50	1997394	176.8181016	ppb	100
5) VINYL CHLORIDE	2.103	62	2146344	188.2865405	ppb	97
6) BROMOMETHANE	2.425	94	1080099	173.2880406	ppb	100
7) CHLOROETHANE	2.531	64	507904	76.3257869	ppb	99
8) TRICHLOROFLUOROMETHANE	2.679	101	2157543	165.8094795	ppb	100
9) ETHYL ETHER	2.987	59	1215519	173.7602175	ppb	99
10) ACROLEIN	3.470	56	919496	1144.0612604	ppb	100
11) 1,1-DICHLOROETHENE	3.164	96	1154503	205.6234735	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.200	101	1222725	201.9224019	ppb	99
13) ACETONE	3.724	43	1963678	715.7969772	ppb	97
14) IODOMETHANE	3.299	142	8566833	1220.7541245	ppb	100
15) CARBON DISULFIDE	3.193	76	3780466	226.1740502	ppb	99
16) METHYLENE CHLORIDE	3.679	84	1354862	147.6400606	ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_13.D
Acq On : 2 Nov 2011 10:25 am
Operator : 209
Sample : STD VMS 200 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:30:23 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	2706611	1061.4970609	ppb		100
18) n-HEXANE	3.881	56	1477584	195.4138298	ppb		96
19) TRANS-1,2-DICHLOROETHENE	3.814	96	1380096	204.7784360	ppb		99
20) METHYL TERT-BUTYL ETHER	3.910	73	3739172	216.5144400	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	2757595	206.2411803	ppb		100
22) VINYL ACETATE	4.515	43	15495663	1125.0991306	ppb		97
23) DI-ISOPROPYL ETHER	4.216	45	5239222	213.7122433	ppb		98
24) 2,2-DICHLOROPROPANE	4.843	77	2105241	225.5897781	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.753	96	1501702	201.7663169	ppb		99
26) 2-BUTANONE (MEK)	5.203	72	901486	1014.9408228	ppb		100
27) BROMOCHLOROMETHANE	4.910	130	721703	194.9748079	ppb		95
28) TETRAHYDROFURAN	5.097	42	455809	207.9318729	ppb		97
29) CHLOROFORM	4.958	83	2430795	201.7490121	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.135	97	2057111	210.1863879	ppb		97
32) CARBON TETRACHLORIDE	5.084	117	1730916	207.4841109	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	2197042	205.5698856	ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.312	57	6989396	209.8194255	ppb		98
35) BENZENE	5.428	78	6300996	198.0175894	ppb		98
36) 1,2-DICHLOROETHANE	5.582	62	1799868	192.9802331	ppb		99
38) TRICHLOROETHENE	5.881	130	1446255	203.2365333	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.299	62	1192823	208.4768011	ppb		100
40) DIBROMOMETHANE	6.219	93	762566	206.1037190	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	1863049	231.4683997	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	3740883	1318.1907252	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	2384987	212.3528754	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	3108463	1143.7176909	ppb		91
47) TOLUENE	7.055	91	6732589	193.0638977	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	553088	228.5975004	ppb		89
50) 1,1,2-TRICHLOROETHANE	7.527	97	1147632	198.3821553	ppb		99
51) TETRACHLOROETHENE	7.380	164	1182418	212.7064869	ppb		99
52) 1,3-DICHLOROPROPANE	7.765	76	2271583	197.2814721	ppb		99
53) 2-HEXANONE	8.068	58	2912257	1179.9178751	ppb		96
54) CHLORODIBROMOMETHANE	7.682	129	1161771	227.8137202	ppb		99
55) 1,2-DIBROMOETHANE	7.900	107	1111900	215.4847497	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	1232006	234.2842879	ppb		97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_13.D
Acq On : 2 Nov 2011 10:25 am
Operator : 209
Sample : STD VMS 200 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:30:23 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58)	ETHYLBENZENE	8.370	106	2524239	227.4976213	ppb		96
59)	M&P-XYLENE	8.498	106	6303007	455.0133844	ppb		95
60)	O-XYLENE	8.891	106	2841065	222.3987849	ppb		98
61)	STYRENE	8.936	104	4859847	235.7927490	ppb		99
62)	BROMOFORM	8.965	173	687760	244.8051778	ppb		99
63)	ISOPROPYLBENZENE	9.174	105	6957599	221.0893661	ppb		99
65)	BROMOBENZENE	9.547	77	3446915	210.4482011	ppb		98
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	1595527	209.7147998	ppb		99
67)	1,2,3-TRICHLOROPROPANE	9.752	110	484959	218.0626410	ppb		99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	446887	233.1720131	ppb	#	78
69)	N-PROPYLBENZENE	9.563	91	9462513	213.6239009	ppb		98
70)	2-CHLOROTOLUENE	9.717	91	6048752	213.5529161	ppb		99
71)	4-CHLOROTOLUENE	9.875	91	5356517	210.2444160	ppb		99
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	6455747	227.3306616	ppb		98
73)	TERT-BUTYLBENZENE	10.055	119	5387653	224.4557128	ppb		98
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	6295894	219.7560359	ppb		99
75)	SEC-BUTYLBENZENE	10.225	105	8382350	216.5165083	ppb		98
76)	1,3-DICHLOROBENZENE	10.444	146	3016321	207.4784581	ppb		100
77)	P-ISOPROPYLTOLUENE	10.363	119	6897814	230.1091203	ppb		99
79)	1,4-DICHLOROBENZENE	10.531	146	3168088	201.2231649	ppb	#	32
80)	1,2,3-TRIMETHYLBENZENE	10.550	105	6919623	209.7530103	ppb		98
81)	1,2-DICHLOROBENZENE	10.949	146	2785289	201.0085410	ppb		99
82)	N-BUTYLBENZENE	10.778	91	6662167	209.1566833	ppb		99
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	243285	226.5688824	ppb		97
84)	1,2,4-TRICHLOROBENZENE	12.450	180	1878687	222.1668885	ppb		99
85)	HEXACHLORO-1,3-BUTADIENE	12.421	225	1165073	218.3937063	ppb		100
86)	NAPHTHALENE	12.791	128	4633525	209.7865584	ppb		100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	1681984	213.8860916	ppb		99
88)	1-METHYLNAPHTHALENE	13.903	142	2474026	221.9296558	ppb		99
89)	2-METHYLNAPHTHALENE	14.067	142	2127994	213.5599086	ppb		99
91)	ETHANOL	3.132	45	2468	No Calib		#	
92)	BROMOETHANE	3.454	108	9849	No Calib			
93)	METHYL ACETATE	3.827	43	118799	No Calib		#	
94)	ACETONITRILE	4.071	41	5676	No Calib		#	
95)	ALLYL CHLORIDE	0.000		0	N.D.			
96)	TERT-BUTYL ALCOHOL	3.904	59	10279	No Calib		#	

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Misc : soil ISSURR10G08815
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	2708828	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	14782	No Calib	#
99)	PROPIONITRILE	5.312	54	19182	No Calib	
100)	ETHYL ACETATE	5.048	43	20504	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1700	No Calib	#
102)	CYCLOHEXANE	4.917	56	458	No Calib	#
103)	TERT-BUTYL FORMATE	5.232	59	8294	No Calib	#
104)	ISOBUTANOL	0.000		0	N.D.	
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	102813	No Calib	#
108)	N-BUTANOL	6.161	56	1049	No Calib	#
109)	METHYL CYCLOHEXANE	5.884	83	27798	No Calib	#
110)	2-NITROPROPANE	7.354	43	7638332	No Calib	
111)	METHYL METHACRYLATE	6.527	41	7245	No Calib	#
112)	1,4-DIOXANE	6.409	88	6412	No Calib	#
113)	N-OCTANE	6.852	85	29557	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.003	59	342	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	55401	No Calib	#
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	45069	No Calib	
118)	CYCLOHEXANONE	9.788	55	7592	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	202865	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	53939	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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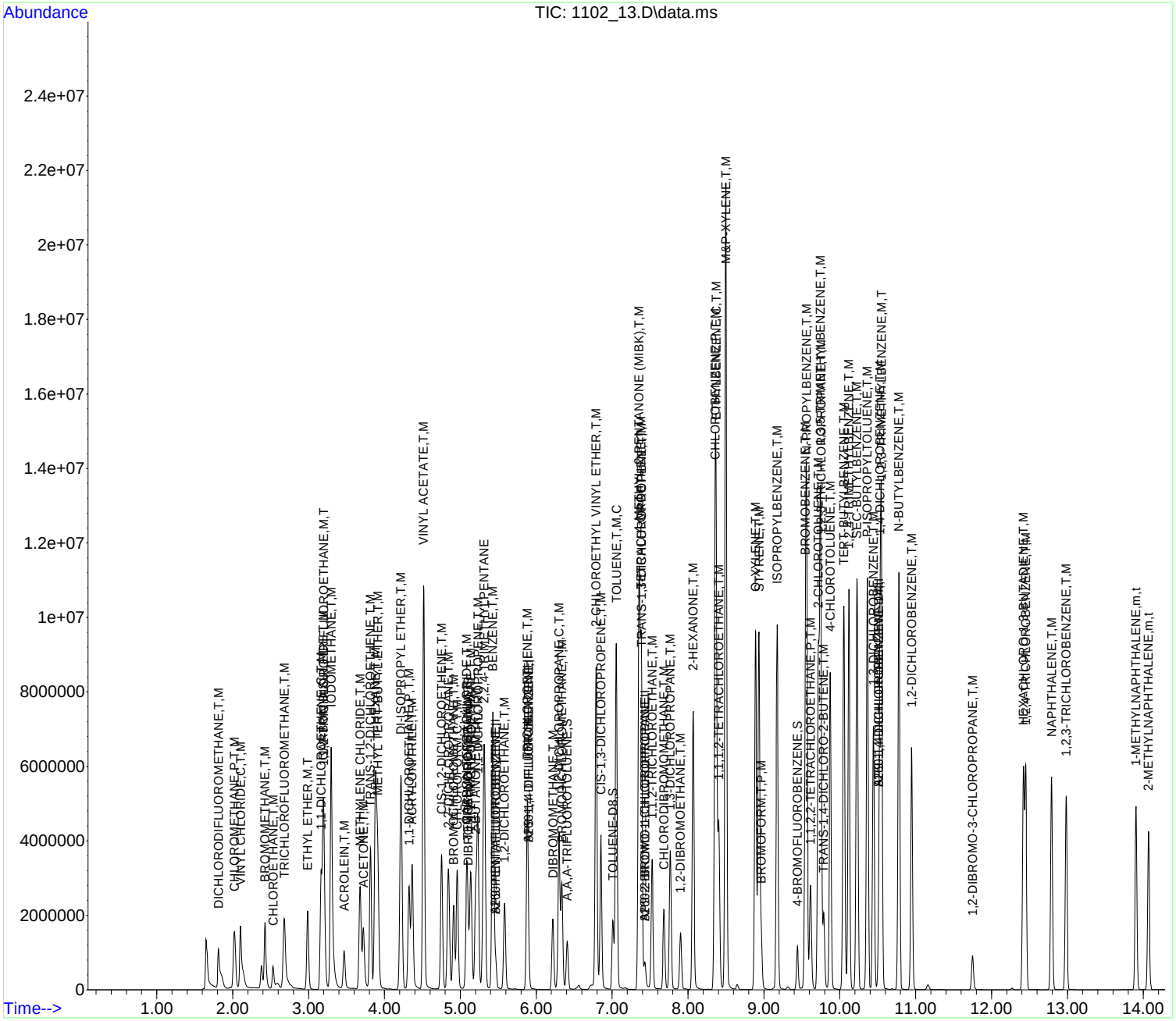
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:30:23 2011



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Data File : 1102_13.D
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Operator : 209
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Quant Time: Nov 02 13:32:01 2011
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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:30:23 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	457448	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	850007	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	137028	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.514	152	363021	40.0000000	ppb	# 0.00
90) AP9-PENTAFLUOROBENZENE	0.000	168	0m	40.0000000	ppb	-5.46
107) AP9-1,4-DIFLUOROBENZENE	0.000	114	0m	40.0000000	ppb	-5.90
115) AP9-2-BROMO-1-CHLOROPR...	0.000	79	0m	40.0000000	ppb	-7.43
121) AP9-1,4-DICHLOROBENZEN...	0.000	152	0m	40.0000000	ppb	-10.51
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.103	111	286237	50.8169741	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 127.04%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	509582	46.8010708	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 117.00%			
46) TOLUENE-D8	7.010	98	1235809	47.2321424	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 118.08%#			
Spiked Amount 40.000	Range 59 - 140		Recovery = 121.82%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	168112518m	Below Cal		
3) DICHLORODIFLUOROMETHANE	1.814	85	1484046	187.9384210	ppb	99
4) CHLOROMETHANE	2.023	50	1997394	176.8181016	ppb	100
5) VINYL CHLORIDE	2.103	62	2146344	188.2865405	ppb	97
6) BROMOMETHANE	2.425	94	1080099	173.2880406	ppb	100
7) CHLOROETHANE	2.531	64	739864m	111.1838103	ppb	
8) TRICHLOROFLUOROMETHANE	2.679	101	2157543	165.8094795	ppb	100
9) ETHYL ETHER	2.987	59	1215519	173.7602175	ppb	99
10) ACROLEIN	3.470	56	919496	1144.0612604	ppb	100
11) 1,1-DICHLOROETHENE	3.164	96	1154503	205.6234735	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.200	101	1222725	201.9224019	ppb	99
13) ACETONE	3.724	43	1963678	715.7969772	ppb	97
14) IODOMETHANE	3.299	142	8566833	1220.7541245	ppb	100
15) CARBON DISULFIDE	3.193	76	3780466	226.1740502	ppb	99
16) METHYLENE CHLORIDE	3.679	84	1354862	147.6400606	ppb	99

Quantitation Report (QT Reviewed)

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Data File : 1102_13.D
Acq On : 2 Nov 2011 10:25 am
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Quant Time: Nov 02 13:32:01 2011
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QLast Update : Wed Nov 02 13:30:23 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17) ACRYLONITRILE	4.364	53	2706611	1061.4970609	ppb		100
18) n-HEXANE	3.881	56	1477584	195.4138298	ppb		96
19) TRANS-1,2-DICHLOROETHENE	3.814	96	1380096	204.7784360	ppb		99
20) METHYL TERT-BUTYL ETHER	3.910	73	3739172	216.5144400	ppb	#	100
21) 1,1-DICHLOROETHANE	4.325	63	2757595	206.2411803	ppb		100
22) VINYL ACETATE	4.515	43	15495663	1125.0991306	ppb		97
23) DI-ISOPROPYL ETHER	4.216	45	5239222	213.7122433	ppb		98
24) 2,2-DICHLOROPROPANE	4.843	77	2105241	225.5897781	ppb		100
25) CIS-1,2-DICHLOROETHENE	4.753	96	1501702	201.7663169	ppb		99
26) 2-BUTANONE (MEK)	5.203	72	901486	1014.9408228	ppb		100
27) BROMOCHLOROMETHANE	4.910	130	721703	194.9748079	ppb		95
28) TETRAHYDROFURAN	5.097	42	455809	207.9318729	ppb		97
29) CHLOROFORM	4.958	83	2430795	201.7490121	ppb		99
31) 1,1,1-TRICHLOROETHANE	5.135	97	2057111	210.1863879	ppb		97
32) CARBON TETRACHLORIDE	5.084	117	1730916	207.4841109	ppb		99
33) 1,1-DICHLOROPROPENE	5.232	75	2197042	205.5698856	ppb		100
34) 2,2,4-TRIMETHYLPENTANE	5.312	57	6989396	209.8194255	ppb		98
35) BENZENE	5.428	78	6300996	198.0175894	ppb		98
36) 1,2-DICHLOROETHANE	5.582	62	1799868	192.9802331	ppb		99
38) TRICHLOROETHENE	5.881	130	1446255	203.2365333	ppb	#	100
39) 1,2-DICHLOROPROPANE	6.299	62	1192823	208.4768011	ppb		100
40) DIBROMOMETHANE	6.219	93	762566	206.1037190	ppb		99
41) BROMODICHLOROMETHANE	6.338	83	1863049	231.4683997	ppb		100
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	3740883	1318.1907252	ppb		99
44) CIS-1,3-DICHLOROPROPENE	6.852	75	2384987	212.3528754	ppb		100
45) 4-METHYL-2-PENTANONE (...	7.354	58	3108463	1143.7176909	ppb		91
47) TOLUENE	7.055	91	6732589	193.0638977	ppb		100
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	553088	228.5975004	ppb		89
50) 1,1,2-TRICHLOROETHANE	7.527	97	1147632	198.3821553	ppb		99
51) TETRACHLOROETHENE	7.380	164	1182418	212.7064869	ppb		99
52) 1,3-DICHLOROPROPANE	7.765	76	2271583	197.2814721	ppb		99
53) 2-HEXANONE	8.068	58	2912257	1179.9178751	ppb		96
54) CHLORODIBROMOMETHANE	7.682	129	1161771	227.8137202	ppb		99
55) 1,2-DIBROMOETHANE	7.900	107	1111900	215.4847497	ppb		99
57) 1,1,1,2-TETRACHLOROETHANE	8.405	133	1232006	234.2842879	ppb		97

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Misc : soil ISSURR10G08815
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:32:01 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:30:23 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58) ETHYLBENZENE	8.370	106	2524239	227.4976213	ppb		96
59) M&P-XYLENE	8.498	106	6303007	455.0133844	ppb		95
60) O-XYLENE	8.891	106	2841065	222.3987849	ppb		98
61) STYRENE	8.936	104	4859847	235.7927490	ppb		99
62) BROMOFORM	8.965	173	687760	244.8051778	ppb		99
63) ISOPROPYLBENZENE	9.174	105	6957599	221.0893661	ppb		99
65) BROMOBENZENE	9.547	77	3446915	210.4482011	ppb		98
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	1595527	209.7147998	ppb		99
67) 1,2,3-TRICHLOROPROPANE	9.752	110	484959	218.0626410	ppb		99
68) TRANS-1,4-DICHLORO-2-B...	9.788	53	446887	233.1720131	ppb	#	78
69) N-PROPYLBENZENE	9.563	91	9462513	213.6239009	ppb		98
70) 2-CHLOROTOLUENE	9.717	91	6048752	213.5529161	ppb		99
71) 4-CHLOROTOLUENE	9.875	91	5356517	210.2444160	ppb		99
72) 1,3,5-TRIMETHYLBENZENE	9.743	105	6455747	227.3306616	ppb		98
73) TERT-BUTYLBENZENE	10.055	119	5387653	224.4557128	ppb		98
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	6295894	219.7560359	ppb		99
75) SEC-BUTYLBENZENE	10.225	105	8382350	216.5165083	ppb		98
76) 1,3-DICHLOROBENZENE	10.444	146	3016321	207.4784581	ppb		100
77) P-ISOPROPYLTOLUENE	10.363	119	6897814	230.1091203	ppb		99
79) 1,4-DICHLOROBENZENE	10.531	146	3168088	201.2231649	ppb	#	32
80) 1,2,3-TRIMETHYLBENZENE	10.550	105	6919623	209.7530103	ppb		98
81) 1,2-DICHLOROBENZENE	10.949	146	2785289	201.0085410	ppb		99
82) N-BUTYLBENZENE	10.778	91	6662167	209.1566833	ppb		99
83) 1,2-DIBROMO-3-CHLOROPR...	11.749	157	243285	226.5688824	ppb		97
84) 1,2,4-TRICHLOROBENZENE	12.450	180	1878687	222.1668885	ppb		99
85) HEXACHLORO-1,3-BUTADIENE	12.421	225	1165073	218.3937063	ppb		100
86) NAPHTHALENE	12.791	128	4633525	209.7865584	ppb		100
87) 1,2,3-TRICHLOROBENZENE	12.984	180	1681984	213.8860916	ppb		99
88) 1-METHYLNAPHTHALENE	13.903	142	2474026	221.9296558	ppb		99
89) 2-METHYLNAPHTHALENE	14.067	142	2127994	213.5599086	ppb		99
91) ETHANOL	0.000		0	N.D.	d		
92) BROMOETHANE	0.000		0	N.D.	d		
93) METHYL ACETATE	0.000		0	N.D.	d		
94) ACETONITRILE	0.000		0	N.D.	d		
95) ALLYL CHLORIDE	0.000		0	N.D.			
96) TERT-BUTYL ALCOHOL	0.000		0	N.D.	d		

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Quant Method : C:\msdchem\1\methods\V822K02K.M
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QLast Update : Wed Nov 02 13:30:23 2011
Response via : Initial Calibration

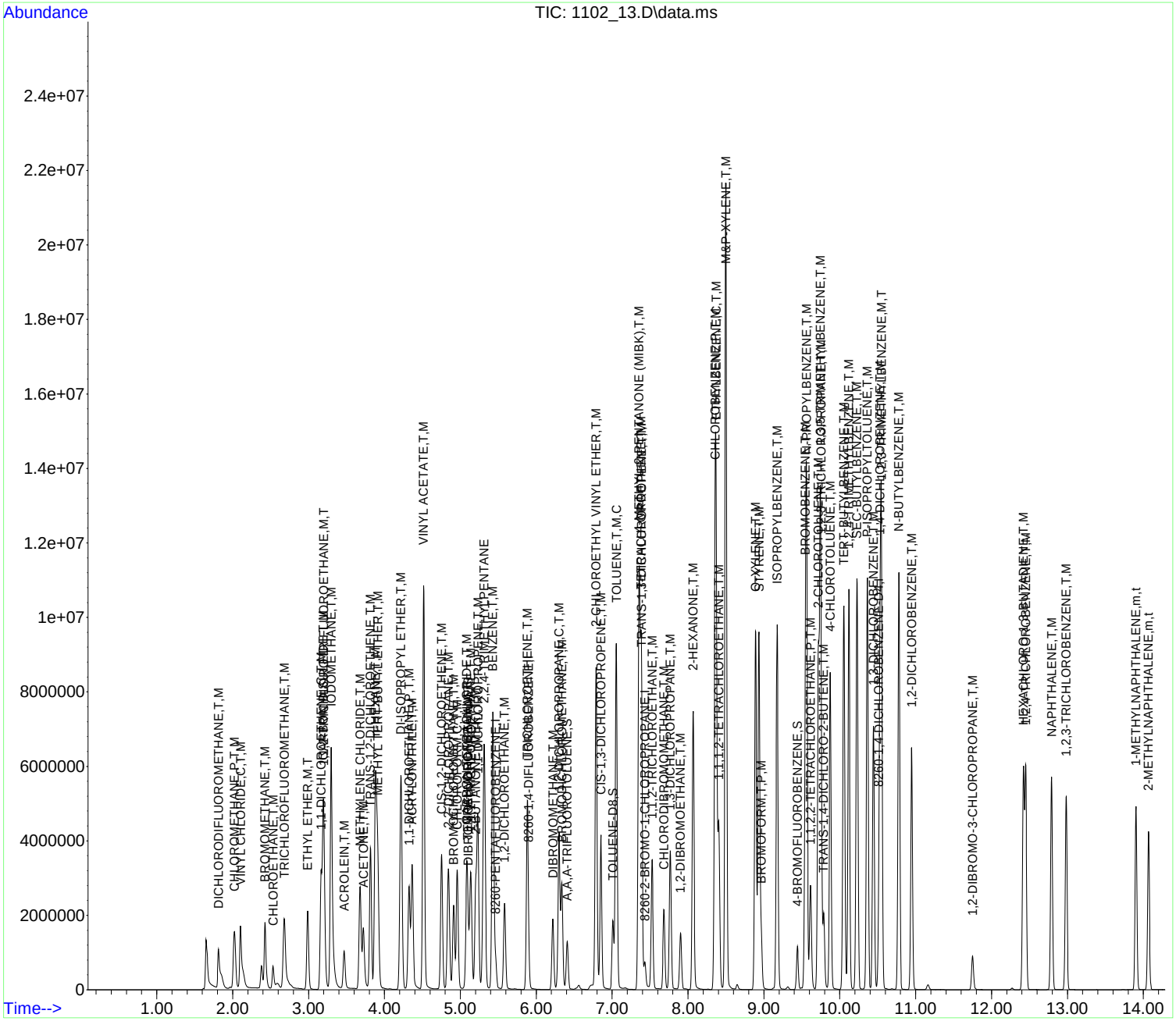
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	d	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	d	
99)	PROPIONITRILE	0.000		0	N.D.	d	
100)	ETHYL ACETATE	0.000		0	N.D.	d	
101)	METHACRYLONITRILE	0.000		0	N.D.	d	
102)	CYCLOHEXANE	0.000		0	N.D.	d	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	d	
104)	ISOBUTANOL	0.000		0	N.D.		
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	0.000		0	N.D.	d	
108)	N-BUTANOL	0.000		0	N.D.	d	
109)	METHYL CYCLOHEXANE	0.000		0	N.D.	d	
110)	2-NITROPROPANE	0.000		0	N.D.	d	
111)	METHYL METHACRYLATE	0.000		0	N.D.	d	
112)	1,4-DIOXANE	0.000		0	N.D.	d	
113)	N-OCTANE	0.000		0	N.D.	d	
114)	3,3-DIMETHYL-1-BUTANOL	0.000		0	N.D.	d	
116)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	d	
118)	CYCLOHEXANONE	0.000		0	N.D.	d	
		0.000		0	N.D.	d	
120)	HEXACHLOROETHANE	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_13.D
Acq On : 2 Nov 2011 10:25 am
Operator : 209
Sample : STD VMS 200 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS22

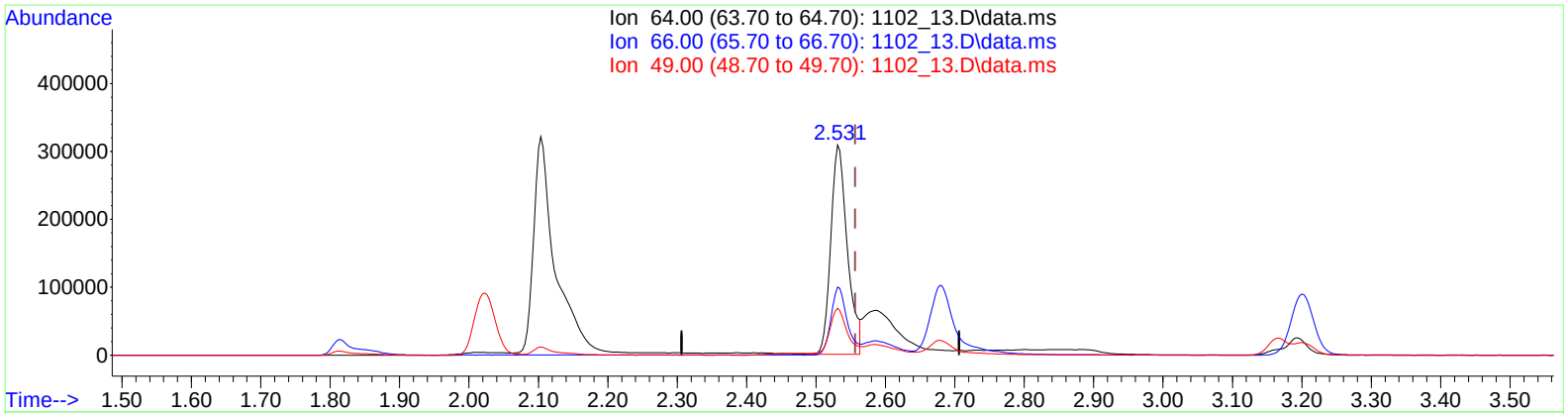
Quant Time: Nov 02 13:32:01 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:30:23 2011

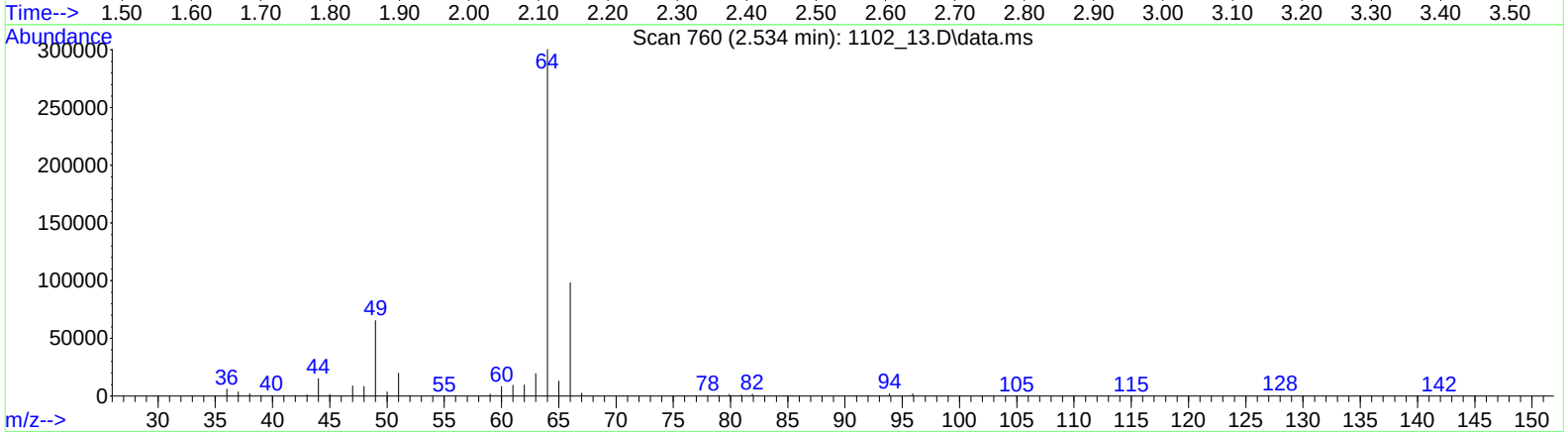


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_13.D
Acq On : 2 Nov 2011 10:25 am
Operator : 209
Sample : STD VMS 200 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:30:23 2011





TIC: 1102_13.D\data.ms

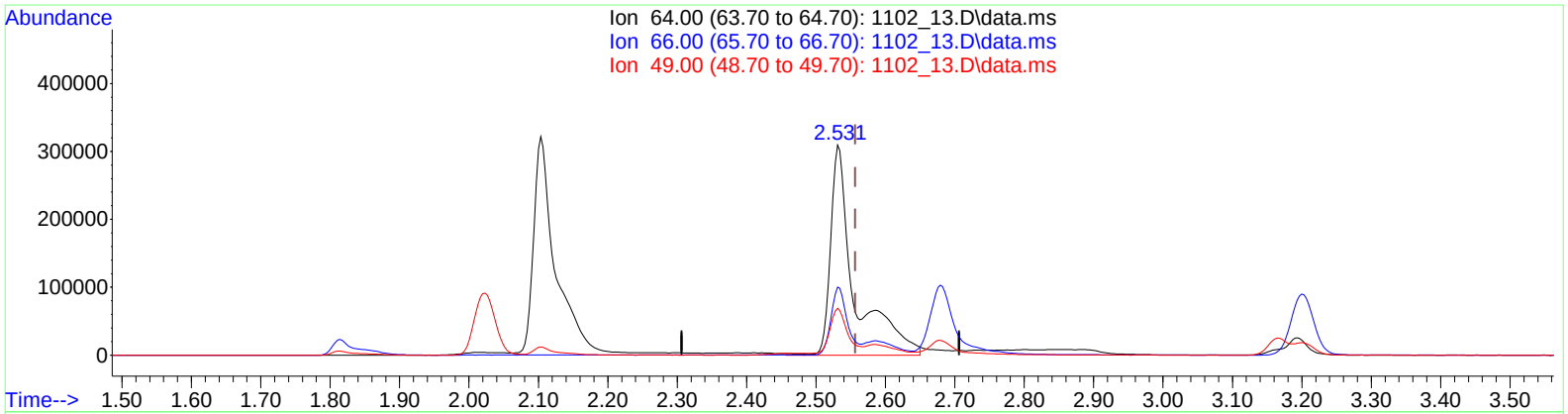
(7) CHLOROETHANE (T,M)
2.531min (-0.026) 76.3257869 ppb
Qvalue = 99
response 507904

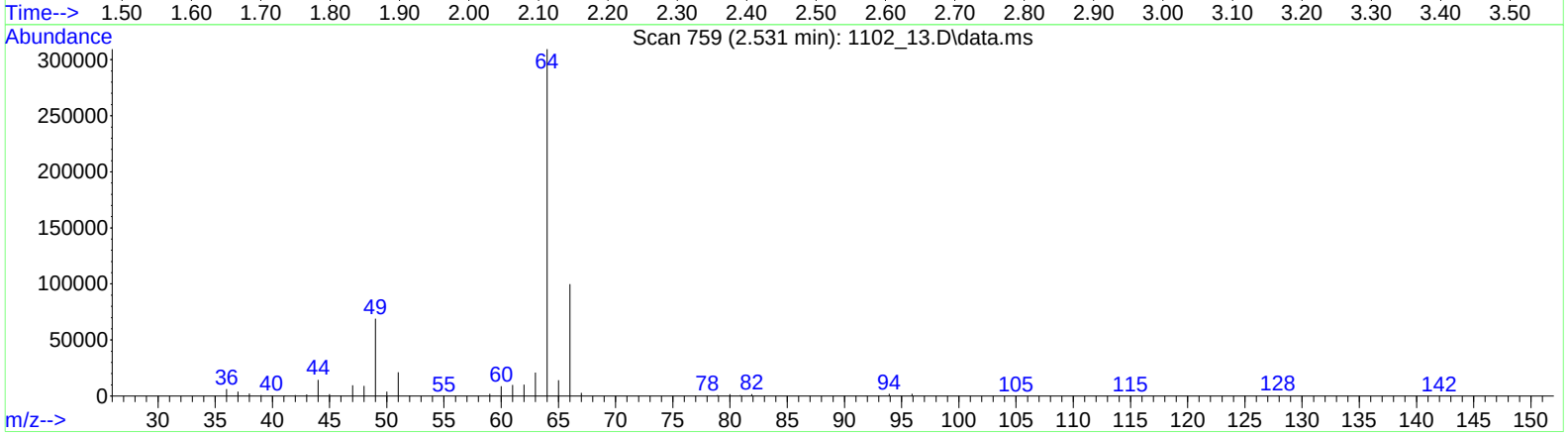
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	32.25
49.00	22.10	21.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_13.D
Acq On : 2 Nov 2011 10:25 am
Operator : 209
Sample : STD VMS 200 PPB 11J21182
Misc : soil ISSURR10G08815
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:30:30 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:30:23 2011





TIC: 1102_13.D\data.ms

(7) CHLOROETHANE (T,M)
2.531min (-0.026) 111.1838103 ppb m

response 739864

Ion	Exp%	Act%
64.00	100	100
66.00	31.30	22.14#
49.00	22.10	15.04#
0.00	0.00	0.00

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID : VOCMS22 | Analysis Date : 11/2/2011 11:08:00 AM | ICal Method : 8260B

Lab File ID : 1102_15 | Quant Method : V822K02K | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
DICHLORODIFLUOROMETHANE	1	148898	0.025	0.04	438405	0.686	0.5434172		20.78	40	79.18	39	189
CHLOROMETHANE	1	219620	0.025	0.04	438405	0.939	0.8015237		14.64	40	85.35		
VINYL CHLORIDE	1	225774	0.025	0.04	438405	0.991	0.8239833		16.85	30	83.15		
BROMOMETHANE	1	141637	0.025	0.04	438405	0.538	0.5169175		3.92	40	96.13	45	175
CHLOROETHANE	1	155821	0.025	0.04	438405	0.603	0.5686833		5.69	40	94.34	49	155
TRICHLOROFLUOROMETHANE	1	281998	0.025	0.04	438405	1.118	1.029178		7.94	40	92.03	54	156
ETHYL ETHER	1	162957	0.025	0.04	438405	0.604	0.5947268		1.54	40	98.52	60	142
ACROLEIN	1	11140	0.125	0.04	438405	0.071	0.008131294		88.55	40	11.41	6	182
1,1-DICHLOROETHENE	1	133024	0.025	0.04	438405	0.492	0.4854835		1.32	30	98.61		
1,1,2-TRICHLOROTRIFLUOROETHANE	1	140803	0.025	0.04	438405	0.53	0.5138737		3.04	40	96.96		
ACETONE	1	270530	0.125	0.04	438405	0.197	0.1974649		0.24	40	100.21		
IODOMETHANE	1	879421	0.125	0.04	438405	0.627	0.6419058		2.38	40	102.35	61	148
CARBON DISULFIDE	1	377278	0.025	0.04	438405	1.367	1.376911		0.73	40	100.75		
METHYLENE CHLORIDE	1	168691	0.025	0.04	438405	0.617	0.6156535		0.22	40	99.84		
ACRYLONITRILE	1	306618	0.125	0.04	438405	0.224	0.2238062		0.09	40	99.77		
n-HEXANE	1	152904	0.025	0.04	438405	0.66	0.5580374		15.45	40	84.6		
TRANS-1,2-DICHLOROETHENE	1	156241	0.025	0.04	438405	0.591	0.5702161		3.52	40	96.53		
METHYL TERT-BUTYL ETHER	1	435943	0.025	0.04	438405	1.523	1.591015		4.47	40	104.5		
1,1-DICHLOROETHANE	1	321739	0.025	0.04	438405	1.173	1.174217		0.1	40	100.12		
VINYL ACETATE	1	1591338	0.125	0.04	438405	1.219	1.161547		4.71	40	95.26	34	178
DI-ISOPROPYL ETHER	1	611333	0.025	0.04	438405	2.158	2.231117		3.39	40	103.37		
2,2-DICHLOROPROPANE	1	233647	0.025	0.04	438405	0.826	0.8527165		3.23	40	103.18	46	151
CIS-1,2-DICHLOROETHENE	1	177240	0.025	0.04	438405	0.651	0.6468539		0.64	40	99.3		
2-BUTANONE (MEK)	1	107881	0.125	0.04	438405	0.078	0.07874436		0.95	40	101.24		
BROMOCHLOROMETHANE	1	87523	0.025	0.04	438405	0.323	0.3194233		1.11	40	98.94		
TETRAHYDROFURAN	1	54909	0.025	0.04	438405	0.192	0.2003955		4.37	40	104.13		
CHLOROFORM	1	294236	0.025	0.04	438405	1.054	1.073842		1.88	30	101.84		
1,1,1-TRICHLOROETHANE	1	234281	0.025	0.04	438405	0.86	0.8550304		0.58	40	99.4		
CARBON TETRACHLORIDE	1	181183	0.025	0.04	438405	0.732	0.6612443		9.67	40	90.31		
1,1-DICHLOROPROPENE	1	246712	0.025	0.04	438405	0.937	0.9003984		3.91	40	96.08		
2,2,4-TRIMETHYLPENTANE	1	759721	0.025	0.04	438405	2.927	2.772673		5.27	40	94.72		
BENZENE	1	741691	0.025	0.04	438405	2.78	2.706871		2.63	40	97.38		
1,2-DICHLOROETHANE	1	213673	0.025	0.04	438405	0.813	0.7798195		4.08	40	95.96		
TRICHLOROETHENE	1	161974	0.025	0.04	781631	0.335	0.3315611		1.03	40	98.85		
1,2-DICHLOROPROPANE	1	134345	0.025	0.04	781631	0.27	0.2750044		1.85	30	101.71		
DIBROMOMETHANE	1	84880	0.025	0.04	781631	0.175	0.1737495		0.71	40	99.49		
BROMODICHLOROMETHANE	1	182242	0.025	0.04	781631	0.385	0.3730497		3.1	40	96.97		
2-CHLOROETHYL VINYL ETHER	1	370774	0.125	0.04	781631	0.149	0.151795		1.88	40	101.9	0	171
CIS-1,3-DICHLOROPROPENE	1	246318	0.025	0.04	781631	0.492	0.5042133		2.48	40	102.47		
4-METHYL-2-PENTANONE (MIBK)	1	339839	0.125	0.04	781631	0.13	0.1391302		7.02	40	107.24		

SSCV Summary Report

Instrument ID : VOCMS22 | Analysis Date : 11/2/2011 11:08:00 AM | ICal Method : 8260B

Lab File ID : 1102_15 | Quant Method : V822K02K | ICal Protocol : SW846

Parameter	Col	Resp.	Std. Conc	IS Conc.	IS Resp.	Avg. RF	RF	Min. RF	%Diff	Max. %D	% Rec	%Rec LL	% RecHL
TOLUENE	1	782290	0.025	0.04	781631	1.635	1.601349		2.06	30	97.92		
TRANS-1,3-DICHLOROPROPENE	1	51021	0.025	0.04	781631	0.104	0.1044401		0.42	40	100.11		
1,1,2-TRICHLOROETHANE	1	133490	0.025	0.04	129321	1.687	1.65158		2.1	40	97.88		
TETRACHLOROETHENE	1	126441	0.025	0.04	129321	1.633	1.564368		4.2	40	95.8		
1,3-DICHLOROPROPANE	1	268201	0.025	0.04	129321	3.357	3.318267		1.15	40	98.86		
2-HEXANONE	1	325516	0.125	0.04	129321	0.733	0.8054772		9.89	40	109.82		
CHLORODIBROMOMETHANE	1	112045	0.025	0.04	129321	1.399	1.386256		0.91	40	99.11		
1,2-DIBROMOETHANE	1	125863	0.025	0.04	129321	1.518	1.557217		2.58	40	102.59		
CHLOROBENZENE	1	467157	0.025	0.04	129321	5.91	5.779813		2.2	40	97.8		
1,1,1,2-TETRACHLOROETHANE	1	128938	0.025	0.04	129321	1.561	1.595261		2.19	40	102.17		
ETHYLBENZENE	1	265526	0.025	0.04	129321	3.372	3.285171		2.57	30	97.43		
M&P-XYLENE	1	658249	0.05	0.04	129321	4.099	4.072031		0.66	40	99.34		
O-XYLENE	1	303902	0.025	0.04	129321	3.771	3.759971		0.29	40	99.71		
STYRENE	1	362358	0.025	0.04	129321	6.124	4.483207		26.79	40	73.21		
BROMOFORM	1	59042	0.025	0.04	129321	0.649	0.7304862		12.56	40	90.85		
ISOPROPYLBENZENE	1	840503	0.025	0.04	129321	9.28	10.39897		12.06	40	112.02		
BROMOBENZENE	1	375554	0.025	0.04	129321	4.806	4.646472		3.32	40	96.68		
1,1,2,2-TETRACHLOROETHANE	1	171710	0.025	0.04	129321	2.232	2.12445		4.82	40	95.2		
1,2,3-TRICHLOROPROPANE	1	51716	0.025	0.04	129321	0.655	0.6398466		2.31	40	97.68		
TRANS-1,4-DICHLORO-2-BUTENE	1	45600	0.025	0.04	129321	0.569	0.5641775		0.85	40	99.2	48	139
N-PROPYLBENZENE	1	1044193	0.025	0.04	129321	13.02	12.91908		0.78	40	99.24		
2-CHLOROTOLUENE	1	657404	0.025	0.04	129321	8.324	8.133608		2.29	40	97.71		
4-CHLOROTOLUENE	1	595699	0.025	0.04	129321	7.475	7.370175		1.4	40	98.59		
1,3,5-TRIMETHYLBENZENE	1	684958	0.025	0.04	129321	8.403	8.474515		0.85	40	100.85		
TERT-BUTYLBENZENE	1	588155	0.025	0.04	129321	7.092	7.276838		2.61	40	102.6		
1,2,4-TRIMETHYLBENZENE	1	673215	0.025	0.04	129321	8.446	8.329226		1.38	40	98.62		
SEC-BUTYLBENZENE	1	933510	0.025	0.04	129321	11.39	11.54968		1.4	40	101.36		
1,3-DICHLOROBENZENE	1	335072	0.025	0.04	129321	4.26	4.145616		2.69	40	97.32		
P-ISOPROPYLTOLUENE	1	743096	0.025	0.04	129321	8.88	9.193816		3.53	40	103.51		
1,4-DICHLOROBENZENE	1	349515	0.025	0.04	324029	1.736	1.725845		0.58	40	99.42		
1,2,3-TRIMETHYLBENZENE	1	702821	0.025	0.04	324029	3.653	3.47041		5	40	95.01		
1,2-DICHLOROBENZENE	1	307938	0.025	0.04	324029	1.528	1.520545		0.49	40	99.54		
N-BUTYLBENZENE	1	742456	0.025	0.04	324029	3.526	3.666121		3.97	40	103.98		
1,2-DIBROMO-3-CHLOROPROPANE	1	22193	0.025	0.04	324029	0.105	0.1095852		4.37	40	104.41	55	134
1,2,4-TRICHLOROBENZENE	1	202710	0.025	0.04	324029	0.942	1.000947		6.26	40	106.25		
HEXACHLORO-1,3-BUTADIENE	1	118300	0.025	0.04	324029	0.593	0.5841452		1.49	40	98.47		
NAPHTHALENE	1	488753	0.025	0.04	324029	2.369	2.413379		1.87	40	101.89	56	145
1,2,3-TRICHLOROBENZENE	1	182180	0.025	0.04	324029	0.873	0.8995737		3.04	40	103.1		
1-METHYLNAPHTHALENE	1	248128	0.025	0.04	324029	1.195	1.225214		2.53	40	102.55		
2-METHYLNAPHTHALENE	1	232072	0.025	0.04	324029	1.044	1.145932		9.76	40	109.78		

Environmental Science Corporation
12065 Lebanon Rd., Mt. Juliet, TN 37122

SSCV Summary Report

Instrument ID	:	VOCMS22	Analysis Date	:	11/2/2011 11:08:00 AM	ICal Method	: 8260B
Lab File ID	:	1102_15	Quant Method	:	V822K02K	ICal Protocol	: SW846

Parameter	IS Response	IS Low Limit	IS High Limit	IS RT	IS RT LL	IS RT HL
8260-PENTAFLUOROBENZENE	438405	198468.5	793874	5.46		
8260-1,4-DIFLUOROBENZENE	781631	355595	1422380	5.9		
8260-2-BROMO-1-CHLOROPROPANE	129321	57969	231876	7.43		
8260-1,4-DICHLOROBENZENE-D4	324029	149153	596612	10.51		
AP9-PENTAFLUOROBENZENE	438524	0	0	5.46		
AP9-1,4-DIFLUOROBENZENE	781631	0	0	5.9		
AP9-2-BROMO-1-CHLOROPROPANE	129321	0	0	7.43		
AP9-1,4-DICHLOROBENZENE-D4	324029	0	0	10.51		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_15.D
Acq On : 2 Nov 2011 11:08 am
Operator : 209
Sample : SSCV VMS 25 PPB 11J06506
Misc : soil ISSURR10G08815
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:37:16 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	438405	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	781631	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	129321	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	324029	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	438524	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	781631	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	129321	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	324029	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	220491	40.6942171	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 101.74%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	420758	42.2131879	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 105.53%			
46) TOLUENE-D8	7.010	98	985877	41.1243897	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 102.81%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 98.73%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6254481	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	148898	19.7947663	ppb	100
4) CHLOROMETHANE	2.023	50	219620	21.3380933	ppb	99
5) VINYL CHLORIDE	2.107	62	225774	20.7879246	ppb	100
6) BROMOMETHANE	2.431	94	141637	24.0318660	ppb	100
7) CHLOROETHANE	2.560	64	155821	23.5854730	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	281998	23.0065093	ppb	100
9) ETHYL ETHER	2.991	59	162957	24.6299460	ppb	99
10) ACROLEIN	3.473	56	11140	14.2573561	ppb	97
11) 1,1-DICHLOROETHENE	3.171	96	133024	24.6521303	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	140803	24.2391067	ppb	99
13) ACETONE	3.724	43	270530	125.2651044	ppb	98
14) IODOMETHANE	3.303	142	879421	127.9346028	ppb	99
15) CARBON DISULFIDE	3.200	76	377278	25.1865073	ppb	99
16) METHYLENE CHLORIDE	3.679	84	168691	24.9594385	ppb	97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_15.D
Acq On : 2 Nov 2011 11:08 am
Operator : 209
Sample : SSCV VMS 25 PPB 11J06506
Misc : soil ISSURR10G08815
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:37:16 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	306618	124.7079758	ppb		99
18)	n-HEXANE	3.885	56	152904	21.1487749	ppb		94
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	156241	24.1323593	ppb		99
20)	METHYL TERT-BUTYL ETHER	3.910	73	435943	26.1237805	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	321739	25.0300490	ppb		99
22)	VINYL ACETATE	4.518	43	1591338	119.0720993	ppb		100
23)	DI-ISOPROPYL ETHER	4.216	45	611333	25.8427818	ppb		99
24)	2,2-DICHLOROPROPANE	4.846	77	233647	25.7942283	ppb		100
25)	CIS-1,2-DICHLOROETHENE	4.756	96	177240	24.8261572	ppb		99
26)	2-BUTANONE (MEK)	5.203	72	107881	126.5448703	ppb		99
27)	BROMOCHLOROMETHANE	4.913	130	87523	24.7343784	ppb		98
28)	TETRAHYDROFURAN	5.100	42	54909	26.0332843	ppb		95
29)	CHLOROFORM	4.962	83	294236	25.4592437	ppb		99
31)	1,1,1-TRICHLOROETHANE	5.139	97	234281	24.8509978	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	181183	22.5772172	ppb		99
33)	1,1-DICHLOROPROPENE	5.232	75	246712	24.0198250	ppb		100
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	759721	23.6809635	ppb		99
35)	BENZENE	5.431	78	741691	24.3452645	ppb		100
36)	1,2-DICHLOROETHANE	5.582	62	213673	23.9891609	ppb		99
38)	TRICHLOROETHENE	5.881	130	161974	24.7127288	ppb	#	100
39)	1,2-DICHLOROPROPANE	6.299	62	134345	25.4265326	ppb		99
40)	DIBROMOMETHANE	6.219	93	84880	24.8720224	ppb		98
41)	BROMODICHLOROMETHANE	6.338	83	182242	24.2413363	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	370774	127.3717235	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	246318	25.6166265	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	339839	134.0509594	ppb		99
47)	TOLUENE	7.055	91	782290	24.4802724	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.386	110	51021	25.0286734	ppb		95
50)	1,1,2-TRICHLOROETHANE	7.524	97	133490	24.4703626	ppb		99
51)	TETRACHLOROETHENE	7.380	164	126441	23.9490030	ppb		98
52)	1,3-DICHLOROPROPANE	7.765	76	268201	24.7143430	ppb		100
53)	2-HEXANONE	8.068	58	325516	137.2746715	ppb		100
54)	CHLORODIBROMOMETHANE	7.685	129	112045	24.7779287	ppb		99
55)	1,2-DIBROMOETHANE	7.900	107	125863	25.6471808	ppb		98
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	128938	25.5428814	ppb		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_15.D
Acq On : 2 Nov 2011 11:08 am
Operator : 209
Sample : SSCV VMS 25 PPB 11J06506
Misc : soil ISSURR10G08815
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:37:16 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	8.370	106	265526	24.3570002 ppb	99
59)	M&P-XYLENE	8.499	106	658249	49.6677578 ppb	99
60)	O-XYLENE	8.888	106	303902	24.9280475 ppb	98
61)	STYRENE	8.933	104	362358	18.3013194 ppb	100
62)	BROMOFORM	8.965	173	59042	22.7117496 ppb	99
63)	ISOPROPYLBENZENE	9.174	105	840503	28.0047997 ppb	100
65)	BROMOBENZENE	9.547	77	375554	24.1693187 ppb	99
66)	1,1,2,2-TETRACHLOROETHANE	9.614	83	171710	23.7988702 ppb	99
67)	1,2,3-TRICHLOROPROPANE	9.752	110	51716	24.4195012 ppb	99
68)	TRANS-1,4-DICHLORO-2-B...	9.788	53	45600	24.7993148 ppb	95
69)	N-PROPYLBENZENE	9.560	91	1044193	24.8093869 ppb	100
70)	2-CHLOROTOLUENE	9.717	91	657404	24.4275147 ppb	100
71)	4-CHLOROTOLUENE	9.871	91	595699	24.6484861 ppb	99
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	684958	25.2128029 ppb	100
73)	TERT-BUTYLBENZENE	10.052	119	588155	25.6498494 ppb	99
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	673215	24.6552003 ppb	100
75)	SEC-BUTYLBENZENE	10.225	105	933510	25.3403540 ppb	100
76)	1,3-DICHLOROBENZENE	10.444	146	335072	24.3306078 ppb	100
77)	P-ISOPROPYLTOLUENE	10.360	119	743096	25.8772520 ppb	100
79)	1,4-DICHLOROBENZENE	10.527	146	349515	24.8558661 ppb	97
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	702821	23.7523002 ppb	100
81)	1,2-DICHLOROBENZENE	10.945	146	307938	24.8849317 ppb	100
82)	N-BUTYLBENZENE	10.778	91	742456	25.9950711 ppb	100
83)	1,2-DIBROMO-3-CHLOROPR...	11.749	157	22193	26.1033008 ppb	99
84)	1,2,4-TRICHLOROBENZENE	12.450	180	202710	26.5620106 ppb	99
85)	HEXACHLORO-1,3-BUTADIENE	12.418	225	118300	24.6174864 ppb	100
86)	NAPHTHALENE	12.791	128	488753	25.4734768 ppb	100
87)	1,2,3-TRICHLOROBENZENE	12.984	180	182180	25.7753365 ppb	99
88)	1-METHYLNAPHTHALENE	13.903	142	248128	25.6370854 ppb	98
89)	2-METHYLNAPHTHALENE	14.067	142	232072	27.4441248 ppb	98
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	15583	No Calib #	
94)	ACETONITRILE	4.126	41	529	No Calib #	
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.901	59	756	No Calib #	

Quantitation Report (Not Reviewed)

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Operator : 209
Sample : SSCV VMS 25 PPB 11J06506
Misc : soil ISSURR10G08815
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:37:16 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	306618	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	1616	No Calib	#
99)	PROPIONITRILE	5.319	54	2149	No Calib	
100)	ETHYL ACETATE	5.052	43	2372	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1418	No Calib	#
102)	CYCLOHEXANE	4.923	56	209	No Calib	#
103)	TERT-BUTYL FORMATE	5.235	59	1015	No Calib	#
104)	ISOBUTANOL	0.000		0	N.D.	
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	12784	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11926	No Calib	#
110)	2-NITROPROPANE	7.354	43	884224	No Calib	
111)	METHYL METHACRYLATE	6.521	41	2041	No Calib	#
112)	1,4-DIOXANE	6.409	88	5188	No Calib	#
113)	N-OCTANE	6.852	85	2964	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	237	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6101	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5068	No Calib	
118)	CYCLOHEXANONE	9.781	55	1450	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	22227	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8926	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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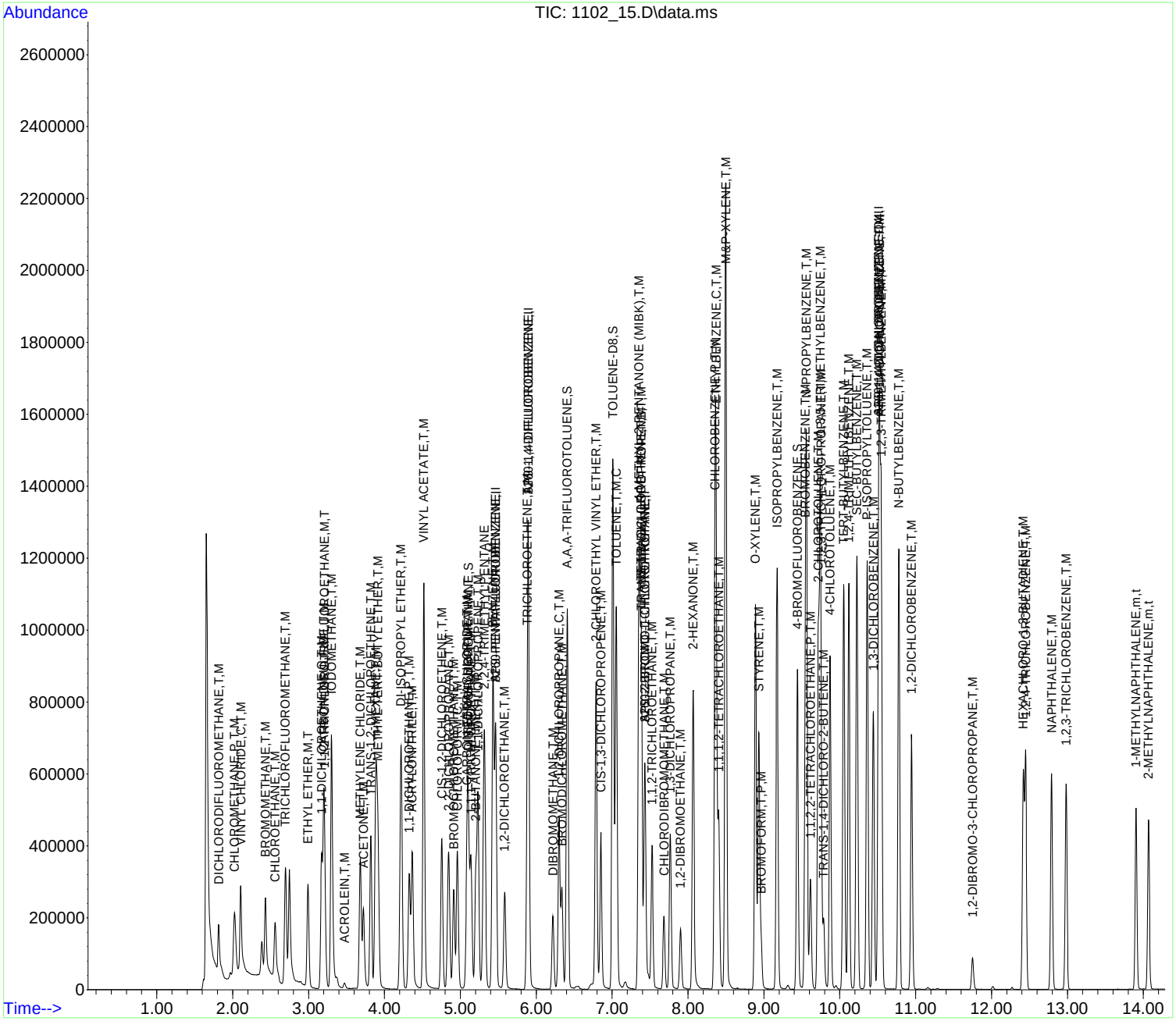
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	438405	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	781631	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.431	79	129321	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.511	152	324029	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	438524	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	781631	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.431	79	129321	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.511	152	324029	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	220491	40.6942171	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 101.74%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	420758	42.2131879	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 105.53%			
46) TOLUENE-D8	7.010	98	985877	41.1243897	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 102.81%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 98.73%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	6254481	No Calib		
3) DICHLORODIFLUOROMETHANE	1.817	85	148898	19.7947663	ppb	100
4) CHLOROMETHANE	2.023	50	219620	21.3380933	ppb	99
5) VINYL CHLORIDE	2.107	62	225774	20.7879246	ppb	100
6) BROMOMETHANE	2.431	94	141637	24.0318660	ppb	100
7) CHLOROETHANE	2.560	64	155821	23.5854730	ppb	99
8) TRICHLOROFLUOROMETHANE	2.695	101	281998	23.0065093	ppb	100
9) ETHYL ETHER	2.991	59	162957	24.6299460	ppb	99
10) ACROLEIN	3.473	56	11140	14.2573561	ppb	97
11) 1,1-DICHLOROETHENE	3.171	96	133024	24.6521303	ppb	98
12) 1,1,2-TRICHLOROTRIFLUO...	3.209	101	140803	24.2391067	ppb	99
13) ACETONE	3.724	43	270530	125.2651044	ppb	98
14) IODOMETHANE	3.303	142	879421	127.9346028	ppb	99
15) CARBON DISULFIDE	3.200	76	377278	25.1865073	ppb	99
16) METHYLENE CHLORIDE	3.679	84	168691	24.9594385	ppb	97

Quantitation Report (QT Reviewed)

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Misc : soil ISSURR10G08815
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
17)	ACRYLONITRILE	4.364	53	306618	124.7079758	ppb		99
18)	n-HEXANE	3.885	56	152904	21.1487749	ppb		94
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	156241	24.1323593	ppb		99
20)	METHYL TERT-BUTYL ETHER	3.910	73	435943	26.1237805	ppb	#	100
21)	1,1-DICHLOROETHANE	4.325	63	321739	25.0300490	ppb		99
22)	VINYL ACETATE	4.518	43	1591338	119.0720993	ppb		100
23)	DI-ISOPROPYL ETHER	4.216	45	611333	25.8427818	ppb		99
24)	2,2-DICHLOROPROPANE	4.846	77	233647	25.7942283	ppb		100
25)	CIS-1,2-DICHLOROETHENE	4.756	96	177240	24.8261572	ppb		99
26)	2-BUTANONE (MEK)	5.203	72	107881	126.5448703	ppb		99
27)	BROMOCHLOROMETHANE	4.913	130	87523	24.7343784	ppb		98
28)	TETRAHYDROFURAN	5.100	42	54909	26.0332843	ppb		95
29)	CHLOROFORM	4.962	83	294236	25.4592437	ppb		99
31)	1,1,1-TRICHLOROETHANE	5.139	97	234281	24.8509978	ppb		99
32)	CARBON TETRACHLORIDE	5.087	117	181183	22.5772172	ppb		99
33)	1,1-DICHLOROPROPENE	5.232	75	246712	24.0198250	ppb		100
34)	2,2,4-TRIMETHYLPENTANE	5.315	57	759721	23.6809635	ppb		99
35)	BENZENE	5.431	78	741691	24.3452645	ppb		100
36)	1,2-DICHLOROETHANE	5.582	62	213673	23.9891609	ppb		99
38)	TRICHLOROETHENE	5.881	130	161974	24.7127288	ppb	#	100
39)	1,2-DICHLOROPROPANE	6.299	62	134345	25.4265326	ppb		99
40)	DIBROMOMETHANE	6.219	93	84880	24.8720224	ppb		98
41)	BROMODICHLOROMETHANE	6.338	83	182242	24.2413363	ppb		100
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	370774	127.3717235	ppb		99
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	246318	25.6166265	ppb		99
45)	4-METHYL-2-PENTANONE (...	7.354	58	339839	134.0509594	ppb		99
47)	TOLUENE	7.055	91	782290	24.4802724	ppb		99
48)	TRANS-1,3-DICHLOROPROPENE	7.386	110	51021	25.0286734	ppb		95
50)	1,1,2-TRICHLOROETHANE	7.524	97	133490	24.4703626	ppb		99
51)	TETRACHLOROETHENE	7.380	164	126441	23.9490030	ppb		98
52)	1,3-DICHLOROPROPANE	7.765	76	268201	24.7143430	ppb		100
53)	2-HEXANONE	8.068	58	325516	137.2746715	ppb		100
54)	CHLORODIBROMOMETHANE	7.685	129	112045	24.7779287	ppb		99
55)	1,2-DIBROMOETHANE	7.900	107	125863	25.6471808	ppb		98
57)	1,1,1,2-TETRACHLOROETHANE	8.405	133	128938	25.5428814	ppb		99

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Data Path : C:\msdchem\1\data\110211\
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Operator : 209
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Misc : soil ISSURR10G08815
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Quant Method : C:\msdchem\1\methods\V822K02K.M
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QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	8.370	106	265526	24.3570002 ppb	99
59) M&P-XYLENE	8.499	106	658249	49.6677578 ppb	99
60) O-XYLENE	8.888	106	303902	24.9280475 ppb	98
61) STYRENE	8.933	104	362358	18.3013194 ppb	100
62) BROMOFORM	8.965	173	59042	22.7117496 ppb	99
63) ISOPROPYLBENZENE	9.174	105	840503	28.0047997 ppb	100
65) BROMOBENZENE	9.547	77	375554	24.1693187 ppb	99
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	171710	23.7988702 ppb	99
67) 1,2,3-TRICHLOROPROPANE	9.752	110	51716	24.4195012 ppb	99
68) TRANS-1,4-DICHLORO-2-B...	9.788	53	45600	24.7993148 ppb	95
69) N-PROPYLBENZENE	9.560	91	1044193	24.8093869 ppb	100
70) 2-CHLOROTOLUENE	9.717	91	657404	24.4275147 ppb	100
71) 4-CHLOROTOLUENE	9.871	91	595699	24.6484861 ppb	99
72) 1,3,5-TRIMETHYLBENZENE	9.743	105	684958	25.2128029 ppb	100
73) TERT-BUTYLBENZENE	10.052	119	588155	25.6498494 ppb	99
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	673215	24.6552003 ppb	100
75) SEC-BUTYLBENZENE	10.225	105	933510	25.3403540 ppb	100
76) 1,3-DICHLOROBENZENE	10.444	146	335072	24.3306078 ppb	100
77) P-ISOPROPYLTOLUENE	10.360	119	743096	25.8772520 ppb	100
79) 1,4-DICHLOROBENZENE	10.527	146	349515	24.8558661 ppb	97
80) 1,2,3-TRIMETHYLBENZENE	10.547	105	702821	23.7523002 ppb	100
81) 1,2-DICHLOROBENZENE	10.945	146	307938	24.8849317 ppb	100
82) N-BUTYLBENZENE	10.778	91	742456	25.9950711 ppb	100
83) 1,2-DIBROMO-3-CHLOROPR...	11.749	157	22193	26.1033008 ppb	99
84) 1,2,4-TRICHLOROBENZENE	12.450	180	202710	26.5620106 ppb	99
85) HEXACHLORO-1,3-BUTADIENE	12.418	225	118300	24.6174864 ppb	100
86) NAPHTHALENE	12.791	128	488753	25.4734768 ppb	100
87) 1,2,3-TRICHLOROBENZENE	12.984	180	182180	25.7753365 ppb	99
88) 1-METHYLNAPHTHALENE	13.903	142	248128	25.6370854 ppb	98
89) 2-METHYLNAPHTHALENE	14.067	142	232072	27.4441248 ppb	98
91) ETHANOL	0.000		0	N.D.	
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.827	43	15583	No Calib #	
94) ACETONITRILE	4.126	41	529	No Calib #	
95) ALLYL CHLORIDE	0.000		0	N.D.	
96) TERT-BUTYL ALCOHOL	3.901	59	756	No Calib #	

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Quant Time: Nov 02 13:37:16 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

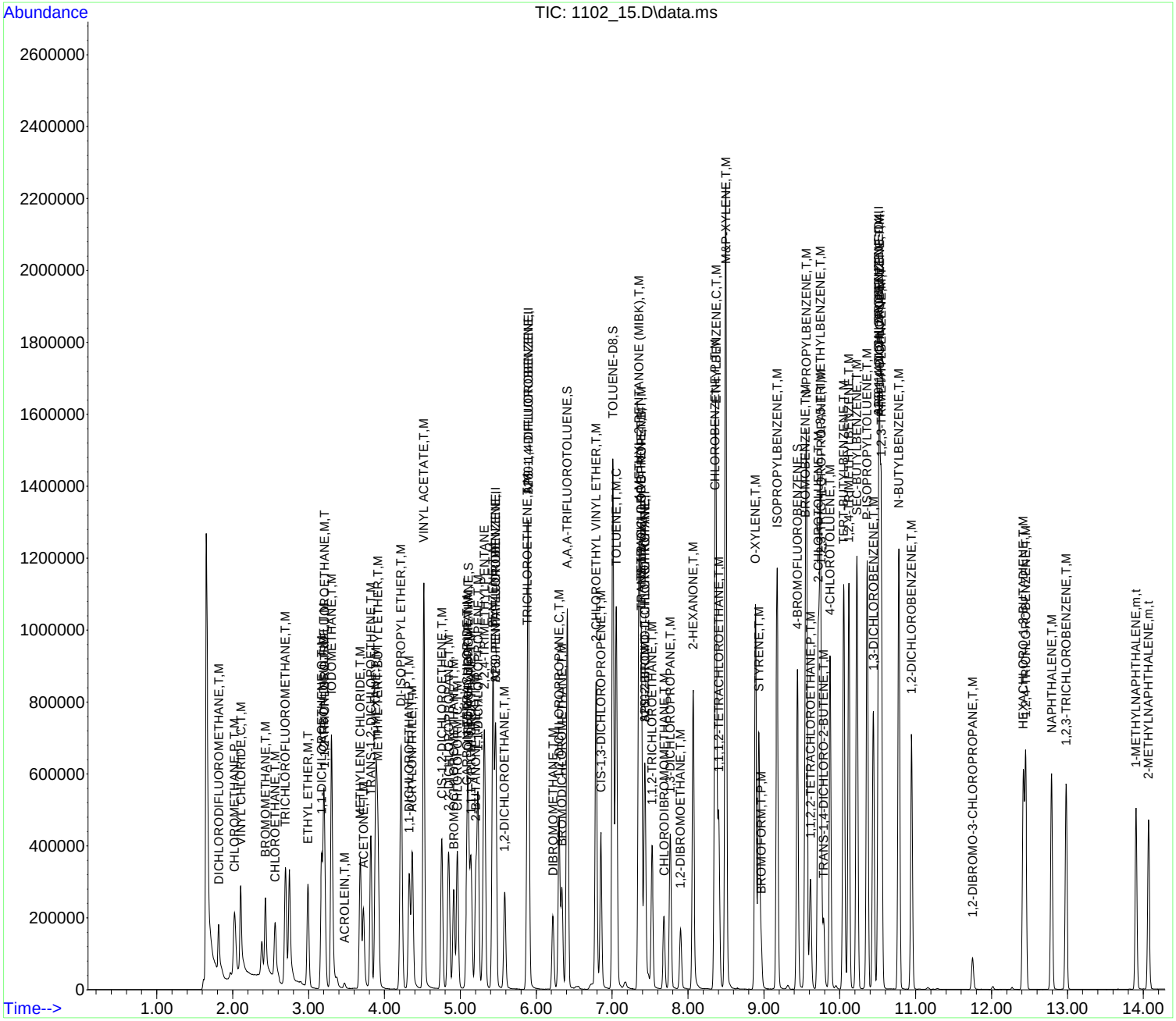
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.364	53	306618	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	4.322	59	1616	No Calib	#
99)	PROPIONITRILE	5.319	54	2149	No Calib	
100)	ETHYL ACETATE	5.052	43	2372	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1418	No Calib	#
102)	CYCLOHEXANE	4.923	56	209	No Calib	#
103)	TERT-BUTYL FORMATE	5.235	59	1015	No Calib	#
104)	ISOBUTANOL	0.000		0	N.D.	
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.428	73	12784	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	11926	No Calib	#
110)	2-NITROPROPANE	7.354	43	884224	No Calib	
111)	METHYL METHACRYLATE	6.521	41	2041	No Calib	#
112)	1,4-DIOXANE	6.409	88	5188	No Calib	#
113)	N-OCTANE	6.852	85	2964	No Calib	#
114)	3,3-DIMETHYL-1-BUTANOL	7.007	59	237	No Calib	#
116)	ETHYL METHACRYLATE	7.354	69	6101	No Calib	
117)	CIS-1,4-DICHLORO-2-BUTENE	9.560	53	5068	No Calib	
118)	CYCLOHEXANONE	9.781	55	1450	No Calib	#
119)	PENTACHLOROETHANE	10.055	117	22227	No Calib	#
120)	HEXACHLOROETHANE	10.778	117	8926	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_15.D
Acq On : 2 Nov 2011 11:08 am
Operator : 209
Sample : SSCV VMS 25 PPB 11J06506
Misc : soil ISSURR10G08815
ALS Vial : 15 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:37:16 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	458014	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	835981	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	128079	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	332206	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	458689	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	835981	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	128079	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	332206	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	224830	39.7184998	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 99.30%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	440160	41.2887476	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 103.22%			
46) TOLUENE-D8	7.010	98	1051119	40.9952922	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 102.49%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 104.54%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4587619	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	2.010	50	754	N.D.		
5) VINYL CHLORIDE	2.103	62	167	N.D.		
6) BROMOMETHANE	2.415	94	349	N.D.		
7) CHLOROETHANE	2.502	64	627	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	7440	3.2974966	ppb	98
14) IODOMETHANE	3.306	142	804	N.D.		
15) CARBON DISULFIDE	3.206	76	373	N.D.		
16) METHYLENE CHLORIDE	3.682	84	14095	1.9962031	ppb	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	3.888	56	2122	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.097	117	1713	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	5.312	57	187	N.D.	
35) BENZENE	5.431	78	798	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.412	83	363	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.058	91	1555	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.769	76	548	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	8.354	112	203	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.495	106	566	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	2065	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.566	91	503	N.D.	
70)	2-CHLOROTOLUENE	9.717	91	178	N.D.	
71)	4-CHLOROTOLUENE	9.878	91	338	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	209	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	556	N.D.	
75)	SEC-BUTYLBENZENE	10.232	105	200	N.D.	
76)	1,3-DICHLOROBENZENE	10.450	146	184	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.527	146	532	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.544	105	743	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	10.778	91	325	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	12.447	180	446	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.791	128	1969	N.D.	
87)	1,2,3-TRICHLOROBENZENE	12.981	180	417	N.D.	
88)	1-METHYLNAPHTHALENE	13.903	142	1500	N.D.	
89)	2-METHYLNAPHTHALENE	14.071	142	1022	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	391	No Calib	#
94)	ACETONITRILE	4.116	41	453	No Calib	#
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

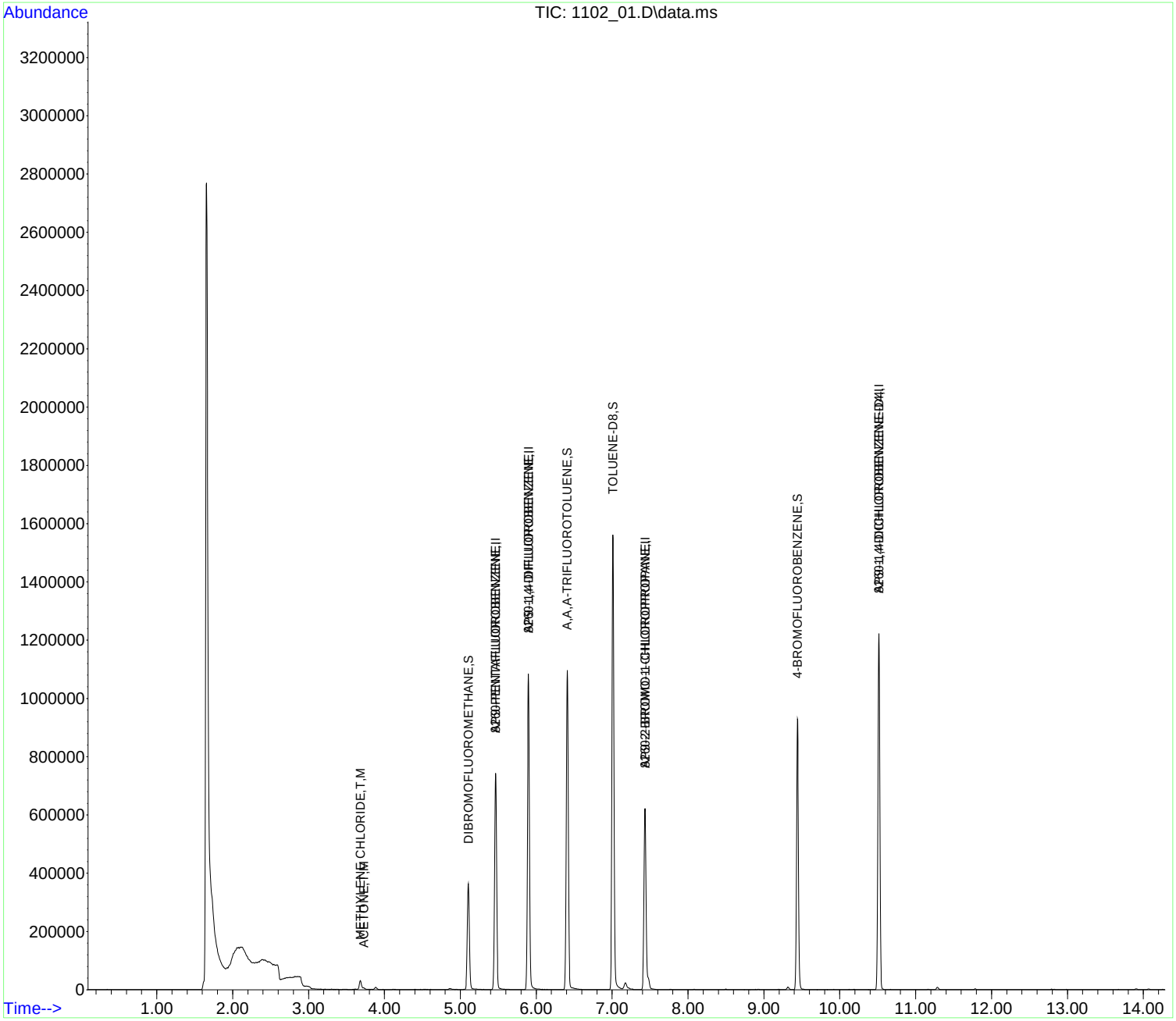
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.049	43	1172	No Calib		#
101)	METHACRYLONITRILE	5.460	67	1494	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.467	43	694	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.457	73	197	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	10648	No Calib		#
110)	2-NITROPROPANE	7.431	43	1029	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5799	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	343	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	458014	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	835981	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	128079	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	332206	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	458689	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	835981	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	128079	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	332206	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	224830	39.7184998	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 99.30%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	440160	41.2887476	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 103.22%			
46) TOLUENE-D8	7.010	98	1051119	40.9952922	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 102.49%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 104.54%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4587619	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	2.010	50	754	N.D.		
5) VINYL CHLORIDE	2.103	62	167	N.D.		
6) BROMOMETHANE	2.415	94	349	N.D.		
7) CHLOROETHANE	2.502	64	627	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	7440	3.2974966	ppb	98
14) IODOMETHANE	3.306	142	804	N.D.		
15) CARBON DISULFIDE	3.206	76	373	N.D.		
16) METHYLENE CHLORIDE	3.682	84	14095	1.9962031	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17)	ACRYLONITRILE	0.000		0	N.D.	
18)	n-HEXANE	3.888	56	2122	N.D.	
19)	TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20)	METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21)	1,1-DICHLOROETHANE	0.000		0	N.D.	
22)	VINYL ACETATE	0.000		0	N.D.	
23)	DI-ISOPROPYL ETHER	0.000		0	N.D.	
24)	2,2-DICHLOROPROPANE	0.000		0	N.D.	
25)	CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26)	2-BUTANONE (MEK)	0.000		0	N.D.	
27)	BROMOCHLOROMETHANE	0.000		0	N.D.	
28)	TETRAHYDROFURAN	0.000		0	N.D.	
29)	CHLOROFORM	0.000		0	N.D.	
31)	1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32)	CARBON TETRACHLORIDE	5.097	117	1713	N.D.	
33)	1,1-DICHLOROPROPENE	0.000		0	N.D.	
34)	2,2,4-TRIMETHYLPENTANE	5.312	57	187	N.D.	
35)	BENZENE	5.431	78	798	N.D.	
36)	1,2-DICHLOROETHANE	0.000		0	N.D.	
38)	TRICHLOROETHENE	0.000		0	N.D.	
39)	1,2-DICHLOROPROPANE	0.000		0	N.D.	
40)	DIBROMOMETHANE	0.000		0	N.D.	
41)	BROMODICHLOROMETHANE	6.412	83	363	N.D.	
43)	2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44)	CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45)	4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47)	TOLUENE	7.058	91	1555	N.D.	
48)	TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50)	1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51)	TETRACHLOROETHENE	0.000		0	N.D.	
52)	1,3-DICHLOROPROPANE	7.769	76	548	N.D.	
53)	2-HEXANONE	0.000		0	N.D.	
54)	CHLORODIBROMOMETHANE	0.000		0	N.D.	
55)	1,2-DIBROMOETHANE	0.000		0	N.D.	
56)	CHLOROBENZENE	8.354	112	203	N.D.	
57)	1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.495	106	566	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	2065	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.566	91	503	N.D.	
70)	2-CHLOROTOLUENE	9.717	91	178	N.D.	
71)	4-CHLOROTOLUENE	9.878	91	338	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	9.743	105	209	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.119	105	556	N.D.	
75)	SEC-BUTYLBENZENE	10.232	105	200	N.D.	
76)	1,3-DICHLOROBENZENE	10.450	146	184	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.527	146	532	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.544	105	743	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	10.778	91	325	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	12.447	180	446	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.791	128	1969	N.D.	
87)	1,2,3-TRICHLOROBENZENE	12.981	180	417	N.D.	
88)	1-METHYLNAPHTHALENE	13.903	142	1500	N.D.	
89)	2-METHYLNAPHTHALENE	14.071	142	1022	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.827	43	391	No Calib	#
94)	ACETONITRILE	4.116	41	453	No Calib	#
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

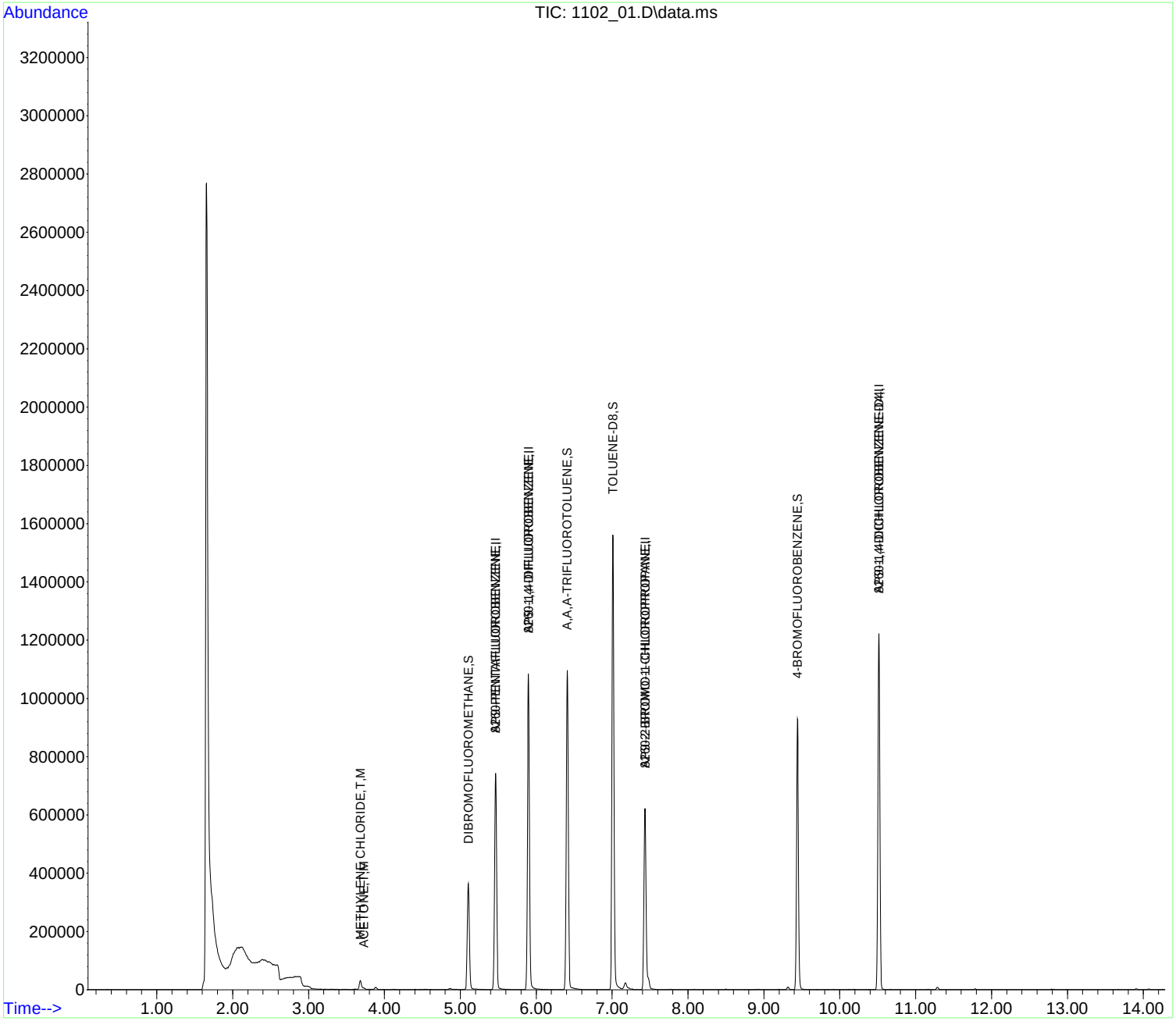
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.049	43	1172	No Calib		#
101)	METHACRYLONITRILE	5.460	67	1494	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.467	43	694	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.457	73	197	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	10648	No Calib		#
110)	2-NITROPROPANE	7.431	43	1029	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5799	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	343	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_01.D
Acq On : 2 Nov 2011 12:20 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 1 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:22 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_02.D
Acq On : 2 Nov 2011 12:41 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:43 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	432969	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	800153	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	121645	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	307039	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	432969	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	800153	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	121645	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	307039	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	212648	39.7394479	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 99.35%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	415314	40.7024993	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 101.76%			
46) TOLUENE-D8	7.010	98	1000208	40.7563978	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 101.89%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 102.29%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4358484	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	1.997	50	378	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	2.447	94	192	N.D.		
7) CHLOROETHANE	2.508	64	576	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.730	43	5103	2.3925385	ppb	94
14) IODOMETHANE	3.296	142	217	N.D.		
15) CARBON DISULFIDE	3.200	76	226	N.D.		
16) METHYLENE CHLORIDE	3.682	84	13389	2.0059021	ppb	97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_02.D
Acq On : 2 Nov 2011 12:41 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:43 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	3.891	56	1929	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.097	117	1716	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	5.319	57	223	N.D.	
35) BENZENE	5.425	78	775	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.405	83	182	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.058	91	1323	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.762	76	322	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_02.D
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Sample : INSTBLK VMS
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InstName : VOCMS22

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QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.495	106	302	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.437	77	2026	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.563	91	207	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	9.884	91	259	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.113	105	457	N.D.	
75)	SEC-BUTYLBENZENE	10.113	105	457	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.531	146	226	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	624	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.791	128	1255	N.D.	
87)	1,2,3-TRICHLOROBENZENE	12.984	180	210	N.D.	
88)	1-METHYLNAPHTHALENE	13.900	142	880	N.D.	
89)	2-METHYLNAPHTHALENE	14.071	142	674	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.824	43	931	No Calib	#
94)	ACETONITRILE	4.123	41	840	No Calib	#
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.991	59	261	No Calib	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_02.D
Acq On : 2 Nov 2011 12:41 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:43 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.055	43	1101	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1212	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.460	43	782	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.470	73	448	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	10367	No Calib		#
110)	2-NITROPROPANE	7.431	43	966	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5259	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	322	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_02.D
Acq On : 2 Nov 2011 12:41 am
Operator : 209
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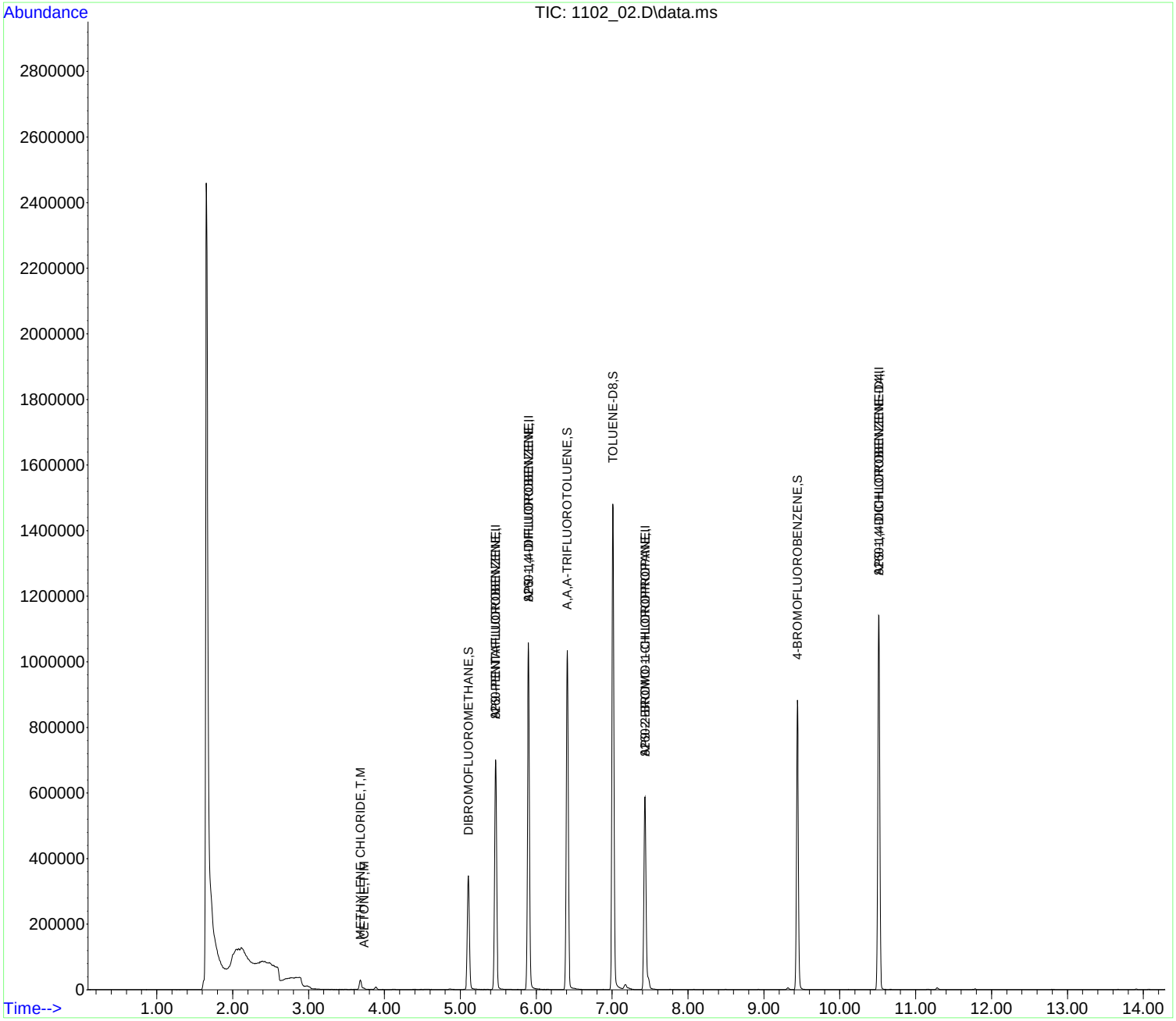

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
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QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	432969	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	800153	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	121645	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	307039	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	432969	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	800153	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	121645	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	307039	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	212648	39.7394479	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 99.35%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	415314	40.7024993	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 101.76%			
46) TOLUENE-D8	7.010	98	1000208	40.7563978	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 101.89%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 102.29%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4358484	No Calib		
3) DICHLORODIFLUOROMETHANE	0.000		0	N.D.		
4) CHLOROMETHANE	1.997	50	378	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	2.447	94	192	N.D.		
7) CHLOROETHANE	2.508	64	576	N.D.		
8) TRICHLOROFLUOROMETHANE	0.000		0	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.730	43	5103	2.3925385	ppb	94
14) IODOMETHANE	3.296	142	217	N.D.		
15) CARBON DISULFIDE	3.200	76	226	N.D.		
16) METHYLENE CHLORIDE	3.682	84	13389	2.0059021	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_02.D
Acq On : 2 Nov 2011 12:41 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:43 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	3.891	56	1929	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.097	117	1716	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	5.319	57	223	N.D.	
35) BENZENE	5.425	78	775	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.405	83	182	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.058	91	1323	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.762	76	322	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_02.D
Acq On : 2 Nov 2011 12:41 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:43 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.495	106	302	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.437	77	2026	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.563	91	207	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	9.884	91	259	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.113	105	457	N.D.	
75)	SEC-BUTYLBENZENE	10.113	105	457	N.D.	
76)	1,3-DICHLOROBENZENE	0.000		0	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.531	146	226	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.547	105	624	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	0.000		0	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.791	128	1255	N.D.	
87)	1,2,3-TRICHLOROBENZENE	12.984	180	210	N.D.	
88)	1-METHYLNAPHTHALENE	13.900	142	880	N.D.	
89)	2-METHYLNAPHTHALENE	14.071	142	674	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.824	43	931	No Calib	#
94)	ACETONITRILE	4.123	41	840	No Calib	#
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.991	59	261	No Calib	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_02.D
Acq On : 2 Nov 2011 12:41 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:43 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

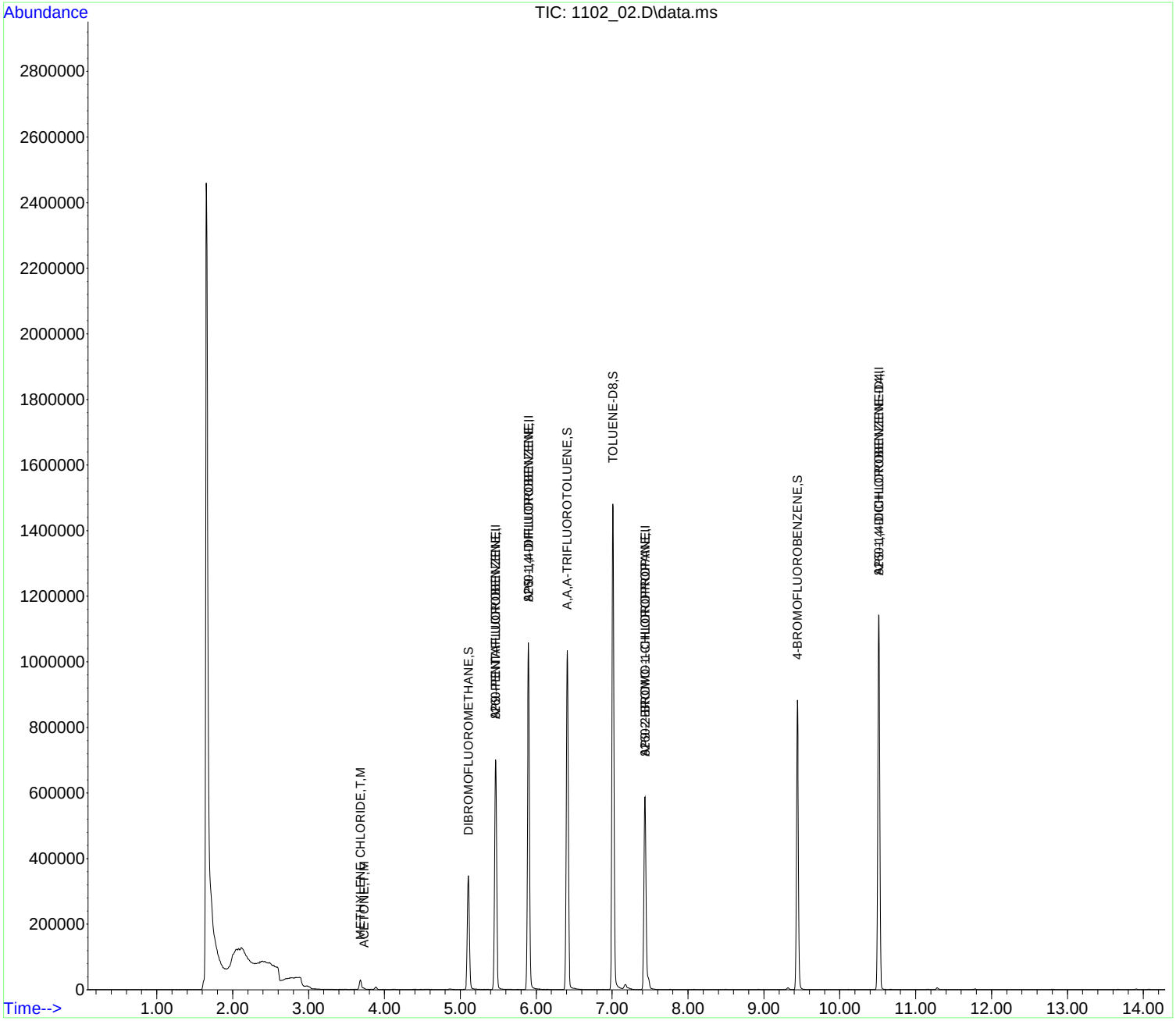
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.	
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.055	43	1101	No Calib	#
101)	METHACRYLONITRILE	5.463	67	1212	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.460	43	782	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.470	73	448	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.897	83	10367	No Calib	#
110)	2-NITROPROPANE	7.431	43	966	No Calib	#
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.409	88	5259	No Calib	#
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	322	No Calib	#
116)	ETHYL METHACRYLATE	0.000		0	N.D.	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	0.000		0	N.D.	
119)	PENTACHLOROETHANE	0.000		0	N.D.	
120)	HEXACHLOROETHANE	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_02.D
Acq On : 2 Nov 2011 12:41 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 2 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:38:43 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:39:02 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	438760	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	804305	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	125030	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	309813	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	439382	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	804305	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	125030	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	309813	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	218187	40.2364052	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 100.59%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	418181	40.7719114	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 101.93%			
46) TOLUENE-D8	7.010	98	1013309	41.0770870	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 102.69%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 100.42%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4448314	No Calib		
3) DICHLORODIFLUOROMETHANE	1.814	85	150	N.D.		
4) CHLOROMETHANE	2.000	50	609	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	2.435	94	234	N.D.		
7) CHLOROETHANE	2.554	64	765	N.D.		
8) TRICHLOROFLUOROMETHANE	2.701	101	158	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	5089	2.3544832	ppb	98
14) IODOMETHANE	3.303	142	414	N.D.		
15) CARBON DISULFIDE	3.206	76	181	N.D.		
16) METHYLENE CHLORIDE	3.682	84	12956	1.9154125	ppb	99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:39:02 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	3.885	56	1750	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1620	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	5.319	57	389	N.D.	
35) BENZENE	5.431	78	739	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.405	83	314	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1223	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	7.441	110	155	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.766	76	486	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) ETHYLBENZENE	0.000		0	N.D.	
59) M&P-XYLENE	8.495	106	320	N.D.	
60) O-XYLENE	0.000		0	N.D.	
61) STYRENE	0.000		0	N.D.	
62) BROMOFORM	0.000		0	N.D.	
63) ISOPROPYLBENZENE	0.000		0	N.D.	
65) BROMOBENZENE	9.441	77	2024	N.D.	
66) 1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67) 1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68) TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69) N-PROPYLBENZENE	9.560	91	174	N.D.	
70) 2-CHLOROTOLUENE	0.000		0	N.D.	
71) 4-CHLOROTOLUENE	0.000		0	N.D.	
72) 1,3,5-TRIMETHYLBENZENE	9.659	105	185	N.D.	
73) TERT-BUTYLBENZENE	0.000		0	N.D.	
74) 1,2,4-TRIMETHYLBENZENE	10.116	105	328	N.D.	
75) SEC-BUTYLBENZENE	10.116	105	328	N.D.	
76) 1,3-DICHLOROBENZENE	10.447	146	188	N.D.	
77) P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79) 1,4-DICHLOROBENZENE	10.527	146	268	N.D.	
80) 1,2,3-TRIMETHYLBENZENE	10.560	105	346	N.D.	
81) 1,2-DICHLOROBENZENE	0.000		0	N.D.	
82) N-BUTYLBENZENE	10.775	91	174	N.D.	
83) 1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84) 1,2,4-TRICHLOROBENZENE	12.450	180	190	N.D.	
85) HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86) NAPHTHALENE	12.791	128	1096	N.D.	
87) 1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88) 1-METHYLNAPHTHALENE	13.904	142	715	N.D.	
89) 2-METHYLNAPHTHALENE	14.061	142	267	N.D.	
91) ETHANOL	0.000		0	N.D.	
92) BROMOETHANE	0.000		0	N.D.	
93) METHYL ACETATE	3.830	43	513	No Calib	#
94) ACETONITRILE	4.119	41	671	No Calib	#
95) ALLYL CHLORIDE	0.000		0	N.D.	
96) TERT-BUTYL ALCOHOL	3.991	59	365	No Calib	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:39:02 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

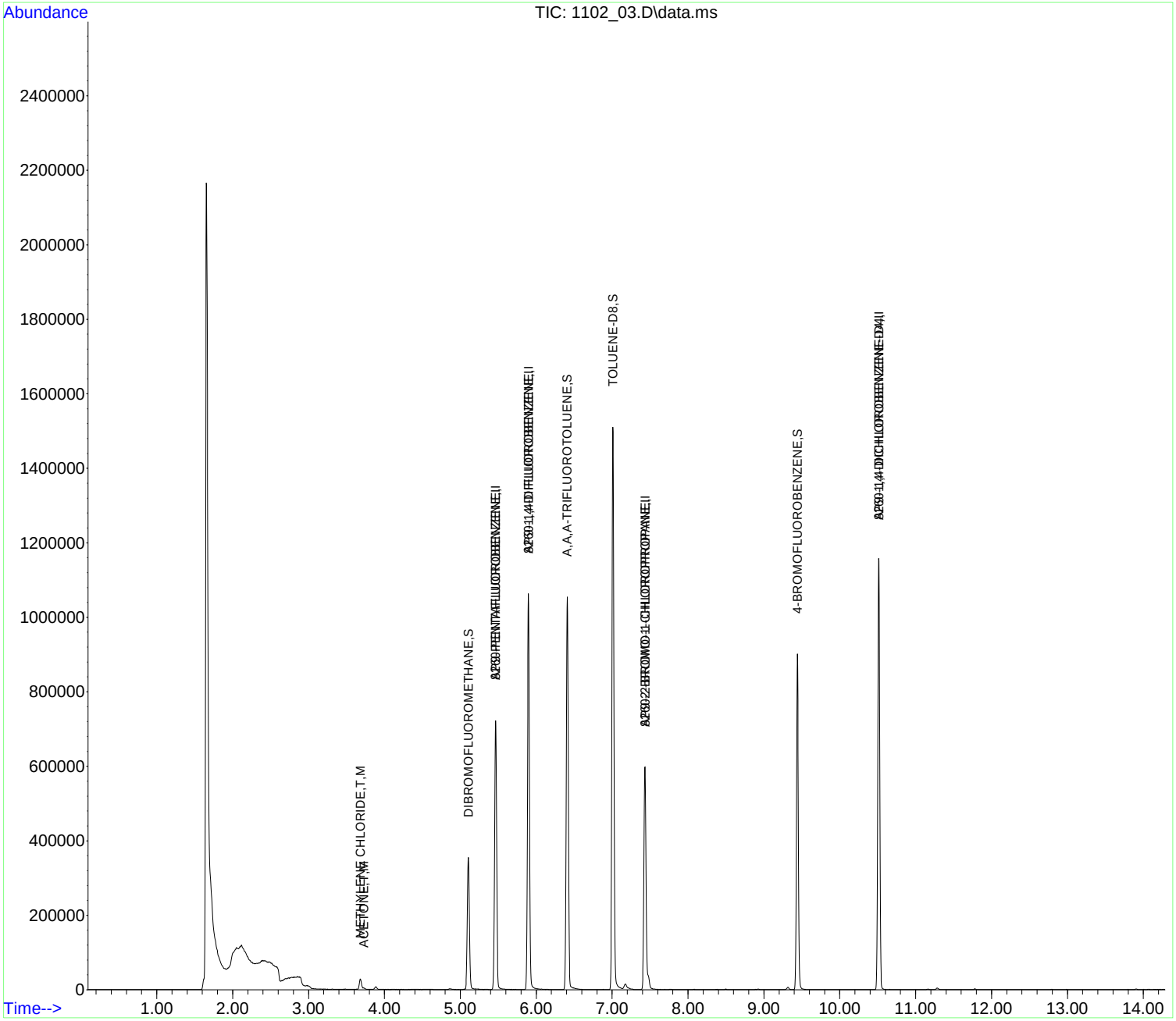
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.052	43	1352	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1366	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.463	43	762	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.463	73	374	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	10898	No Calib		#
110)	2-NITROPROPANE	7.431	43	875	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5030	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	261	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:39:02 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:39:02 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 8260-PENTAFLUOROBENZENE	5.463	168	438760	40.0000000	ppb	0.00
37) 8260-1,4-DIFLUOROBENZENE	5.897	114	804305	40.0000000	ppb	0.00
49) 8260-2-BROMO-1-CHLOROP...	7.434	79	125030	40.0000000	ppb	0.00
78) 8260-1,4-DICHLOROBENZE...	10.515	152	309813	40.0000000	ppb	0.00
90) AP9-PENTAFLUOROBENZENE	5.463	168	439382	40.0000000	ppb	0.00
107) AP9-1,4-DIFLUOROBENZENE	5.897	114	804305	40.0000000	ppb	0.00
115) AP9-2-BROMO-1-CHLOROPR...	7.434	79	125030	40.0000000	ppb	0.00
121) AP9-1,4-DICHLOROBENZEN...	10.515	152	309813	40.0000000	ppb	0.00
System Monitoring Compounds						
30) DIBROMOFLUOROMETHANE	5.106	111	218187	40.2364052	ppb	0.00
Spiked Amount 40.000	Range 63 - 139		Recovery = 100.59%			
42) A,A,A-TRIFLUOROTOLUENE	6.409	146	418181	40.7719114	ppb	0.00
Spiked Amount 40.000	Range 80 - 118		Recovery = 101.93%			
46) TOLUENE-D8	7.010	98	1013309	41.0770870	ppb	0.00
Spiked Amount 40.000	Range 84 - 116		Recovery = 102.69%			
Spiked Amount 40.000	Range 59 - 140		Recovery = 100.42%			
Target Compounds						Qvalue
2) TPH (GC/MS) LOW FRACTION	3.840	TIC	-4448314	No Calib		
3) DICHLORODIFLUOROMETHANE	1.814	85	150	N.D.		
4) CHLOROMETHANE	2.000	50	609	N.D.		
5) VINYL CHLORIDE	0.000		0	N.D.		
6) BROMOMETHANE	2.435	94	234	N.D.		
7) CHLOROETHANE	2.554	64	765	N.D.		
8) TRICHLOROFLUOROMETHANE	2.701	101	158	N.D.		
9) ETHYL ETHER	0.000		0	N.D.		
10) ACROLEIN	0.000		0	N.D.		
11) 1,1-DICHLOROETHENE	0.000		0	N.D.		
12) 1,1,2-TRICHLOROTRIFLUO...	0.000		0	N.D.		
13) ACETONE	3.727	43	5089	2.3544832	ppb	98
14) IODOMETHANE	3.303	142	414	N.D.		
15) CARBON DISULFIDE	3.206	76	181	N.D.		
16) METHYLENE CHLORIDE	3.682	84	12956	1.9154125	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:39:02 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
17) ACRYLONITRILE	0.000		0	N.D.	
18) n-HEXANE	3.885	56	1750	N.D.	
19) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	
20) METHYL TERT-BUTYL ETHER	0.000		0	N.D.	
21) 1,1-DICHLOROETHANE	0.000		0	N.D.	
22) VINYL ACETATE	0.000		0	N.D.	
23) DI-ISOPROPYL ETHER	0.000		0	N.D.	
24) 2,2-DICHLOROPROPANE	0.000		0	N.D.	
25) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	
26) 2-BUTANONE (MEK)	0.000		0	N.D.	
27) BROMOCHLOROMETHANE	0.000		0	N.D.	
28) TETRAHYDROFURAN	0.000		0	N.D.	
29) CHLOROFORM	0.000		0	N.D.	
31) 1,1,1-TRICHLOROETHANE	0.000		0	N.D.	
32) CARBON TETRACHLORIDE	5.100	117	1620	N.D.	
33) 1,1-DICHLOROPROPENE	0.000		0	N.D.	
34) 2,2,4-TRIMETHYLPENTANE	5.319	57	389	N.D.	
35) BENZENE	5.431	78	739	N.D.	
36) 1,2-DICHLOROETHANE	0.000		0	N.D.	
38) TRICHLOROETHENE	0.000		0	N.D.	
39) 1,2-DICHLOROPROPANE	0.000		0	N.D.	
40) DIBROMOMETHANE	0.000		0	N.D.	
41) BROMODICHLOROMETHANE	6.405	83	314	N.D.	
43) 2-CHLOROETHYL VINYL ETHER	0.000		0	N.D.	
44) CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.	
45) 4-METHYL-2-PENTANONE (...	0.000		0	N.D.	
47) TOLUENE	7.055	91	1223	N.D.	
48) TRANS-1,3-DICHLOROPROPENE	7.441	110	155	N.D.	
50) 1,1,2-TRICHLOROETHANE	0.000		0	N.D.	
51) TETRACHLOROETHENE	0.000		0	N.D.	
52) 1,3-DICHLOROPROPANE	7.766	76	486	N.D.	
53) 2-HEXANONE	0.000		0	N.D.	
54) CHLORODIBROMOMETHANE	0.000		0	N.D.	
55) 1,2-DIBROMOETHANE	0.000		0	N.D.	
56) CHLOROBENZENE	0.000		0	N.D.	
57) 1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:39:02 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58)	ETHYLBENZENE	0.000		0	N.D.	
59)	M&P-XYLENE	8.495	106	320	N.D.	
60)	O-XYLENE	0.000		0	N.D.	
61)	STYRENE	0.000		0	N.D.	
62)	BROMOFORM	0.000		0	N.D.	
63)	ISOPROPYLBENZENE	0.000		0	N.D.	
65)	BROMOBENZENE	9.441	77	2024	N.D.	
66)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	
67)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.	
68)	TRANS-1,4-DICHLORO-2-B...	0.000		0	N.D.	
69)	N-PROPYLBENZENE	9.560	91	174	N.D.	
70)	2-CHLOROTOLUENE	0.000		0	N.D.	
71)	4-CHLOROTOLUENE	0.000		0	N.D.	
72)	1,3,5-TRIMETHYLBENZENE	9.659	105	185	N.D.	
73)	TERT-BUTYLBENZENE	0.000		0	N.D.	
74)	1,2,4-TRIMETHYLBENZENE	10.116	105	328	N.D.	
75)	SEC-BUTYLBENZENE	10.116	105	328	N.D.	
76)	1,3-DICHLOROBENZENE	10.447	146	188	N.D.	
77)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	
79)	1,4-DICHLOROBENZENE	10.527	146	268	N.D.	
80)	1,2,3-TRIMETHYLBENZENE	10.560	105	346	N.D.	
81)	1,2-DICHLOROBENZENE	0.000		0	N.D.	
82)	N-BUTYLBENZENE	10.775	91	174	N.D.	
83)	1,2-DIBROMO-3-CHLOROPR...	0.000		0	N.D.	
84)	1,2,4-TRICHLOROBENZENE	12.450	180	190	N.D.	
85)	HEXACHLORO-1,3-BUTADIENE	0.000		0	N.D.	
86)	NAPHTHALENE	12.791	128	1096	N.D.	
87)	1,2,3-TRICHLOROBENZENE	0.000		0	N.D.	
88)	1-METHYLNAPHTHALENE	13.904	142	715	N.D.	
89)	2-METHYLNAPHTHALENE	14.061	142	267	N.D.	
91)	ETHANOL	0.000		0	N.D.	
92)	BROMOETHANE	0.000		0	N.D.	
93)	METHYL ACETATE	3.830	43	513	No Calib	#
94)	ACETONITRILE	4.119	41	671	No Calib	#
95)	ALLYL CHLORIDE	0.000		0	N.D.	
96)	TERT-BUTYL ALCOHOL	3.991	59	365	No Calib	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:39:02 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

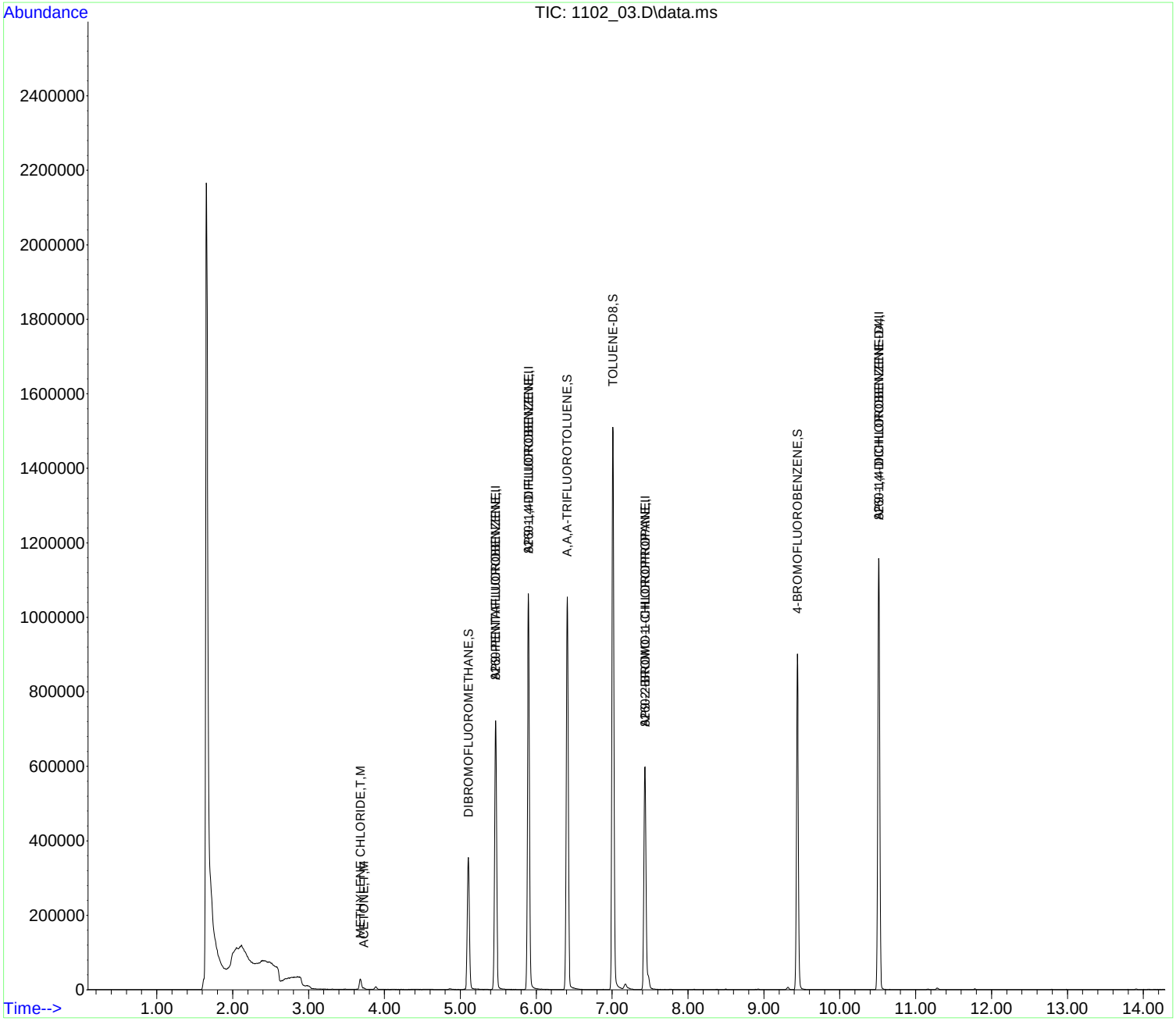
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	CHLOROPRENE	0.000		0	N.D.		
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.		
99)	PROPIONITRILE	0.000		0	N.D.		
100)	ETHYL ACETATE	5.052	43	1352	No Calib		#
101)	METHACRYLONITRILE	5.463	67	1366	No Calib		#
102)	CYCLOHEXANE	0.000		0	N.D.		
103)	TERT-BUTYL FORMATE	0.000		0	N.D.		
104)	ISOBUTANOL	5.463	43	762	No Calib		#
105)	T-AMYL ALCOHOL	0.000		0	N.D.		
106)	TERT-AMYL METHYL ETHER	5.463	73	374	No Calib		#
108)	N-BUTANOL	0.000		0	N.D.		
109)	METHYL CYCLOHEXANE	5.897	83	10898	No Calib		#
110)	2-NITROPROPANE	7.431	43	875	No Calib		#
111)	METHYL METHACRYLATE	0.000		0	N.D.		
112)	1,4-DIOXANE	6.409	88	5030	No Calib		#
113)	N-OCTANE	0.000		0	N.D.		
114)	3,3-DIMETHYL-1-BUTANOL	7.010	59	261	No Calib		#
116)	ETHYL METHACRYLATE	0.000		0	N.D.		
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.		
118)	CYCLOHEXANONE	0.000		0	N.D.		
119)	PENTACHLOROETHANE	0.000		0	N.D.		
120)	HEXACHLOROETHANE	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_03.D
Acq On : 2 Nov 2011 1:03 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 3 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:39:02 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_14.D
Acq On : 2 Nov 2011 10:47 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:37:58 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	461656	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	831427	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.431	79	128118	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	319384	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	461656	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.897	114	831427	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.431	79	128118	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.515	152	319384	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.106	111	218504	38.2964252	ppb	0.00
	Spiked Amount 40.000	Range 63 - 139		Recovery = 95.74%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	440315	41.5295190	ppb	0.00
	Spiked Amount 40.000	Range 80 - 118		Recovery = 103.82%			
46)	TOLUENE-D8	7.010	98	1032923	40.5062772	ppb	0.00
	Spiked Amount 40.000	Range 84 - 116		Recovery = 101.27%			
	Spiked Amount 40.000	Range 59 - 140		Recovery = 100.83%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	-4502873	No Calib		
3)	DICHLORODIFLUOROMETHANE	1.814	85	483	N.D.		
4)	CHLOROMETHANE	2.020	50	1628	N.D.		
5)	VINYL CHLORIDE	2.103	62	881	N.D.		
6)	BROMOMETHANE	2.431	94	1111	N.D.		
7)	CHLOROETHANE	2.547	64	872	N.D.		
8)	TRICHLOROFLUOROMETHANE	2.698	101	720	N.D.		
9)	ETHYL ETHER	2.991	59	1460	N.D.		
10)	ACROLEIN	3.476	56	2431	2.9545802	ppb	93
11)	1,1-DICHLOROETHENE	3.171	96	582	N.D.		
12)	1,1,2-TRICHLOROTRIFLUO...	3.206	101	363	N.D.		
13)	ACETONE	3.724	43	9737	4.2815090	ppb	92
14)	IODOMETHANE	3.306	142	6988	0.9653862	ppb #	87
15)	CARBON DISULFIDE	3.200	76	1829	N.D.		
16)	METHYLENE CHLORIDE	3.679	84	5818	0.8174734	ppb	98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_14.D
Acq On : 2 Nov 2011 10:47 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:37:58 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
17)	ACRYLONITRILE	4.370	53	10229	3.9508157 ppb		97
18)	n-HEXANE	3.891	56	890	N.D.		
19)	TRANS-1,2-DICHLOROETHENE	3.820	96	1159	N.D.		
20)	METHYL TERT-BUTYL ETHER	3.920	73	4186	N.D.		
21)	1,1-DICHLOROETHANE	4.328	63	1294	N.D.		
22)	VINYL ACETATE	4.521	43	24362	1.7310816 ppb		97
23)	DI-ISOPROPYL ETHER	4.219	45	3232	N.D.		
24)	2,2-DICHLOROPROPANE	4.856	77	772	N.D.		
25)	CIS-1,2-DICHLOROETHENE	4.756	96	1406	N.D.		
26)	2-BUTANONE (MEK)	5.209	72	1803	2.0084098 ppb	#	66
27)	BROMOCHLOROMETHANE	4.910	130	915	N.D.		
28)	TETRAHYDROFURAN	5.097	42	679	0.3057118 ppb	#	65
29)	CHLOROFORM	4.965	83	1335	N.D.		
31)	1,1,1-TRICHLOROETHANE	5.135	97	563	N.D.		
32)	CARBON TETRACHLORIDE	5.094	117	2088	N.D.		
33)	1,1-DICHLOROPROPENE	5.235	75	1219	N.D.		
34)	2,2,4-TRIMETHYLPENTANE	5.312	57	3500	N.D.		
35)	BENZENE	5.428	78	4397	N.D.		
36)	1,2-DICHLOROETHANE	5.582	62	2589	N.D.		
38)	TRICHLOROETHENE	5.885	130	992	N.D.		
39)	1,2-DICHLOROPROPANE	6.296	62	686	N.D.		
40)	DIBROMOMETHANE	6.219	93	1416	0.3900737 ppb		99
41)	BROMODICHLOROMETHANE	6.341	83	1021	N.D.		
43)	2-CHLOROETHYL VINYL ETHER	6.788	63	1280	0.4133818 ppb	#	88
44)	CIS-1,3-DICHLOROPROPENE	6.852	75	1851	N.D.		
45)	4-METHYL-2-PENTANONE (...	7.357	58	4895	1.8152108 ppb		91
47)	TOLUENE	7.055	91	5902	N.D.		
48)	TRANS-1,3-DICHLOROPROPENE	7.389	110	596	N.D.		
50)	1,1,2-TRICHLOROETHANE	7.531	97	1739	0.3217734 ppb		88
51)	TETRACHLOROETHENE	7.376	164	832	N.D.		
52)	1,3-DICHLOROPROPANE	7.765	76	3883	0.3611727 ppb		99
53)	2-HEXANONE	8.071	58	6571	2.7971029 ppb		95
55)	1,2-DIBROMOETHANE	7.904	107	2127	0.4374898 ppb		91
56)	CHLOROBENZENE	8.357	112	4706	N.D.		
57)	1,1,1,2-TETRACHLOROETHANE	8.399	133	597	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_14.D
Acq On : 2 Nov 2011 10:47 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:37:58 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
58) ETHYLBENZENE	8.370	106	1991	N.D.		
59) M&P-XYLENE	8.495	106	5140	0.3914771 ppb		98
60) O-XYLENE	8.884	106	2271	N.D.		
61) STYRENE	8.936	104	5109	N.D.		
62) BROMOFORM	8.962	173	564	0.7022260 ppb	#	45
63) ISOPROPYLBENZENE	9.177	105	4951	N.D.		
65) BROMOBENZENE	9.547	77	6868	0.4461503 ppb		98
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	3601	0.5037822 ppb	#	98
67) 1,2,3-TRICHLOROPROPANE	9.756	110	1272	0.6062586 ppb	#	69
68) TRANS-1,4-DICHLORO-2-B...	9.791	53	1058	0.5807904 ppb	#	54
69) N-PROPYLBENZENE	9.563	91	9484	N.D.		
70) 2-CHLOROTOLUENE	9.717	91	6768	N.D.		
71) 4-CHLOROTOLUENE	9.871	91	8632	0.3605236 ppb		97
72) 1,3,5-TRIMETHYLBENZENE	9.746	105	5837	N.D.		
73) TERT-BUTYLBENZENE	10.052	119	4870	N.D.		
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	8164	0.3017982 ppb		96
75) SEC-BUTYLBENZENE	10.225	105	9989	N.D.		
76) 1,3-DICHLOROBENZENE	10.444	146	7423	0.5440680 ppb	#	82
77) P-ISOPROPYLTOLUENE	10.363	119	8724	0.3066534 ppb	#	93
79) 1,4-DICHLOROBENZENE	10.527	146	10226	0.7378016 ppb	#	1
80) 1,2,3-TRIMETHYLBENZENE	10.550	105	11480	0.3936167 ppb		91
81) 1,2-DICHLOROBENZENE	10.945	146	8997	0.7376352 ppb		98
82) N-BUTYLBENZENE	10.778	91	13827	0.4911555 ppb		97
83) 1,2-DIBROMO-3-CHLOROPR...	11.756	157	1252	1.4940133 ppb		92
84) 1,2,4-TRICHLOROBENZENE	12.450	180	20681	2.7493373 ppb		99
85) HEXACHLORO-1,3-BUTADIENE	12.418	225	6901	1.4569402 ppb		94
86) NAPHTHALENE	12.791	128	72023	3.8083839 ppb		99
87) 1,2,3-TRICHLOROBENZENE	12.984	180	24518	3.5193253 ppb		100
88) 1-METHYLNAPHTHALENE	13.907	142	82866	8.6864030 ppb		99
91) ETHANOL	3.126	45	202	No Calib	#	
92) BROMOETHANE	0.000		0	N.D.		
93) METHYL ACETATE	3.830	43	670	No Calib	#	
94) ACETONITRILE	4.116	41	595	No Calib	#	
95) ALLYL CHLORIDE	0.000		0	N.D.		
96) TERT-BUTYL ALCOHOL	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\110211\
Data File : 1102_14.D
Acq On : 2 Nov 2011 10:47 am
Operator : 209
Sample : INSTBLK VMS
Misc : soil ISSURR10G08815
ALS Vial : 14 Sample Multiplier: 1
InstName : VOCMS22

Quant Time: Nov 02 13:37:58 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22

Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.370	53	10229	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.052	43	1505	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1363	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.463	43	902	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.463	73	346	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.901	83	10562	No Calib	#
110)	2-NITROPROPANE	7.357	43	13501	No Calib	
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.409	88	5689	No Calib	#
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	240	No Calib	#
116)	ETHYL METHACRYLATE	0.000		0	N.D.	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	0.000		0	N.D.	
119)	PENTACHLOROETHANE	10.119	117	286	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	288	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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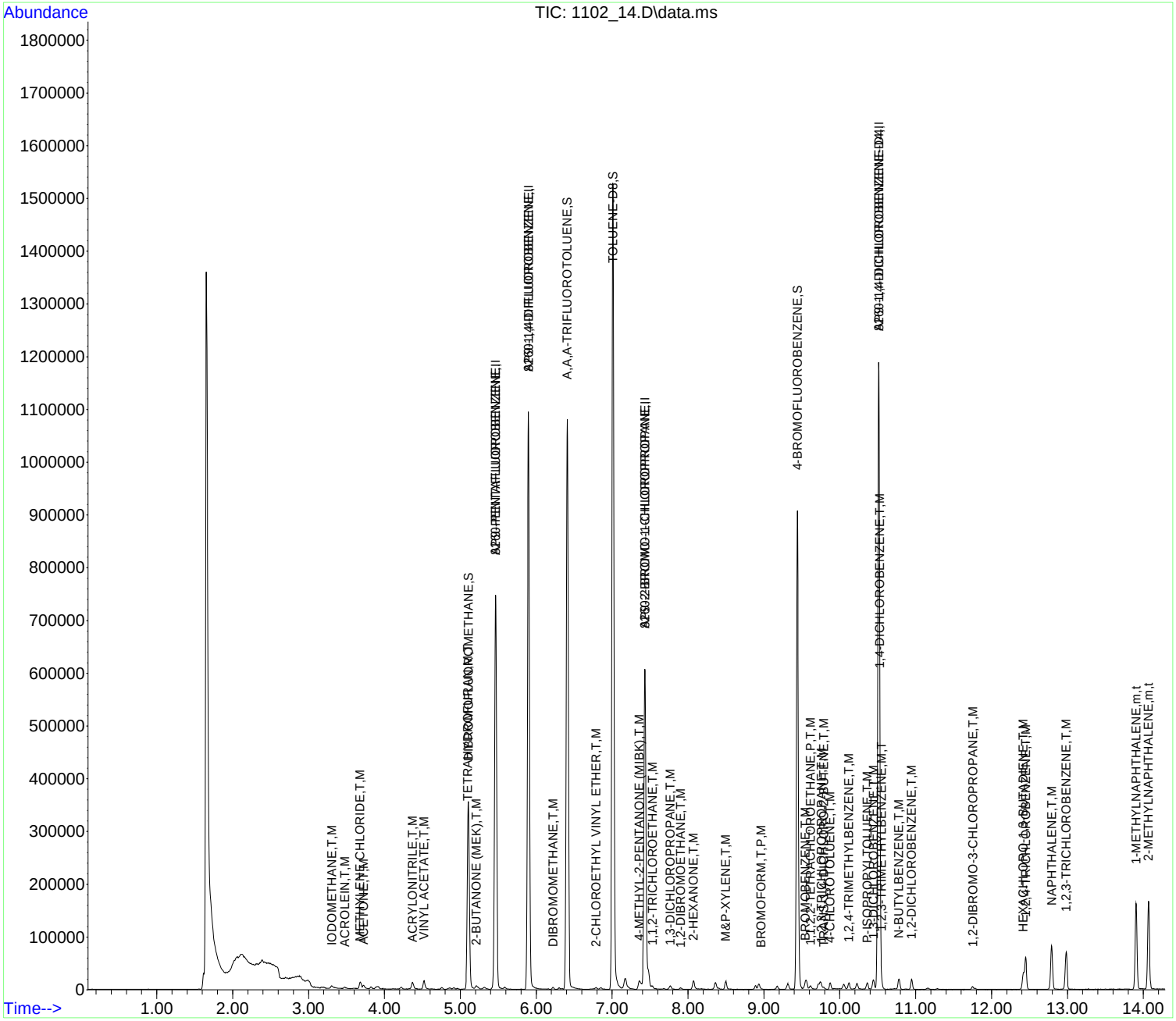
QLast Update : Wed Nov 02 13:37:07 2011



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Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1)	8260-PENTAFLUOROBENZENE	5.463	168	461656	40.0000000	ppb	0.00
37)	8260-1,4-DIFLUOROBENZENE	5.897	114	831427	40.0000000	ppb	0.00
49)	8260-2-BROMO-1-CHLOROP...	7.431	79	128118	40.0000000	ppb	0.00
78)	8260-1,4-DICHLOROBENZE...	10.515	152	319384	40.0000000	ppb	0.00
90)	AP9-PENTAFLUOROBENZENE	5.463	168	461656	40.0000000	ppb	0.00
107)	AP9-1,4-DIFLUOROBENZENE	5.897	114	831427	40.0000000	ppb	0.00
115)	AP9-2-BROMO-1-CHLOROPR...	7.431	79	128118	40.0000000	ppb	0.00
121)	AP9-1,4-DICHLOROBENZEN...	10.515	152	319384	40.0000000	ppb	0.00
System Monitoring Compounds							
30)	DIBROMOFLUOROMETHANE	5.106	111	218504	38.2964252	ppb	0.00
	Spiked Amount 40.000	Range 63 - 139		Recovery = 95.74%			
42)	A,A,A-TRIFLUOROTOLUENE	6.409	146	440315	41.5295190	ppb	0.00
	Spiked Amount 40.000	Range 80 - 118		Recovery = 103.82%			
46)	TOLUENE-D8	7.010	98	1032923	40.5062772	ppb	0.00
	Spiked Amount 40.000	Range 84 - 116		Recovery = 101.27%			
	Spiked Amount 40.000	Range 59 - 140		Recovery = 100.83%			
Target Compounds							Qvalue
2)	TPH (GC/MS) LOW FRACTION	3.840	TIC	-4502873	No Calib		
3)	DICHLORODIFLUOROMETHANE	1.814	85	483	N.D.		
4)	CHLOROMETHANE	2.020	50	1628	N.D.		
5)	VINYL CHLORIDE	2.103	62	881	N.D.		
6)	BROMOMETHANE	2.431	94	1111	N.D.		
7)	CHLOROETHANE	2.547	64	872	N.D.		
8)	TRICHLOROFLUOROMETHANE	2.698	101	720	N.D.		
9)	ETHYL ETHER	2.991	59	1460	N.D.		
10)	ACROLEIN	3.476	56	2431	2.9545802	ppb	93
11)	1,1-DICHLOROETHENE	3.171	96	582	N.D.		
12)	1,1,2-TRICHLOROTRIFLUO...	3.206	101	363	N.D.		
13)	ACETONE	3.724	43	9737	4.2815090	ppb	92
14)	IODOMETHANE	3.306	142	6988	0.9653862	ppb #	87
15)	CARBON DISULFIDE	3.200	76	1829	N.D.		
16)	METHYLENE CHLORIDE	3.679	84	5818	0.8174734	ppb	98

Quantitation Report (QT Reviewed)

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Quant Time: Nov 02 13:37:58 2011
Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
17) ACRYLONITRILE	4.370	53	10229	3.9508157 ppb		97
18) n-HEXANE	3.891	56	890	N.D.		
19) TRANS-1,2-DICHLOROETHENE	3.820	96	1159	N.D.		
20) METHYL TERT-BUTYL ETHER	3.920	73	4186	N.D.		
21) 1,1-DICHLOROETHANE	4.328	63	1294	N.D.		
22) VINYL ACETATE	4.521	43	24362	1.7310816 ppb		97
23) DI-ISOPROPYL ETHER	4.219	45	3232	N.D.		
24) 2,2-DICHLOROPROPANE	4.856	77	772	N.D.		
25) CIS-1,2-DICHLOROETHENE	4.756	96	1406	N.D.		
26) 2-BUTANONE (MEK)	5.209	72	1803	2.0084098 ppb	#	66
27) BROMOCHLOROMETHANE	4.910	130	915	N.D.		
28) TETRAHYDROFURAN	5.097	42	679	0.3057118 ppb	#	65
29) CHLOROFORM	4.965	83	1335	N.D.		
31) 1,1,1-TRICHLOROETHANE	5.135	97	563	N.D.		
32) CARBON TETRACHLORIDE	5.094	117	2088	N.D.		
33) 1,1-DICHLOROPROPENE	5.235	75	1219	N.D.		
34) 2,2,4-TRIMETHYLPENTANE	5.312	57	3500	N.D.		
35) BENZENE	5.428	78	4397	N.D.		
36) 1,2-DICHLOROETHANE	5.582	62	2589	N.D.		
38) TRICHLOROETHENE	5.885	130	992	N.D.		
39) 1,2-DICHLOROPROPANE	6.296	62	686	N.D.		
40) DIBROMOMETHANE	6.219	93	1416	0.3900737 ppb		99
41) BROMODICHLOROMETHANE	6.341	83	1021	N.D.		
43) 2-CHLOROETHYL VINYL ETHER	6.788	63	1280	0.4133818 ppb	#	88
44) CIS-1,3-DICHLOROPROPENE	6.852	75	1851	N.D.		
45) 4-METHYL-2-PENTANONE (...	7.357	58	4895	1.8152108 ppb		91
47) TOLUENE	7.055	91	5902	N.D.		
48) TRANS-1,3-DICHLOROPROPENE	7.389	110	596	N.D.		
50) 1,1,2-TRICHLOROETHANE	7.531	97	1739	0.3217734 ppb		88
51) TETRACHLOROETHENE	7.376	164	832	N.D.		
52) 1,3-DICHLOROPROPANE	7.765	76	3883	0.3611727 ppb		99
53) 2-HEXANONE	8.071	58	6571	2.7971029 ppb		95
55) 1,2-DIBROMOETHANE	7.904	107	2127	0.4374898 ppb		91
56) CHLOROBENZENE	8.357	112	4706	N.D.		
57) 1,1,1,2-TETRACHLOROETHANE	8.399	133	597	N.D.		

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Data File : 1102_14.D
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Quant Method : C:\msdchem\1\methods\V822K02K.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS22
QLast Update : Wed Nov 02 13:37:07 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
58) ETHYLBENZENE	8.370	106	1991	N.D.		
59) M&P-XYLENE	8.495	106	5140	0.3914771 ppb		98
60) O-XYLENE	8.884	106	2271	N.D.		
61) STYRENE	8.936	104	5109	N.D.		
62) BROMOFORM	8.962	173	564	0.7022260 ppb	#	45
63) ISOPROPYLBENZENE	9.177	105	4951	N.D.		
65) BROMOBENZENE	9.547	77	6868	0.4461503 ppb		98
66) 1,1,2,2-TETRACHLOROETHANE	9.614	83	3601	0.5037822 ppb	#	98
67) 1,2,3-TRICHLOROPROPANE	9.756	110	1272	0.6062586 ppb	#	69
68) TRANS-1,4-DICHLORO-2-B...	9.791	53	1058	0.5807904 ppb	#	54
69) N-PROPYLBENZENE	9.563	91	9484	N.D.		
70) 2-CHLOROTOLUENE	9.717	91	6768	N.D.		
71) 4-CHLOROTOLUENE	9.871	91	8632	0.3605236 ppb		97
72) 1,3,5-TRIMETHYLBENZENE	9.746	105	5837	N.D.		
73) TERT-BUTYLBENZENE	10.052	119	4870	N.D.		
74) 1,2,4-TRIMETHYLBENZENE	10.119	105	8164	0.3017982 ppb		96
75) SEC-BUTYLBENZENE	10.225	105	9989	N.D.		
76) 1,3-DICHLOROBENZENE	10.444	146	7423	0.5440680 ppb	#	82
77) P-ISOPROPYLTOLUENE	10.363	119	8724	0.3066534 ppb	#	93
79) 1,4-DICHLOROBENZENE	10.527	146	10226	0.7378016 ppb	#	1
80) 1,2,3-TRIMETHYLBENZENE	10.550	105	11480	0.3936167 ppb		91
81) 1,2-DICHLOROBENZENE	10.945	146	8997	0.7376352 ppb		98
82) N-BUTYLBENZENE	10.778	91	13827	0.4911555 ppb		97
83) 1,2-DIBROMO-3-CHLOROPR...	11.756	157	1252	1.4940133 ppb		92
84) 1,2,4-TRICHLOROBENZENE	12.450	180	20681	2.7493373 ppb		99
85) HEXACHLORO-1,3-BUTADIENE	12.418	225	6901	1.4569402 ppb		94
86) NAPHTHALENE	12.791	128	72023	3.8083839 ppb		99
87) 1,2,3-TRICHLOROBENZENE	12.984	180	24518	3.5193253 ppb		100
88) 1-METHYLNAPHTHALENE	13.907	142	82866	8.6864030 ppb		99
91) ETHANOL	3.126	45	202	No Calib	#	
92) BROMOETHANE	0.000		0	N.D.		
93) METHYL ACETATE	3.830	43	670	No Calib	#	
94) ACETONITRILE	4.116	41	595	No Calib	#	
95) ALLYL CHLORIDE	0.000		0	N.D.		
96) TERT-BUTYL ALCOHOL	0.000		0	N.D.		

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Quant Method : C:\msdchem\1\methods\V822K02K.M
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Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
97)	CHLOROPRENE	4.370	53	10229	No Calib	#
98)	ETHYL TERT-BUTYL ETHER	0.000		0	N.D.	
99)	PROPIONITRILE	0.000		0	N.D.	
100)	ETHYL ACETATE	5.052	43	1505	No Calib	#
101)	METHACRYLONITRILE	5.460	67	1363	No Calib	#
102)	CYCLOHEXANE	0.000		0	N.D.	
103)	TERT-BUTYL FORMATE	0.000		0	N.D.	
104)	ISOBUTANOL	5.463	43	902	No Calib	#
105)	T-AMYL ALCOHOL	0.000		0	N.D.	
106)	TERT-AMYL METHYL ETHER	5.463	73	346	No Calib	#
108)	N-BUTANOL	0.000		0	N.D.	
109)	METHYL CYCLOHEXANE	5.901	83	10562	No Calib	#
110)	2-NITROPROPANE	7.357	43	13501	No Calib	
111)	METHYL METHACRYLATE	0.000		0	N.D.	
112)	1,4-DIOXANE	6.409	88	5689	No Calib	#
113)	N-OCTANE	0.000		0	N.D.	
114)	3,3-DIMETHYL-1-BUTANOL	7.013	59	240	No Calib	#
116)	ETHYL METHACRYLATE	0.000		0	N.D.	
117)	CIS-1,4-DICHLORO-2-BUTENE	0.000		0	N.D.	
118)	CYCLOHEXANONE	0.000		0	N.D.	
119)	PENTACHLOROETHANE	10.119	117	286	No Calib	#
120)	HEXACHLOROETHANE	10.775	117	288	No Calib	#

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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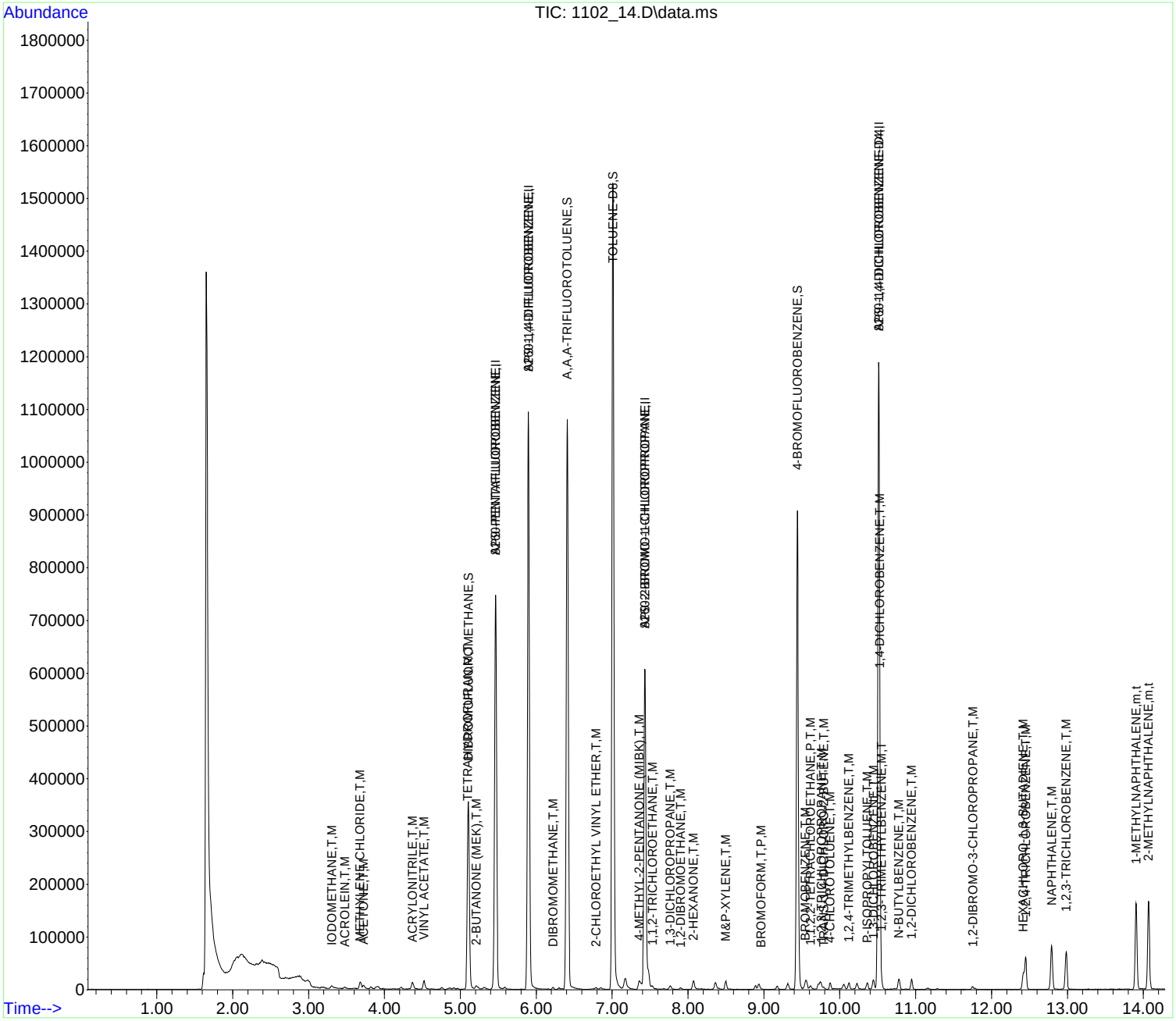

Semi-volatile Organic Compounds by Method 8270C

12065 Lebanon Rd
Mt. Juliet, TN 37122
(615) 758-5858
(800) 767-5859
Fax (615) 758-5859
Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L544884

Semi-volatile Organic Compounds by Method 8270C
Terracon - Lenexa, KS

Project: Bannister Complex, KCMO
Project No: 02107144

Login No: L544884

Lab SampleID.	Client ID
L544884-01	KC91-152U
L544884-02	KC91-152L
L544884-03	KC91-156L
L544884-04	KC91-156U
L544884-05	KC91-157U
L544884-06	KC91-15L
L544884-07	DUP
L544884-08	RINSATE BLANK
L544884-09	TRIP BLANK

I certify that this data package accurately represents the information in the raw data found herein, both technically and for completeness. Release of the data contained in this data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: ESC Lab Sciences

Date: _____ Title: Quality Control

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Method Blank

Analyte	CAS	PQL	Qualifiers
n-Nitrosodimethylamine	62-75-9	<0.0100	
Bis(2-chloroethyl)ether	111-44-4	<0.0100	
Phenol	108-95-2	<0.0100	
2-Chlorophenol	95-57-8	<0.0100	
Bis(2-chloroisopropyl)ether	108-60-1	<0.0100	
Hexachloroethane	67-72-1	<0.0100	
n-Nitrosodi-n-propylamine	621-64-7	<0.0100	
Nitrobenzene	98-95-3	<0.0100	
Isophorone	78-59-1	<0.0100	
2-Nitrophenol	88-75-5	<0.0100	
2,4-Dimethylphenol	105-67-9	<0.0100	
Bis(2-chlorethoxy)methane	111-91-1	<0.0100	
2,4-Dichlorophenol	120-83-2	<0.0100	
1,2,4-Trichlorobenzene	120-82-1	<0.0100	
Naphthalene	91-20-3	<0.0010	
Hexachloro-1,3-butadiene	87-68-3	<0.0100	
4-Chloro-3-methylphenol	59-50-7	<0.0100	
Hexachlorocyclopentadiene	77-47-4	<0.0100	
2,4,6-Trichlorophenol	88-06-2	<0.0100	
2-Chloronaphthalene	91-58-7	<0.0010	
Acenaphthylene	208-96-8	<0.0010	
Dimethyl phthalate	131-11-3	<0.0010	
2,6-Dinitrotoluene	606-20-2	<0.0100	
Acenaphthene	83-32-9	<0.0010	
2,4-Dinitrophenol	51-28-5	<0.0100	
2,4-Dinitrotoluene	121-14-2	<0.0100	
4-Nitrophenol	100-02-7	<0.0100	
Fluorene	86-73-7	<0.0010	
4-Chlorophenyl-phenylether	7005-72-3	<0.0100	
Diethyl phthalate	84-66-2	<0.0010	
4,6-Dinitro-2-methylphenol	534-52-1	<0.0100	
n-Nitrosodiphenylamine	86-30-6	<0.0100	
4-Bromophenyl-phenylether	101-55-3	<0.0100	
Hexachlorobenzene	118-74-1	<0.0010	
Pentachlorophenol	87-86-5	<0.0100	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Method Blank

Analyte	CAS	PQL	Qualifiers
Phenanthrene	85-01-8	<0.0010	
Anthracene	120-12-7	<0.0010	
Di-n-butyl phthalate	84-74-2	<0.0010	
Fluoranthene	206-44-0	<0.0010	
Benzidine	92-87-5	<0.0100	
Pyrene	129-00-0	<0.0010	
Benzylbutyl phthalate	85-68-7	<0.0010	
Benzo(a)anthracene	56-55-3	<0.0010	
Chrysene	218-01-9	<0.0010	
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0010	
Di-n-octyl phthalate	117-84-0	<0.0010	
Benzo(b)fluoranthene	205-99-2	<0.0010	
Benzo(k)fluoranthene	207-08-9	<0.0010	
Benzo(a)pyrene	50-32-8	<0.0010	
Indeno(1,2,3-cd)pyrene	193-39-5	<0.0010	
Dibenz(a,h)anthracene	53-70-3	<0.0010	
Benzo(g,h,i)perylene	191-24-2	<0.0010	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Method Blank

Analyte	CAS	PQL	Qualifiers
n-Nitrosodimethylamine	62-75-9	<0.0100	
Bis(2-chloroethyl)ether	111-44-4	<0.0100	
Phenol	108-95-2	<0.0100	
2-Chlorophenol	95-57-8	<0.0100	
Bis(2-chloroisopropyl)ether	108-60-1	<0.0100	
Hexachloroethane	67-72-1	<0.0100	
n-Nitrosodi-n-propylamine	621-64-7	<0.0100	
Nitrobenzene	98-95-3	<0.0100	
Isophorone	78-59-1	<0.0100	
2-Nitrophenol	88-75-5	<0.0100	
2,4-Dimethylphenol	105-67-9	<0.0100	
Bis(2-chlorethoxy)methane	111-91-1	<0.0100	
2,4-Dichlorophenol	120-83-2	<0.0100	
1,2,4-Trichlorobenzene	120-82-1	<0.0100	
Naphthalene	91-20-3	<0.0010	
Hexachloro-1,3-butadiene	87-68-3	<0.0100	
4-Chloro-3-methylphenol	59-50-7	<0.0100	
Hexachlorocyclopentadiene	77-47-4	<0.0100	
2,4,6-Trichlorophenol	88-06-2	<0.0100	
2-Chloronaphthalene	91-58-7	<0.0010	
Acenaphthylene	208-96-8	<0.0010	
Dimethyl phthalate	131-11-3	<0.0010	
2,6-Dinitrotoluene	606-20-2	<0.0100	
Acenaphthene	83-32-9	<0.0010	
2,4-Dinitrophenol	51-28-5	<0.0100	
2,4-Dinitrotoluene	121-14-2	<0.0100	
4-Nitrophenol	100-02-7	<0.0100	
Fluorene	86-73-7	<0.0010	
4-Chlorophenyl-phenylether	7005-72-3	<0.0100	
Diethyl phthalate	84-66-2	<0.0010	
4,6-Dinitro-2-methylphenol	534-52-1	<0.0100	
n-Nitrosodiphenylamine	86-30-6	<0.0100	
4-Bromophenyl-phenylether	101-55-3	<0.0100	
Hexachlorobenzene	118-74-1	<0.0010	
Pentachlorophenol	87-86-5	<0.0100	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Method Blank

Analyte	CAS	PQL	Qualifiers
Phenanthrene	85-01-8	<0.0010	
Anthracene	120-12-7	<0.0010	
Di-n-butyl phthalate	84-74-2	<0.0010	B
Fluoranthene	206-44-0	<0.0010	
Benzidine	92-87-5	<0.0100	
Pyrene	129-00-0	<0.0010	
Benzylbutyl phthalate	85-68-7	<0.0010	
Benzo(a)anthracene	56-55-3	<0.0010	
Chrysene	218-01-9	<0.0010	
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0010	
Di-n-octyl phthalate	117-84-0	<0.0010	
Benzo(b)fluoranthene	205-99-2	<0.0010	
Benzo(k)fluoranthene	207-08-9	<0.0010	
Benzo(a)pyrene	50-32-8	<0.0010	
Indeno(1,2,3-cd)pyrene	193-39-5	<0.0010	
Dibenz(a,h)anthracene	53-70-3	<0.0010	
Benzo(g,h,i)perylene	191-24-2	<0.0010	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Method Blank

Analyte	CAS	PQL	Qualifiers
n-Nitrosodimethylamine	62-75-9	<0.0100	
Bis(2-chloroethyl)ether	111-44-4	<0.0100	
Phenol	108-95-2	<0.0100	
2-Chlorophenol	95-57-8	<0.0100	
Bis(2-chloroisopropyl)ether	108-60-1	<0.0100	
Hexachloroethane	67-72-1	<0.0100	
n-Nitrosodi-n-propylamine	621-64-7	<0.0100	
Nitrobenzene	98-95-3	<0.0100	
Isophorone	78-59-1	<0.0100	
2-Nitrophenol	88-75-5	<0.0100	
2,4-Dimethylphenol	105-67-9	<0.0100	
Bis(2-chlorethoxy)methane	111-91-1	<0.0100	
2,4-Dichlorophenol	120-83-2	<0.0100	
1,2,4-Trichlorobenzene	120-82-1	<0.0100	
Naphthalene	91-20-3	<0.0010	
Hexachloro-1,3-butadiene	87-68-3	<0.0100	
4-Chloro-3-methylphenol	59-50-7	<0.0100	
Hexachlorocyclopentadiene	77-47-4	<0.0100	
2,4,6-Trichlorophenol	88-06-2	<0.0100	
2-Chloronaphthalene	91-58-7	<0.0010	
Acenaphthylene	208-96-8	<0.0010	
Dimethyl phthalate	131-11-3	<0.0010	
2,6-Dinitrotoluene	606-20-2	<0.0100	
Acenaphthene	83-32-9	<0.0010	
2,4-Dinitrophenol	51-28-5	<0.0100	
2,4-Dinitrotoluene	121-14-2	<0.0100	
4-Nitrophenol	100-02-7	<0.0100	
Fluorene	86-73-7	<0.0010	
4-Chlorophenyl-phenylether	7005-72-3	<0.0100	
Diethyl phthalate	84-66-2	<0.0010	
4,6-Dinitro-2-methylphenol	534-52-1	<0.0100	
n-Nitrosodiphenylamine	86-30-6	<0.0100	
4-Bromophenyl-phenylether	101-55-3	<0.0100	
Hexachlorobenzene	118-74-1	<0.0010	
Pentachlorophenol	87-86-5	<0.0100	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Method Blank

Analyte	CAS	PQL	Qualifiers
Phenanthrene	85-01-8	<0.0010	
Anthracene	120-12-7	<0.0010	
Di-n-butyl phthalate	84-74-2	<0.0010	
Fluoranthene	206-44-0	<0.0010	
Benzidine	92-87-5	<0.0100	
Pyrene	129-00-0	<0.0010	
Benzylbutyl phthalate	85-68-7	<0.0010	
Benzo(a)anthracene	56-55-3	<0.0010	
Chrysene	218-01-9	<0.0010	
Bis(2-ethylhexyl)phthalate	117-81-7	<0.0010	
Di-n-octyl phthalate	117-84-0	<0.0010	
Benzo(b)fluoranthene	205-99-2	<0.0010	
Benzo(k)fluoranthene	207-08-9	<0.0010	
Benzo(a)pyrene	50-32-8	<0.0010	
Indeno(1,2,3-cd)pyrene	193-39-5	<0.0010	
Dibenz(a,h)anthracene	53-70-3	<0.0010	
Benzo(g,h,i)perylene	191-24-2	<0.0010	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011 4:07:00 PM	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
1,2,4-Trichlorobenzene	0.0100	0.00755	75.5	34 - 97	
2,4,6-Trichlorophenol	0.0100	0.00640	64.0	38 - 113	
2,4-Dichlorophenol	0.0100	0.00747	74.7	46 - 105	
2,4-Dimethylphenol	0.0100	0.00841	84.1	47 - 108	
2,4-Dinitrophenol	0.0100	0.00452	45.2	10 - 121	
2,4-Dinitrotoluene	0.0100	0.00819	81.9	59 - 117	
2,6-Dinitrotoluene	0.0100	0.00903	90.3	57 - 110	
2-Chloronaphthalene	0.0100	0.00853	85.3	47 - 106	
2-Chlorophenol	0.0100	0.00624	62.4	37 - 90	
2-Nitrophenol	0.0100	0.00757	75.7	40 - 112	
3,3-Dichlorobenzidine	0.0100	0.00997	99.7	58 - 116	
4,6-Dinitro-2-methylphenol	0.0100	0.00517	51.7	21 - 119	
4-Bromophenyl-phenylether	0.0100	0.00906	90.6	63 - 120	
4-Chloro-3-methylphenol	0.0100	0.00740	74.0	50 - 105	
4-Chlorophenyl-phenylether	0.0100	0.00900	90.0	58 - 115	
4-Nitrophenol	0.0100	0.00190	19.0	10 - 53	
Acenaphthene	0.0100	0.00888	88.8	52 - 107	
Acenaphthylene	0.0100	0.00921	92.1	55 - 119	
Anthracene	0.0100	0.00927	92.7	65 - 114	
Benzidine	0.0100	0.00289	28.9	10 - 55	
Benzo(a)anthracene	0.0100	0.00878	87.8	68 - 113	
Benzo(a)pyrene	0.0100	0.00891	89.1	68 - 115	
Benzo(b)fluoranthene	0.0100	0.00870	87.0	67 - 114	
Benzo(g,h,i)perylene	0.0100	0.00881	88.1	52 - 132	
Benzo(k)fluoranthene	0.0100	0.00882	88.2	62 - 116	
Benzylbutyl phthalate	0.0100	0.00793	79.3	12 - 166	
Bis(2-chlorethoxy)methane	0.0100	0.00869	86.9	56 - 116	
Bis(2-chloroethyl)ether	0.0100	0.00833	83.3	39 - 109	
Bis(2-chloroisopropyl)ether	0.0100	0.00812	81.2	43 - 108	
Bis(2-ethylhexyl)phthalate	0.0100	0.00889	88.9	61 - 147	
Chrysene	0.0100	0.00861	86.1	65 - 114	
Dibenz(a,h)anthracene	0.0100	0.00960	96.0	54 - 130	
Diethyl phthalate	0.0100	0.00815	81.5	33 - 136	
Dimethyl phthalate	0.0100	0.00718	71.8	10 - 152	
Di-n-butyl phthalate	0.0100	0.00933	93.3	56 - 133	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011 4:07:00 PM	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Di-n-octyl phthalate	0.0100	0.00880	88.0	59 - 143	
Fluoranthene	0.0100	0.00899	89.9	66 - 120	
Fluorene	0.0100	0.00910	91.0	58 - 110	
Hexachloro-1,3-butadiene	0.0100	0.00810	81.0	34 - 115	
Hexachlorobenzene	0.0100	0.00830	83.0	55 - 117	
Hexachlorocyclopentadiene	0.0100	0.00816	81.6	20 - 121	
Hexachloroethane	0.0100	0.00698	69.8	24 - 93	
Indeno(1,2,3-cd)pyrene	0.0100	0.00930	93.0	56 - 129	
Isophorone	0.0100	0.00713	71.3	55 - 108	
Naphthalene	0.0100	0.00849	84.9	42 - 103	
Nitrobenzene	0.0100	0.00828	82.8	39 - 102	
n-Nitrosodimethylamine	0.0100	0.00453	45.3	12 - 68	
n-Nitrosodi-n-propylamine	0.0100	0.00818	81.8	50 - 115	
n-Nitrosodiphenylamine	0.0100	0.00899	89.9	55 - 98	
Pentachlorophenol	0.0100	0.00465	46.5	10 - 101	
Phenanthrene	0.0100	0.00902	90.2	61 - 110	
Phenol	0.0100	0.00232	23.2	10 - 53	
Pyrene	0.0100	0.00899	89.9	65 - 116	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011 4:07:00 PM	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
1,2,4-Trichlorobenzene	0.0100	0.00813	81.3	34 - 97	
2,4,6-Trichlorophenol	0.0100	0.00932	93.2	38 - 113	
2,4-Dichlorophenol	0.0100	0.00890	89.0	46 - 105	
2,4-Dimethylphenol	0.0100	0.00951	95.1	47 - 108	
2,4-Dinitrophenol	0.0100	0.00671	67.1	10 - 121	
2,4-Dinitrotoluene	0.0100	0.00915	91.5	59 - 117	
2,6-Dinitrotoluene	0.0100	0.0102	102	57 - 110	
2-Chloronaphthalene	0.0100	0.00930	93.0	47 - 106	
2-Chlorophenol	0.0100	0.00753	75.3	37 - 90	
2-Nitrophenol	0.0100	0.00923	92.3	40 - 112	
3,3-Dichlorobenzidine	0.0100	0.0105	105	58 - 116	
4,6-Dinitro-2-methylphenol	0.0100	0.00793	79.3	21 - 119	
4-Bromophenyl-phenylether	0.0100	0.0100	100	63 - 120	
4-Chloro-3-methylphenol	0.0100	0.00851	85.1	50 - 105	
4-Chlorophenyl-phenylether	0.0100	0.00967	96.7	58 - 115	
4-Nitrophenol	0.0100	0.00270	27.0	10 - 53	
Acenaphthene	0.0100	0.00999	99.9	52 - 107	
Acenaphthylene	0.0100	0.0104	104	55 - 119	
Anthracene	0.0100	0.0101	101	65 - 114	
Benzidine	0.0100	0.00172	17.2	10 - 55	
Benzo(a)anthracene	0.0100	0.00965	96.5	68 - 113	
Benzo(a)pyrene	0.0100	0.00939	93.9	68 - 115	
Benzo(b)fluoranthene	0.0100	0.00949	94.9	67 - 114	
Benzo(g,h,i)perylene	0.0100	0.00957	95.7	52 - 132	
Benzo(k)fluoranthene	0.0100	0.00965	96.5	62 - 116	
Benzylbutyl phthalate	0.0100	0.00924	92.4	12 - 166	
Bis(2-chlorethoxy)methane	0.0100	0.00910	91.0	56 - 116	
Bis(2-chloroethyl)ether	0.0100	0.00829	82.9	39 - 109	
Bis(2-chloroisopropyl)ether	0.0100	0.00889	88.9	43 - 108	
Bis(2-ethylhexyl)phthalate	0.0100	0.0103	103	61 - 147	
Chrysene	0.0100	0.00963	96.3	65 - 114	
Dibenz(a,h)anthracene	0.0100	0.0103	103	54 - 130	
Diethyl phthalate	0.0100	0.00924	92.4	33 - 136	
Dimethyl phthalate	0.0100	0.00804	80.4	10 - 152	
Di-n-butyl phthalate	0.0100	0.0100	100	56 - 133	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011 4:07:00 PM	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Di-n-octyl phthalate	0.0100	0.00982	98.2	59 - 143	
Fluoranthene	0.0100	0.00999	99.9	66 - 120	
Fluorene	0.0100	0.00991	99.1	58 - 110	
Hexachloro-1,3-butadiene	0.0100	0.00871	87.1	34 - 115	
Hexachlorobenzene	0.0100	0.00905	90.5	55 - 117	
Hexachlorocyclopentadiene	0.0100	0.00906	90.6	20 - 121	
Hexachloroethane	0.0100	0.00771	77.1	24 - 93	
Indeno(1,2,3-cd)pyrene	0.0100	0.00999	99.9	56 - 129	
Isophorone	0.0100	0.00764	76.4	55 - 108	
Naphthalene	0.0100	0.00916	91.6	42 - 103	
Nitrobenzene	0.0100	0.00891	89.1	39 - 102	
n-Nitrosodimethylamine	0.0100	0.00491	49.1	12 - 68	
n-Nitrosodi-n-propylamine	0.0100	0.00915	91.5	50 - 115	
n-Nitrosodiphenylamine	0.0100	0.0100	100	55 - 98	J4
Pentachlorophenol	0.0100	0.00733	73.3	10 - 101	
Phenanthrene	0.0100	0.0100	100	61 - 110	
Phenol	0.0100	0.00276	27.6	10 - 53	
Pyrene	0.0100	0.0101	101	65 - 116	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011 8:40:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
1,2,4-Trichlorobenzene	0.0100	0.00699	69.9	34 - 97	
2,4,6-Trichlorophenol	0.0100	0.00873	87.3	38 - 113	
2,4-Dichlorophenol	0.0100	0.00819	81.9	46 - 105	
2,4-Dimethylphenol	0.0100	0.00874	87.4	47 - 108	
2,4-Dinitrophenol	0.0100	0.00972	97.2	10 - 121	
2,4-Dinitrotoluene	0.0100	0.00880	88.0	59 - 117	
2,6-Dinitrotoluene	0.0100	0.00848	84.8	57 - 110	
2-Chloronaphthalene	0.0100	0.00788	78.8	47 - 106	
2-Chlorophenol	0.0100	0.00720	72.0	37 - 90	
2-Nitrophenol	0.0100	0.00853	85.3	40 - 112	
3,3-Dichlorobenzidine	0.0100	0.00651	65.1	58 - 116	
4,6-Dinitro-2-methylphenol	0.0100	0.00909	90.9	21 - 119	
4-Bromophenyl-phenylether	0.0100	0.00816	81.6	63 - 120	
4-Chloro-3-methylphenol	0.0100	0.00857	85.7	50 - 105	
4-Chlorophenyl-phenylether	0.0100	0.00783	78.3	58 - 115	
4-Nitrophenol	0.0100	0.00418	41.8	10 - 53	
Acenaphthene	0.0100	0.00795	79.5	52 - 107	
Acenaphthylene	0.0100	0.00817	81.7	55 - 119	
Anthracene	0.0100	0.00878	87.8	65 - 114	
Benzidine	0.0100	0.00558	55.8	10 - 55	J4
Benzo(a)anthracene	0.0100	0.00849	84.9	68 - 113	
Benzo(a)pyrene	0.0100	0.00830	83.0	68 - 115	
Benzo(b)fluoranthene	0.0100	0.00838	83.8	67 - 114	
Benzo(g,h,i)perylene	0.0100	0.00929	92.9	52 - 132	
Benzo(k)fluoranthene	0.0100	0.00858	85.8	62 - 116	
Benzylbutyl phthalate	0.0100	0.00888	88.8	12 - 166	
Bis(2-chlorethoxy)methane	0.0100	0.00817	81.7	56 - 116	
Bis(2-chloroethyl)ether	0.0100	0.00664	66.4	39 - 109	
Bis(2-chloroisopropyl)ether	0.0100	0.00772	77.2	43 - 108	
Bis(2-ethylhexyl)phthalate	0.0100	0.00899	89.9	61 - 147	
Chrysene	0.0100	0.00860	86.0	65 - 114	
Dibenz(a,h)anthracene	0.0100	0.00941	94.1	54 - 130	
Diethyl phthalate	0.0100	0.00858	85.8	33 - 136	
Dimethyl phthalate	0.0100	0.00864	86.4	10 - 152	
Di-n-butyl phthalate	0.0100	0.00919	91.9	56 - 133	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011 8:40:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Di-n-octyl phthalate	0.0100	0.00897	89.7	59 - 143	
Fluoranthene	0.0100	0.00861	86.1	66 - 120	
Fluorene	0.0100	0.00806	80.6	58 - 110	
Hexachloro-1,3-butadiene	0.0100	0.00708	70.8	34 - 115	
Hexachlorobenzene	0.0100	0.00694	69.4	55 - 117	
Hexachlorocyclopentadiene	0.0100	0.00824	82.4	20 - 121	
Hexachloroethane	0.0100	0.00693	69.3	24 - 93	
Indeno(1,2,3-cd)pyrene	0.0100	0.00900	90.0	56 - 129	
Isophorone	0.0100	0.00707	70.7	55 - 108	
Naphthalene	0.0100	0.00762	76.2	42 - 103	
Nitrobenzene	0.0100	0.00786	78.6	39 - 102	
n-Nitrosodimethylamine	0.0100	0.00396	39.6	12 - 68	
n-Nitrosodi-n-propylamine	0.0100	0.00788	78.8	50 - 115	
n-Nitrosodiphenylamine	0.0100	0.00831	83.1	55 - 98	
Pentachlorophenol	0.0100	0.00752	75.2	10 - 101	
Phenanthrene	0.0100	0.00822	82.2	61 - 110	
Phenol	0.0100	0.00373	37.3	10 - 53	
Pyrene	0.0100	0.00877	87.7	65 - 116	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011 8:40:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
1,2,4-Trichlorobenzene	0.0100	0.00705	70.5	34 - 97	
2,4,6-Trichlorophenol	0.0100	0.00880	88.0	38 - 113	
2,4-Dichlorophenol	0.0100	0.00858	85.8	46 - 105	
2,4-Dimethylphenol	0.0100	0.00860	86.0	47 - 108	
2,4-Dinitrophenol	0.0100	0.00934	93.4	10 - 121	
2,4-Dinitrotoluene	0.0100	0.00907	90.7	59 - 117	
2,6-Dinitrotoluene	0.0100	0.00929	92.9	57 - 110	
2-Chloronaphthalene	0.0100	0.00794	79.4	47 - 106	
2-Chlorophenol	0.0100	0.00723	72.3	37 - 90	
2-Nitrophenol	0.0100	0.00844	84.4	40 - 112	
3,3-Dichlorobenzidine	0.0100	0.00763	76.3	58 - 116	
4,6-Dinitro-2-methylphenol	0.0100	0.00918	91.8	21 - 119	
4-Bromophenyl-phenylether	0.0100	0.00864	86.4	63 - 120	
4-Chloro-3-methylphenol	0.0100	0.00880	88.0	50 - 105	
4-Chlorophenyl-phenylether	0.0100	0.00818	81.8	58 - 115	
4-Nitrophenol	0.0100	0.00417	41.7	10 - 53	
Acenaphthene	0.0100	0.00858	85.8	52 - 107	
Acenaphthylene	0.0100	0.00887	88.7	55 - 119	
Anthracene	0.0100	0.00897	89.7	65 - 114	
Benzidine	0.0100	0.00584	58.4	10 - 55	J4
Benzo(a)anthracene	0.0100	0.00905	90.5	68 - 113	
Benzo(a)pyrene	0.0100	0.00885	88.5	68 - 115	
Benzo(b)fluoranthene	0.0100	0.00878	87.8	67 - 114	
Benzo(g,h,i)perylene	0.0100	0.00973	97.3	52 - 132	
Benzo(k)fluoranthene	0.0100	0.00869	86.9	62 - 116	
Benzylbutyl phthalate	0.0100	0.00938	93.8	12 - 166	
Bis(2-chlorethoxy)methane	0.0100	0.00849	84.9	56 - 116	
Bis(2-chloroethyl)ether	0.0100	0.00787	78.7	39 - 109	
Bis(2-chloroisopropyl)ether	0.0100	0.00793	79.3	43 - 108	
Bis(2-ethylhexyl)phthalate	0.0100	0.00933	93.3	61 - 147	
Chrysene	0.0100	0.00908	90.8	65 - 114	
Dibenz(a,h)anthracene	0.0100	0.00998	99.8	54 - 130	
Diethyl phthalate	0.0100	0.00919	91.9	33 - 136	
Dimethyl phthalate	0.0100	0.00889	88.9	10 - 152	
Di-n-butyl phthalate	0.0100	0.00959	95.9	56 - 133	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011 8:40:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Di-n-octyl phthalate	0.0100	0.00923	92.3	59 - 143	
Fluoranthene	0.0100	0.00886	88.6	66 - 120	
Fluorene	0.0100	0.00839	83.9	58 - 110	
Hexachloro-1,3-butadiene	0.0100	0.00739	73.9	34 - 115	
Hexachlorobenzene	0.0100	0.00765	76.5	55 - 117	
Hexachlorocyclopentadiene	0.0100	0.00864	86.4	20 - 121	
Hexachloroethane	0.0100	0.00706	70.6	24 - 93	
Indeno(1,2,3-cd)pyrene	0.0100	0.00964	96.4	56 - 129	
Isophorone	0.0100	0.00710	71.0	55 - 108	
Naphthalene	0.0100	0.00793	79.3	42 - 103	
Nitrobenzene	0.0100	0.00772	77.2	39 - 102	
n-Nitrosodimethylamine	0.0100	0.00396	39.6	12 - 68	
n-Nitrosodi-n-propylamine	0.0100	0.00813	81.3	50 - 115	
n-Nitrosodiphenylamine	0.0100	0.00905	90.5	55 - 98	
Pentachlorophenol	0.0100	0.00778	77.8	10 - 101	
Phenanthrene	0.0100	0.00877	87.7	61 - 110	
Phenol	0.0100	0.00375	37.5	10 - 53	
Pyrene	0.0100	0.00884	88.4	65 - 116	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011 3:27:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
1,2,4-Trichlorobenzene	0.0100	0.00584	58.4	34 - 97	
2,4,6-Trichlorophenol	0.0100	0.00793	79.3	38 - 113	
2,4-Dichlorophenol	0.0100	0.00746	74.6	46 - 105	
2,4-Dimethylphenol	0.0100	0.00701	70.1	47 - 108	
2,4-Dinitrophenol	0.0100	0.00810	81.0	10 - 121	
2,4-Dinitrotoluene	0.0100	0.00863	86.3	59 - 117	
2,6-Dinitrotoluene	0.0100	0.00822	82.2	57 - 110	
2-Chloronaphthalene	0.0100	0.00718	71.8	47 - 106	
2-Chlorophenol	0.0100	0.00624	62.4	37 - 90	
2-Nitrophenol	0.0100	0.00742	74.2	40 - 112	
3,3-Dichlorobenzidine	0.0100	0.00801	80.1	58 - 116	
4,6-Dinitro-2-methylphenol	0.0100	0.00785	78.5	21 - 119	
4-Bromophenyl-phenylether	0.0100	0.00810	81.0	63 - 120	
4-Chloro-3-methylphenol	0.0100	0.00817	81.7	50 - 105	
4-Chlorophenyl-phenylether	0.0100	0.00774	77.4	58 - 115	
4-Nitrophenol	0.0100	0.00332	33.2	10 - 53	
Acenaphthene	0.0100	0.00746	74.6	52 - 107	
Acenaphthylene	0.0100	0.00774	77.4	55 - 119	
Anthracene	0.0100	0.00891	89.1	65 - 114	
Benzidine	0.0100	0.00284	28.4	10 - 55	
Benzo(a)anthracene	0.0100	0.00877	87.7	68 - 113	
Benzo(a)pyrene	0.0100	0.00807	80.7	68 - 115	
Benzo(b)fluoranthene	0.0100	0.00845	84.5	67 - 114	
Benzo(g,h,i)perylene	0.0100	0.00939	93.9	52 - 132	
Benzo(k)fluoranthene	0.0100	0.00822	82.2	62 - 116	
Benzylbutyl phthalate	0.0100	0.00966	96.6	12 - 166	
Bis(2-chlorethoxy)methane	0.0100	0.00741	74.1	56 - 116	
Bis(2-chloroethyl)ether	0.0100	0.00614	61.4	39 - 109	
Bis(2-chloroisopropyl)ether	0.0100	0.00645	64.5	43 - 108	
Bis(2-ethylhexyl)phthalate	0.0100	0.00988	98.8	61 - 147	
Chrysene	0.0100	0.00863	86.3	65 - 114	
Dibenz(a,h)anthracene	0.0100	0.00949	94.9	54 - 130	
Diethyl phthalate	0.0100	0.00900	90.0	33 - 136	
Dimethyl phthalate	0.0100	0.00840	84.0	10 - 152	
Di-n-butyl phthalate	0.0100	0.00913	91.3	56 - 133	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011 3:27:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Laboratory Control Sample (LCS)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Di-n-octyl phthalate	0.0100	0.00993	99.3	59 - 143	
Fluoranthene	0.0100	0.00838	83.8	66 - 120	
Fluorene	0.0100	0.00781	78.1	58 - 110	
Hexachloro-1,3-butadiene	0.0100	0.00603	60.3	34 - 115	
Hexachlorobenzene	0.0100	0.00722	72.2	55 - 117	
Hexachlorocyclopentadiene	0.0100	0.00658	65.8	20 - 121	
Hexachloroethane	0.0100	0.00550	55.0	24 - 93	
Indeno(1,2,3-cd)pyrene	0.0100	0.00912	91.2	56 - 129	
Isophorone	0.0100	0.00634	63.4	55 - 108	
Naphthalene	0.0100	0.00671	67.1	42 - 103	
Nitrobenzene	0.0100	0.00657	65.7	39 - 102	
n-Nitrosodimethylamine	0.0100	0.00342	34.2	12 - 68	
n-Nitrosodi-n-propylamine	0.0100	0.00720	72.0	50 - 115	
n-Nitrosodiphenylamine	0.0100	0.00821	82.1	55 - 98	
Pentachlorophenol	0.0100	0.00735	73.5	10 - 101	
Phenanthrene	0.0100	0.00819	81.9	61 - 110	
Phenol	0.0100	0.00296	29.6	10 - 53	
Pyrene	0.0100	0.00878	87.8	65 - 116	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011 3:27:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
1,2,4-Trichlorobenzene	0.0100	0.00628	62.8	34 - 97	
2,4,6-Trichlorophenol	0.0100	0.00797	79.7	38 - 113	
2,4-Dichlorophenol	0.0100	0.00797	79.7	46 - 105	
2,4-Dimethylphenol	0.0100	0.00738	73.8	47 - 108	
2,4-Dinitrophenol	0.0100	0.00713	71.3	10 - 121	
2,4-Dinitrotoluene	0.0100	0.00826	82.6	59 - 117	
2,6-Dinitrotoluene	0.0100	0.00844	84.4	57 - 110	
2-Chloronaphthalene	0.0100	0.00743	74.3	47 - 106	
2-Chlorophenol	0.0100	0.00634	63.4	37 - 90	
2-Nitrophenol	0.0100	0.00772	77.2	40 - 112	
3,3-Dichlorobenzidine	0.0100	0.00829	82.9	58 - 116	
4,6-Dinitro-2-methylphenol	0.0100	0.00734	73.4	21 - 119	
4-Bromophenyl-phenylether	0.0100	0.00805	80.5	63 - 120	
4-Chloro-3-methylphenol	0.0100	0.00867	86.7	50 - 105	
4-Chlorophenyl-phenylether	0.0100	0.00788	78.8	58 - 115	
4-Nitrophenol	0.0100	0.00307	30.7	10 - 53	
Acenaphthene	0.0100	0.00778	77.8	52 - 107	
Acenaphthylene	0.0100	0.00787	78.7	55 - 119	
Anthracene	0.0100	0.00826	82.6	65 - 114	
Benzidine	0.0100	0.00480	48.0	10 - 55	
Benzo(a)anthracene	0.0100	0.00828	82.8	68 - 113	
Benzo(a)pyrene	0.0100	0.00820	82.0	68 - 115	
Benzo(b)fluoranthene	0.0100	0.00847	84.7	67 - 114	
Benzo(g,h,i)perylene	0.0100	0.00938	93.8	52 - 132	
Benzo(k)fluoranthene	0.0100	0.00834	83.4	62 - 116	
Benzylbutyl phthalate	0.0100	0.00888	88.8	12 - 166	
Bis(2-chlorethoxy)methane	0.0100	0.00804	80.4	56 - 116	
Bis(2-chloroethyl)ether	0.0100	0.00613	61.3	39 - 109	
Bis(2-chloroisopropyl)ether	0.0100	0.00702	70.2	43 - 108	
Bis(2-ethylhexyl)phthalate	0.0100	0.00932	93.2	61 - 147	
Chrysene	0.0100	0.00836	83.6	65 - 114	
Dibenz(a,h)anthracene	0.0100	0.00948	94.8	54 - 130	
Diethyl phthalate	0.0100	0.00857	85.7	33 - 136	
Dimethyl phthalate	0.0100	0.00784	78.4	10 - 152	
Di-n-butyl phthalate	0.0100	0.00860	86.0	56 - 133	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011 3:27:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Laboratory Control Sample Duplicate (LCSD)

Analyte	True Value	Found	Recovery %	Control Limits	Qualifiers
Di-n-octyl phthalate	0.0100	0.00920	92.0	59 - 143	
Fluoranthene	0.0100	0.00809	80.9	66 - 120	
Fluorene	0.0100	0.00804	80.4	58 - 110	
Hexachloro-1,3-butadiene	0.0100	0.00649	64.9	34 - 115	
Hexachlorobenzene	0.0100	0.00701	70.1	55 - 117	
Hexachlorocyclopentadiene	0.0100	0.00691	69.1	20 - 121	
Hexachloroethane	0.0100	0.00556	55.6	24 - 93	
Indeno(1,2,3-cd)pyrene	0.0100	0.00900	90.0	56 - 129	
Isophorone	0.0100	0.00683	68.3	55 - 108	
Naphthalene	0.0100	0.00699	69.9	42 - 103	
Nitrobenzene	0.0100	0.00725	72.5	39 - 102	
n-Nitrosodimethylamine	0.0100	0.00356	35.6	12 - 68	
n-Nitrosodi-n-propylamine	0.0100	0.00775	77.5	50 - 115	
n-Nitrosodiphenylamine	0.0100	0.00836	83.6	55 - 98	
Pentachlorophenol	0.0100	0.00610	61.0	10 - 101	
Phenanthrene	0.0100	0.00821	82.1	61 - 110	
Phenol	0.0100	0.00304	30.4	10 - 53	
Pyrene	0.0100	0.00856	85.6	65 - 116	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Surrogate Summary

Laboratory	NBZ		FBP		TPH		2FP		PHL		TBP	
Sample ID	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec
LCS WG564071	8.13	81.3	8.66	86.6	9.01	90.1	6.82	34.1	5.23	26.1	13.5	67.5
LCSD WG564071	8.82	88.2	9.50	95.0	10.4	104	8.37	41.9	6.18	30.9	19.7	98.7
Blank WG564071	7.54	75.4	8.88	88.8	9.18	91.8	5.51	27.6	5.15	25.7	15.8	79.2
L544884-01	6.81	68.1	8.29	82.9	9.46	94.6	4.95	24.8	5.01	25.1	16.6	83.1
MS WG564071	8.14	81.4	9.02	90.2	9.14	91.4	5.84	29.2	5.84	29.2	18.4	91.9
MSD WG564071	7.99	79.9	8.27	82.7	9.09	90.9	5.78	28.9	5.57	27.9	18.0	90.1
L544884-08	6.61	66.1	8.06	80.6	8.85	88.5	2.62	13.1	3.45	17.2	7.68	38.4

NBZ - Nitrobenzene-d5	17-119
FBP - 2-Fluorobiphenyl	29-127
TPH - Terphneyl-d14	40-174
2FP - 2-Fluorophenol	10-75
PHL - Phenol-d5	10-63
TBP - 2,4,6-Tribromophenol	16-147

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Surrogate Summary

Laboratory	NBZ		FBP		TPH		2FP		PHL		TBP	
Sample ID	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec
LCS WG564274	8.02	80.2	7.93	79.3	9.12	91.2	10.8	53.8	8.35	41.8	18.0	89.9
LCSD WG564274	7.77	77.7	8.31	83.1	9.43	94.3	10.7	53.5	8.23	41.2	19.5	97.4
Blank WG564274	7.42	74.2	8.86	88.6	10.1	101	11.7	58.4	9.04	45.2	18.8	94.2
L544884-02	7.35	73.5	8.51	85.1	9.46	94.6	6.67	33.4	5.03	25.1	15.6	78.0
L544884-03	7.10	71.0	7.51	75.1	9.48	94.8	4.13	20.7	2.61	13.0	15.9	79.5
L544884-04	7.32	73.2	8.39	83.9	9.60	96.0	5.04	25.2	3.31	16.6	16.8	84.1
L544884-05	7.36	73.6	8.58	85.8	9.53	95.3	4.30	21.5	2.77	13.8	18.3	91.7

NBZ - Nitrobenzene-d5	17-119
FBP - 2-Fluorobiphenyl	29-127
TPH - Terphneyl-d14	40-174
2FP - 2-Fluorophenol	10-75
PHL - Phenol-d5	10-63
TBP - 2,4,6-Tribromophenol	16-147

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Surrogate Summary

Laboratory	NBZ		FBP		TPH		2FP		PHL		TBP	
Sample ID	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec	ppb	% Rec
LCS WG564565	6.57	65.7	7.14	71.4	9.53	95.3	8.73	43.6	6.69	33.4	18.0	90.1
LCSD WG564565	7.07	70.7	7.93	79.4	9.10	91.0	8.81	44.0	6.74	33.7	16.8	84.2
Blank WG564565	5.96	59.6	7.53	75.3	9.65	96.5	8.57	42.9	6.71	33.6	16.1	80.4
L544884-06	6.66	66.6	8.43	84.3	11.8	118	4.43	22.2	3.09	15.4	20.2	101
L544884-07	6.21	62.2	7.56	75.6	9.84	98.4	3.75	18.8	2.97	14.9	11.1	55.6

NBZ - Nitrobenzene-d5	17-119
FBP - 2-Fluorobiphenyl	29-127
TPH - Terphneyl-d14	40-174
2FP - 2-Fluorophenol	10-75
PHL - Phenol-d5	10-63
TBP - 2,4,6-Tribromophenol	16-147

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011 4:07:00 PM	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Matrix Spike/Matrix Spike Duplicate

L544884-01

Analyte	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qualifier	% RPD	Control Limits	RPD Qual
1,2,4-Trichlorobenzene	0.0100	0.00000	0.00753	75.3	0.00720	72.0	34-101		4.5	23	
2,4,6-Trichlorophenol	0.0100	0.00000	0.00889	88.9	0.00870	87.0	14-145		2.1	39	
2,4-Dichlorophenol	0.0100	0.00000	0.00827	82.7	0.00831	83.1	17-132		0.4	30	
2,4-Dimethylphenol	0.0100	0.00000	0.00718	71.8	0.00654	65.4	10-154		9.4	40	
2,4-Dinitrophenol	0.0100	0.00000	0.00668	66.8	0.00607	60.7	10-167		9.5	36	
2,4-Dinitrotoluene	0.0100	0.00000	0.00933	93.3	0.00909	90.9	48-133		2.5	21	
2,6-Dinitrotoluene	0.0100	0.00000	0.00971	97.1	0.00926	92.6	52-123		4.8	20	
2-Chloronaphthalene	0.0100	0.00000	0.00874	87.4	0.00851	85.1	47-111		2.7	20	
2-Chlorophenol	0.0100	0.00000	0.00671	67.1	0.00654	65.4	18-103		2.7	33	
2-Nitrophenol	0.0100	0.00000	0.00833	83.3	0.00861	86.1	25-130		3.3	31	
3,3-Dichlorobenzidine	0.0100	0.00000	0.0130	130	0.0124	124	10-149		4.6	33	
4,6-Dinitro-2-methylphenol	0.0100	0.00000	0.00743	74.3	0.00697	69.7	10-149		6.5	40	
4-Bromophenyl-phenylether	0.0100	0.00000	0.00953	95.3	0.00921	92.1	51-138		3.4	20	
4-Chloro-3-methylphenol	0.0100	0.00000	0.00757	75.7	0.00772	77.2	19-138		1.9	25	
4-Chlorophenyl-phenylether	0.0100	0.00000	0.00957	95.7	0.00911	91.1	47-132		5.0	20	
4-Nitrophenol	0.0100	0.00000	0.00276	27.6	0.00267	26.7	10-86		3.3	40	
Acenaphthene	0.0100	0.00000	0.00950	95.0	0.00899	89.9	45-121		5.5	20	
Acenaphthylene	0.0100	0.00000	0.00938	93.8	0.00913	91.3	52-122		2.6	20	
Anthracene	0.0100	0.00000	0.00987	98.7	0.00980	98.0	51-129		0.8	20	
Benzidine	0.0100	0.00000	0.00189	18.9	0.00129	12.9	10-47		37	40	
Benzo(a)anthracene	0.0100	0.00000	0.00906	90.6	0.00886	88.6	55-127		2.3	20	
Benzo(a)pyrene	0.0100	0.00000	0.00861	86.1	0.00861	86.1	47-132		0.1	20	
Benzo(b)fluoranthene	0.0100	0.00000	0.00852	85.2	0.00843	84.3	42-138		1.1	20	
Benzo(g,h,i)perylene	0.0100	0.00000	0.00620	62.0	0.00639	63.9	10-152		3.0	22	
Benzo(k)fluoranthene	0.0100	0.00000	0.00865	86.5	0.00888	88.8	40-136		2.6	21	
Benzylbutyl phthalate	0.0100	0.00000	0.00860	86.0	0.00885	88.5	14-180		2.9	25	
Bis(2-chlorethoxy)methane	0.0100	0.00000	0.00838	83.8	0.00842	84.2	39-139		0.5	22	
Bis(2-chloroethyl)ether	0.0100	0.00000	0.00773	77.3	0.00702	70.2	31-122		9.6	29	
Bis(2-chloroisopropyl)ether	0.0100	0.00000	0.00799	79.9	0.00740	74.0	35-121		7.7	25	
Bis(2-ethylhexyl)phthalate	0.0100	0.00000	0.00554	55.4	0.00597	59.7	23-173		7.4	24	
Chrysene	0.0100	0.00000	0.00882	88.2	0.00873	87.3	55-124		1.0	20	
Dibenz(a,h)anthracene	0.0100	0.00000	0.00655	65.5	0.00655	65.5	16-149		0.1	22	
Diethyl phthalate	0.0100	0.00000	0.00903	90.3	0.00849	84.9	28-150		6.2	21	
Dimethyl phthalate	0.0100	0.00000	0.00781	78.1	0.00772	77.2	10-159		1.1	30	
Di-n-butyl phthalate	0.0100	0.00000	0.00973	97.3	0.0121	121	43-154		22	20	J3

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011 4:07:00 PM	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Matrix Spike/Matrix Spike Duplicate

L544884-01

Analyte	Spike Value	Sample	MS	% Rec	MSD	% Rec	Control Limits	% Rec Qualifier	% RPD	Control Limits	RPD Qual
Di-n-octyl phthalate	0.0100	0.00000	0.00531	53.1	0.00531	53.1	23-173		0.0	25	
Fluoranthene	0.0100	0.00000	0.00963	96.3	0.00948	94.8	58-130		1.6	20	
Fluorene	0.0100	0.00000	0.00977	97.7	0.00944	94.4	51-120		3.5	20	
Hexachloro-1,3-butadiene	0.0100	0.00000	0.00823	82.3	0.00800	80.0	32-120		2.9	24	
Hexachlorobenzene	0.0100	0.00000	0.00880	88.0	0.00862	86.2	48-126		2.1	20	
Hexachlorocyclopentadiene	0.0100	0.00000	0.00758	75.8	0.00741	74.1	10-125		2.2	35	
Hexachloroethane	0.0100	0.00000	0.00701	70.1	0.00650	65.0	10-121		7.5	31	
Indeno(1,2,3-cd)pyrene	0.0100	0.00000	0.00664	66.4	0.00678	67.8	17-147		2.1	21	
Isophorone	0.0100	0.00000	0.00694	69.4	0.00684	68.4	47-116		1.4	20	
Naphthalene	0.0100	0.00000	0.00821	82.1	0.00790	79.0	32-116		3.8	20	
Nitrobenzene	0.0100	0.00000	0.00792	79.2	0.00790	79.0	36-110		0.2	24	
n-Nitrosodimethylamine	0.0100	0.00000	0.00465	46.5	0.00430	43.0	10-83		7.7	40	
n-Nitrosodi-n-propylamine	0.0100	0.00000	0.00835	83.5	0.00789	78.9	36-139		5.7	24	
n-Nitrosodiphenylamine	0.0100	0.00000	0.00986	98.6	0.00924	92.4	43-124		6.5	20	
Pentachlorophenol	0.0100	0.00000	0.00767	76.7	0.00752	75.2	10-152		1.9	40	
Phenanthrene	0.0100	0.00000	0.00931	93.1	0.00934	93.4	49-130		0.4	20	
Phenol	0.0100	0.00000	0.00252	25.2	0.00254	25.4	10-69		0.5	34	
Pyrene	0.0100	0.00000	0.00871	87.1	0.00880	88.0	47-135		1.0	21	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011 4:07:00 PM	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
1,2,4-Trichlorobenzene	0.0100	0.00755	75.5	0.00813	81.3	34-97		7.5	21	
2,4,6-Trichlorophenol	0.0100	0.00640	64.0	0.00932	93.2	38-113		37	29	J3
2,4-Dichlorophenol	0.0100	0.00747	74.7	0.00890	89.0	46-105		18	20	
2,4-Dimethylphenol	0.0100	0.00841	84.1	0.00951	95.1	47-108		12	20	
2,4-Dinitrophenol	0.0100	0.00452	45.2	0.00671	67.1	10-121		39	40	
2,4-Dinitrotoluene	0.0100	0.00819	81.9	0.00915	91.5	59-117		11	20	
2,6-Dinitrotoluene	0.0100	0.00903	90.3	0.0102	102	57-110		12	20	
2-Chloronaphthalene	0.0100	0.00853	85.3	0.00930	93.0	47-106		8.5	20	
2-Chlorophenol	0.0100	0.00624	62.4	0.00753	75.3	37-90		19	21	
2-Nitrophenol	0.0100	0.00757	75.7	0.00923	92.3	40-112		20	22	
3,3-Dichlorobenzidine	0.0100	0.00997	99.7	0.0105	105	58-116		4.7	20	
4,6-Dinitro-2-methylphenol	0.0100	0.00517	51.7	0.00793	79.3	21-119		42	40	J3
4-Bromophenyl-phenylether	0.0100	0.00906	90.6	0.0100	100	63-120		10	20	
4-Chloro-3-methylphenol	0.0100	0.00740	74.0	0.00851	85.1	50-105		14	20	
4-Chlorophenyl-phenylether	0.0100	0.00900	90.0	0.00967	96.7	58-115		7.2	20	
4-Nitrophenol	0.0100	0.00190	19.0	0.00270	27.0	10-53		35	40	
Acenaphthene	0.0100	0.00888	88.8	0.00999	99.9	52-107		12	20	
Acenaphthylene	0.0100	0.00921	92.1	0.0104	104	55-119		12	20	
Anthracene	0.0100	0.00927	92.7	0.0101	101	65-114		8.8	20	
Benzidine	0.0100	0.00289	28.9	0.00172	17.2	10-55		51	40	J3
Benzo(a)anthracene	0.0100	0.00878	87.8	0.00965	96.5	68-113		9.4	20	
Benzo(a)pyrene	0.0100	0.00891	89.1	0.00939	93.9	68-115		5.3	20	
Benzo(b)fluoranthene	0.0100	0.00870	87.0	0.00949	94.9	67-114		8.7	20	
Benzo(g,h,i)perylene	0.0100	0.00881	88.1	0.00957	95.7	52-132		8.3	20	
Benzo(k)fluoranthene	0.0100	0.00882	88.2	0.00965	96.5	62-116		9.0	20	
Benzylbutyl phthalate	0.0100	0.00793	79.3	0.00924	92.4	12-166		15	20	
Bis(2-chlorethoxy)methane	0.0100	0.00869	86.9	0.00910	91.0	56-116		4.6	20	
Bis(2-chloroethyl)ether	0.0100	0.00833	83.3	0.00829	82.9	39-109		0.5	23	
Bis(2-chloroisopropyl)ether	0.0100	0.00812	81.2	0.00889	88.9	43-108		9.0	20	
Bis(2-ethylhexyl)phthalate	0.0100	0.00889	88.9	0.0103	103	61-147		15	20	
Chrysene	0.0100	0.00861	86.1	0.00963	96.3	65-114		11	20	
Dibenz(a,h)anthracene	0.0100	0.00960	96.0	0.0103	103	54-130		7.3	20	
Diethyl phthalate	0.0100	0.00815	81.5	0.00924	92.4	33-136		13	20	
Dimethyl phthalate	0.0100	0.00718	71.8	0.00804	80.4	10-152		11	22	
Di-n-butyl phthalate	0.0100	0.00933	93.3	0.0100	100	56-133		7.3	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011 4:07:00 PM	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
Di-n-octyl phthalate	0.0100	0.00880	88.0	0.00982	98.2	59-143		11	20	
Fluoranthene	0.0100	0.00899	89.9	0.00999	99.9	66-120		11	20	
Fluorene	0.0100	0.00910	91.0	0.00991	99.1	58-110		8.5	20	
Hexachloro-1,3-butadiene	0.0100	0.00810	81.0	0.00871	87.1	34-115		7.3	22	
Hexachlorobenzene	0.0100	0.00830	83.0	0.00905	90.5	55-117		8.5	20	
Hexachlorocyclopentadiene	0.0100	0.00816	81.6	0.00906	90.6	20-121		10	27	
Hexachloroethane	0.0100	0.00698	69.8	0.00771	77.1	24-93		9.9	25	
Indeno(1,2,3-cd)pyrene	0.0100	0.00930	93.0	0.00999	99.9	56-129		7.2	20	
Isophorone	0.0100	0.00713	71.3	0.00764	76.4	55-108		6.9	20	
Naphthalene	0.0100	0.00849	84.9	0.00916	91.6	42-103		7.5	20	
Nitrobenzene	0.0100	0.00828	82.8	0.00891	89.1	39-102		7.4	20	
n-Nitrosodimethylamine	0.0100	0.00453	45.3	0.00491	49.1	12-68		8.0	31	
n-Nitrosodi-n-propylamine	0.0100	0.00818	81.8	0.00915	91.5	50-115		11	20	
n-Nitrosodiphenylamine	0.0100	0.00899	89.9	0.0100	100	55-98	J4	11	20	
Pentachlorophenol	0.0100	0.00465	46.5	0.00733	73.3	10-101		45	40	J3
Phenanthrene	0.0100	0.00902	90.2	0.0100	100	61-110		10	20	
Phenol	0.0100	0.00232	23.2	0.00276	27.6	10-53		18	20	
Pyrene	0.0100	0.00899	89.9	0.0101	101	65-116		12	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011 8:40:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
1,2,4-Trichlorobenzene	0.0100	0.00699	69.9	0.00705	70.5	34-97		0.9	21	
2,4,6-Trichlorophenol	0.0100	0.00873	87.3	0.00880	88.0	38-113		0.9	29	
2,4-Dichlorophenol	0.0100	0.00819	81.9	0.00858	85.8	46-105		4.7	20	
2,4-Dimethylphenol	0.0100	0.00874	87.4	0.00860	86.0	47-108		1.6	20	
2,4-Dinitrophenol	0.0100	0.00972	97.2	0.00934	93.4	10-121		3.9	40	
2,4-Dinitrotoluene	0.0100	0.00880	88.0	0.00907	90.7	59-117		3.1	20	
2,6-Dinitrotoluene	0.0100	0.00848	84.8	0.00929	92.9	57-110		9.1	20	
2-Chloronaphthalene	0.0100	0.00788	78.8	0.00794	79.4	47-106		0.7	20	
2-Chlorophenol	0.0100	0.00720	72.0	0.00723	72.3	37-90		0.4	21	
2-Nitrophenol	0.0100	0.00853	85.3	0.00844	84.4	40-112		1.0	22	
3,3-Dichlorobenzidine	0.0100	0.00651	65.1	0.00763	76.3	58-116		16	20	
4,6-Dinitro-2-methylphenol	0.0100	0.00909	90.9	0.00918	91.8	21-119		0.9	40	
4-Bromophenyl-phenylether	0.0100	0.00816	81.6	0.00864	86.4	63-120		5.8	20	
4-Chloro-3-methylphenol	0.0100	0.00857	85.7	0.00880	88.0	50-105		2.6	20	
4-Chlorophenyl-phenylether	0.0100	0.00783	78.3	0.00818	81.8	58-115		4.3	20	
4-Nitrophenol	0.0100	0.00418	41.8	0.00417	41.7	10-53		0.1	40	
Acenaphthene	0.0100	0.00795	79.5	0.00858	85.8	52-107		7.6	20	
Acenaphthylene	0.0100	0.00817	81.7	0.00887	88.7	55-119		8.2	20	
Anthracene	0.0100	0.00878	87.8	0.00897	89.7	65-114		2.2	20	
Benzidine	0.0100	0.00558	55.8	0.00584	58.4	10-55	J4	4.5	40	
Benzo(a)anthracene	0.0100	0.00849	84.9	0.00905	90.5	68-113		6.3	20	
Benzo(a)pyrene	0.0100	0.00830	83.0	0.00885	88.5	68-115		6.4	20	
Benzo(b)fluoranthene	0.0100	0.00838	83.8	0.00878	87.8	67-114		4.7	20	
Benzo(g,h,i)perylene	0.0100	0.00929	92.9	0.00973	97.3	52-132		4.7	20	
Benzo(k)fluoranthene	0.0100	0.00858	85.8	0.00869	86.9	62-116		1.3	20	
Benzylbutyl phthalate	0.0100	0.00888	88.8	0.00938	93.8	12-166		5.5	20	
Bis(2-chlorethoxy)methane	0.0100	0.00817	81.7	0.00849	84.9	56-116		3.9	20	
Bis(2-chloroethyl)ether	0.0100	0.00664	66.4	0.00787	78.7	39-109		17	23	
Bis(2-chloroisopropyl)ether	0.0100	0.00772	77.2	0.00793	79.3	43-108		2.7	20	
Bis(2-ethylhexyl)phthalate	0.0100	0.00899	89.9	0.00933	93.3	61-147		3.7	20	
Chrysene	0.0100	0.00860	86.0	0.00908	90.8	65-114		5.5	20	
Dibenz(a,h)anthracene	0.0100	0.00941	94.1	0.00998	99.8	54-130		5.9	20	
Diethyl phthalate	0.0100	0.00858	85.8	0.00919	91.9	33-136		6.9	20	
Dimethyl phthalate	0.0100	0.00864	86.4	0.00889	88.9	10-152		2.8	22	
Di-n-butyl phthalate	0.0100	0.00919	91.9	0.00959	95.9	56-133		4.2	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011 8:40:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
Di-n-octyl phthalate	0.0100	0.00897	89.7	0.00923	92.3	59-143		2.8	20	
Fluoranthene	0.0100	0.00861	86.1	0.00886	88.6	66-120		2.9	20	
Fluorene	0.0100	0.00806	80.6	0.00839	83.9	58-110		3.9	20	
Hexachloro-1,3-butadiene	0.0100	0.00708	70.8	0.00739	73.9	34-115		4.4	22	
Hexachlorobenzene	0.0100	0.00694	69.4	0.00765	76.5	55-117		9.7	20	
Hexachlorocyclopentadiene	0.0100	0.00824	82.4	0.00864	86.4	20-121		4.7	27	
Hexachloroethane	0.0100	0.00693	69.3	0.00706	70.6	24-93		1.8	25	
Indeno(1,2,3-cd)pyrene	0.0100	0.00900	90.0	0.00964	96.4	56-129		6.9	20	
Isophorone	0.0100	0.00707	70.7	0.00710	71.0	55-108		0.5	20	
Naphthalene	0.0100	0.00762	76.2	0.00793	79.3	42-103		4.0	20	
Nitrobenzene	0.0100	0.00786	78.6	0.00772	77.2	39-102		1.8	20	
n-Nitrosodimethylamine	0.0100	0.00396	39.6	0.00396	39.6	12-68		0.1	31	
n-Nitrosodi-n-propylamine	0.0100	0.00788	78.8	0.00813	81.3	50-115		3.2	20	
n-Nitrosodiphenylamine	0.0100	0.00831	83.1	0.00905	90.5	55-98		8.4	20	
Pentachlorophenol	0.0100	0.00752	75.2	0.00778	77.8	10-101		3.5	40	
Phenanthrene	0.0100	0.00822	82.2	0.00877	87.7	61-110		6.4	20	
Phenol	0.0100	0.00373	37.3	0.00375	37.5	10-53		0.4	20	
Pyrene	0.0100	0.00877	87.7	0.00884	88.4	65-116		0.8	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011 3:27:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
1,2,4-Trichlorobenzene	0.0100	0.00584	58.4	0.00628	62.8	34-97		7.1	21	
2,4,6-Trichlorophenol	0.0100	0.00793	79.3	0.00797	79.7	38-113		0.5	29	
2,4-Dichlorophenol	0.0100	0.00746	74.6	0.00797	79.7	46-105		6.6	20	
2,4-Dimethylphenol	0.0100	0.00701	70.1	0.00738	73.8	47-108		5.1	20	
2,4-Dinitrophenol	0.0100	0.00810	81.0	0.00713	71.3	10-121		13	40	
2,4-Dinitrotoluene	0.0100	0.00863	86.3	0.00826	82.6	59-117		4.4	20	
2,6-Dinitrotoluene	0.0100	0.00822	82.2	0.00844	84.4	57-110		2.6	20	
2-Chloronaphthalene	0.0100	0.00718	71.8	0.00743	74.3	47-106		3.3	20	
2-Chlorophenol	0.0100	0.00624	62.4	0.00634	63.4	37-90		1.4	21	
2-Nitrophenol	0.0100	0.00742	74.2	0.00772	77.2	40-112		4.0	22	
3,3-Dichlorobenzidine	0.0100	0.00801	80.1	0.00829	82.9	58-116		3.5	20	
4,6-Dinitro-2-methylphenol	0.0100	0.00785	78.5	0.00734	73.4	21-119		6.6	40	
4-Bromophenyl-phenylether	0.0100	0.00810	81.0	0.00805	80.5	63-120		0.6	20	
4-Chloro-3-methylphenol	0.0100	0.00817	81.7	0.00867	86.7	50-105		5.9	20	
4-Chlorophenyl-phenylether	0.0100	0.00774	77.4	0.00788	78.8	58-115		1.9	20	
4-Nitrophenol	0.0100	0.00332	33.2	0.00307	30.7	10-53		8.1	40	
Acenaphthene	0.0100	0.00746	74.6	0.00778	77.8	52-107		4.1	20	
Acenaphthylene	0.0100	0.00774	77.4	0.00787	78.7	55-119		1.7	20	
Anthracene	0.0100	0.00891	89.1	0.00826	82.6	65-114		7.6	20	
Benzidine	0.0100	0.00284	28.4	0.00480	48.0	10-55		51	40	J3
Benzo(a)anthracene	0.0100	0.00877	87.7	0.00828	82.8	68-113		5.8	20	
Benzo(a)pyrene	0.0100	0.00807	80.7	0.00820	82.0	68-115		1.6	20	
Benzo(b)fluoranthene	0.0100	0.00845	84.5	0.00847	84.7	67-114		0.3	20	
Benzo(g,h,i)perylene	0.0100	0.00939	93.9	0.00938	93.8	52-132		0.1	20	
Benzo(k)fluoranthene	0.0100	0.00822	82.2	0.00834	83.4	62-116		1.4	20	
Benzylbutyl phthalate	0.0100	0.00966	96.6	0.00888	88.8	12-166		8.5	20	
Bis(2-chlorethoxy)methane	0.0100	0.00741	74.1	0.00804	80.4	56-116		8.1	20	
Bis(2-chloroethyl)ether	0.0100	0.00614	61.4	0.00613	61.3	39-109		0.1	23	
Bis(2-chloroisopropyl)ether	0.0100	0.00645	64.5	0.00702	70.2	43-108		8.4	20	
Bis(2-ethylhexyl)phthalate	0.0100	0.00988	98.8	0.00932	93.2	61-147		5.8	20	
Chrysene	0.0100	0.00863	86.3	0.00836	83.6	65-114		3.1	20	
Dibenz(a,h)anthracene	0.0100	0.00949	94.9	0.00948	94.8	54-130		0.2	20	
Diethyl phthalate	0.0100	0.00900	90.0	0.00857	85.7	33-136		4.9	20	
Dimethyl phthalate	0.0100	0.00840	84.0	0.00784	78.4	10-152		6.9	22	
Di-n-butyl phthalate	0.0100	0.00913	91.3	0.00860	86.0	56-133		6.0	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011 3:27:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Laboratory Control Sample/ Laboratory Control Sample Duplicate

Analyte	Spike	LCS	% Rec	LCSD	% Rec	Control Limits	Qualifier	% RPD	Control Limits	Qualifier
Di-n-octyl phthalate	0.0100	0.00993	99.3	0.00920	92.0	59-143		7.7	20	
Fluoranthene	0.0100	0.00838	83.8	0.00809	80.9	66-120		3.5	20	
Fluorene	0.0100	0.00781	78.1	0.00804	80.4	58-110		2.9	20	
Hexachloro-1,3-butadiene	0.0100	0.00603	60.3	0.00649	64.9	34-115		7.4	22	
Hexachlorobenzene	0.0100	0.00722	72.2	0.00701	70.1	55-117		3.0	20	
Hexachlorocyclopentadiene	0.0100	0.00658	65.8	0.00691	69.1	20-121		5.0	27	
Hexachloroethane	0.0100	0.00550	55.0	0.00556	55.6	24-93		1.2	25	
Indeno(1,2,3-cd)pyrene	0.0100	0.00912	91.2	0.00900	90.0	56-129		1.2	20	
Isophorone	0.0100	0.00634	63.4	0.00683	68.3	55-108		7.5	20	
Naphthalene	0.0100	0.00671	67.1	0.00699	69.9	42-103		4.0	20	
Nitrobenzene	0.0100	0.00657	65.7	0.00725	72.5	39-102		9.8	20	
n-Nitrosodimethylamine	0.0100	0.00342	34.2	0.00356	35.6	12-68		4.0	31	
n-Nitrosodi-n-propylamine	0.0100	0.00720	72.0	0.00775	77.5	50-115		7.4	20	
n-Nitrosodiphenylamine	0.0100	0.00821	82.1	0.00836	83.6	55-98		1.8	20	
Pentachlorophenol	0.0100	0.00735	73.5	0.00610	61.0	10-101		19	40	
Phenanthrene	0.0100	0.00819	81.9	0.00821	82.1	61-110		0.2	20	
Phenol	0.0100	0.00296	29.6	0.00304	30.4	10-53		2.6	20	
Pyrene	0.0100	0.00878	87.8	0.00856	85.6	65-116		2.6	20	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011 4:07:00 PM	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Method Blank Summary

Client Sample ID	Laboratory Sample ID	Lab Filename	Instrument	Date Analyzed	Time Analyzed
LCS WG564071	LCS WG564071	1107_05.D	BNAMS10	11/7/2011	9:28 AM
LCSD WG564071	LCSD WG564071	1107_06.D	BNAMS10	11/7/2011	9:50 AM
Blank WG564071	Blank WG564071	1107_07.D	BNAMS10	11/7/2011	10:10 AM
KC91-152U	L544884-01	1107_24.D	BNAMS10	11/7/2011	4:07 PM
MS WG564071	MS WG564071	1107_25.D	BNAMS10	11/7/2011	4:29 PM
MSD WG564071	MSD WG564071	1107_26.D	BNAMS10	11/7/2011	4:50 PM
RINSATE BLANK	L544884-08	1107_33.D	BNAMS10	11/7/2011	7:18 PM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011 8:40:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Method Blank Summary

Client Sample ID	Laboratory Sample ID	Lab Filename	Instrument	Date Analyzed	Time Analyzed
LCS WG564274	LCS WG564274	1108_07.D	BNAMS11	11/8/2011	2:07 PM
LCSD WG564274	LCSD WG564274	1108_08.D	BNAMS11	11/8/2011	2:27 PM
Blank WG564274	Blank WG564274	1108_09.D	BNAMS11	11/8/2011	2:48 PM
KC91-152L	L544884-02	1108_21.D	BNAMS11	11/8/2011	8:40 PM
KC91-156L	L544884-03	1108_22.D	BNAMS11	11/8/2011	8:59 PM
KC91-156U	L544884-04	1108_23.D	BNAMS11	11/8/2011	9:20 PM
KC91-157U	L544884-05	1108_24.D	BNAMS11	11/8/2011	9:40 PM
Blank WG564274	Blank WG564274	1109A_10.D	BNAMS1	11/9/2011	6:44 PM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-volatile Organic Compounds by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011 3:27:00 PM	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Method Blank Summary

Client Sample ID	Laboratory Sample ID	Lab Filename	Instrument	Date Analyzed	Time Analyzed
LCS WG564565	LCS WG564565	1109_04.D	BNAMS11	11/9/2011	12:09 PM
LCSD WG564565	LCSD WG564565	1109_05.D	BNAMS11	11/9/2011	12:29 PM
Blank WG564565	Blank WG564565	1109_06.D	BNAMS11	11/9/2011	12:49 PM
KC91-15L	L544884-06	1109_14.D	BNAMS11	11/9/2011	3:27 PM
DUP	L544884-07	1109_15.D	BNAMS11	11/9/2011	3:47 PM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Instrument Performance Summary

FileID:1107_02.D Date:11/7/2011 Time: 8:01 AM

m/e	Ion Abundance Criteria	% Relative Abundance
51	30 - 60% of mass 198	35.0
68	Less than 2% of mass 69	(0.0)1
69	Less than 100% of mass 198	0.6
70	Less than 2% of mass 69	(48.3)1
127	40 - 60% of mass 198	0.0
197	Less than 1% of mass 198	100.0
198	Base Peak, 100% relative abundance	6.8
199	5 - 9% of mass 198	25.0
275	10 - 30% of mass 198	2.6
365	1.0 - 100% of mass 198	0.0
441	Present, but less than mass 443	75.6
442	40 - 100% of mass 198	19.1
443	17 - 23% of mass 442	(ERROR)2

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
LCS WG564071	LCS WG564071	1107_05.D	11/7/2011	9:28 AM
LCSD WG564071	LCSD WG564071	1107_06.D	11/7/2011	9:50 AM
Blank WG564071	Blank WG564071	1107_07.D	11/7/2011	10:10 AM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Instrument Performance Summary

FileID:1107_16.D Date:11/7/2011 Time: 1:19 PM

m/e	Ion Abundance Criteria	% Relative Abundance
51	30 - 60% of mass 198	34.8
68	Less than 2% of mass 69	(0.0)1
69	Less than 100% of mass 198	0.5
70	Less than 2% of mass 69	(46.7)1
127	40 - 60% of mass 198	0.0
197	Less than 1% of mass 198	100.0
198	Base Peak, 100% relative abundance	6.8
199	5 - 9% of mass 198	25.3
275	10 - 30% of mass 198	2.7
365	1.0 - 100% of mass 198	0.0
441	Present, but less than mass 443	78.5
442	40 - 100% of mass 198	19.2
443	17 - 23% of mass 442	(ERROR)2

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
KC91-152U	L544884-01	1107_24.D	11/7/2011	4:07 PM
MS WG564071	MS WG564071	1107_25.D	11/7/2011	4:29 PM
MSD WG564071	MSD WG564071	1107_26.D	11/7/2011	4:50 PM
RINSATE BLANK	L544884-08	1107_33.D	11/7/2011	7:18 PM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Instrument Performance Summary

FileID:1108_04.D Date:11/8/2011 Time: 1:08 PM

m/e	Ion Abundance Criteria	% Relative Abundance
51	30 - 60% of mass 198	39.8
68	Less than 2% of mass 69	(1.8)1
69	Less than 100% of mass 198	0.5
70	Less than 2% of mass 69	(50.6)1
127	40 - 60% of mass 198	0.3
197	Less than 1% of mass 198	100.0
198	Base Peak, 100% relative abundance	6.7
199	5 - 9% of mass 198	24.5
275	10 - 30% of mass 198	3.5
365	1.0 - 100% of mass 198	14.1
441	Present, but less than mass 443	91.2
442	40 - 100% of mass 198	18.8
443	17 - 23% of mass 442	(ERROR)2

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
LCS WG564274	LCS WG564274	1108_07.D	11/8/2011	2:07 PM
LCSD WG564274	LCSD WG564274	1108_08.D	11/8/2011	2:27 PM
Blank WG564274	Blank WG564274	1108_09.D	11/8/2011	2:48 PM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Instrument Performance Summary

FileID:1108_17.D Date:11/8/2011 Time: 5:56 PM

m/e	Ion Abundance Criteria	% Relative Abundance
51	30 - 60% of mass 198	39.7
68	Less than 2% of mass 69	(1.7)1
69	Less than 100% of mass 198	38.5
70	Less than 2% of mass 69	(0.5)1
127	40 - 60% of mass 198	50.4
197	Less than 1% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5 - 9% of mass 198	6.7
275	10 - 30% of mass 198	24.6
365	1.0 - 100% of mass 198	3.3
441	Present, but less than mass 443	75.7
442	40 - 100% of mass 198	83.2
443	17 - 23% of mass 442	(19.5)2

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
KC91-152L	L544884-02	1108_21.D	11/8/2011	8:40 PM
KC91-156L	L544884-03	1108_22.D	11/8/2011	8:59 PM
KC91-156U	L544884-04	1108_23.D	11/8/2011	9:20 PM
KC91-157U	L544884-05	1108_24.D	11/8/2011	9:40 PM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Instrument Performance Summary

FileID:1109_01.D Date:11/9/2011 Time: 11:09 AM

m/e	Ion Abundance Criteria	% Relative Abundance
51	30 - 60% of mass 198	41.9
68	Less than 2% of mass 69	(1.7)1
69	Less than 100% of mass 198	0.6
70	Less than 2% of mass 69	(51.0)1
127	40 - 60% of mass 198	0.4
197	Less than 1% of mass 198	100.0
198	Base Peak, 100% relative abundance	6.7
199	5 - 9% of mass 198	24.1
275	10 - 30% of mass 198	3.2
365	1.0 - 100% of mass 198	14.3
441	Present, but less than mass 443	82.9
442	40 - 100% of mass 198	18.8
443	17 - 23% of mass 442	(ERROR)2

This Check applies to the following samples and quality control samples

Client Sample ID	Laboratory Sample ID	Lab Filename	Date Analyzed	Time Analyzed
LCS WG564565	LCS WG564565	1109_04.D	11/9/2011	12:09 PM
LCSD WG564565	LCSD WG564565	1109_05.D	11/9/2011	12:29 PM
Blank WG564565	Blank WG564565	1109_06.D	11/9/2011	12:49 PM
KC91-15L	L544884-06	1109_14.D	11/9/2011	3:27 PM
DUP	L544884-07	1109_15.D	11/9/2011	3:47 PM

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project: Bannister Complex, KCMO
Instrument ID: BNAMS10
Method Name : S810K04K.M

Relative Response Factor Summary

Compound Name	Level 1K	Level 5K	Level 10K	Level 20K	Level 30K	Level 40K	Level 50K	Level 1K1	Level 5K1	Average RRF	%RSD
Pyridine	1.351	1.266	1.519	1.487	1.476	1.427	1.493			1.403	8.32
N-Nitrosodimethylamine	0.702	0.649	0.683	0.683	0.667	0.623	0.658			0.674	4.78
2-Fluorophenol	1.229	1.245	1.448	1.424	1.435	1.349	1.430			1.336	8.99
Aniline	1.397	1.363	1.541	1.388	1.477	1.407	1.760			1.430	12.88
bis(2-Chloroethyl)ether	1.684	1.687	1.744	1.818	1.690	1.612	1.400			1.645	7.99
Phenol-d5	1.382	1.370	1.505	1.477	1.452	1.409	1.429			1.393	8.47
Phenol	1.704	1.673	1.803	1.774	1.713	1.621	1.680			1.703	3.56
Benzaldehyde								1.144	1.107	1.059	6.65
2-Chlorophenol	1.468	1.424	1.512	1.466	1.414	1.332	1.372			1.414	4.76
n-Decane	0.781	0.686	0.741	0.682	0.633	0.577	0.584			0.695	14.75
1,3-Dichlorobenzene	1.655	1.568	1.682	1.609	1.551	1.475	1.526			1.573	4.53
1,4-Dichlorobenzene	1.668	1.578	1.699	1.580	1.579	1.464	1.504			1.566	5.64
Benzyl Alcohol	0.971	0.954	1.021	0.988	1.002	0.944	0.992			0.961	6.67
1,2-Dichlorobenzene	1.562	1.495	1.560	1.525	1.471	1.369	1.391			1.483	4.82
bis(2-Chloroisopropyl)ether	0.494	0.464	0.502	0.484	0.467	0.434	0.458			0.473	4.54
2-Methylphenol	1.329	1.218	1.330	1.256	1.228	1.172	1.214			1.243	4.72
Hexachloroethane	0.596	0.555	0.607	0.590	0.586	0.566	0.582			0.580	3.12
N-Nitrosodi-n-propylamine	0.913	0.891	0.959	0.918	0.897	0.843	0.881			0.891	4.67
3&4-Methyl phenol	1.483	1.358	1.451	1.413	1.391	1.333	1.409			1.388	4.99
Acetophenone								1.758	1.634	1.656	3.55
Nitrobenzene-d5	0.361	0.346	0.375	0.358	0.346	0.348	0.347			0.351	3.97
Nitrobenzene	0.346	0.327	0.351	0.332	0.322	0.314	0.318			0.327	4.76
Isophorone	0.643	0.636	0.686	0.643	0.640	0.617	0.619			0.631	5.51
2-Nitrophenol	0.186	0.190	0.204	0.185	0.177	0.174	0.173			0.182	6.54
2,4-Dimethylphenol	0.309	0.278	0.342	0.290	0.278	0.276	0.277			0.289	8.79
bis(2-Chlorethoxy)methane	0.422	0.406	0.429	0.395	0.394	0.383	0.381			0.399	4.76
2,4-Dichlorophenol	0.276	0.282	0.302	0.296	0.285	0.286	0.279			0.281	6.53
Benzoic Acid								0.079	0.125	0.167	30.75

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project: Bannister Complex, KCMO
Instrument ID: BNAMS10
Method Name : S810K04K.M

Relative Response Factor Summary

Compound Name	Level 1K	Level 5K	Level 10K	Level 20K	Level 30K	Level 40K	Level 50K	Level 1K1	Level 5K1	Average RRF	%RSD
1,2,4-Trichlorobenzene	0.382	0.360	0.382	0.354	0.340	0.331	0.322			0.353	6.18
Naphthalene	1.157	1.072	1.150	1.059	0.985	0.964	0.908			1.046	8.39
4-Chloroaniline	0.107	0.098	0.102	0.100	0.092	0.096	0.096			0.098	5.20
Hexachloro-1,3-butadiene	0.181	0.173	0.187	0.172	0.165	0.159	0.155			0.170	6.50
Caprolactam								0.096	0.103	0.106	4.83
4-Chloro-3-methylphenol	0.277	0.280	0.308	0.294	0.285	0.289	0.291			0.281	8.67
2-Methylnaphthalene	0.694	0.665	0.721	0.675	0.633	0.604	0.601			0.650	6.91
1-Methylnaphthalene	0.737	0.679	0.744	0.661	0.628	0.601	0.576			0.660	9.09
1,2,4,5-Tetrachlorobenzene								0.330	0.301	0.293	7.16
Hexachlorocyclopentadiene	0.194	0.204	0.265	0.229	0.226	0.229	0.225			0.224	10.02
2,4,6-Trichlorophenol	0.350	0.358	0.400	0.386	0.363	0.358	0.358			0.352	13.30
2,4,5-Trichlorophenol	0.353	0.359	0.392	0.390	0.375	0.366	0.372			0.361	9.58
2-Fluorobiphenyl	1.451	1.301	1.444	1.290	1.187	1.143	1.111			1.275	9.95
Biphenyl	1.708	1.499	1.605	1.477	1.389	1.328	1.288			1.475	9.47
2-Chloronaphthalene	1.264	1.171	1.263	1.142	1.101	1.019	1.021			1.142	8.24
2-Nitroaniline	0.335	0.347	0.377	0.374	0.374	0.366	0.379			0.351	12.14
Acenaphthylene	1.895	1.802	1.922	1.734	1.665	1.584	1.543			1.722	8.19
Dimethyl phthalate	1.405	1.284	1.398	1.275	1.276	1.212	1.218			1.278	6.79
2,6-Dinitrotoluene	0.303	0.293	0.320	0.302	0.301	0.290	0.295			0.290	10.55
3-Nitroaniline		0.199	0.173	0.149	0.149	0.151	0.184			0.168	12.69
Acenaphthene	1.320	1.164	1.280	1.159	1.065	0.975	0.963			1.134	11.40
2,4-Dinitrophenol	0.052	0.077	0.091	0.112	0.114	0.115	0.116			0.097	25.35
Dibenzofuran	1.681	1.582	1.684	1.551	1.522	1.411	1.406			1.544	6.83
2,4-Dinitrotoluene	0.322	0.351	0.386	0.386	0.385	0.378	0.388			0.371	6.82
2,3,4,6-Tetrachlorophenol								0.185	0.212	0.224	9.42
4-Nitrophenol		0.182	0.207	0.204	0.198	0.184	0.200			0.196	5.24
Fluorene	1.353	1.233	1.352	1.238	1.173	1.107	1.107			1.218	7.94
4-Chlorophenyl-phenylether	0.656	0.637	0.686	0.635	0.612	0.568	0.562			0.616	7.35
Diethyl phthalate	1.332	1.247	1.375	1.299	1.209	1.138	1.145			1.234	7.72

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project: Bannister Complex, KCMO
Instrument ID: BNAMS10
Method Name : S810K04K.M

Relative Response Factor Summary

Compound Name	Level 1K	Level 5K	Level 10K	Level 20K	Level 30K	Level 40K	Level 50K	Level 1K1	Level 5K1	Average RRF	%RSD
Diethyl phthalate	1.332	1.247	1.375	1.299	1.209	1.138	1.145			1.234	7.72
4-Nitroaniline		0.179	0.164	0.138	0.122	0.113	0.118			0.139	19.56
Azobenzene	1.275	1.204	1.267	1.188	1.171	1.069	1.185			1.172	7.68
Atrazine								0.360	0.366	0.358	4.37
4,6-Dinitro-2-methylphenol	0.067	0.087	0.091	0.102	0.100	0.099	0.105			0.093	14.16
N-Nitrosodiphenylamine	0.729	0.642	0.677	0.631	0.594	0.557	0.531			0.621	10.30
2,4,6-Tribromophenol	0.086	0.087	0.090	0.093	0.095	0.094	0.090			0.087	13.69
4-Bromophenyl-phenylether	0.241	0.223	0.230	0.222	0.207	0.202	0.200			0.217	6.51
Hexachlorobenzene	0.277	0.245	0.257	0.240	0.221	0.214	0.203			0.235	10.40
n-octadecane	0.159	0.137	0.144	0.123	0.116	0.105				0.133	14.23
Pentachlorophenol	0.084	0.113	0.126	0.138	0.138	0.136	0.139			0.125	16.31
Phenanthrene	1.254	1.125	1.180	1.101	1.039	0.981	0.930			1.093	9.67
Anthracene	1.145	1.086	1.164	1.074	1.023	0.924	0.910			1.040	9.04
Carbazole	0.957	0.891	0.902	0.869	0.861	0.832	0.857			0.864	7.18
Di-n-butyl phthalate	1.551	1.455	1.501	1.372	1.280	1.160	1.060			1.311	14.27
2-nitrodiphenylamine								0.178	0.202	0.219	10.02
Fluoranthene	1.174	1.135	1.217	1.154	1.124	1.049	1.005			1.102	8.16
Benzidine									0.548	0.627	6.33
Pyrene	1.745	1.598	1.789	1.683	1.556	1.567	1.470			1.604	7.95
p-Terphenyl-d14	1.163	1.091	1.227	1.196	1.107	1.142	1.090			1.122	7.31
Benzylbutyl phthalate	0.726	0.785	0.883	0.862	0.812	0.812	0.755			0.772	13.97
3,3-Dichlorobenzidine								0.347	0.280	0.277	11.83
Benzo(a)anthracene	1.204	1.108	1.219	1.170	1.128	1.178	1.178			1.156	4.64
Chrysene	1.173	1.045	1.147	1.065	1.037	1.074	1.059			1.075	5.29
bis(2-Ethylhexyl)phthalate	0.992	1.060	1.281	1.240	1.185	1.208	1.137			1.158	8.81
Di-n-octyl phthalate	1.439	1.633	1.901	1.922	1.869	1.960	1.889			1.802	10.66
Benzo(b)fluoranthene	1.096	1.052	1.148	1.130	1.145	1.160	1.197			1.104	8.36
Benzo(k)fluoranthene	0.985	1.037	1.100	1.066	1.005	0.940	0.943			0.997	6.86

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project: Bannister Complex, KCMO
Instrument ID: BNAMS10

Method Name : S810K04K.M

Relative Response Factor Summary

Compound Name	Level 1K	Level 5K	Level 10K	Level 20K	Level 30K	Level 40K	Level 50K	Level 1K1	Level 5K1	Average RRF	%RSD
Benzo(a)pyrene	0.994	1.008	1.084	1.075	1.063	1.049	1.049			1.019	8.28
Indeno(1,2,3-cd)pyrene	1.289	1.272	1.402	1.375	1.300	1.252	1.240			1.277	7.59
Dibenz(a,h)anthracene	1.112	1.117	1.208	1.161	1.112	1.066	1.051			1.098	6.85
Benzo(g,h,i)perylene	1.168	1.115	1.228	1.200	1.121	1.110	1.064			1.132	5.57

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project: Bannister Complex, KCMO
Instrument ID: BNAMS11
Method Name : S811K05K.M

Relative Response Factor Summary

Compound Name	Level 1K	Level 5K	Level 10K	Level 20K	Level 30K	Level 40K	Level 50K	Level 1K1	Level 5K1	Average RRF	%RSD
Pyridine	1.204	1.361	1.432	1.494	1.475	1.447	1.480			1.413	7.25
N-Nitrosodimethylamine	0.858	0.829	0.861	0.870	0.859	0.877	0.862			0.877	5.87
2-Fluorophenol	1.215	1.273	1.260	1.300	1.303	1.306	1.304			1.256	6.04
Aniline	1.940	2.031	2.031	2.071	2.115	2.257	2.268			2.063	7.57
bis(2-Chloroethyl)ether	1.501	1.478	1.432	1.498	1.384	1.312	1.207			1.413	7.55
Phenol-d5	1.551	1.535	1.462	1.576	1.528	1.569	1.526			1.502	6.62
Phenol	1.830	1.744	1.759	1.861	1.789	1.812	1.746			1.771	4.04
Benzaldehyde								1.087	1.138	1.069	5.01
2-Chlorophenol	1.481	1.460	1.386	1.410	1.398	1.412	1.366			1.401	4.13
n-Decane	0.999	0.918	0.942	0.921	0.838	0.815	0.788			0.896	8.22
1,3-Dichlorobenzene	1.635	1.614	1.541	1.580	1.527	1.551	1.530			1.564	2.61
1,4-Dichlorobenzene	1.624	1.610	1.538	1.577	1.559	1.534	1.489			1.568	3.01
Benzyl Alcohol	1.199	1.227	1.199	1.336	1.270	1.306	1.246			1.232	6.45
1,2-Dichlorobenzene	1.523	1.510	1.461	1.457	1.400	1.437	1.352			1.452	3.85
bis(2-Chloroisopropyl)ether	0.481	0.489	0.481	0.479	0.469	0.467	0.452			0.466	5.63
2-Methylphenol	1.324	1.309	1.318	1.328	1.252	1.282	1.279			1.283	4.06
Hexachloroethane	0.658	0.656	0.626	0.672	0.638	0.655	0.643			0.647	2.50
N-Nitrosodi-n-propylamine	1.109	1.080	1.084	1.111	1.063	1.099	1.099			1.075	4.77
3&4-Methyl phenol	1.498	1.424	1.399	1.443	1.432	1.460	1.419			1.418	4.79
Acetophenone								1.851	1.797	1.800	2.55
Nitrobenzene-d5	0.452	0.451	0.446	0.452	0.455	0.442	0.444			0.439	6.22
Nitrobenzene	0.422	0.400	0.403	0.409	0.406	0.395	0.399			0.400	3.84
Isophorone	0.752	0.725	0.735	0.725	0.724	0.733	0.725			0.718	5.12
2-Nitrophenol	0.156	0.176	0.174	0.181	0.187	0.181	0.182			0.177	5.68
2,4-Dimethylphenol	0.373	0.325	0.359	0.314	0.331	0.333	0.329			0.335	6.09
bis(2-Chlorethoxy)methane	0.463	0.433	0.419	0.431	0.431	0.430	0.419			0.428	4.30
2,4-Dichlorophenol	0.303	0.282	0.287	0.293	0.297	0.289	0.286			0.285	6.67
Benzoic Acid								0.006	0.064	0.136	58.54

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project: Bannister Complex, KCMO
Instrument ID: BNAMS11
Method Name : S811K05K.M

Relative Response Factor Summary

Compound Name	Level 1K	Level 5K	Level 10K	Level 20K	Level 30K	Level 40K	Level 50K	Level 1K1	Level 5K1	Average RRF	%RSD
1,2,4-Trichlorobenzene	0.361	0.327	0.319	0.332	0.316	0.317	0.324			0.325	5.14
Naphthalene	1.205	1.104	1.078	1.058	1.084	1.037	0.977			1.079	6.02
4-Chloroaniline	0.172	0.141	0.143	0.138	0.144	0.134	0.136			0.140	11.53
Hexachloro-1,3-butadiene	0.208	0.196	0.188	0.188	0.191	0.186	0.190			0.191	4.19
Caprolactam								0.093	0.103	0.105	5.75
4-Chloro-3-methylphenol	0.319	0.316	0.318	0.335	0.328	0.334	0.318			0.317	6.87
2-Methylnaphthalene	0.761	0.691	0.692	0.679	0.685	0.666	0.664			0.683	5.61
1-Methylnaphthalene	0.793	0.715	0.690	0.692	0.699	0.673	0.630			0.695	6.72
1,2,4,5-Tetrachlorobenzene								0.319	0.294	0.296	4.62
Hexachlorocyclopentadiene	0.245	0.276	0.317	0.313	0.307	0.323	0.329			0.290	14.96
2,4,6-Trichlorophenol	0.348	0.387	0.379	0.398	0.382	0.386	0.384			0.366	12.19
2,4,5-Trichlorophenol	0.368	0.410	0.398	0.418	0.411	0.404	0.381			0.384	11.93
2-Fluorobiphenyl	1.400	1.416	1.376	1.385	1.311	1.301	1.273			1.337	4.95
Biphenyl	1.599	1.553	1.551	1.537	1.478	1.458	1.452			1.499	5.06
2-Chloronaphthalene	1.292	1.273	1.159	1.218	1.171	1.140	1.085			1.172	7.48
2-Nitroaniline	0.364	0.397	0.375	0.409	0.393	0.404	0.400			0.381	8.88
Acenaphthylene	1.966	1.861	1.852	1.900	1.812	1.792	1.779			1.826	5.17
Dimethyl phthalate	1.442	1.399	1.355	1.425	1.386	1.348	1.409			1.372	5.30
2,6-Dinitrotoluene	0.305	0.335	0.302	0.324	0.312	0.310	0.301			0.302	10.66
3-Nitroaniline	0.320	0.308	0.310	0.316	0.303	0.301	0.301			0.300	8.57
Acenaphthene	1.296	1.216	1.209	1.175	1.172	1.128	1.055			1.180	5.92
2,4-Dinitrophenol		0.061	0.080	0.125	0.139	0.148	0.151			0.117	32.41
Dibenzofuran	1.755	1.731	1.616	1.645	1.586	1.586	1.594			1.635	4.32
2,4-Dinitrotoluene	0.363	0.403	0.395	0.430	0.413	0.418	0.413			0.388	13.10
2,3,4,6-Tetrachlorophenol								0.203	0.237	0.252	10.19
4-Nitrophenol		0.202	0.215	0.244	0.240	0.249	0.252			0.234	8.67
Fluorene	1.468	1.415	1.382	1.364	1.321	1.318	1.295			1.357	4.54
4-Chlorophenyl-phenylether	0.661	0.646	0.622	0.617	0.618	0.622	0.601			0.619	4.51
Diethyl phthalate	1.482	1.466	1.412	1.439	1.397	1.393	1.359			1.400	5.08

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project: Bannister Complex, KCMO
Instrument ID: BNAMS11

Method Name : S811K05K.M

Relative Response Factor Summary

Compound Name	Level 1K	Level 5K	Level 10K	Level 20K	Level 30K	Level 40K	Level 50K	Level 1K1	Level 5K1	Average RRF	%RSD
Diethyl phthalate	1.482	1.466	1.412	1.439	1.397	1.393	1.359			1.400	5.08
4-Nitroaniline	0.302	0.256	0.230	0.248	0.235	0.240	0.239			0.245	11.10
Azobenzene	1.550	1.541	1.556	1.568	1.491	1.530	1.511			1.509	5.31
Atrazine								0.374	0.402	0.377	3.64
4,6-Dinitro-2-methylphenol		0.094	0.104	0.123	0.123	0.128	0.137			0.118	13.51
N-Nitrosodiphenylamine	0.808	0.732	0.708	0.673	0.630	0.669	0.674			0.693	8.14
2,4,6-Tribromophenol	0.103	0.108	0.107	0.115	0.110	0.115	0.114			0.105	14.54
4-Bromophenyl-phenylether	0.256	0.231	0.226	0.228	0.220	0.220	0.221			0.229	5.08
Hexachlorobenzene	0.295	0.270	0.258	0.245	0.234	0.244	0.238			0.252	8.52
n-octadecane	0.186	0.168	0.175	0.159	0.144	0.143	0.140			0.159	10.44
Pentachlorophenol	0.111	0.141	0.155	0.162	0.159	0.167	0.171			0.140	28.66
Phenanthrene	1.354	1.286	1.184	1.181	1.114	1.149	1.130			1.196	6.87
Anthracene	1.264	1.182	1.211	1.139	1.109	1.103	1.076			1.146	5.86
Carbazole	1.201	1.157	1.096	1.087	1.007	1.063	1.013			1.081	6.48
Di-n-butyl phthalate	1.692	1.583	1.614	1.554	1.448	1.403	1.424			1.520	6.93
2-nitrodiphenylamine								0.249	0.302	0.309	9.57
Fluoranthene	1.380	1.355	1.325	1.289	1.208	1.255	1.260			1.284	5.10
Benzidine								0.675	0.711	0.759	6.43
Pyrene	1.538	1.476	1.427	1.453	1.421	1.449	1.436			1.430	6.06
p-Terphenyl-d14	0.824	0.837	0.785	0.829	0.809	0.823	0.807			0.802	5.50
Benzylbutyl phthalate	0.702	0.734	0.730	0.738	0.747	0.725	0.719			0.710	7.41
3,3-Dichlorobenzidine								0.417	0.394	0.406	2.78
Benzo(a)anthracene	1.317	1.268	1.226	1.248	1.241	1.263	1.267			1.249	3.48
Chrysene	1.308	1.208	1.161	1.162	1.165	1.173	1.183			1.177	5.94
bis(2-Ethylhexyl)phthalate	1.053	1.084	1.076	1.077	1.074	1.063	1.039			1.037	8.28
Di-n-octyl phthalate	1.672	1.819	1.810	1.873	1.852	1.844	1.843			1.750	11.19
Benzo(b)fluoranthene	1.245	1.226	1.180	1.281	1.250	1.284	1.309			1.222	8.03
Benzo(k)fluoranthene	1.200	1.184	1.126	1.192	1.197	1.222	1.193			1.159	7.41

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project: Bannister Complex, KCMO
Instrument ID: BNAMS11

Method Name : S811K05K.M

Relative Response Factor Summary

Compound Name	Level 1K	Level 5K	Level 10K	Level 20K	Level 30K	Level 40K	Level 50K	Level 1K1	Level 5K1	Average RRF	%RSD
Benzo(a)pyrene	1.133	1.183	1.129	1.222	1.208	1.222	1.231			1.160	8.11
Indeno(1,2,3-cd)pyrene	1.236	1.275	1.265	1.365	1.325	1.310	1.232			1.253	8.57
Dibenz(a,h)anthracene	0.948	0.993	1.005	1.102	1.072	1.057	1.010			0.985	12.86
Benzo(g,h,i)perylene	1.063	1.087	1.090	1.144	1.095	1.054	0.972			1.045	8.61

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS10

Method Name : S810K04K.M Date : 11/7/2011
FileName : 1107_03.D Time : 8:22 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D		
n-Nitrosodimethylamine	0.6740	0.6803	0.9		
Bis(2-chloroethyl)ether	1.6450	1.8112	10		
Phenol	1.7030	1.7701	3.9		
2-Chlorophenol	1.4140	1.4976	5.9		
1,4-Dichlorobenzene	1.5660	1.6641	6.3		
Bis(2-chloroisopropyl)ether	0.4730	0.5000	5.7		
Hexachloroethane	0.5800	0.6063	4.5		
n-Nitrosodi-n-propylamine	0.8910	0.9326	4.7	>0.05	
Nitrobenzene	0.3270	0.3515	7.5		
Isophorone	0.6310	0.6830	8.2		
2-Nitrophenol	0.1820	0.2136	17		
2,4-Dimethylphenol	0.2890	0.3501	21		
Bis(2-chlorethoxy)methane	0.3990	0.4318	8.2		
2,4-Dichlorophenol	0.2810	0.3113	11		
1,2,4-Trichlorobenzene	0.3530	0.3949	12		
Naphthalene	1.0460	1.1402	9.0		
Hexachloro-1,3-butadiene	0.1700	0.1946	14		
4-Chloro-3-methylphenol	0.2810	0.3169	13		
Hexachlorocyclopentadiene	0.2240	0.2537	13	>0.05	
2,4,6-Trichlorophenol	0.3520	0.4024	14		
2-Chloronaphthalene	1.1420	1.2839	12		
Acenaphthylene	1.7220	1.9643	14		
Dimethyl phthalate	1.2780	1.3802	8.0		
2,6-Dinitrotoluene	0.2900	0.3283	13		
Acenaphthene	1.1340	1.2940	14		
2,4-Dinitrophenol	0.0970	0.1026	5.8	>0.05	**
2,4-Dinitrotoluene	0.3710	0.3945	6.3		
4-Nitrophenol	0.1960	0.2112	7.8	>0.05	
Fluorene	1.2180	1.3767	13		
4-Chlorophenyl-phenylether	0.6160	0.7003	14		
Diethyl phthalate	1.2340	1.4203	15		

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS10

Method Name : S810K04K.M Date : 11/7/2011
FileName : 1107_03.D Time : 8:22 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
4,6-Dinitro-2-methylphenol	0.0930	0.0924	0.6	
n-Nitrosodiphenylamine	0.6210	0.6672	7.4	
4-Bromophenyl-phenylether	0.2170	0.2313	6.6	
Hexachlorobenzene	0.2350	0.2607	11	
Pentachlorophenol	0.1250	0.1435	15	**
Phenanthrene	1.0930	1.1471	5.0	
Anthracene	1.0400	1.1078	6.5	
Di-n-butyl phthalate	1.3110	1.4939	14	
Fluoranthene	1.1020	1.1984	8.8	
Pyrene	1.6040	1.8247	14	
Benzylbutyl phthalate	0.7720	0.9107	18	
Benzo(a)anthracene	1.1560	1.2472	7.9	
Chrysene	1.0750	1.1508	7.1	
Bis(2-ethylhexyl)phthalate	1.1580	1.3160	14	
Di-n-octyl phthalate	1.8020	1.9997	11	
Benzo(b)fluoranthene	1.1040	1.1332	2.6	
Benzo(k)fluoranthene	0.9970	1.0872	9.0	
Benzo(a)pyrene	1.0190	1.0902	7.0	
Indeno(1,2,3-cd)pyrene	1.2770	1.4208	11	
Dibenz(a,h)anthracene	1.0980	1.2378	13	
Benzo(g,h,i)perylene	1.1320	1.2180	7.6	

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS10

Method Name : S810K04K.M Date : 11/7/2011
FileName : 1107_17.D Time : 1:40 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D		
n-Nitrosodimethylamine	0.6740	0.6585	2.3		
Bis(2-chloroethyl)ether	1.6450	1.8090	10.0		
Phenol	1.7030	1.7833	4.7		
2-Chlorophenol	1.4140	1.5611	10		
1,4-Dichlorobenzene	1.5660	1.6561	5.8		
Bis(2-chloroisopropyl)ether	0.4730	0.5026	6.3		
Hexachloroethane	0.5800	0.6010	3.6		
n-Nitrosodi-n-propylamine	0.8910	0.9515	6.8	>0.05	
Nitrobenzene	0.3270	0.3652	12		
Isophorone	0.6310	0.7030	11		
2-Nitrophenol	0.1820	0.2146	18		
2,4-Dimethylphenol	0.2890	0.3474	20		
Bis(2-chlorethoxy)methane	0.3990	0.4295	7.6		
2,4-Dichlorophenol	0.2810	0.3173	13		
1,2,4-Trichlorobenzene	0.3530	0.3886	10		
Naphthalene	1.0460	1.1543	10		
Hexachloro-1,3-butadiene	0.1700	0.1894	11		
4-Chloro-3-methylphenol	0.2810	0.3271	16		
Hexachlorocyclopentadiene	0.2240	0.2487	11	>0.05	
2,4,6-Trichlorophenol	0.3520	0.4072	16		
2-Chloronaphthalene	1.1420	1.2553	9.9		
Acenaphthylene	1.7220	1.9107	11		
Dimethyl phthalate	1.2780	1.3913	8.9		
2,6-Dinitrotoluene	0.2900	0.3308	14		
Acenaphthene	1.1340	1.2457	9.8		
2,4-Dinitrophenol	0.0970	0.1022	5.4	>0.05	**
2,4-Dinitrotoluene	0.3710	0.4032	8.7		
4-Nitrophenol	0.1960	0.2028	3.5	>0.05	
Fluorene	1.2180	1.3780	13		
4-Chlorophenyl-phenylether	0.6160	0.6931	13		
Diethyl phthalate	1.2340	1.3604	10		

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS10

Method Name : S810K04K.M Date : 11/7/2011
FileName : 1107_17.D Time : 1:40 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
4,6-Dinitro-2-methylphenol	0.0930	0.0984	5.8	
n-Nitrosodiphenylamine	0.6210	0.6847	10	
4-Bromophenyl-phenylether	0.2170	0.2343	8.0	
Hexachlorobenzene	0.2350	0.2631	12	
Pentachlorophenol	0.1250	0.1351	8.0	**
Phenanthrene	1.0930	1.2098	11	
Anthracene	1.0400	1.1976	15	
Di-n-butyl phthalate	1.3110	1.5144	16	
Fluoranthene	1.1020	1.2476	13	
Pyrene	1.6040	1.7302	7.9	
Benzylbutyl phthalate	0.7720	0.8447	9.4	
Benzo(a)anthracene	1.1560	1.1775	1.9	
Chrysene	1.0750	1.1314	5.2	
Bis(2-ethylhexyl)phthalate	1.1580	1.2030	3.9	
Di-n-octyl phthalate	1.8020	1.8455	2.4	
Benzo(b)fluoranthene	1.1040	1.1724	6.2	
Benzo(k)fluoranthene	0.9970	1.0816	8.5	
Benzo(a)pyrene	1.0190	1.0985	7.8	
Indeno(1,2,3-cd)pyrene	1.2770	1.4104	10	
Dibenz(a,h)anthracene	1.0980	1.2371	13	
Benzo(g,h,i)perylene	1.1320	1.2091	6.8	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS11

Method Name : S811K05K.M Date : 11/8/2011
FileName : 1108_02.D Time : 9:44 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D		
n-Nitrosodimethylamine	0.8770	0.7960	9.2		
Bis(2-chloroethyl)ether	1.4130	3.3164	135		
Phenol	1.7710	1.7282	2.4		
2-Chlorophenol	1.4010	1.3313	5.0		
1,4-Dichlorobenzene	1.5680	1.5144	3.4		
Bis(2-chloroisopropyl)ether	0.4660	0.4482	3.8		
Hexachloroethane	0.6470	0.6254	3.3		
n-Nitrosodi-n-propylamine	1.0750	1.0193	5.2	>0.05	
Nitrobenzene	0.4000	0.4064	1.6		
Isophorone	0.7180	0.7500	4.5		
2-Nitrophenol	0.1770	0.1960	11		
2,4-Dimethylphenol	0.3350	0.3855	15		
Bis(2-chlorethoxy)methane	0.4280	0.4536	6.0		
2,4-Dichlorophenol	0.2850	0.3011	5.6		
1,2,4-Trichlorobenzene	0.3250	0.3380	4.0		
Naphthalene	1.0790	1.1083	2.7		
Hexachloro-1,3-butadiene	0.1910	0.1912	0.1		
4-Chloro-3-methylphenol	0.3170	0.3307	4.3		
Hexachlorocyclopentadiene	0.2900	0.3308	14	>0.05	
2,4,6-Trichlorophenol	0.3660	0.3809	4.1		
2-Chloronaphthalene	1.1720	1.1671	0.4		
Acenaphthylene	1.8260	1.7872	2.1		
Dimethyl phthalate	1.3720	1.3269	3.3		
2,6-Dinitrotoluene	0.3020	0.3173	5.1		
Acenaphthene	1.1800	1.1609	1.6		
2,4-Dinitrophenol	0.1170	0.1180	0.9	>0.05	**
2,4-Dinitrotoluene	0.3880	0.3862	0.5		
4-Nitrophenol	0.2340	0.2409	3.0	>0.05	
Fluorene	1.3570	1.3263	2.3		
4-Chlorophenyl-phenylether	0.6190	0.6013	2.9		
Diethyl phthalate	1.4000	1.3882	0.8		

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS11

Method Name : S811K05K.M Date : 11/8/2011
FileName : 1108_02.D Time : 9:44 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
4,6-Dinitro-2-methylphenol	0.1180	0.1204	2.0	
n-Nitrosodiphenylamine	0.6930	0.7252	4.7	
4-Bromophenyl-phenylether	0.2290	0.2243	2.1	
Hexachlorobenzene	0.2520	0.2487	1.3	
Pentachlorophenol	0.1400	0.1624	16	**
Phenanthrene	1.1960	1.1921	0.3	
Anthracene	1.1460	1.2037	5.0	
Di-n-butyl phthalate	1.5200	1.5065	0.9	
Fluoranthene	1.2840	1.3034	1.5	
Pyrene	1.4300	1.3877	3.0	
Benzylbutyl phthalate	0.7100	0.7330	3.2	
Benzo(a)anthracene	1.2490	1.2255	1.9	
Chrysene	1.1770	1.1383	3.3	
Bis(2-ethylhexyl)phthalate	1.0370	1.0542	1.7	
Di-n-octyl phthalate	1.7500	1.7900	2.3	
Benzo(k)fluoranthene	1.1590	1.1557	0.3	
Benzo(a)pyrene	1.1600	1.1207	3.4	
Indeno(1,2,3-cd)pyrene	1.2530	1.3146	4.9	
Dibenz(a,h)anthracene	0.9850	1.0626	7.9	
Benzo(g,h,i)perylene	1.0450	1.1307	8.2	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS11

Method Name : S811K05K.M Date : 11/8/2011
FileName : 1108_05.D Time : 1:28 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D		
n-Nitrosodimethylamine	0.8770	0.8380	4.4		
Bis(2-chloroethyl)ether	1.4130	1.4576	3.2		
Phenol	1.7710	1.8009	1.7		
2-Chlorophenol	1.4010	1.4425	3.0		
1,4-Dichlorobenzene	1.5680	1.5790	0.7		
Bis(2-chloroisopropyl)ether	0.4660	0.4714	1.2		
Hexachloroethane	0.6470	0.6362	1.7		
n-Nitrosodi-n-propylamine	1.0750	1.0966	2.0	>0.05	
Nitrobenzene	0.4000	0.4245	6.1		
Isophorone	0.7180	0.7388	2.9		
2-Nitrophenol	0.1770	0.1942	9.7		
2,4-Dimethylphenol	0.3350	0.3694	10		
Bis(2-chlorethoxy)methane	0.4280	0.4360	1.9		
2,4-Dichlorophenol	0.2850	0.2965	4.0		
1,2,4-Trichlorobenzene	0.3250	0.3393	4.4		
Naphthalene	1.0790	1.1314	4.9		
Hexachloro-1,3-butadiene	0.1910	0.1920	0.5		
4-Chloro-3-methylphenol	0.3170	0.3445	8.7		
Hexachlorocyclopentadiene	0.2900	0.3303	14	>0.05	
2,4,6-Trichlorophenol	0.3660	0.3885	6.1		
2-Chloronaphthalene	1.1720	1.1930	1.8		
Acenaphthylene	1.8260	1.9090	4.5		
Dimethyl phthalate	1.3720	1.3920	1.5		
2,6-Dinitrotoluene	0.3020	0.3241	7.3		
Acenaphthene	1.1800	1.2228	3.6		
2,4-Dinitrophenol	0.1170	0.1257	7.5	>0.05	**
2,4-Dinitrotoluene	0.3880	0.4162	7.3		
4-Nitrophenol	0.2340	0.2477	5.9	>0.05	
Fluorene	1.3570	1.3886	2.3		
4-Chlorophenyl-phenylether	0.6190	0.6178	0.2		
Diethyl phthalate	1.4000	1.4251	1.8		

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS11

Method Name : S811K05K.M Date : 11/8/2011
FileName : 1108_05.D Time : 1:28 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
4,6-Dinitro-2-methylphenol	0.1180	0.1160	1.7	
n-Nitrosodiphenylamine	0.6930	0.7061	1.9	
4-Bromophenyl-phenylether	0.2290	0.2279	0.5	
Hexachlorobenzene	0.2520	0.2378	5.6	
Pentachlorophenol	0.1400	0.1506	7.6	**
Phenanthrene	1.1960	1.1906	0.5	
Anthracene	1.1460	1.2096	5.5	
Di-n-butyl phthalate	1.5200	1.4892	2.0	
Fluoranthene	1.2840	1.2876	0.3	
Pyrene	1.4300	1.4219	0.6	
Benzylbutyl phthalate	0.7100	0.7241	2.0	
Benzo(a)anthracene	1.2490	1.2207	2.3	
Chrysene	1.1770	1.1783	0.1	
Bis(2-ethylhexyl)phthalate	1.0370	1.0249	1.2	
Di-n-octyl phthalate	1.7500	1.7891	2.2	
Benzo(b)fluoranthene	1.2220	1.1944	2.3	
Benzo(k)fluoranthene	1.1590	1.1224	3.2	
Benzo(a)pyrene	1.1600	1.1096	4.3	
Indeno(1,2,3-cd)pyrene	1.2530	1.3003	3.8	
Dibenz(a,h)anthracene	0.9850	1.0713	8.8	
Benzo(g,h,i)perylene	1.0450	1.1278	7.9	

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS11

Method Name : S811K05K.M Date : 11/8/2011
FileName : 1108_18.D Time : 6:15 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D		
n-Nitrosodimethylamine	0.8770	0.8672	1.1		
Bis(2-chloroethyl)ether	1.4130	1.5118	7.0		
Phenol	1.7710	1.9007	7.3		
2-Chlorophenol	1.4010	1.4748	5.3		
1,4-Dichlorobenzene	1.5680	1.6212	3.4		
Bis(2-chloroisopropyl)ether	0.4660	0.4861	4.3		
Hexachloroethane	0.6470	0.6486	0.2		
n-Nitrosodi-n-propylamine	1.0750	1.1074	3.0	>0.05	
Nitrobenzene	0.4000	0.4110	2.7		
Isophorone	0.7180	0.7374	2.7		
2-Nitrophenol	0.1770	0.1893	7.0		
2,4-Dimethylphenol	0.3350	0.3615	7.9		
Bis(2-chlorethoxy)methane	0.4280	0.4431	3.5		
2,4-Dichlorophenol	0.2850	0.2969	4.2		
1,2,4-Trichlorobenzene	0.3250	0.3336	2.6		
Naphthalene	1.0790	1.0946	1.4		
Hexachloro-1,3-butadiene	0.1910	0.1851	3.1		
4-Chloro-3-methylphenol	0.3170	0.3325	4.9		
Hexachlorocyclopentadiene	0.2900	0.3482	20	>0.05	
2,4,6-Trichlorophenol	0.3660	0.3852	5.3		
2-Chloronaphthalene	1.1720	1.1971	2.1		
Acenaphthylene	1.8260	1.9038	4.3		
Dimethyl phthalate	1.3720	1.3648	0.5		
2,6-Dinitrotoluene	0.3020	0.3280	8.6		
Acenaphthene	1.1800	1.1930	1.1		
2,4-Dinitrophenol	0.1170	0.1285	9.8	>0.05	**
2,4-Dinitrotoluene	0.3880	0.4160	7.2		
4-Nitrophenol	0.2340	0.2543	8.7	>0.05	
Fluorene	1.3570	1.4315	5.5		
4-Chlorophenyl-phenylether	0.6190	0.6093	1.6		
Diethyl phthalate	1.4000	1.4597	4.3		

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS11

Method Name : S811K05K.M Date : 11/8/2011
FileName : 1108_18.D Time : 6:15 PM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
4,6-Dinitro-2-methylphenol	0.1180	0.1233	4.5	
n-Nitrosodiphenylamine	0.6930	0.6857	1.1	
4-Bromophenyl-phenylether	0.2290	0.2219	3.1	
Hexachlorobenzene	0.2520	0.2388	5.3	
Pentachlorophenol	0.1400	0.1531	9.3	**
Phenanthrene	1.1960	1.1644	2.6	
Anthracene	1.1460	1.2002	4.7	
Di-n-butyl phthalate	1.5200	1.4930	1.8	
Fluoranthene	1.2840	1.2873	0.3	
Pyrene	1.4300	1.4400	0.7	
Benzylbutyl phthalate	0.7100	0.7121	0.3	
Benzo(a)anthracene	1.2490	1.2171	2.6	
Chrysene	1.1770	1.1499	2.3	
Bis(2-ethylhexyl)phthalate	1.0370	1.0253	1.1	
Di-n-octyl phthalate	1.7500	1.7494	0.0	
Benzo(b)fluoranthene	1.2220	1.1771	3.7	
Benzo(k)fluoranthene	1.1590	1.1663	0.6	
Benzo(a)pyrene	1.1600	1.1467	1.1	
Indeno(1,2,3-cd)pyrene	1.2530	1.3175	5.1	
Dibenz(a,h)anthracene	0.9850	1.0550	7.1	
Benzo(g,h,i)perylene	1.0450	1.1149	6.7	

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS11

Method Name : S811K05K.M Date : 11/9/2011
FileName : 1109_02.D Time : 11:29 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D		
n-Nitrosodimethylamine	0.8770	0.8233	6.1		
Bis(2-chloroethyl)ether	1.4130	1.3756	2.6		
Phenol	1.7710	1.8471	4.3		
2-Chlorophenol	1.4010	1.3969	0.3		
1,4-Dichlorobenzene	1.5680	1.6040	2.3		
Bis(2-chloroisopropyl)ether	0.4660	0.4685	0.5		
Hexachloroethane	0.6470	0.6509	0.6		
n-Nitrosodi-n-propylamine	1.0750	1.1252	4.7	>0.05	
Nitrobenzene	0.4000	0.4170	4.2		
Isophorone	0.7180	0.7575	5.5		
2-Nitrophenol	0.1770	0.1973	11		
2,4-Dimethylphenol	0.3350	0.3839	15		
Bis(2-chlorethoxy)methane	0.4280	0.4395	2.7		
2,4-Dichlorophenol	0.2850	0.2998	5.2		
1,2,4-Trichlorobenzene	0.3250	0.3374	3.8		
Naphthalene	1.0790	1.1197	3.8		
Hexachloro-1,3-butadiene	0.1910	0.1917	0.4		
4-Chloro-3-methylphenol	0.3170	0.3432	8.3		
Hexachlorocyclopentadiene	0.2900	0.3086	6.4	>0.05	
2,4,6-Trichlorophenol	0.3660	0.3866	5.6		
2-Chloronaphthalene	1.1720	1.2032	2.7		
Acenaphthylene	1.8260	1.8934	3.7		
Dimethyl phthalate	1.3720	1.3742	0.2		
2,6-Dinitrotoluene	0.3020	0.3185	5.5		
Acenaphthene	1.1800	1.2429	5.3		
2,4-Dinitrophenol	0.1170	0.1013	13	>0.05	**
2,4-Dinitrotoluene	0.3880	0.4129	6.4		
4-Nitrophenol	0.2340	0.2360	0.9	>0.05	
Fluorene	1.3570	1.3865	2.2		
4-Chlorophenyl-phenylether	0.6190	0.6234	0.7		
Diethyl phthalate	1.4000	1.4729	5.2		

*** - calibrated by linear regression*

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test: Semi-Volatiles by Method 8270C
Project No: 02107144
Project: Bannister Complex, KCMO EPA ID: TN00003
Collection Date: 11/1/2011
Instrument ID: BNAMS11

Method Name : S811K05K.M Date : 11/9/2011
FileName : 1109_02.D Time : 11:29 AM

Continuing Calibration Verification

Compound Name	Average RRF	CCC RRF	%D	
4,6-Dinitro-2-methylphenol	0.1180	0.1060	10	
n-Nitrosodiphenylamine	0.6930	0.7483	8.0	
4-Bromophenyl-phenylether	0.2290	0.2341	2.2	
Hexachlorobenzene	0.2520	0.2471	2.0	
Pentachlorophenol	0.1400	0.1589	14	**
Phenanthrene	1.1960	1.1869	0.8	
Anthracene	1.1460	1.2064	5.3	
Di-n-butyl phthalate	1.5200	1.5683	3.2	
Fluoranthene	1.2840	1.3150	2.4	
Pyrene	1.4300	1.4330	0.2	
Benzylbutyl phthalate	0.7100	0.7639	7.6	
Benzo(a)anthracene	1.2490	1.2458	0.3	
Chrysene	1.1770	1.1431	2.9	
Bis(2-ethylhexyl)phthalate	1.0370	1.1032	6.4	
Di-n-octyl phthalate	1.7500	1.9207	9.8	
Benzo(b)fluoranthene	1.2220	1.1666	4.5	
Benzo(k)fluoranthene	1.1590	1.1164	3.7	
Benzo(a)pyrene	1.1600	1.1112	4.2	
Indeno(1,2,3-cd)pyrene	1.2530	1.2948	3.3	
Dibenz(a,h)anthracene	0.9850	1.0385	5.4	
Benzo(g,h,i)perylene	1.0450	1.1200	7.2	

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Internal Standard Response and Retention Time Summary

FileID:1107_03.D Date:11/7/2011 Time:8:22 AM

	IS1		IS2		IS3	
	Response	RT	Response	RT	Response	RT
12 Hour Std	186203	5.24	705660	5.99	384606	7.01
Upper Limit	372406	5.74	1411320	6.49	769212	7.51
Lower Limit	93101.5	4.74	352830	5.49	192303	6.51
Sample ID	Response	RT	Response	RT	Response	RT
Blank WG564071	214461	5.24	830374	5.99	460919	7.01
LCS WG564071	204784	5.24	757843	5.98	419723	7.01
LCSD WG564071	180450	5.24	695090	5.99	375164	7.01

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Internal Standard Response and Retention Time Summary

FileID:1107_03.D Date:11/7/2011 Time:8:22 AM

	IS4		IS5		IS6	
	Response	RT	Response	RT	Response	RT
12 Hour Std	641201	7.89	419558	9.91	463164	12.11
Upper Limit	1282402	8.39	839116	10.41	926328	12.61
Lower Limit	320600.5	7.39	209779	9.41	231582	11.61
Sample ID	Response	RT	Response	RT	Response	RT
Blank WG564071	688961	7.89	479908	9.91	483797	12.11
LCS WG564071	661973	7.89	456470	9.91	510003	12.11
LCSD WG564071	606253	7.89	409006	9.91	436794	12.11

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Internal Standard Response and Retention Time Summary

FileID:1107_17.D Date:11/7/2011 Time:1:40 PM

	IS1		IS2		IS3	
	Response	RT	Response	RT	Response	RT
12 Hour Std	185692	5.24	700649	5.99	383176	7.02
Upper Limit	371384	5.74	1401298	6.49	766352	7.52
Lower Limit	92846	4.74	350324.5	5.49	191588	6.52
Sample ID	Response	RT	Response	RT	Response	RT
L544884-01	184838	5.24	714982	5.99	393611	7.01
L544884-08	185638	5.24	709629	5.99	387307	7.01
MS WG564071	180672	5.24	701176	5.99	373054	7.02
MSD WG564071	188358	5.24	686442	5.99	377530	7.02

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564071**
Analysis Date:	11/7/2011	Analyst:	377
Instrument ID:	BNAMS10	Extraction Date:	11/7/2011
Sample Numbers:	L544884-01, -08		

Internal Standard Response and Retention Time Summary

FileID:1107_17.D Date:11/7/2011 Time:1:40 PM

	IS4		IS5		IS6	
	Response	RT	Response	RT	Response	RT
12 Hour Std	610724	7.89	438379	9.91	460587	12.12
Upper Limit	1221448	8.39	876758	10.41	921174	12.62
Lower Limit	305362	7.39	219189.5	9.41	230293.5	11.62
Sample ID	Response	RT	Response	RT	Response	RT
L544884-01	587834	7.89	422064	9.91	505489	12.12
L544884-08	582086	7.89	427723	9.91	503251	12.12
MS WG564071	609018	7.89	463417	9.91	524333	12.12
MSD WG564071	600293	7.89	449282	9.91	504655	12.11

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Internal Standard Response and Retention Time Summary

FileID:1108_05.D Date:11/8/2011 Time:1:28 PM

	IS1		IS2		IS3	
	Response	RT	Response	RT	Response	RT
12 Hour Std	75002	5.35	287176	6.1	158624	7.12
Upper Limit	150004	5.85	574352	6.6	317248	7.62
Lower Limit	37501	4.85	143588	5.6	79312	6.62
Sample ID	Response	RT	Response	RT	Response	RT
Blank WG564274	72408	5.35	289549	6.09	158943	7.12
LCS WG564274	73575	5.35	280372	6.09	160087	7.12
LCSD WG564274	71698	5.35	281124	6.10	157500	7.12

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Internal Standard Response and Retention Time Summary

FileID:1108_05.D Date:11/8/2011 Time:1:28 PM

	IS4		IS5		IS6	
	Response	RT	Response	RT	Response	RT
12 Hour Std	258554	8	235999	10.1	243444	12.33
Upper Limit	517108	8.5	471998	10.6	486888	12.83
Lower Limit	129277	7.5	117999.5	9.6	121722	11.83
Sample ID	Response	RT	Response	RT	Response	RT
Blank WG564274	251308	8.00	224510	10.09	232398	12.34
LCS WG564274	256674	8.00	232279	10.09	237271	12.33
LCSD WG564274	253107	8.00	233343	10.10	242528	12.33

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Internal Standard Response and Retention Time Summary

FileID:1108_18.D Date:11/8/2011 Time:6:15 PM

	IS1		IS2		IS3	
	Response	RT	Response	RT	Response	RT
12 Hour Std	73503	5.35	292264	6.1	157829	7.12
Upper Limit	147006	5.85	584528	6.6	315658	7.62
Lower Limit	36751.5	4.85	146132	5.6	78914.5	6.62
Sample ID	Response	RT	Response	RT	Response	RT
L544884-02	68270	5.35	266940	6.09	143301	7.12
L544884-03	68698	5.35	262283	6.10	151134	7.12
L544884-04	70851	5.35	284035	6.09	155132	7.12
L544884-05	72479	5.35	279019	6.09	152050	7.12

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Fax (615) 758-5859
Tax I.D 62-0814289
Est. 1970

Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564274**
Analysis Date:	11/8/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/6/2011
Sample Numbers:	L544884-02, -03, -04, -05		

Internal Standard Response and Retention Time Summary

FileID:1108_18.D Date:11/8/2011 Time:6:15 PM

	IS4		IS5		IS6	
	Response	RT	Response	RT	Response	RT
12 Hour Std	264402	8	238238	10.1	243574	12.34
Upper Limit	528804	8.5	476476	10.6	487148	12.84
Lower Limit	132201	7.5	119119	9.6	121787	11.84
Sample ID	Response	RT	Response	RT	Response	RT
L544884-02	225239	8.00	201646	10.09	206932	12.34
L544884-03	228819	8.00	208972	10.10	213893	12.34
L544884-04	244011	8.00	220079	10.10	228412	12.34
L544884-05	237982	8.00	218431	10.10	223155	12.33

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Internal Standard Response and Retention Time Summary

FileID:1109_02.D Date:11/9/2011 Time:11:29 AM

	IS1		IS2		IS3	
	Response	RT	Response	RT	Response	RT
12 Hour Std	72397	5.35	277706	6.1	154264	7.12
Upper Limit	144794	5.85	555412	6.6	308528	7.62
Lower Limit	36198.5	4.85	138853	5.6	77132	6.62
Sample ID	Response	RT	Response	RT	Response	RT
Blank WG564565	65091	5.35	253657	6.10	137189	7.12
L544884-06	55561	5.35	222397	6.09	123503	7.12
L544884-07	59223	5.35	234190	6.10	127409	7.12
LCS WG564565	68065	5.35	258309	6.10	144519	7.13
LCSD WG564565	65884	5.35	254800	6.10	148045	7.12

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Quality Control Summary
SDG: L544884
Terracon - Lenexa, KS

Test:	Semi-Volatiles by Method 8270C		
Project No:	02107144	Matrix:	Water - mg/L
Project:	Bannister Complex, KCMO	EPA ID:	TN00003
Collection Date:	11/1/2011	**Analytic Batch:**	**WG564565**
Analysis Date:	11/9/2011	Analyst:	377
Instrument ID:	BNAMS11	Extraction Date:	11/8/2011
Sample Numbers:	L544884-06, -07		

Internal Standard Response and Retention Time Summary

FileID:1109_02.D Date:11/9/2011 Time:11:29 AM

	IS4		IS5		IS6	
	Response	RT	Response	RT	Response	RT
12 Hour Std	244531	8	225822	10.1	230243	12.34
Upper Limit	489062	8.5	451644	10.6	460486	12.84
Lower Limit	122265.5	7.5	112911	9.6	115121.5	11.84
Sample ID	Response	RT	Response	RT	Response	RT
Blank WG564565	220284	8.00	191543	10.10	196076	12.34
L544884-06	191375	8.00	160983	10.09	174354	12.33
L544884-07	203421	8.00	170529	10.10	176619	12.34
LCS WG564565	229743	8.00	201202	10.10	210448	12.34
LCSD WG564565	239941	8.00	207878	10.10	201536	12.34

Raw Data

BNA + TCLP

V5 02/25/11

ESC

BNA WATER EXTRACTION LOG

Environmental Science Corp.

Na_2SO_4 Lot# 11J14819 Exp Date: 4/14/12 DATE 11/7/11

$NaCl_2$ Lot# 11J25313 Exp Date: 4/25/12 ANALYST MH389

LCS/MS Spike Std # 11J25316 Exp Date: 3/24/12 11/7/11 LCS/MS Spike Vol. 1.0ml

Surrogate Std # 11K01660 Exp Date: 1/1/12 Surrogate Vol. 1.0ml

Extraction Method 3510C/D SOP 330702 Analysis Method 8270C/D, 625 SOP 330345

Sample #	Volume Extracted	Solvent Volume Used	Final Volume	Extr. adjusted pH <2	Extr. adjusted pH>11	Comments
Method Blank MH389 / TCLP BLK 564008 / 564884	1000ml / 100ml	300ml	1.0ml	pH<2	pH>11	TCLP Blk - WG564008
LCS	1000ml					
LCSD	↓					
MS/D L544884-1	1000ml					
TCLP MH389 MSD L544414-3	100ml					L544414-3
L544504-1	1000ml					
L544505-1						
L544507-1						
L544522-1						
L544656-1						
L544713-9						
L544884-1						
-2						
-3						
-4						
-5						
-6						
-7						
-8						
L544989-1						
-2	↓					
TCLP L544414-3	100ml					K
TCLP L544414-5						K
TCLP L544573-29						
TCLP L544746-1	↓	↓	↓	↓	↓	

Remarks/Observations: (cont. on back) WG564071 + WG564072 Reviewed by: MC 11/07/11

ESC

BNA WATER EXTRACTION LOG

V5 02/25/11

Environmental Science Corp.

a_2SO_4 Lot# 115 14819 Exp Date: 4.14.12 CJS TB 11.8.11 DATE 11/8/11

eCl_2 Lot# 111 14552 Exp Date: 3.19.12 ANALYST CJS TB

CS/MS Spike Std # 11K08144 Exp Date: 4.5.12 LCS/MS Spike Vol. 1.0mL

urrogate Std # 11K01660 Exp Date: 1.1.12 Surrogate Vol. 1.0mL

xtraction Method 3510C/D SOP 330702 Analysis Method 8270C/D, 625 SOP 330345

Sample #	Volume Extracted	Solvent Volume Used	Final Volume	Extr. adjusted pH <2	Extr. adjusted pH>11	Comments
ethod Blank / TCB	1000mL / 100mL	300mL	1.0mL	<2	>11	
CS	1000mL					
CSD						
S L544968-01	100mL					
SD						
L544884-02	1000mL					
-03						
-04						
-05						
L545089-01						
-02						
-03						
L545360-01						
-02						
L545386-01						
L545425-01						
L544368-04	100mL					
L544968-01						
L545039-01						
L545174-03						
L545195-01						
-03						
L545198-01						
-03						
-05						

arks/Observations: (cont. on back) WC 564274 + 275 Reviewed by: 11/8/11

V5 02/25/11

BNA WATER EXTRACTION LOG

Environmental Science Corp.

$_2SO_4$ Lot# 11J14819 Exp Date: 4/14/12 DATE 11/8/11

eCl_2 Lot# 11J25313 Exp Date: 4/25/12 ANALYST MGS22

CS/MS Spike Std # 11K08944 Exp Date: 4/5/12 LCS/MS Spike Vol. 1.0mL

urrogate Std # 11K01660 Exp Date: 1/1/12 Surrogate Vol. 1.0mL

xtraction Method 3510C/D SOP 330702 Analysis Method 8270C/D, 625 SOP 330345

Sample #	Volume Extracted	Solvent Volume Used	Final Volume	Extr. adjusted pH <2	Extr. adjusted pH>11	Comments
TBLKWG563809 ethod Blank	100/1000 mL	300mL	1.0mL	pH<2	pH>11	
CS	1000mL					
CSD	↓					
SL545174-01	100mL					
SD ↓	1000mL					
L544884-06						
-07						
L545369-01						
L545394-01						
-02						Heavy emulsion
L545434-01						
L545467-01						
L545495-01	↓					↓
L545546-03	500mL					
L545549-01	1000mL					
-02						
L545595-11						
L545628-01						
-02						
L545639-01						
-02						
-03						
-04						
L545649-01						
L545174-01	↓	↓	↓	↓	↓	

arks/Observations: (cont. on back) WG564565 / WG564567 Reviewed by: 11/08/11

Injection Log

Directory: C:\MSDCHEM\1\DATA\110711

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	1107_00.d	1.	INSTBLK SVMS	INSTBLK	7 Nov 2011 07:19
2	1	1107_01.d	1.	TUNE SVMS 50 ppm 11I28103	DFTPP TUNE 11I28103	7 Nov 2011 07:40
3	1	1107_02.d	1.	TUNE SVMS 50 ppm 11I28103	8270 Calibration	7 Nov 2011 08:01
4	2	1107_03.d	1.	ICV SVMS 10000 ppb 11G20058	8270 Calibration	7 Nov 2011 08:22
5	3	1107_04.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	7 Nov 2011 08:44
6	4	1107_05.d	0.001	LCS 1x WG564072 1000-1	water sur11K01660...	7 Nov 2011 09:28
7	5	1107_06.d	0.001	LCSD 1x WG564072 1000-1	water sur11K01660...	7 Nov 2011 09:50
8	6	1107_07.d	0.001	BLANK 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 10:10
9	7	1107_08.d	0.01	BLANK 1x WG564072 100-1	water sur11K01660...	7 Nov 2011 10:31
10	8	1107_09.d	0.001	LCS 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 10:52
11	9	1107_10.d	0.001	LCSD 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 11:13
12	10	1107_11.d	0.001	BLANK 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 11:34
13	11	1107_12.d	0.001	L545138-01 1x WG564180 1000...	water sur11K01660...	7 Nov 2011 11:55
14	12	1107_13.d	0.001	L545138-02 1x WG564180 1000...	water sur11K01660...	7 Nov 2011 12:16
15	13	1107_14.d	0.001	L545138-03 1x WG564180 1000...	water sur11K01660...	7 Nov 2011 12:37
16	14	1107_15.d	0.001	L545138-04 1x WG564180 1000...	water sur11K01660...	7 Nov 2011 12:58
17	1	1107_16.d	1.	TUNE SVMS 50 ppm 11I28103	DFTPP TUNE 11I28103	7 Nov 2011 13:19
18	2	1107_17.d	1.	ICV SVMS 10000 ppb 11G20058	8270 Calibration	7 Nov 2011 13:40
19	3	1107_18.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	7 Nov 2011 14:01
20	10	1107_19.d	0.001	nu BLANK 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 14:22
21	15	1107_20.d	0.001	L544989-01 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 14:44
22	16	1107_21.d	0.001	L544989-02 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 15:05
23	17	1107_22.d	0.001	L544522-01 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 15:25
24	18	1107_23.d	0.001	L544507-01 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 15:46
25	19	1107_24.d	0.001	L544884-01 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 16:07
26	20	1107_25.d	0.001	ms 1x WG564071 L544884-01 1...	water sur11K01660...	7 Nov 2011 16:29
27	21	1107_26.d	0.001	msd 1x WG564071 L544884-01 ...	water sur11K01660...	7 Nov 2011 16:50
28	22	1107_27.d	0.001	dnr L544884-02 1x WG564071 ...	water sur11K01660...	7 Nov 2011 17:11
29	23	1107_28.d	0.001	dnr L544884-03 1x WG564071 ...	water sur11K01660...	7 Nov 2011 17:32
30	24	1107_29.d	0.001	dnr L544884-04 1x WG564071 ...	water sur11K01660...	7 Nov 2011 17:53
31	25	1107_30.d	0.001	dnr L544884-05 1x WG564071 ...	water sur11K01660...	7 Nov 2011 18:14
32	26	1107_31.d	0.001	dnr L544884-06 1x WG564071 ...	water sur11K01660...	7 Nov 2011 18:35
33	27	1107_32.d	0.001	dnr L544884-07 1x WG564071 ...	water sur11K01660...	7 Nov 2011 18:56
34	28	1107_33.d	0.001	L544884-08 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 19:18
35	29	1107_34.d	0.001	L544839-10 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 19:39
36	30	1107_35.d	0.001	L544839-11 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 20:00
37	31	1107_36.d	0.001	L545052-01 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 20:21
38	32	1107_37.d	0.001	L545062-01 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 20:42
39	33	1107_38.d	0.001	L545062-02 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 21:04
40	34	1107_39.d	0.001	L545062-03 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 21:25
41	35	1107_40.d	0.001	L545062-04 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 21:46
42	36	1107_41.d	0.001	L545066-01 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 22:07
43	37	1107_42.d	0.001	L545066-02 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 22:28
44	38	1107_43.d	0.001	L545066-03 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 22:49
45	39	1107_44.d	0.001	L545093-06 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 23:11
46	40	1107_45.d	0.001	L545156-01 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 23:32
47	41	1107_46.d	0.001	L545156-02 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 23:53
48	42	1107_47.d	0.001	L545250-01 1x WG564180 1000-1	water sur11K01660...	8 Nov 2011 00:14
49	43	1107_48.d	0.01	L545069-01 10x WG564180 1000-1	water sur11K01660...	8 Nov 2011 00:35
50	44	1107_49.d	0.01	L545193-01 10x WG564180 1000-1	water sur11K01660...	8 Nov 2011 00:56
51	45	1107_50.d	0.02	L545069-02 20x WG564180 1000-1	water sur11K01660...	8 Nov 2011 01:18
52	46	1107_51.d	0.001	L544713-09 1x WG564071 1000-1	water sur11K01660...	8 Nov 2011 01:39
53	47	1107_52.d	0.001	L544656-01 1x WG564071 1000-1	water sur11K01660...	8 Nov 2011 02:00
54	48	1107_53.d	0.001	L544644-01 1x WG564085 1000-1	water sur11K01660...	8 Nov 2011 02:21
55	49	1107_54.d	0.001	L544505-01 1x WG564071 1000-1	water sur11K01660...	8 Nov 2011 02:42

Injection Log

Directory: C:\MSDCHEM\1\DATA\110711

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
56	50	1107_55.d	0.004	L544741-02 4x WG564085 1000-1	water sur11K01660...	8 Nov 2011 03:04
57	51	1107_56.d	0.02	dnr L544504-01 20x WG564071...	water sur11K01660...	8 Nov 2011 03:25
58	52	1107_57.d	0.02	L544745-01 20x WG564085 1000-1	water sur11K01660...	8 Nov 2011 03:46
59	53	1107_58.d	0.02	L544758-01 20x WG564085 1000-1	water sur11K01660...	8 Nov 2011 04:07
60	54	1107_59.d	0.02	L544768-02 20x WG564085 1000-1	water sur11K01660...	8 Nov 2011 04:29
61	55	1107_60.d	0.2	L545055-01 200x WG564085 10...	water sur11K01660...	8 Nov 2011 04:50

Injection Log

Directory: C:\MSDCHEM\1\DATA\110711

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	1107_00.d	1.	INSTBLK SVMS	INSTBLK	7 Nov 2011 07:19
2	1	1107_01.d	1.	TUNE SVMS 50 ppm 11I28103	DFTPP TUNE 11I28103	7 Nov 2011 07:40
3	1	1107_02.d	1.	TUNE SVMS 50 ppm 11I28103	8270 Calibration	7 Nov 2011 08:01
4	2	1107_03.d	1.	ICV SVMS 10000 ppb 11G20058	8270 Calibration	7 Nov 2011 08:22
5	3	1107_04.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	7 Nov 2011 08:44
6	4	1107_05.d	0.001	LCS 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 09:28
7	5	1107_06.d	0.001	LCSD 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 09:50
8	6	1107_07.d	0.001	BLANK 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 10:10
9	7	1107_08.d	0.01	BLANK 1x WG564072 100-1	water sur11K01660...	7 Nov 2011 10:31
10	8	1107_09.d	0.001	LCS 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 10:52
11	9	1107_10.d	0.001	LCSD 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 11:13
12	10	1107_11.d	0.001	BLANK 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 11:34
13	11	1107_12.d	0.001	L545138-01 1x WG564180 1000...	water sur11K01660...	7 Nov 2011 11:55
14	12	1107_13.d	0.001	L545138-02 1x WG564180 1000...	water sur11K01660...	7 Nov 2011 12:16
15	13	1107_14.d	0.001	L545138-03 1x WG564180 1000...	water sur11K01660...	7 Nov 2011 12:37
16	14	1107_15.d	0.001	L545138-04 1x WG564180 1000...	water sur11K01660...	7 Nov 2011 12:58
17	1	1107_16.d	1.	TUNE SVMS 50 ppm 11I28103	DFTPP TUNE 11I28103	7 Nov 2011 13:19
18	2	1107_17.d	1.	ICV SVMS 10000 ppb 11G20058	8270 Calibration	7 Nov 2011 13:40
19	3	1107_18.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	7 Nov 2011 14:01
20	10	1107_19.d	0.001	nu BLANK 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 14:22
21	15	1107_20.d	0.001	L544989-01 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 14:44
22	16	1107_21.d	0.001	L544989-02 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 15:05
23	17	1107_22.d	0.001	L544522-01 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 15:25
24	18	1107_23.d	0.001	L544507-01 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 15:46
25	19	1107_24.d	0.001	L544884-01 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 16:07
26	20	1107_25.d	0.001	ms 1x WG564071 L544884-01 1...	water sur11K01660...	7 Nov 2011 16:29
27	21	1107_26.d	0.001	msd 1x WG564071 L544884-01 ...	water sur11K01660...	7 Nov 2011 16:50
28	22	1107_27.d	0.001	dnr L544884-02 1x WG564071 ...	water sur11K01660...	7 Nov 2011 17:11
29	23	1107_28.d	0.001	dnr L544884-03 1x WG564071 ...	water sur11K01660...	7 Nov 2011 17:32
30	24	1107_29.d	0.001	dnr L544884-04 1x WG564071 ...	water sur11K01660...	7 Nov 2011 17:53
31	25	1107_30.d	0.001	dnr L544884-05 1x WG564071 ...	water sur11K01660...	7 Nov 2011 18:14
32	26	1107_31.d	0.001	dnr L544884-06 1x WG564071 ...	water sur11K01660...	7 Nov 2011 18:35
33	27	1107_32.d	0.001	dnr L544884-07 1x WG564071 ...	water sur11K01660...	7 Nov 2011 18:56
34	28	1107_33.d	0.001	L544884-08 1x WG564071 1000-1	water sur11K01660...	7 Nov 2011 19:18
35	29	1107_34.d	0.001	L544839-10 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 19:39
36	30	1107_35.d	0.001	L544839-11 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 20:00
37	31	1107_36.d	0.001	L545052-01 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 20:21
38	32	1107_37.d	0.001	L545062-01 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 20:42
39	33	1107_38.d	0.001	L545062-02 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 21:04
40	34	1107_39.d	0.001	L545062-03 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 21:25
41	35	1107_40.d	0.001	L545062-04 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 21:46
42	36	1107_41.d	0.001	L545066-01 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 22:07
43	37	1107_42.d	0.001	L545066-02 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 22:28
44	38	1107_43.d	0.001	L545066-03 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 22:49
45	39	1107_44.d	0.001	L545093-06 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 23:11
46	40	1107_45.d	0.001	L545156-01 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 23:32
47	41	1107_46.d	0.001	L545156-02 1x WG564180 1000-1	water sur11K01660...	7 Nov 2011 23:53
48	42	1107_47.d	0.001	L545250-01 1x WG564180 1000-1	water sur11K01660...	8 Nov 2011 00:14
49	43	1107_48.d	0.01	L545069-01 10x WG564180 1000-1	water sur11K01660...	8 Nov 2011 00:35
50	44	1107_49.d	0.01	L545193-01 10x WG564180 1000-1	water sur11K01660...	8 Nov 2011 00:56
51	45	1107_50.d	0.02	L545069-02 20x WG564180 1000-1	water sur11K01660...	8 Nov 2011 01:18
52	46	1107_51.d	0.001	L544713-09 1x WG564071 1000-1	water sur11K01660...	8 Nov 2011 01:39
53	47	1107_52.d	0.001	L544656-01 1x WG564071 1000-1	water sur11K01660...	8 Nov 2011 02:00
54	48	1107_53.d	0.001	L544644-01 1x WG564085 1000-1	water sur11K01660...	8 Nov 2011 02:21
55	49	1107_54.d	0.001	L544505-01 1x WG564071 1000-1	water sur11K01660...	8 Nov 2011 02:42

Injection Log

Directory: C:\MSDCHEM\1\DATA\110711

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
56	50	1107_55.d	0.004	L544741-02 4x WG564085 1000-1	water sur11K01660...	8 Nov 2011 03:04
57	51	1107_56.d	0.02	dnr L544504-01 20x WG564071...	water sur11K01660...	8 Nov 2011 03:25
58	52	1107_57.d	0.02	L544745-01 20x WG564085 1000-1	water sur11K01660...	8 Nov 2011 03:46
59	53	1107_58.d	0.02	L544758-01 20x WG564085 1000-1	water sur11K01660...	8 Nov 2011 04:07
60	54	1107_59.d	0.02	L544768-02 20x WG564085 1000-1	water sur11K01660...	8 Nov 2011 04:29
61	55	1107_60.d	0.2	L545055-01 200x WG564085 10...	water sur11K01660...	8 Nov 2011 04:50

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_01.D Vial: 1
Acq On : 7 Nov 2011 7:40 am Operator: 377
Sample : TUNE SVMS 50 ppm 11I28103 Inst : BNAMS10
Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:41 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00 ppb	-5.24
22) Naphthalene-d8	5.99	136	398	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	946	8000.00 ppb	0.00
64) Phenanthrene-d10	7.97	188	2874	8000.00 ppb	0.08
78) Chrysene-d12	9.91	240	945	8000.00 ppb	0.00
88) Perylene-d12	12.10	264	742	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb		
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#			
7) Phenol-d5	0.00	99	0	0.0000000 ppb		
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#			
23) Nitrobenzene-d5	5.58	82	71	4065.7662559 ppb		0.02
Spiked Amount 10.000	Range 17 - 119		Recovery = 40657.66%#			
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb		
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#			
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb		
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#			
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#			

Target Compounds				Qvalue
2) Pyridine	3.44	79	61	N.D.
3) N-Nitrosodimethylamine	3.47	42	1213	N.D.
5) Aniline	0.00	93	0	N.D.
6) bis(2-Chloroethyl)ether	5.31	93	67	N.D.
8) Phenol	5.02	94	1041	N.D.
9) Benzaldehyde	5.02	105	239	N.D.
10) 2-Chlorophenol	0.00	128	0	N.D.
11) n-Decane	5.12	41	303	N.D.
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) Benzyl Alcohol	5.44	79	57	N.D.
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D.
17) 2-Methylphenol	0.00	108	0	N.D.
18) Hexachloroethane	5.42	117	54	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_01.D Vial: 1
Acq On : 7 Nov 2011 7:40 am Operator: 377
Sample : TUNE SVMS 50 ppm 11I28103 Inst : BNAMS10
Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:41 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.28	70	69	N.D.		
20)	3&4-Methyl phenol	5.45	107	54	N.D.		
21)	Acetophenone	5.47	105	136	N.D.		
24)	Nitrobenzene	5.49	77	63	3872.1788587 ppb	#	30
25)	Isophorone	5.71	82	426	13573.1926098 ppb	#	56
26)	2-Nitrophenol	0.00	139	0	N.D.		
27)	2,4-Dimethylphenol	5.78	107	55	3825.3046624 ppb	#	18
28)	bis(2-Chlorethoxy)methane	5.96	93	87	4386.1707544 ppb	#	28
29)	2,4-Dichlorophenol	0.00	162	0	N.D.		
30)	Benzoic Acid	5.82	105	119	14004.4560714 ppb		83
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
32)	Naphthalene	6.00	128	376	7226.8165310 ppb		70
33)	4-Chloroaniline	0.00	65	0	N.D.		
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.		
35)	Caprolactam	6.22	113	62	11785.8542641 ppb	#	1
36)	4-Chloro-3-methylphenol	6.21	107	63	4501.2189283 ppb	#	11
37)	2-Methylnaphthalene	6.39	142	141	4358.2735514 ppb	#	55
38)	1-Methylnaphthalene	6.46	142	54	1645.8082531 ppb	#	18
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.		
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.		
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.		
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.		
45)	Biphenyl	6.66	154	172	986.0221733 ppb	#	41
46)	2-Chloronaphthalene	0.00	162	0	N.D.		
47)	2-Nitroaniline	0.00	138	0	N.D.		
48)	Acenaphthylene	0.00	152	0	N.D.		
49)	Dimethyl phthalate	0.00	163	0	N.D.		
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.		
51)	3-Nitroaniline	6.97	138	72	3634.5456065 ppb	#	36
52)	Acenaphthene	0.00	153	0	N.D.		
53)	2,4-Dinitrophenol	0.00	184	0	N.D.		
54)	Dibenzofuran	7.19	168	1269	6949.0953137 ppb	#	45
55)	2,4-Dinitrotoluene	7.19	165	62	1414.6979838 ppb	#	1
56)	2,3,4,6-Tetrachlorophenol	7.19	232	5414	204377.7076519 ppb		93
58)	Fluorene	0.00	166	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_01.D Vial: 1
Acq On : 7 Nov 2011 7:40 am Operator: 377
Sample : TUNE SVMS 50 ppm 11I28103 Inst : BNAMS10
Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:41 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.21	149	1567	10741.4775989 ppb	88
61)	4-Nitroaniline	0.00	138	0	N.D.	
62)	Azobenzene	7.40	77	59	425.7829846 ppb #	1
63)	Atrazine	7.76	200	139661	3297464.2721896 ppb #	2
65)	4,6-Dinitro-2-methylphenol	7.19	198	205	6133.5765897 ppb #	50
66)	N-Nitrosodiphenylamine	7.19	169	468	2099.3809319 ppb #	1
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	7.97	284	1234	14622.6498688 ppb #	58
70)	n-octadecane	7.76	55	5649	118292.0547417 ppb #	18
71)	Pentachlorophenol	7.76	266	760161	15231034.9942986 ppb	
72)	Phenanthrene	7.90	178	73	185.9383589 ppb	69
73)	Anthracene	7.90	178	73	195.2967663 ppb	64
74)	Carbazole	8.16	167	1447	4663.0462603 ppb #	65
75)	Di-n-butyl phthalate	8.16	149	296	628.3969102 ppb #	53
76)	2-nitrodiphenylamine	8.38	167	73	929.1300915 ppb #	17
77)	Fluoranthene	8.46	202	116	293.0739647 ppb #	1
79)	Benzidine	8.68	184	1456963	19684851.7590488 ppb	1
80)	Pyrene	0.00	202	0	N.D.	
82)	Benzylbutyl phthalate	9.26	149	792	8689.4936976 ppb #	34
83)	3,3-Dichlorobenzidine	9.82	252	151	4619.8644743 ppb	86
84)	Benzo(a)anthracene	0.00	228	0	N.D.	
85)	Chrysene	0.00	228	0	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	612	4475.6262260 ppb #	68
87)	Di-n-octyl phthalate	10.66	149	64	300.6865438 ppb	74
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	0.00	252	0	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

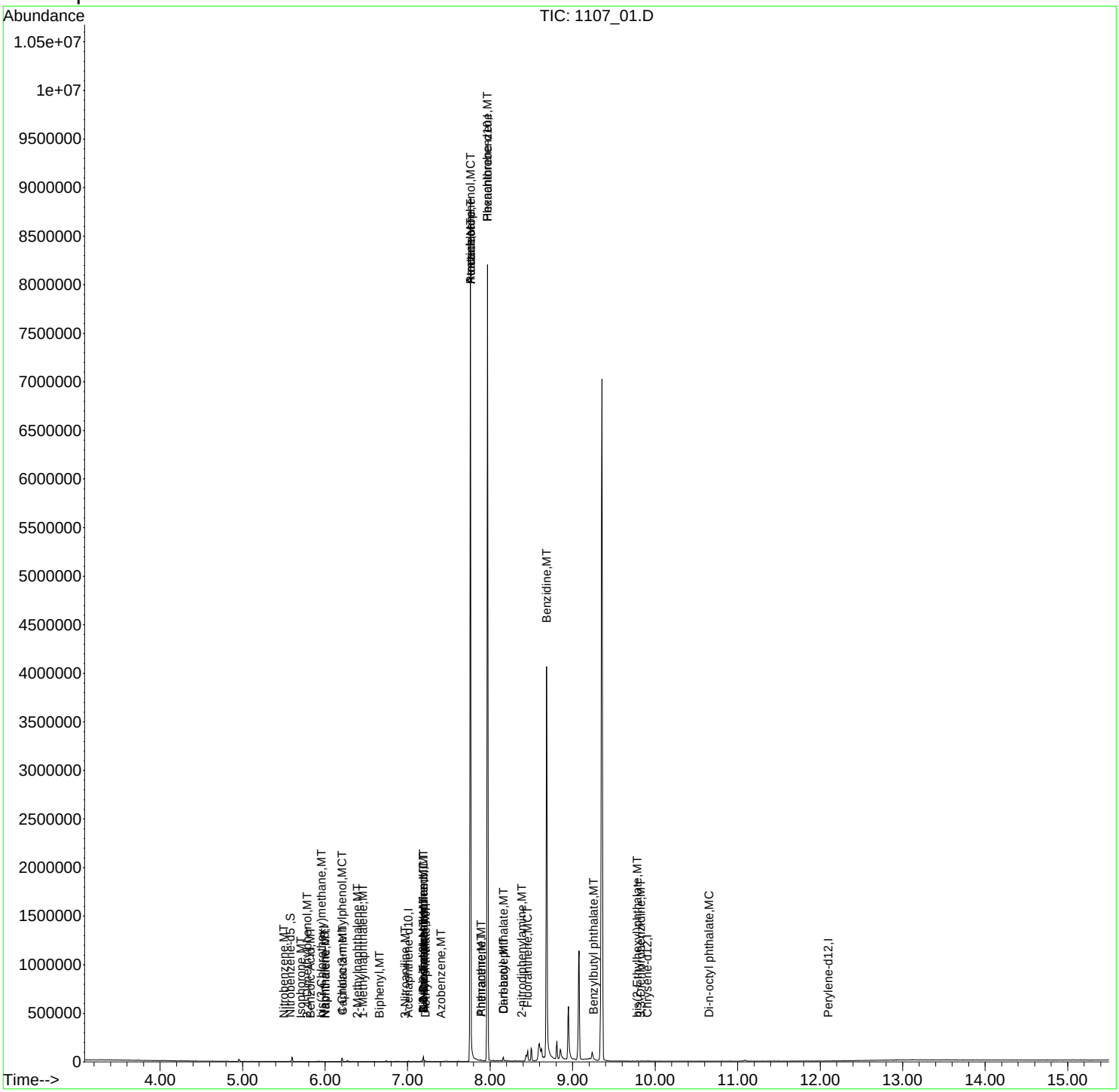
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_01.D Vial: 1
Acq On : 7 Nov 2011 7:40 am Operator: 377
Sample : TUNE SVMS 50 ppm 11I28103 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:41 2011 Quant Results File: S810K04K.RES

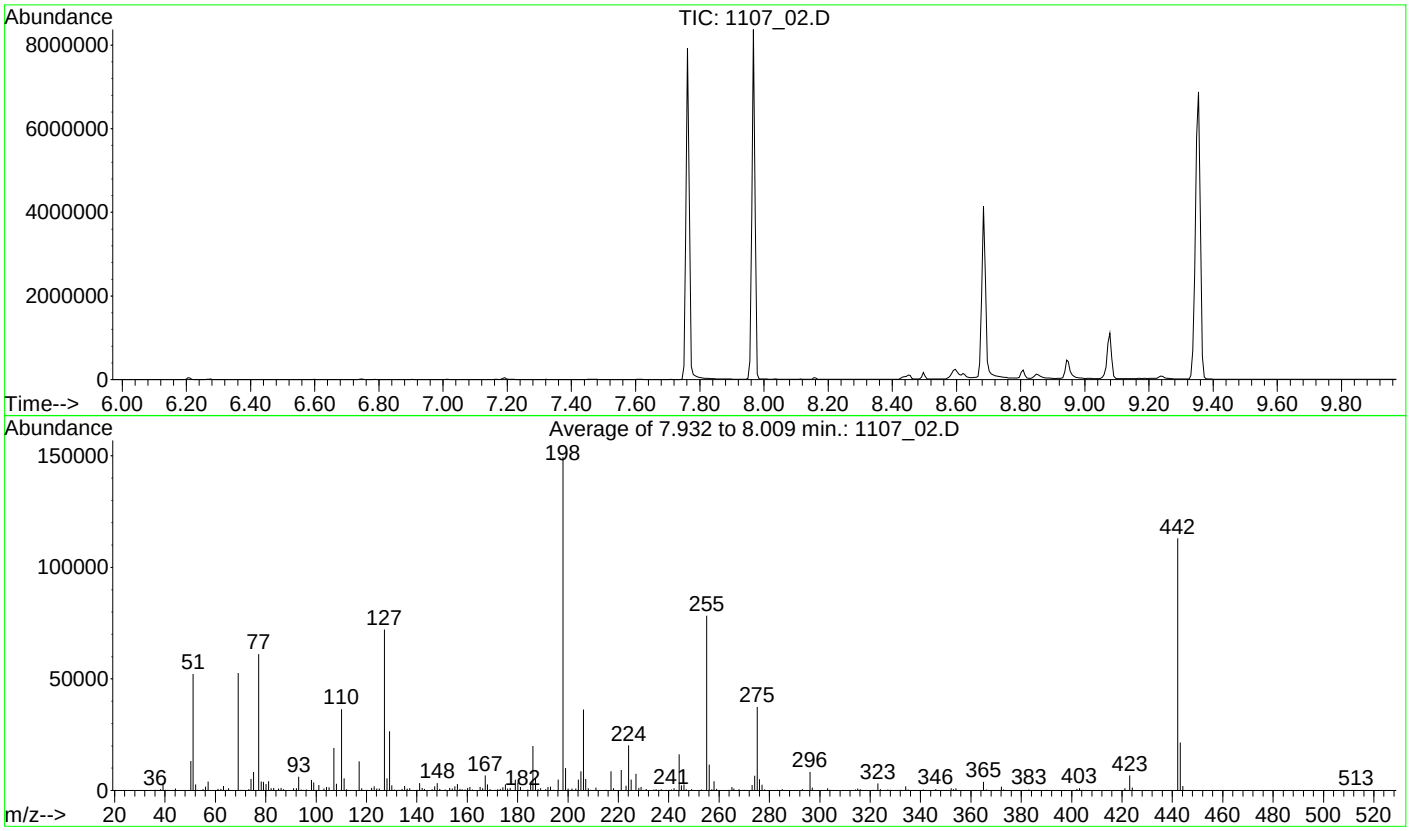
Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



DFTPP

Data File : C:\MSDCHEM\1\DATA\110711\1107_02.D Vial: 1
Acq On : 7 Nov 2011 8:01 am Operator: 377
Sample : TUNE SVMS 50 ppm 11I28103 Inst : BNAMS10

MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA



Spectrum Information: Average of 7.932 to 8.009 min.

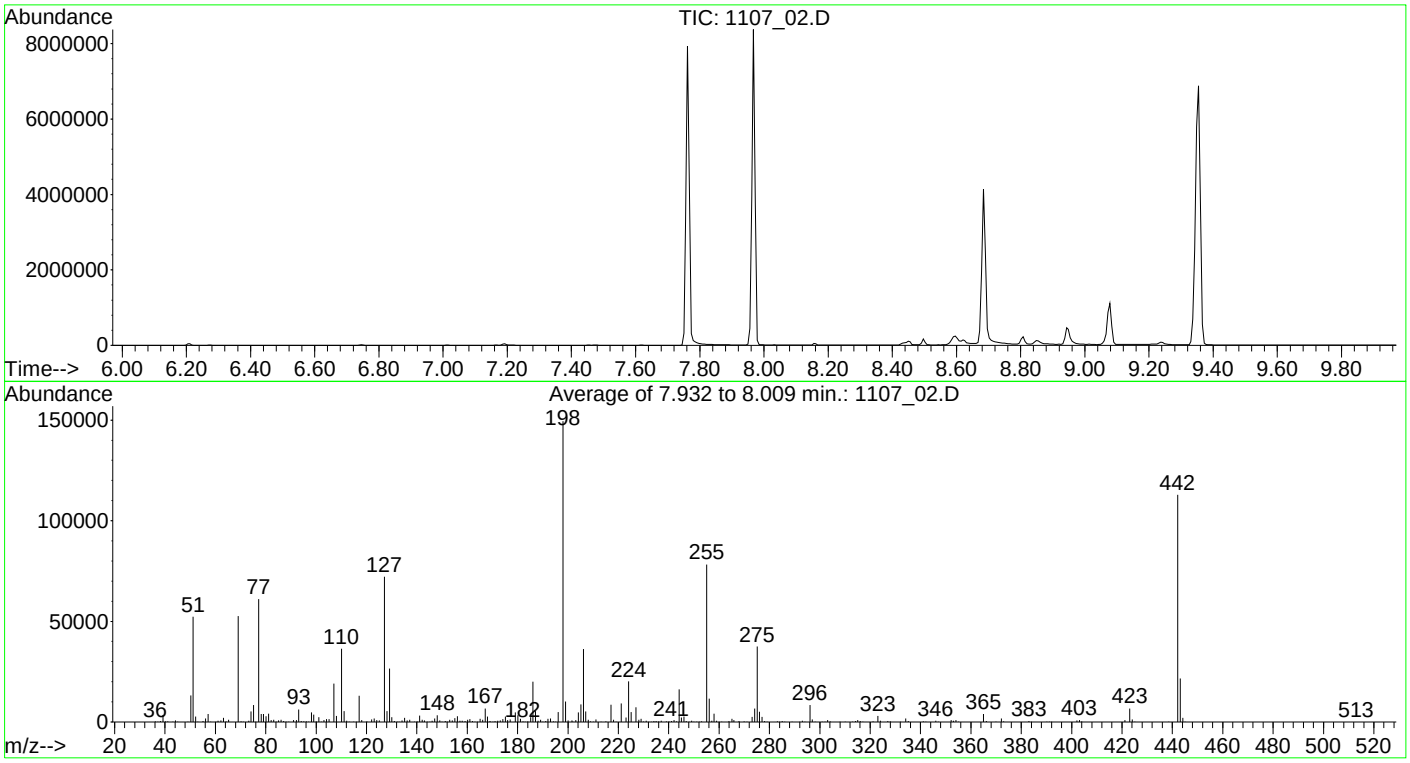
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.0	52260	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.6	312	PASS
127	198	10	80	48.3	72157	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	149455	PASS
199	198	5	9	6.8	10116	PASS
275	198	10	60	25.1	37456	PASS
365	198	1	100	2.6	3949	PASS
441	442	0.01	24	0.0	12	PASS
442	198	50	100	75.6	112975	PASS
443	442	15	24	19.1	21572	PASS

1107_02.D TUNED.M Tue Nov 08 11:41:40 2011

DFTPP

Data File : C:\MSDCHEM\1\DATA\110711\1107_02.D Vial: 1
Acq On : 7 Nov 2011 8:01 am Operator: 377
Sample : TUNE SVMS 50 ppm 11I28103 Inst : BNAMS10

MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNEC.M (RTE Integrator)
Title : 8270 BNA



Spectrum Information: Average of 7.932 to 8.009 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.0	52260	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	35.2	52681	PASS
70	69	0.00	2	0.6	312	PASS
127	198	40	60	48.3	72157	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	149455	PASS
199	198	5	9	6.8	10116	PASS
275	198	10	30	25.1	37456	PASS
365	198	1	100	2.6	3949	PASS
441	443	0.01	100	0.1	12	PASS
442	198	40	100	75.6	112975	PASS
443	442	17	23	19.1	21572	PASS

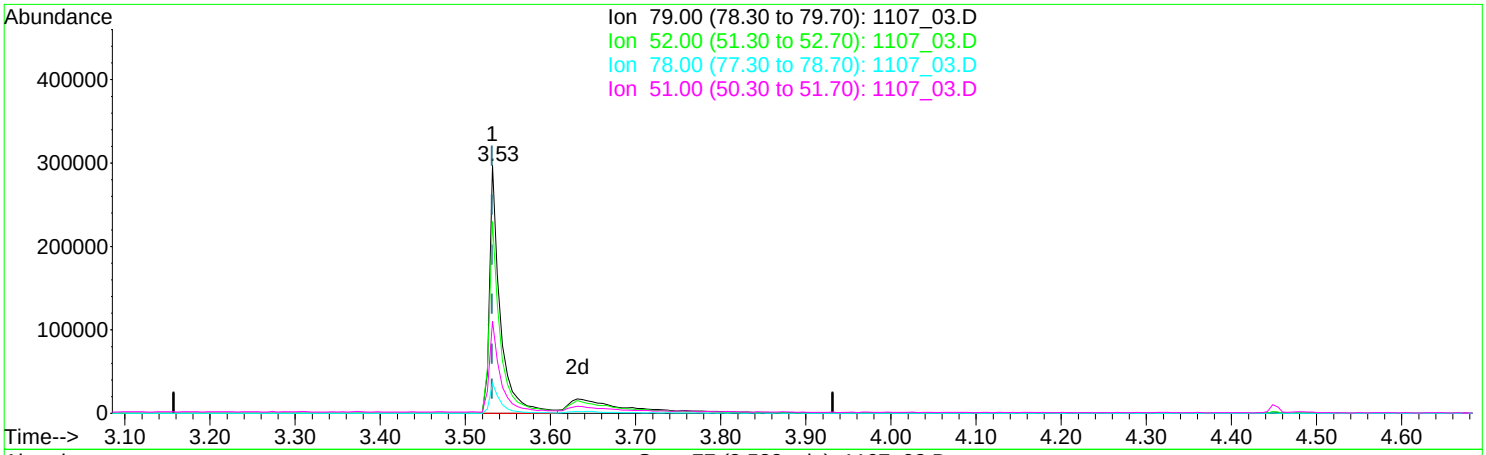
1107_02.D TUNEC.M Tue Nov 08 11:41:46 2011

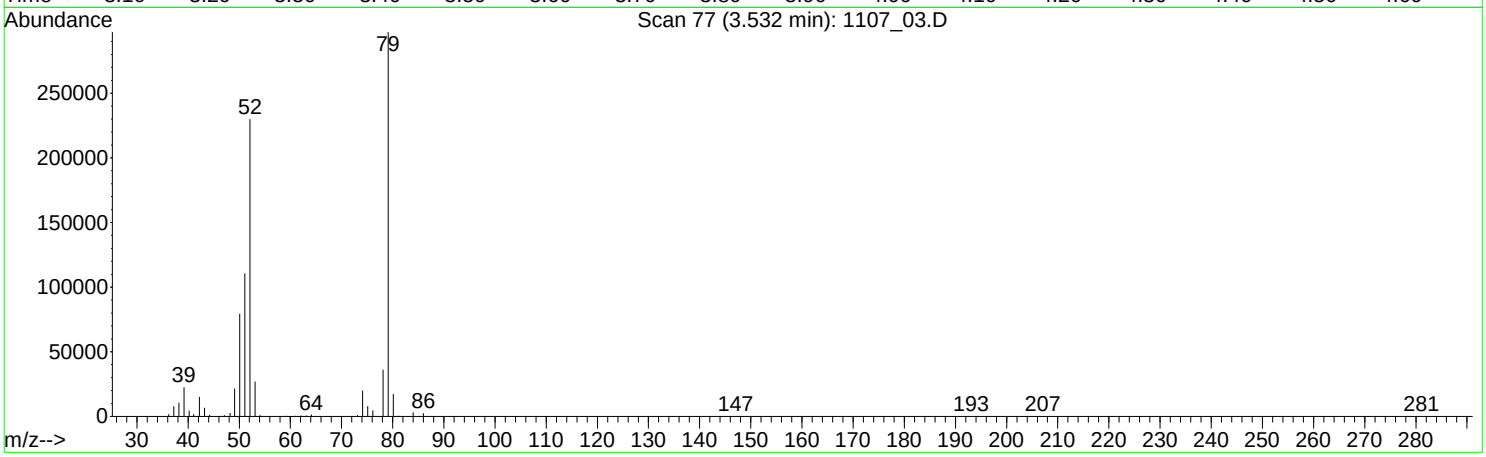
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:26 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_03.D

(2) Pyridine (TM)
3.53min (+0.000) 7950.4400900 ppb
Qvalue = 99
response 259653

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	77.35
78.00	12.10	12.14
51.00	36.90	36.62

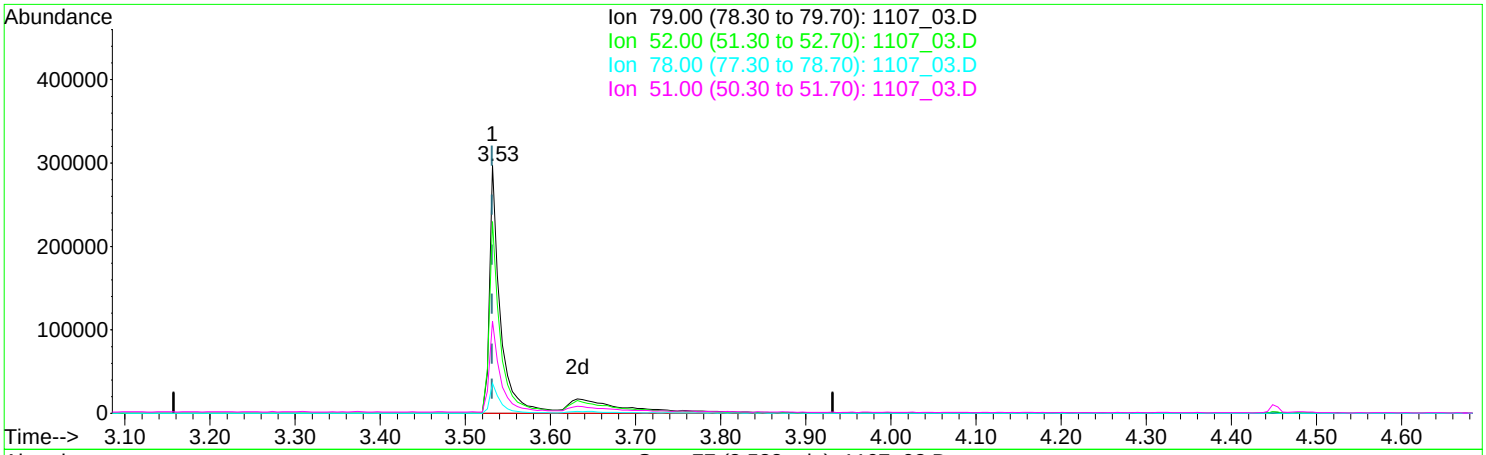
1107_03.D S810K04K.M Tue Nov 08 11:42:55 2011

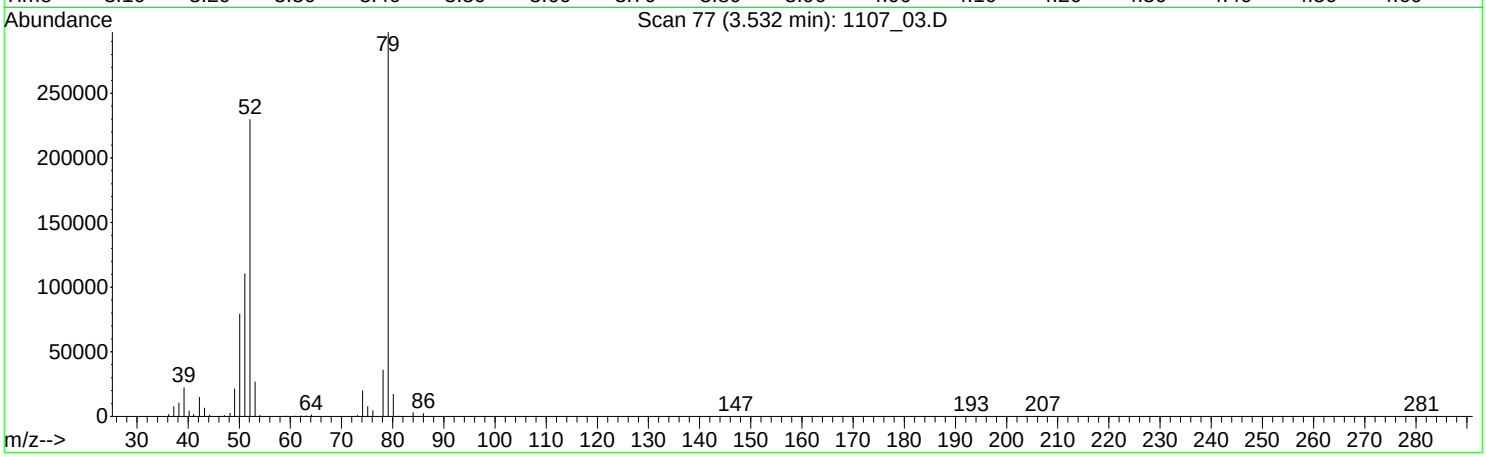
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:42 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_03.D

(2) Pyridine (TM)
3.53min (+0.000) 10609.3133388 ppb m

response 346489

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	77.35
78.00	12.10	12.14
51.00	36.90	37.20

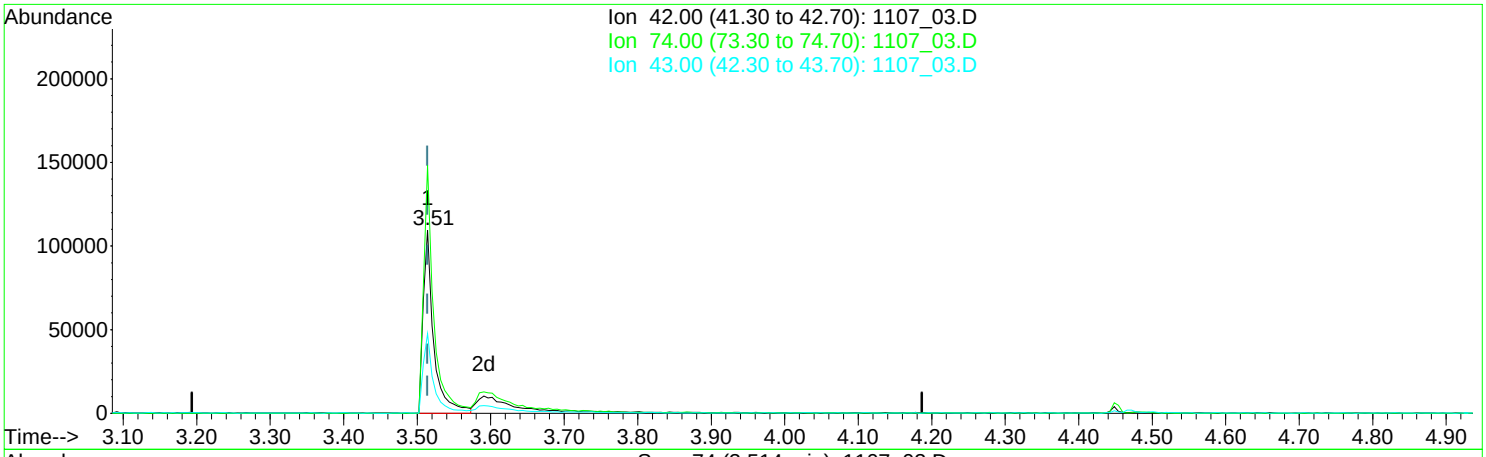
1107_03.D S810K04K.M Tue Nov 08 11:42:59 2011

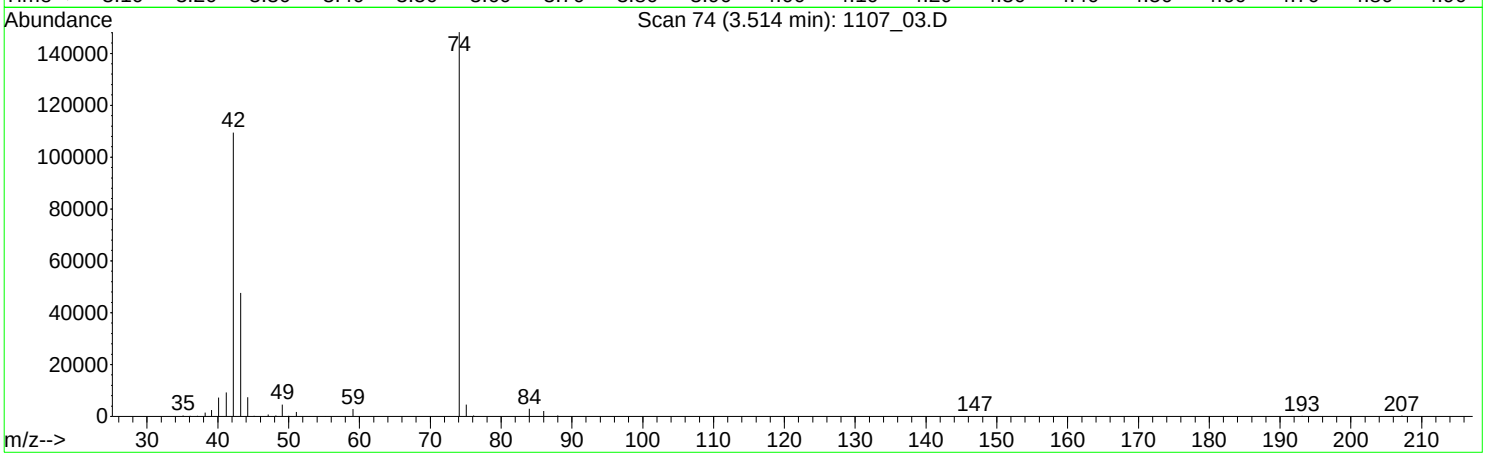
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:42 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_03.D

(3) N-Nitrosodimethylamine (MT)
3.51min (+0.000) 6901.5065171 ppb
Qvalue = 63
response 108268

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	130.74#
43.00	30.30	43.34
0.00	0.00	0.00

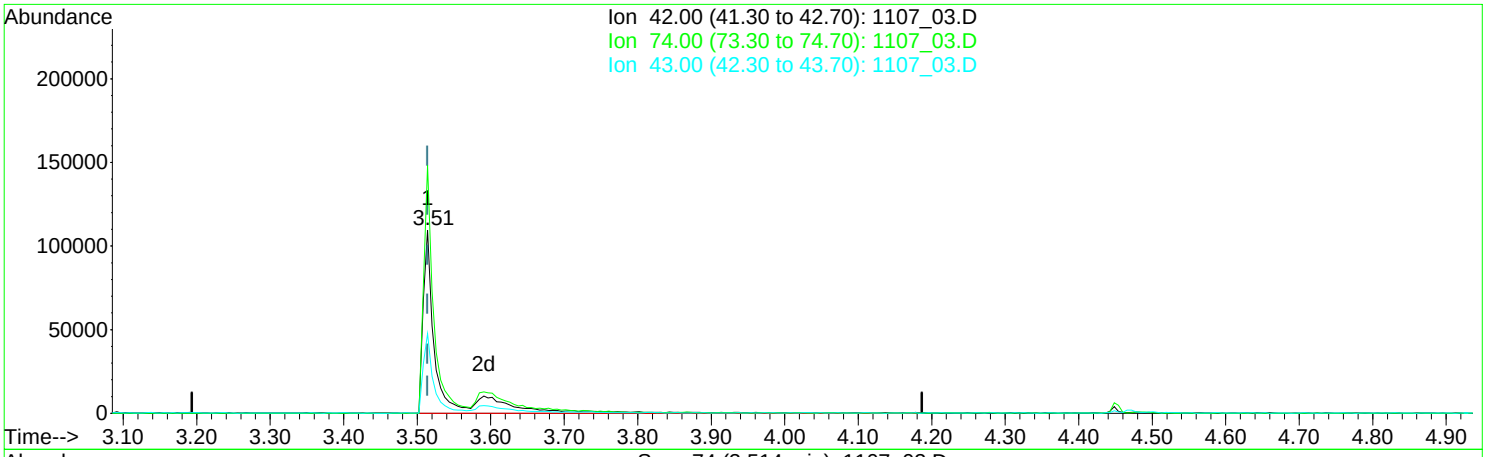
1107_03.D S810K04K.M Tue Nov 08 11:43:01 2011

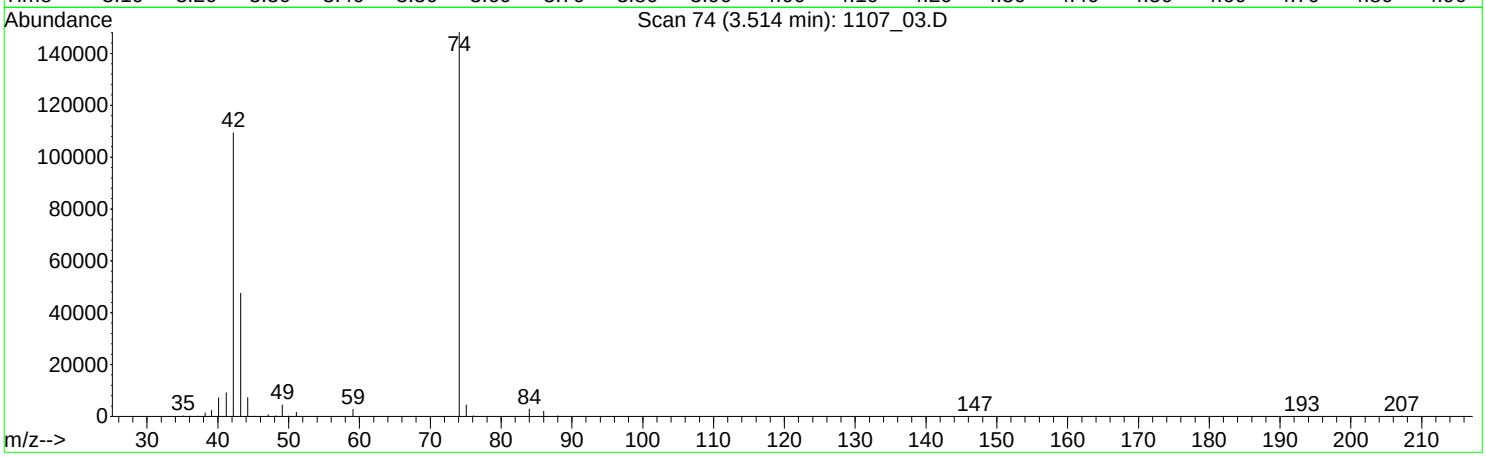
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_03.D

(3) N-Nitrosodimethylamine (MT)
3.51min (+0.000) 10094.2214044 ppb m

response 158354

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	89.39
43.00	30.30	29.63
0.00	0.00	0.00

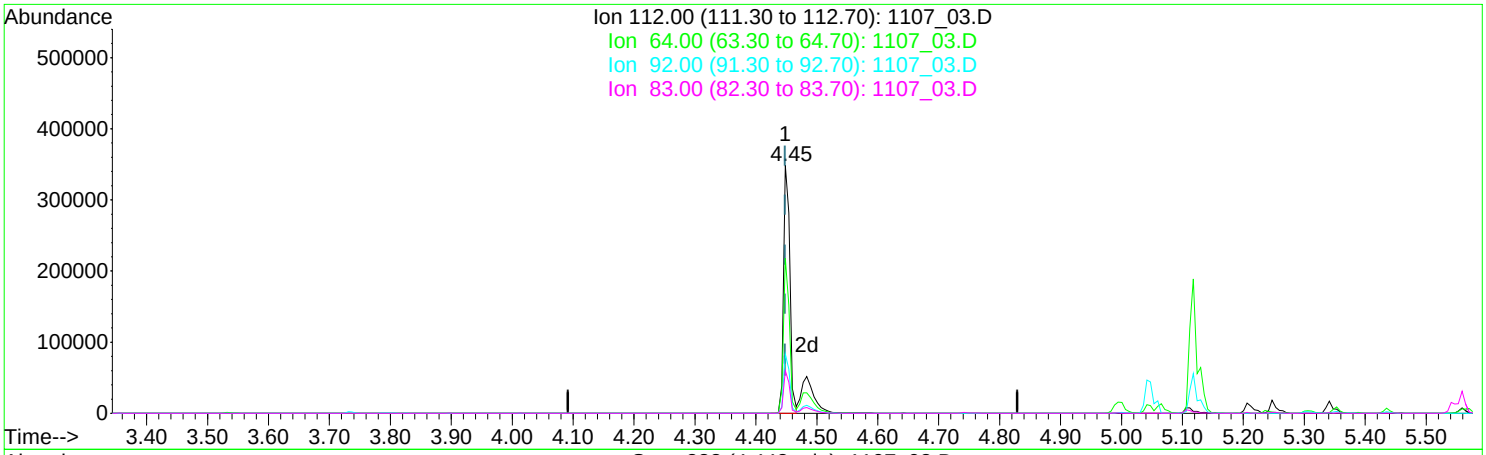
1107_03.D S810K04K.M Tue Nov 08 11:43:05 2011

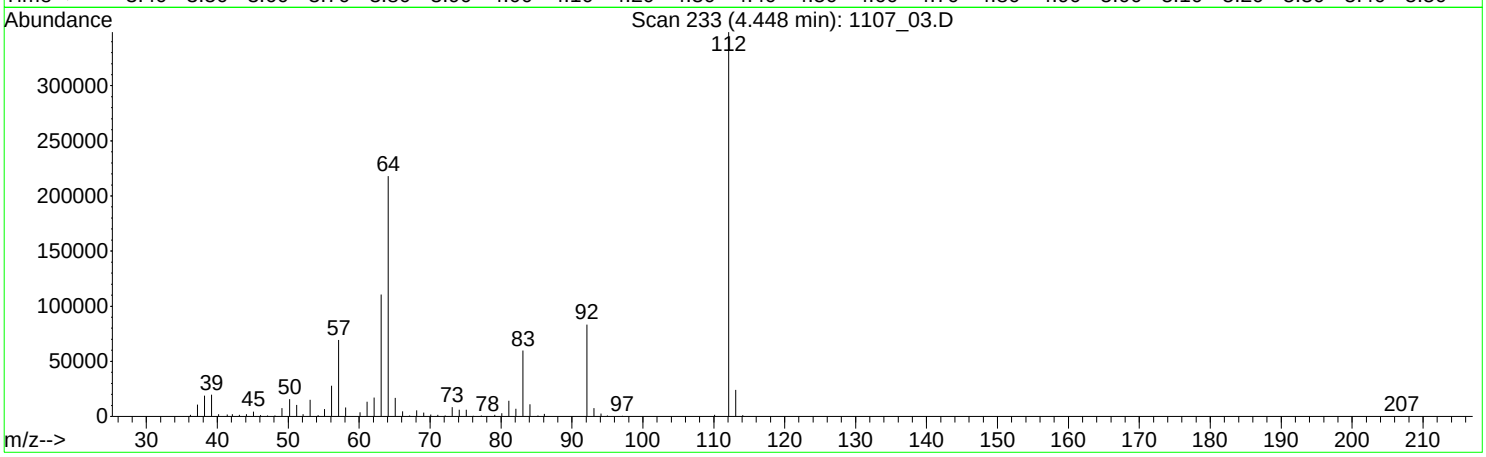
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_03.D

(4) 2-Fluorophenol (S)
4.45min (+0.000) 8092.3951055 ppb
Qvalue = 99
response 251724

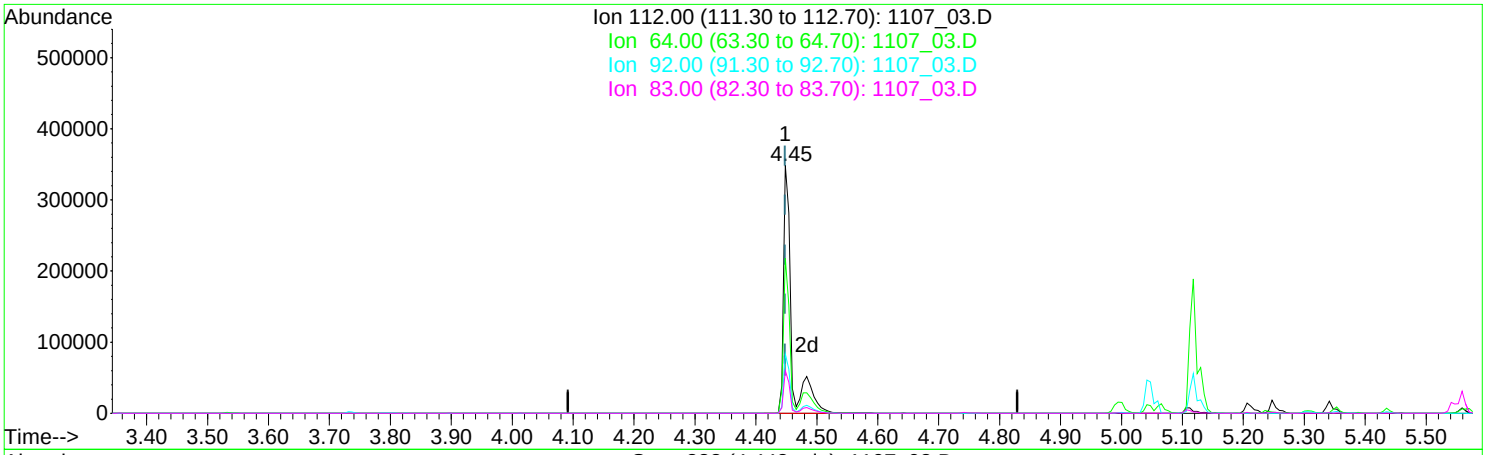
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	62.49
92.00	22.80	23.91
83.00	17.30	17.15

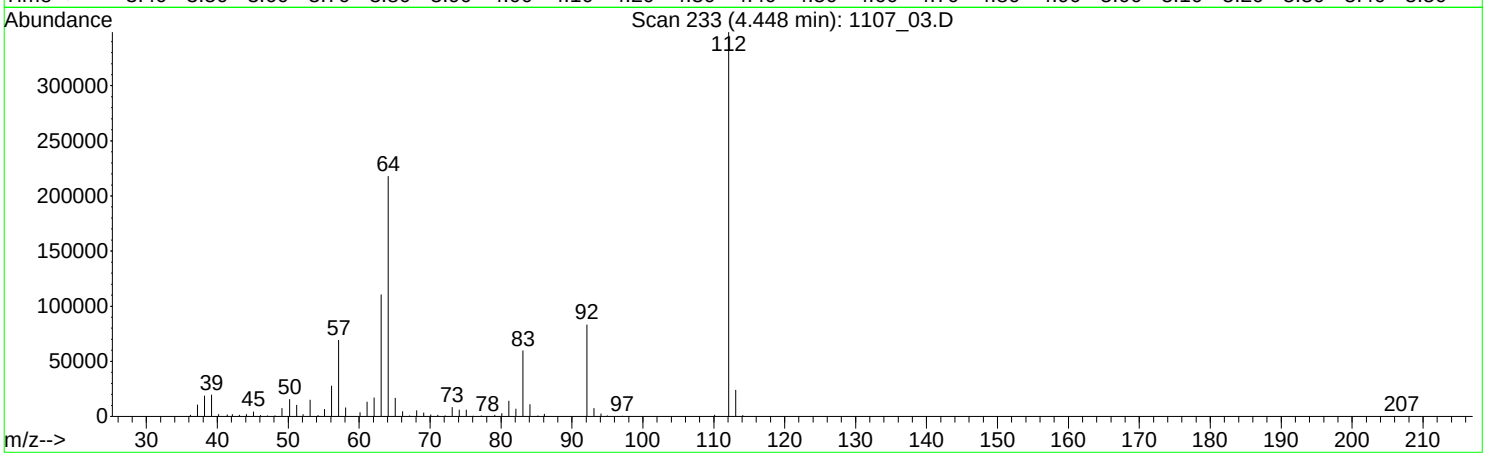
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_03.D

(4) 2-Fluorophenol (S)
4.45min (+0.000) 10481.4011498 ppb m

response 326037

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	62.49
92.00	22.80	23.91
83.00	17.30	17.15

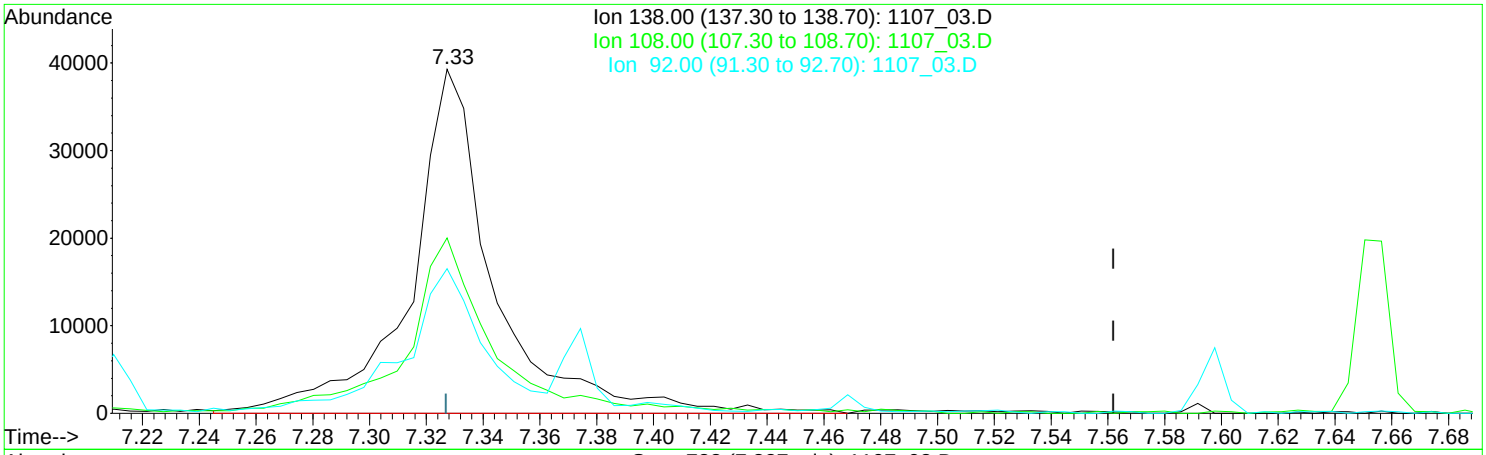
1107_03.D S810K04K.M Tue Nov 08 11:43:11 2011

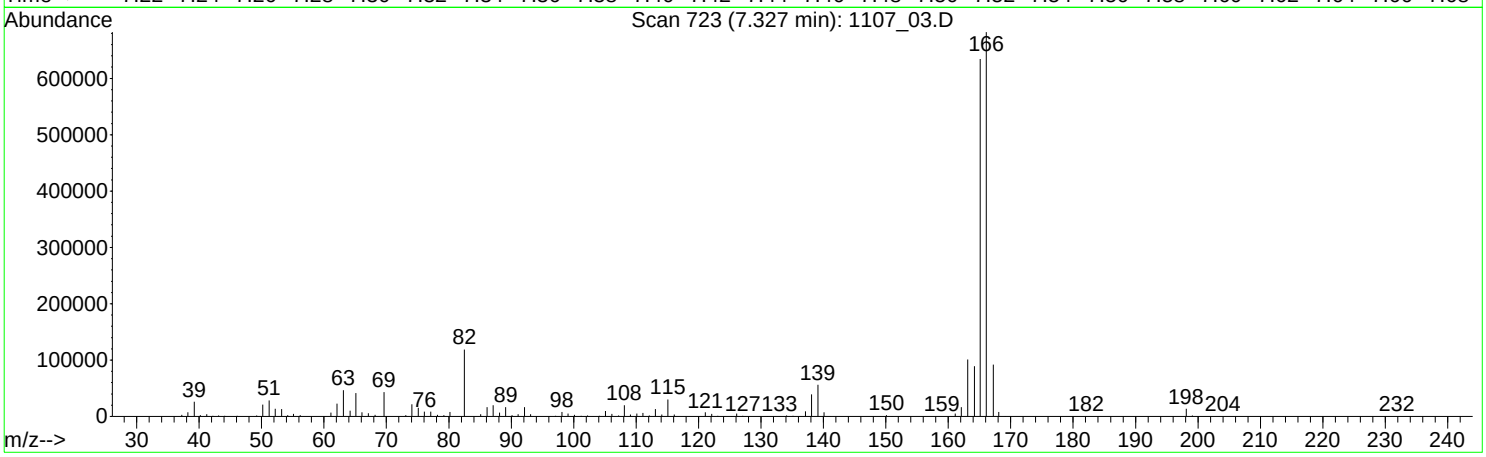
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_03.D

(61) 4-Nitroaniline (MT)
7.33min (+0.000) 11409.4133084 ppb
Qvalue = 97
response 81651

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	54.49
92.00	38.30	40.02
0.00	0.00	0.00

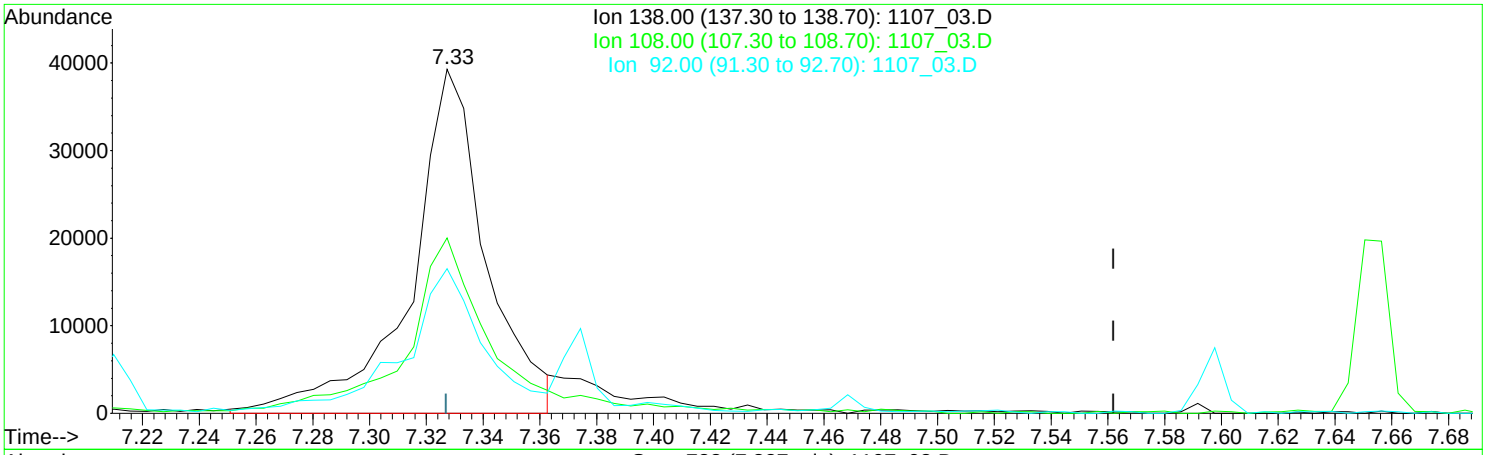
1107_03.D S810K04K.M Tue Nov 08 11:44:13 2011

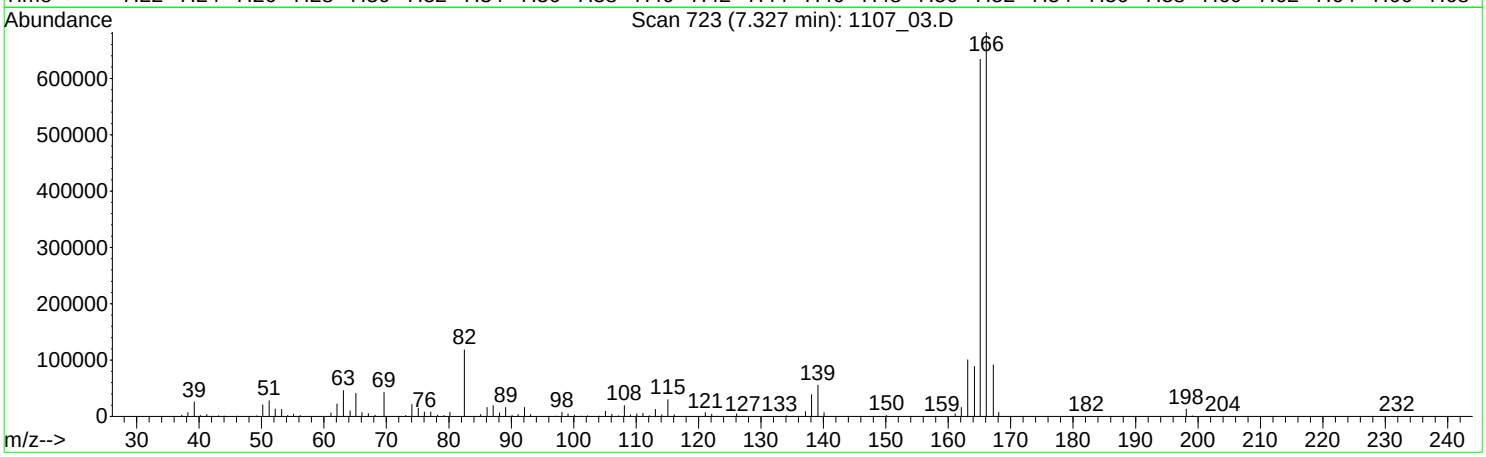
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:44 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_03.D

(61) 4-Nitroaniline (MT)
7.33min (+0.000) 9671.1509953 ppb m

response 72828

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	61.09
92.00	38.30	44.86
0.00	0.00	0.00

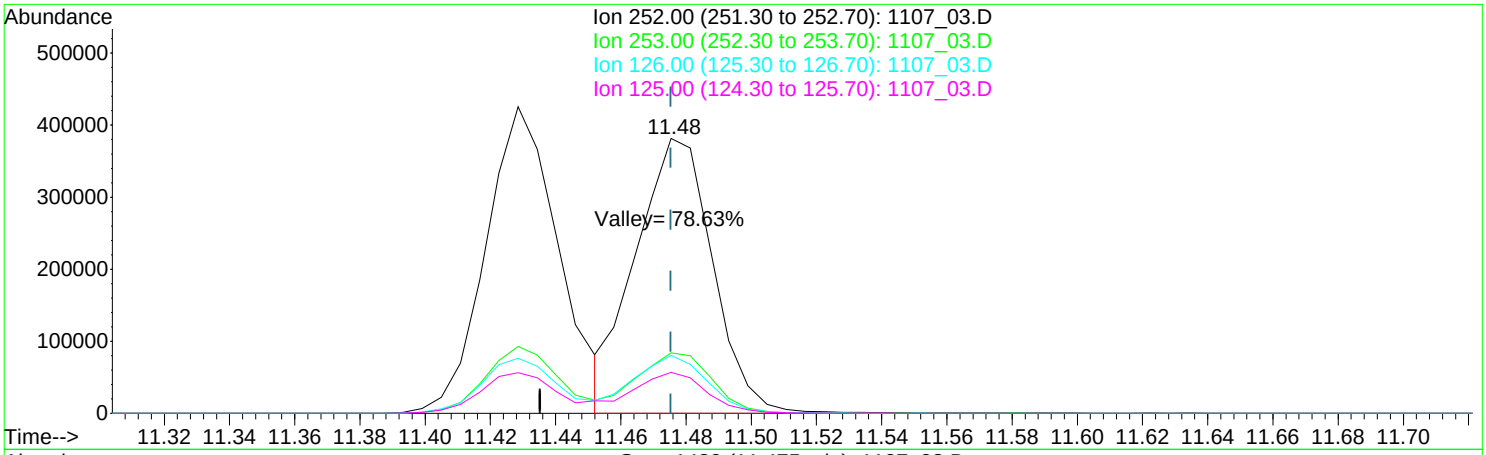
1107_03.D S810K04K.M Tue Nov 08 11:44:21 2011

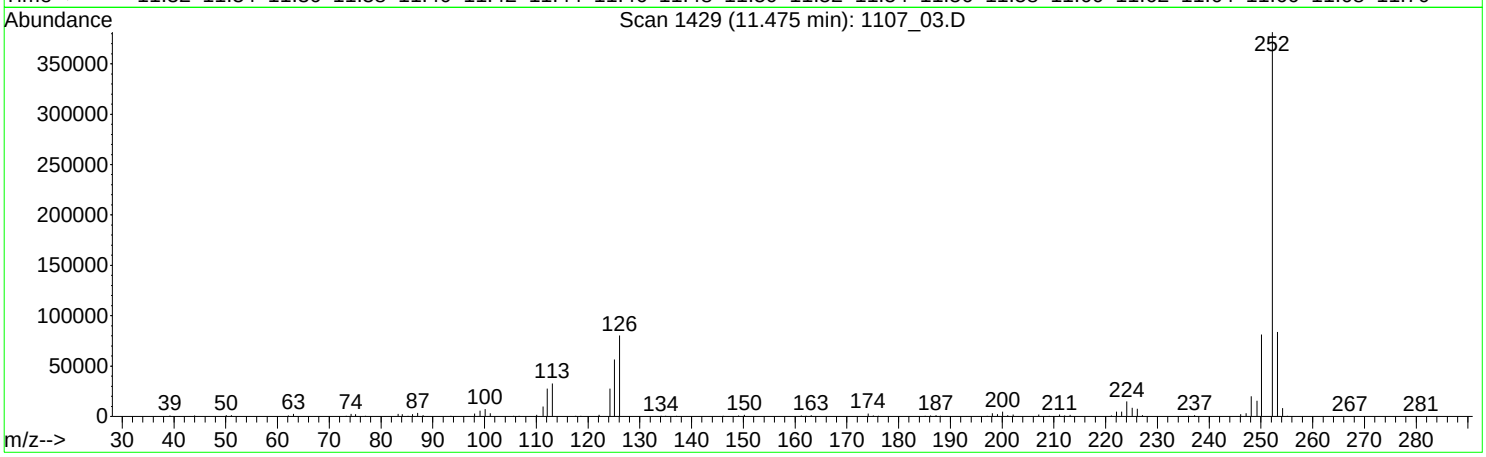
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:44 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_03.D

(90) Benzo(k)fluoranthene (MT)
11.48min (+0.000) 10904.4962807 ppb
Qvalue = 98
response 629424

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	21.97
126.00	22.60	21.06
125.00	15.40	14.86

1107_03.D S810K04K.M Tue Nov 08 11:44:34 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:44 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	186203	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	705660	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	384606	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	641201	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	419558	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	463164	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.45	112	326037m	10481.4011498 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 52407.01%#		
7) Phenol-d5	4.99	99	346873	10695.0732637 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 53475.37%#		
23) Nitrobenzene-d5	5.56	82	335552	10837.5586750 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 108375.59%#		
44) 2-Fluorobiphenyl	6.59	172	691247	11280.8820305 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 112808.82%#		
67) 2,4,6-Tribromophenol	7.47	330	79414	11440.2178527 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 57201.09%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 113700.80%#		

Target Compounds					Qvalue
2) Pyridine	3.53	79	346489m	10609.3133388 ppb	
3) N-Nitrosodimethylamine	3.51	42	158354m	10094.2214044 ppb	
5) Aniline	5.04	93	337562	10143.9179609 ppb	99
6) bis(2-Chloroethyl)ether	5.07	93	421574	11011.8919833 ppb	98
8) Phenol	5.00	94	411988	10395.5549805 ppb	100
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.12	128	348567	10591.3083814 ppb	99
11) n-Decane	5.11	41	170318	10523.7346592 ppb	100
12) 1,3-Dichlorobenzene	5.21	146	391839	10703.4507910 ppb	96
13) 1,4-Dichlorobenzene	5.25	146	387330	10624.6598868 ppb	99
14) Benzyl Alcohol	5.31	79	226455	10125.8397244 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	366817	10625.2218192 ppb	98
16) bis(2-Chloroisopropyl)ethe	5.37	121	116376	10570.7621583 ppb	96
17) 2-Methylphenol	5.35	108	315404	10901.6112863 ppb	99
18) Hexachloroethane	5.54	117	141128	10445.1997469 ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:44 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	217069	10463.7498731	ppb	98
20)	3&4-Methyl phenol	5.44	107	345150	10686.2166044	ppb	100
21)	Acetophenone	0.00	105	0	N.D.	d	
24)	Nitrobenzene	5.57	77	310046	10748.0224398	ppb	99
25)	Isophorone	5.70	82	602451	10826.3413024	ppb	99
26)	2-Nitrophenol	5.75	139	188436	11741.9748148	ppb	99
27)	2,4-Dimethylphenol	5.75	107	308783	12112.7929682	ppb	99
28)	bis(2-Chlorethoxy)methane	5.81	93	380889	10830.5942102	ppb	98
29)	2,4-Dichlorophenol	5.89	162	274561	11075.2300241	ppb	98
30)	Benzoic Acid	0.00	105	0	N.D.	d	
31)	1,2,4-Trichlorobenzene	5.95	180	348368	11191.0670279	ppb	99
32)	Naphthalene	6.00	128	1005770	10902.9854743	ppb	99
33)	4-Chloroaniline	6.01	65	86753	10039.2575578	ppb	96
34)	Hexachloro-1,3-butadiene	6.05	225	171615	11466.5553984	ppb	99
35)	Caprolactam	0.00	113	0	N.D.	d	
36)	4-Chloro-3-methylphenol	6.26	107	279559	11265.5042838	ppb	90
37)	2-Methylnaphthalene	6.39	142	642130	11194.5310476	ppb	100
38)	1-Methylnaphthalene	6.46	142	661113	11364.4584420	ppb	98
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d	
41)	Hexachlorocyclopentadiene	6.48	237	121948	11301.6211942	ppb	98
42)	2,4,6-Trichlorophenol	6.55	196	193466	11428.8399280	ppb	96
43)	2,4,5-Trichlorophenol	6.57	196	205402	11823.0063881	ppb	91
45)	Biphenyl	6.66	154	778857	10982.2428543	ppb	99
46)	2-Chloronaphthalene	6.69	162	617229	11246.8495169	ppb	98
47)	2-Nitroaniline	6.73	138	182897	10849.0853834	ppb	99
48)	Acenaphthylene	6.93	152	944363	11408.7405516	ppb	100
49)	Dimethyl phthalate	6.81	163	663560	10797.4242687	ppb	99
50)	2,6-Dinitrotoluene	6.86	165	157829	11316.9421693	ppb	96
51)	3-Nitroaniline	6.97	138	82297	10218.2544166	ppb	93
52)	Acenaphthene	7.03	153	622109	11411.2009892	ppb	100
53)	2,4-Dinitrophenol	7.02	184	49329	10027.7335870	ppb	92
54)	Dibenzofuran	7.13	168	820232	11047.8669725	ppb	99
55)	2,4-Dinitrotoluene	7.09	165	189649	10643.8239685	ppb	80
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	d	
57)	4-Nitrophenol	7.03	139	101544	10777.0480897	ppb	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:44 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	336653	11365.3085450 ppb	90
60)	Diethyl phthalate	7.21	149	682801	11512.3573103 ppb	99
61)	4-Nitroaniline	7.33	138	72828m	9671.1509953 ppb	
62)	Azobenzene	7.40	77	607845	10789.5720671 ppb	100
63)	Atrazine	0.00	200	0	N.D. d	
65)	4,6-Dinitro-2-methylphenol	7.33	198	74064	9932.5250229 ppb	90
66)	N-Nitrosodiphenylamine	7.37	169	534752	10752.0279724 ppb	99
68)	4-Bromophenyl-phenylether	7.60	248	185408	10644.7465728 ppb	96
69)	Hexachlorobenzene	7.66	284	208912	11096.0110626 ppb	99
70)	n-octadecane	7.73	55	114977	10791.6424156 ppb	97
71)	Pentachlorophenol	7.76	266	115032	10828.3234601 ppb	96
72)	Phenanthrene	7.90	178	919417	10496.6625559 ppb	99
73)	Anthracene	7.93	178	887881	10646.8105829 ppb	100
74)	Carbazole	8.01	167	692573	10003.6692017 ppb	99
75)	Di-n-butyl phthalate	8.16	149	1197373	11393.6890712 ppb	100
76)	2-nitrodiphenylamine	0.00	167	0	N.D. d	
77)	Fluoranthene	8.63	202	960552	10877.5904607 ppb	100
79)	Benzidine	0.00	184	0	N.D. d	
80)	Pyrene	8.80	202	956968	11373.9509714 ppb	100
82)	Benzylbutyl phthalate	9.23	149	477633	11803.2992470 ppb	99
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	9.89	228	654091	10793.0501353 ppb	99
85)	Chrysene	9.94	228	603553	10702.7568989 ppb	99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	690160	11368.2070527 ppb	99
87)	Di-n-octyl phthalate	10.66	149	1048744	11097.9639673 ppb	100
89)	Benzo(b)fluoranthene	11.43	252	656068	10266.0194740 ppb	99
90)	Benzo(k)fluoranthene	11.48	252	629424	10904.4962807 ppb	98
91)	Benzo(a)pyrene	12.02	252	631157	10703.6118954 ppb	98
92)	Indeno(1,2,3-cd)pyrene	13.80	276	822551	11129.0006829 ppb	97
93)	Dibenz(a,h)anthracene	13.83	278	716617	11271.3154928 ppb	96

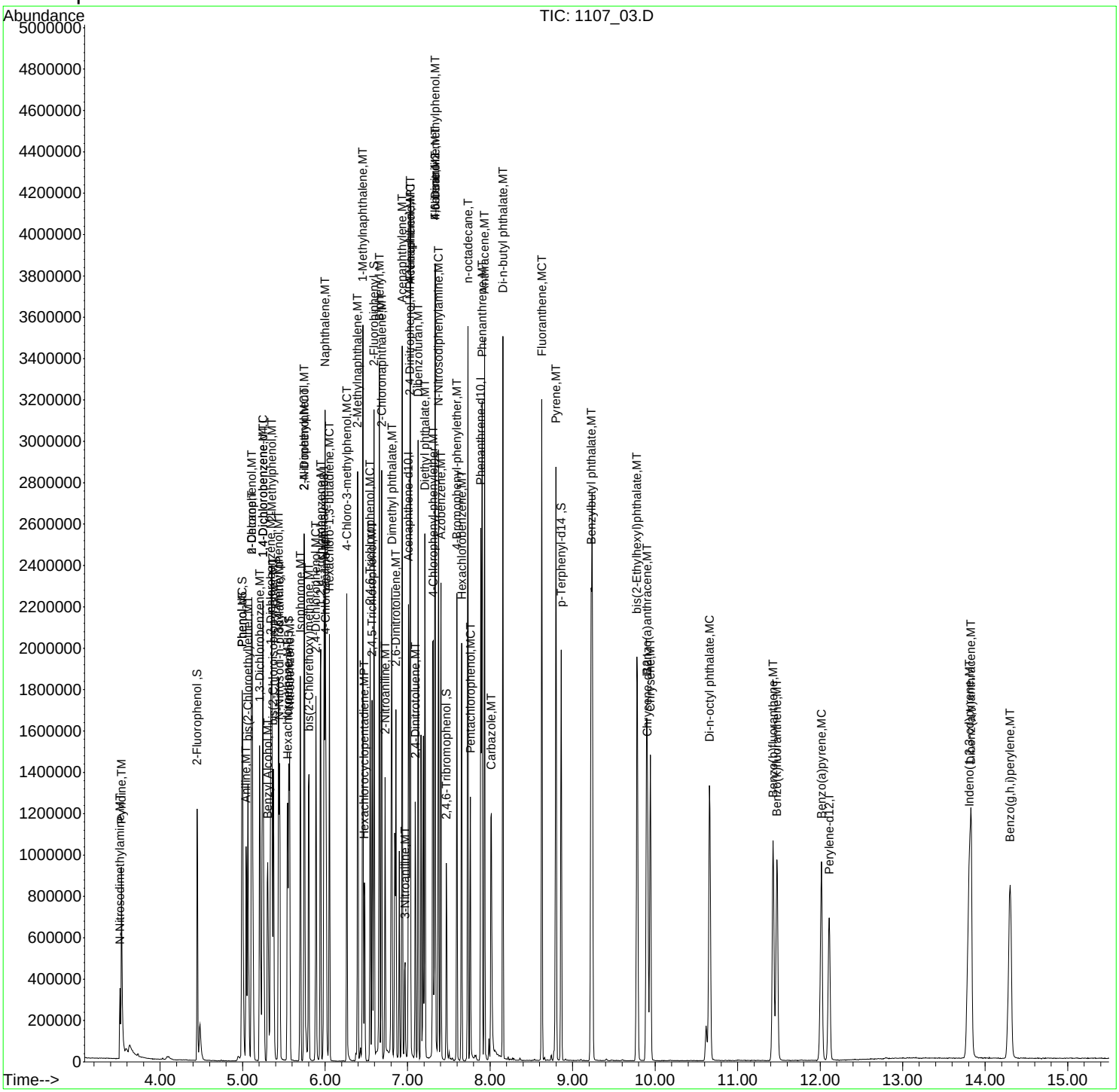
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_03.D Vial: 2
Acq On : 7 Nov 2011 8:22 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:44 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_04.D Vial: 3
Acq On : 7 Nov 2011 8:44 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:46 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	204485	8000.00	ppb	0.00
22) Naphthalene-d8	5.99	136	781851	8000.00	ppb	0.00
40) Acenaphthene-d10	7.01	164	426469	8000.00	ppb	0.00
64) Phenanthrene-d10	7.89	188	654928	8000.00	ppb	0.00
78) Chrysene-d12	9.91	240	446240	8000.00	ppb	0.00
88) Perylene-d12	12.11	264	482023	8000.00	ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000	ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#			
7) Phenol-d5	0.00	99	0d	0.0000000	ppb	
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#			
23) Nitrobenzene-d5	0.00	82	0d	0.0000000	ppb	
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#			
44) 2-Fluorobiphenyl	0.00	172	0d	0.0000000	ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#			
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000	ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#			
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#			

Target Compounds

						Qvalue
2) Pyridine	0.00	79	0	N.D.	d	
3) N-Nitrosodimethylamine	0.00	42	0	N.D.	d	
5) Aniline	0.00	93	0	N.D.		
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.	d	
8) Phenol	0.00	94	0	N.D.	d	
9) Benzaldehyde	4.98	105	278762	10300.0601855	ppb	99
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) n-Decane	0.00	41	0	N.D.	d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	d	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	d	
14) Benzyl Alcohol	0.00	79	0	N.D.	d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	d	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D.	d	
17) 2-Methylphenol	0.00	108	0	N.D.	d	
18) Hexachloroethane	0.00	117	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_04.D Vial: 3
Acq On : 7 Nov 2011 8:44 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:46 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	
20)	3&4-Methyl phenol	0.00	107	0	N.D. d	
21)	Acetophenone	5.46	105	421184	9951.7150220 ppb	100
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.80	105	142533	9224.1550299 ppb	86
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.21	113	105681	10226.4610204 ppb	98
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	296604	10343.3423370 ppb	100
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	0.00	154	0	N.D. d	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D.	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	0.00	138	0	N.D. d	
52)	Acenaphthene	0.00	153	0	N.D. d	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
56)	2,3,4,6-Tetrachlorophenol	7.19	232	120371	10079.5422441 ppb	96
58)	Fluorene	0.00	166	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_04.D Vial: 3
Acq On : 7 Nov 2011 8:44 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:46 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D.	
62)	Azobenzene	0.00	77	0	N.D. d	
63)	Atrazine	7.66	200	194600	10191.8132172 ppb	98
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	0.00	55	0	N.D. d	
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	0.00	178	0	N.D. d	
73)	Anthracene	0.00	178	0	N.D. d	
74)	Carbazole	0.00	167	0	N.D. d	
75)	Di-n-butyl phthalate	0.00	149	0	N.D. d	
76)	2-nitrodiphenylamine	8.29	167	176724	9870.5738934 ppb	97
77)	Fluoranthene	0.00	202	0	N.D. d	
79)	Benzidine	8.68	184	339117	9702.7870277 ppb	100
80)	Pyrene	0.00	202	0	N.D. d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D. d	
83)	3,3-Dichlorobenzidine	9.82	252	154227	9992.5426518 ppb	98
85)	Chrysene	0.00	228	0	N.D. d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D. d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	0.00	252	0	N.D. d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

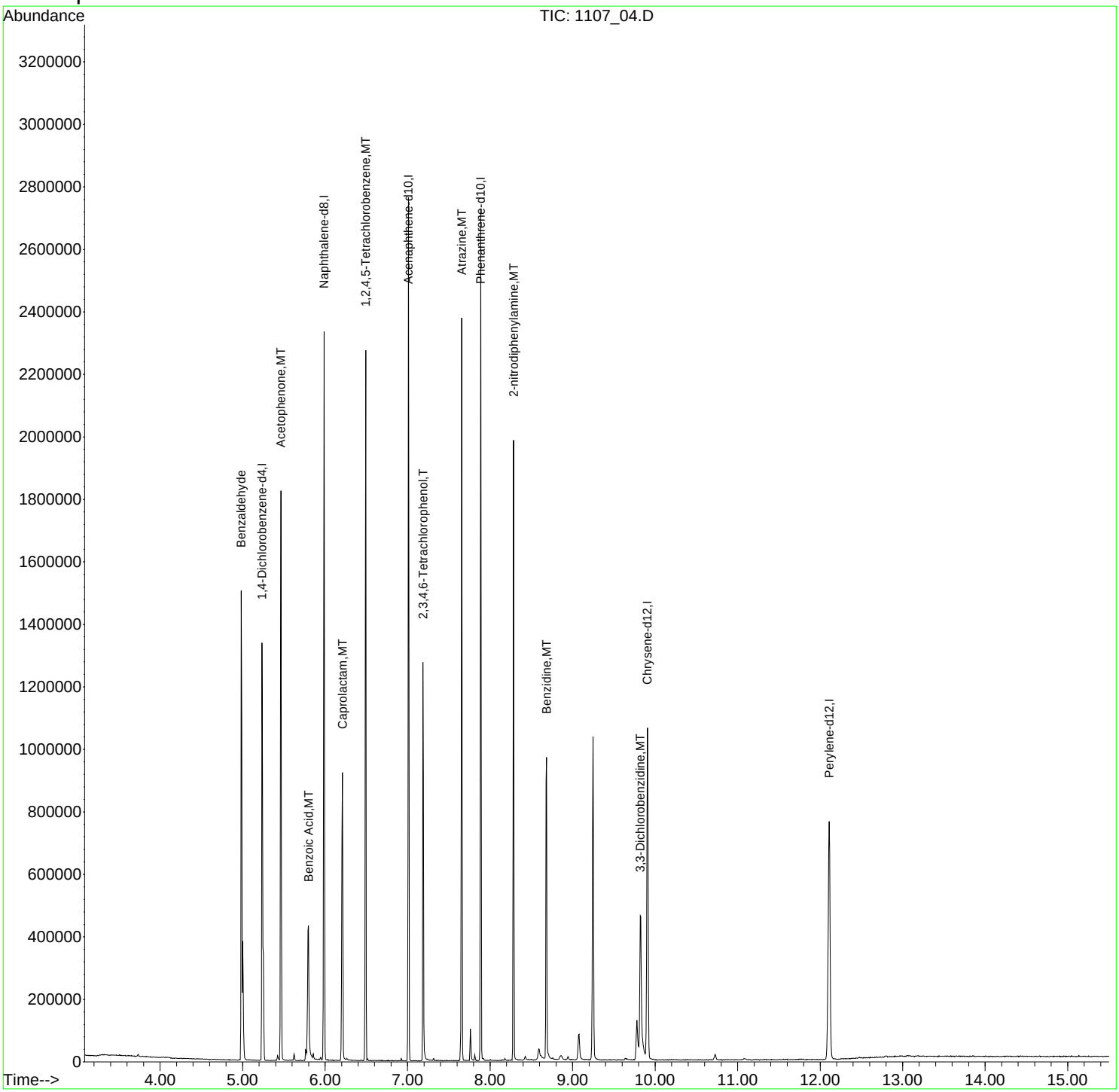
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_04.D Vial: 3
Acq On : 7 Nov 2011 8:44 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:46 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



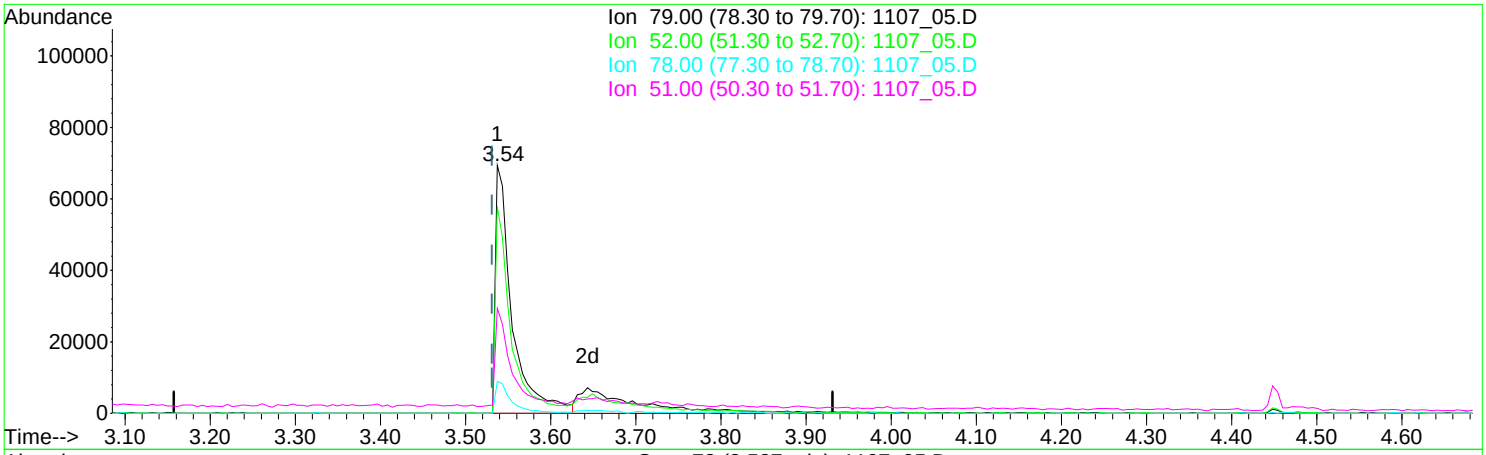
Quantitation Report (Qedit)

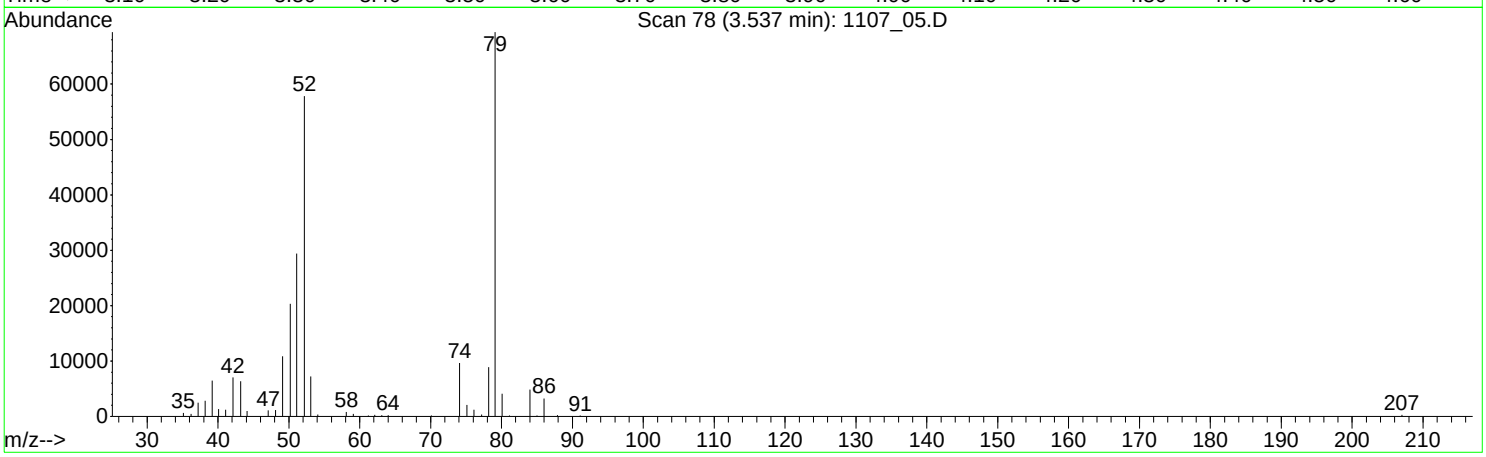
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:26 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(2) Pyridine (TM)
3.54min (+0.006) 2.6232289 ppb
Qvalue = 95
response 94221

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	83.35
78.00	12.10	12.86
51.00	36.90	39.30

1107_05.D S810K04K.M Tue Nov 08 11:47:47 2011

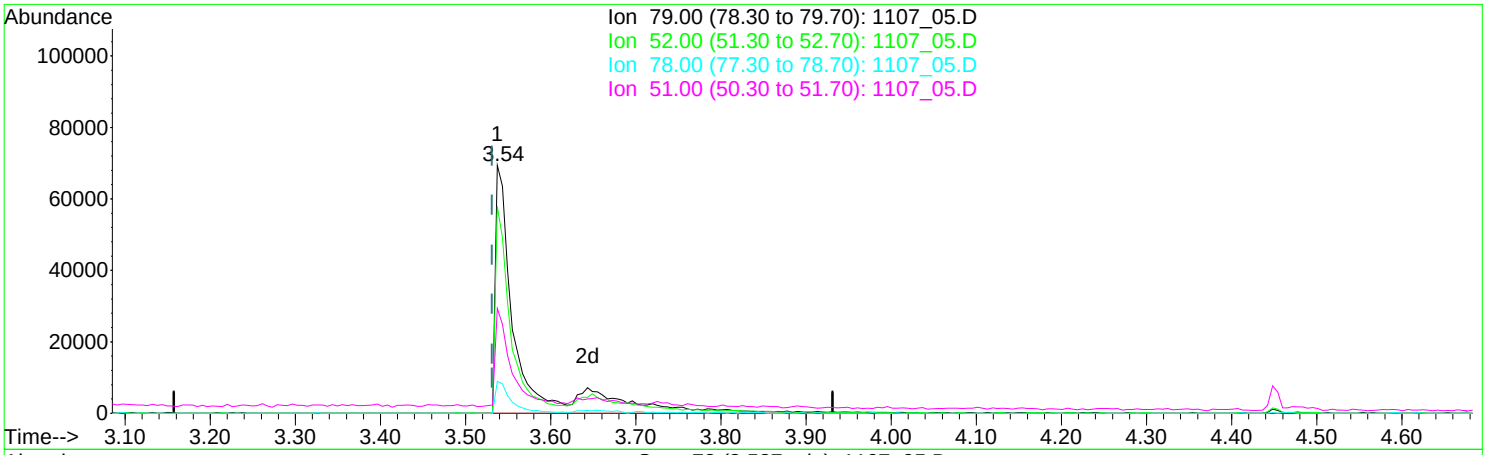
Quantitation Report (Qedit)

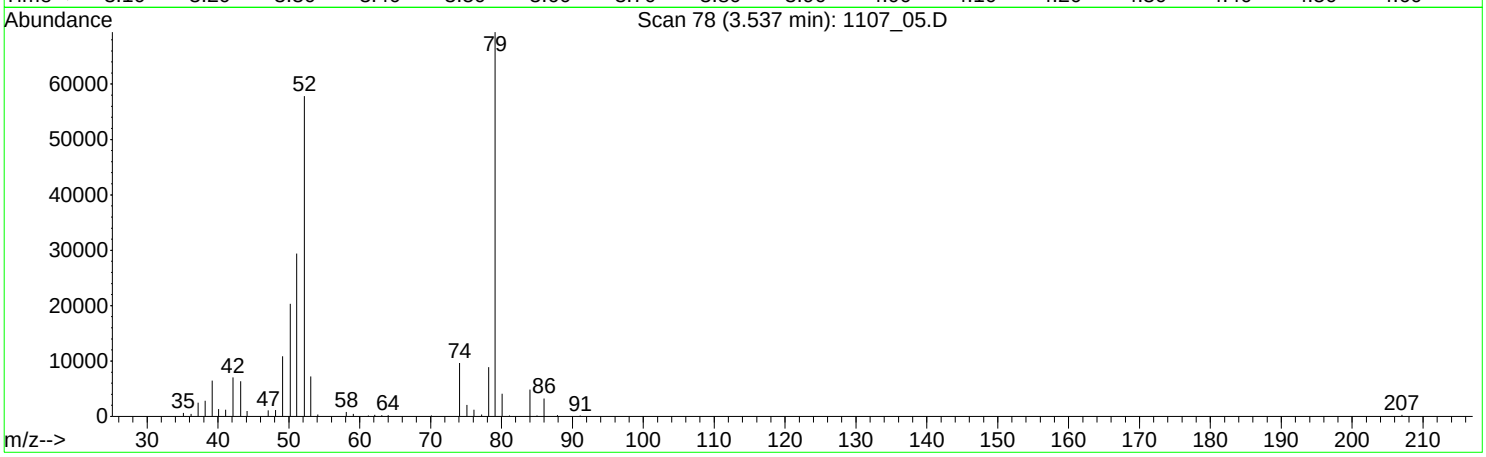
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(2) Pyridine (TM)
3.54min (+0.006) 3.5871481 ppb m

response 128843

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	83.35
78.00	12.10	12.86
51.00	36.90	42.38

1107_05.D S810K04K.M Tue Nov 08 11:47:51 2011

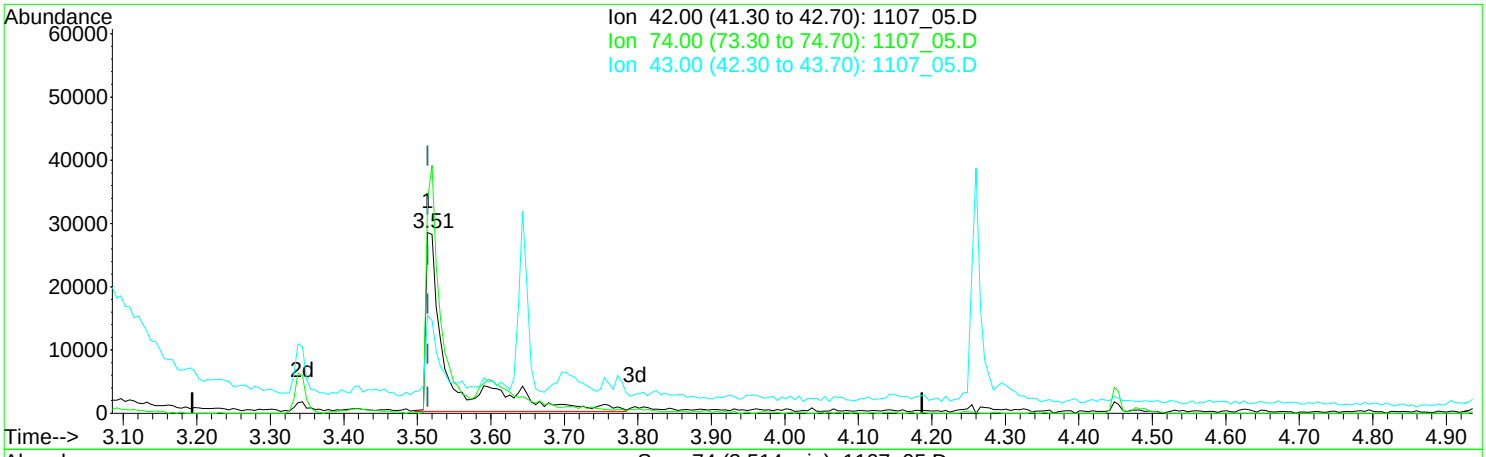
Quantitation Report (Qedit)

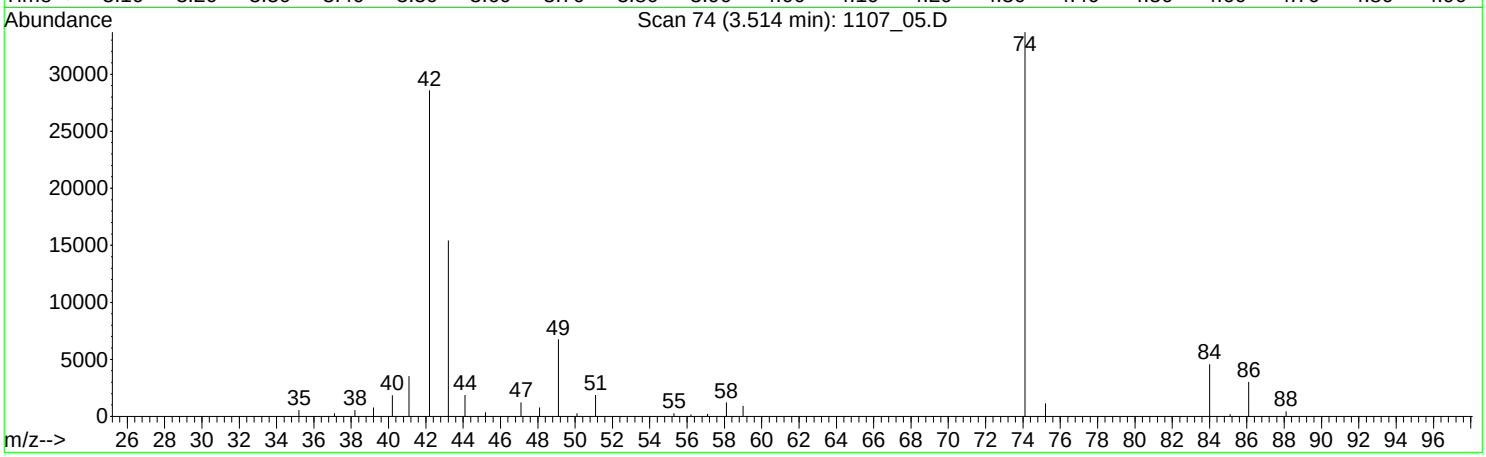
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(3) N-Nitrosodimethylamine (MT)
3.51min (-0.000) 3.4638539 ppb
Qvalue = 62
response 59762

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	133.12#
43.00	30.30	40.60
0.00	0.00	0.00

1107_05.D S810K04K.M Tue Nov 08 11:47:53 2011

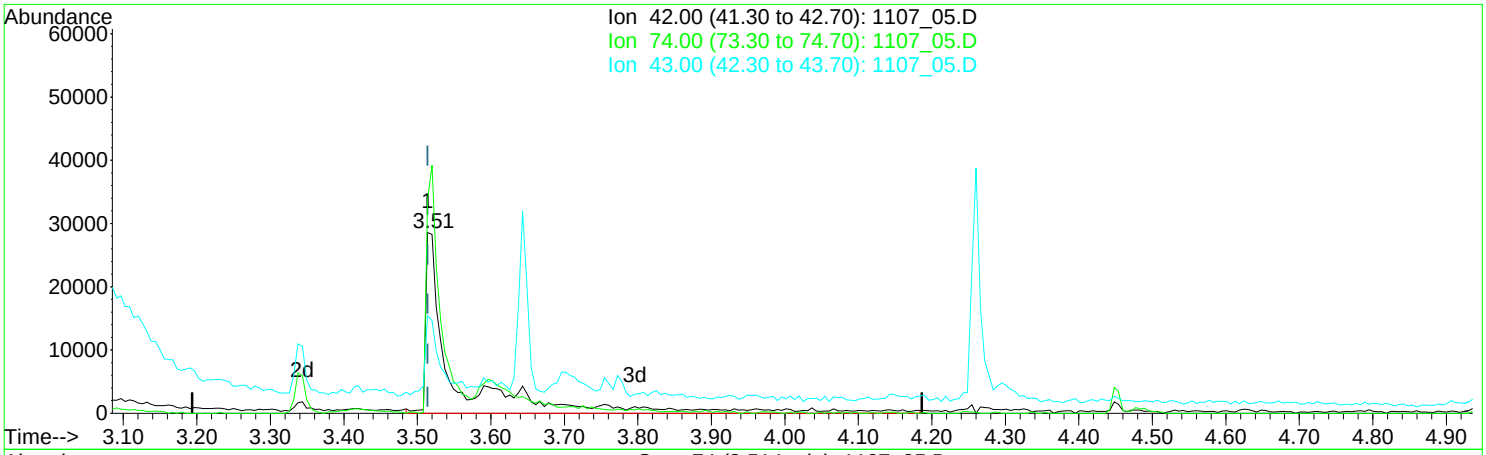
Quantitation Report (Qedit)

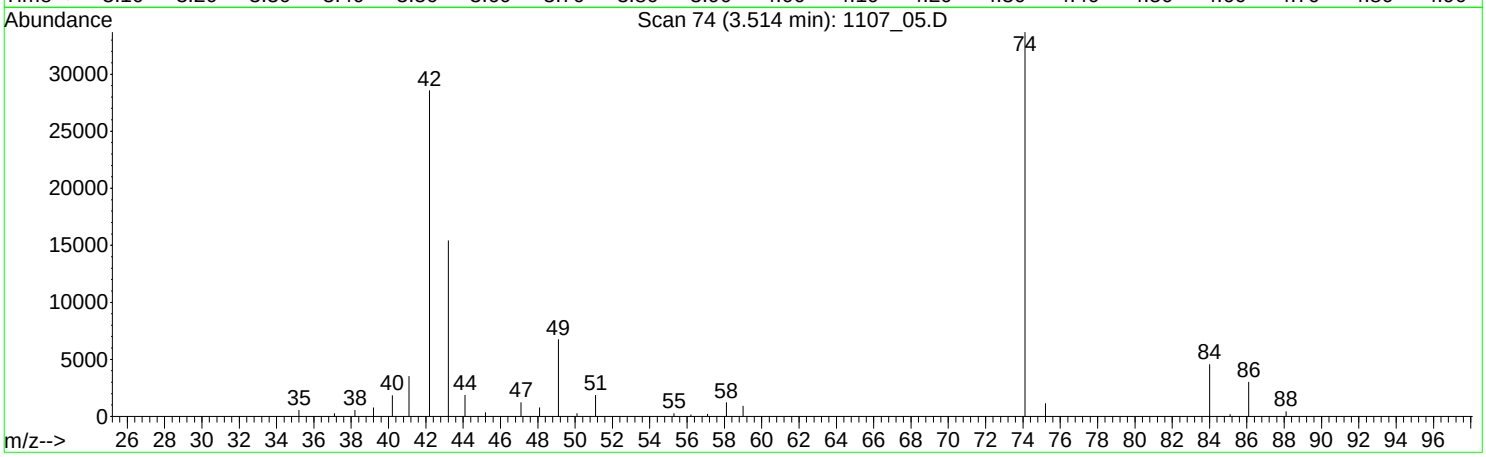
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(3) N-Nitrosodimethylamine (MT)
3.51min (-0.000) 4.5333467 ppb m

response 78214

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	101.71
43.00	30.30	31.03
0.00	0.00	0.00

1107_05.D S810K04K.M Tue Nov 08 11:47:56 2011

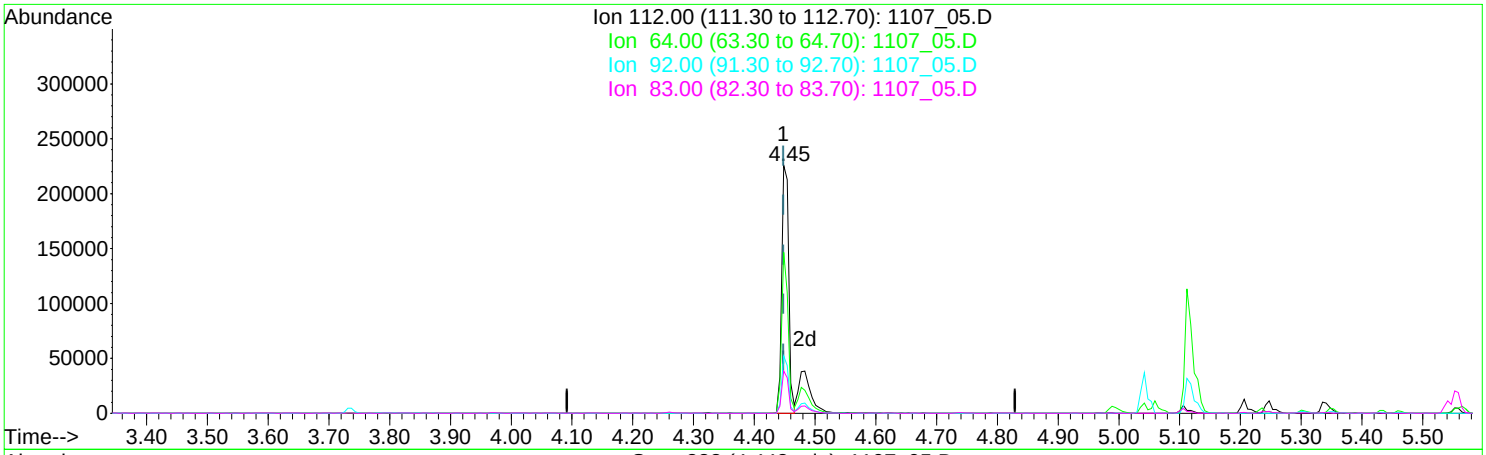
Quantitation Report (Qedit)

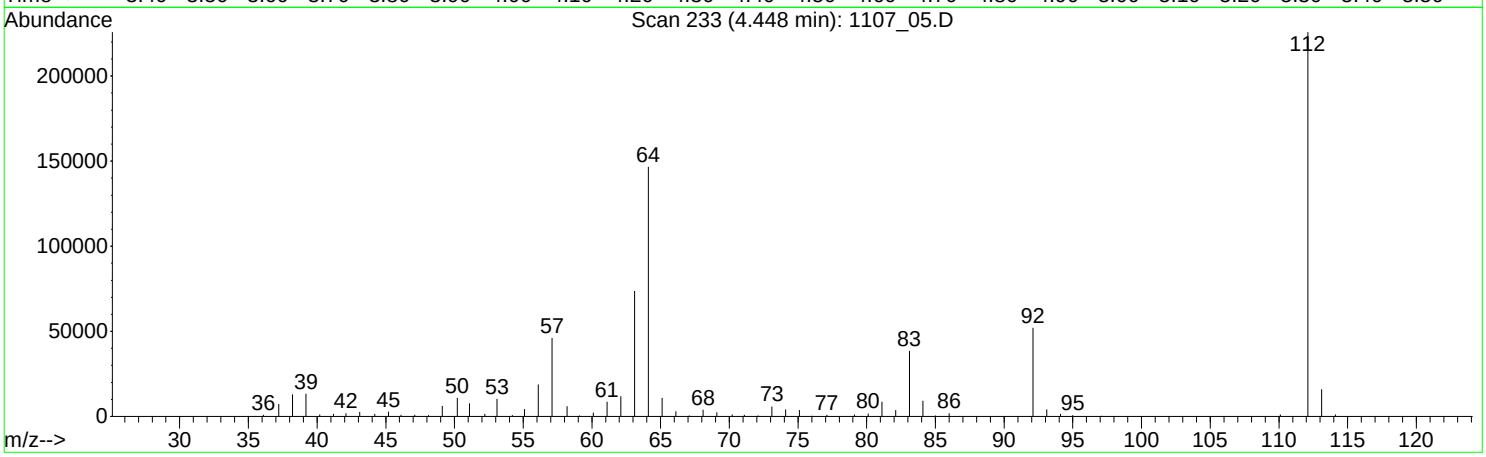
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(4) 2-Fluorophenol (S)
4.45min (-0.000) 5.2286298 ppb
Qvalue = 98
response 178873

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	64.91
92.00	22.80	23.10
83.00	17.30	17.07

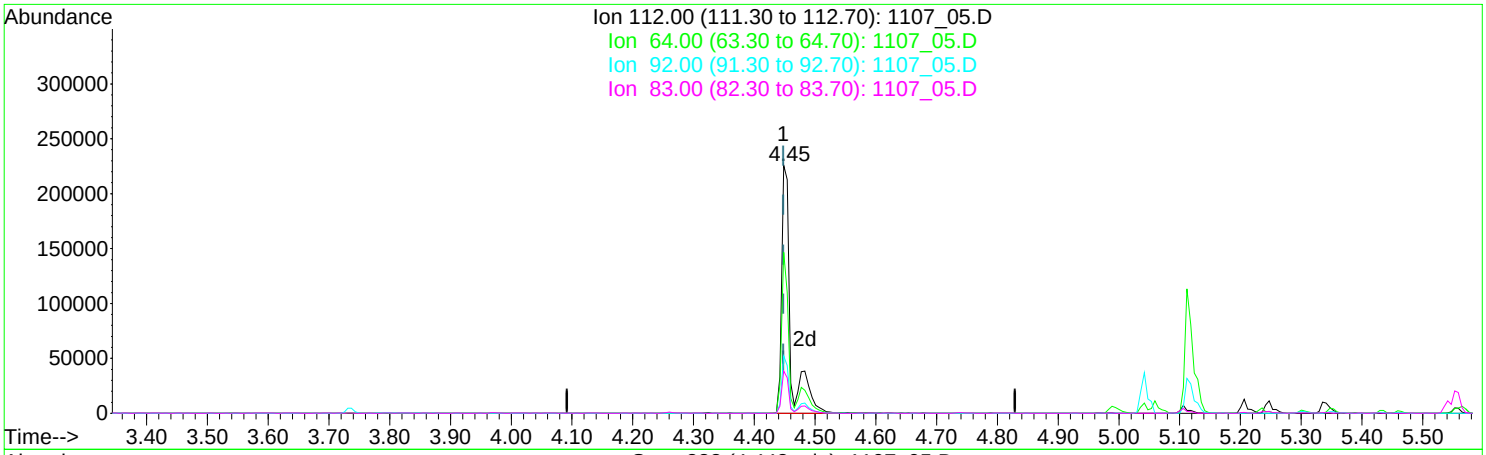
Quantitation Report (Qedit)

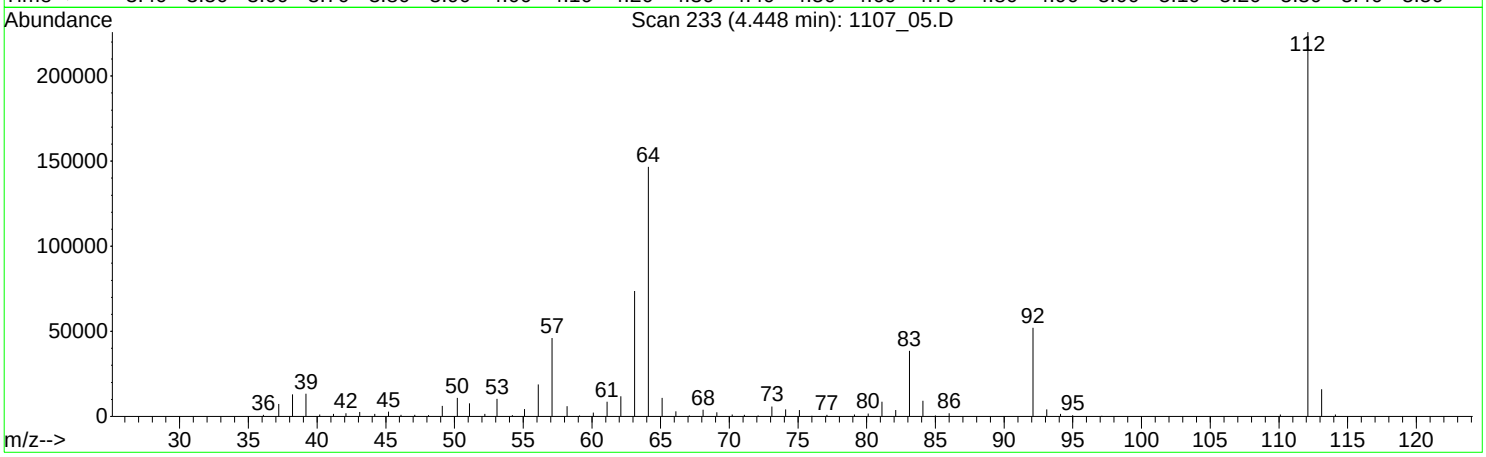
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(4) 2-Fluorophenol (S)
4.45min (-0.000) 6.8244650 ppb m

response 233467

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	64.91
92.00	22.80	23.10
83.00	17.30	17.07

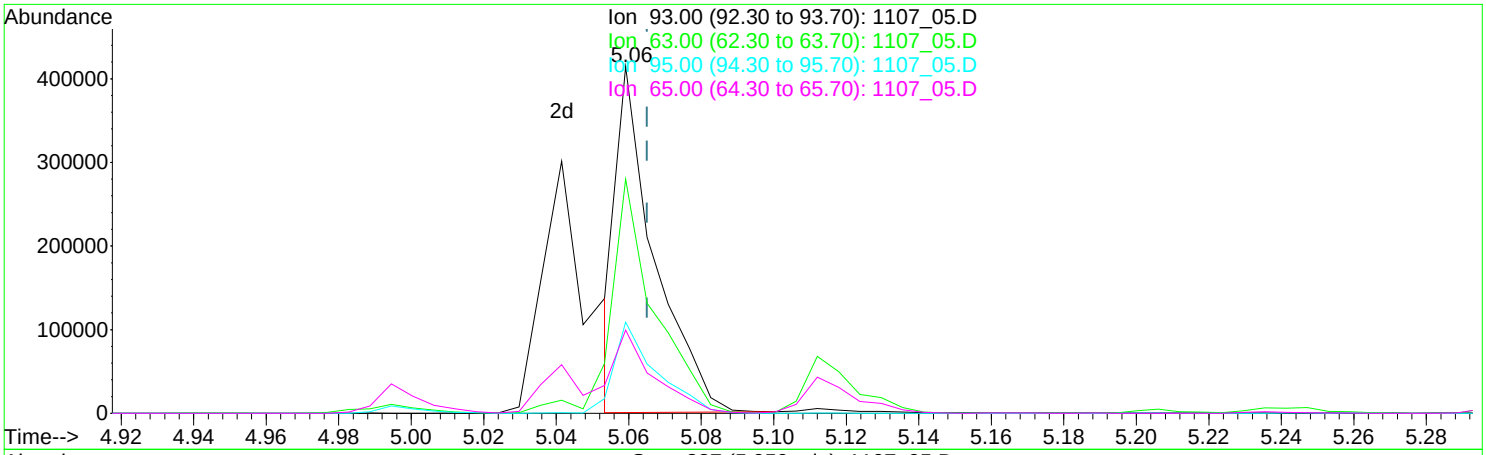
Quantitation Report (Qedit)

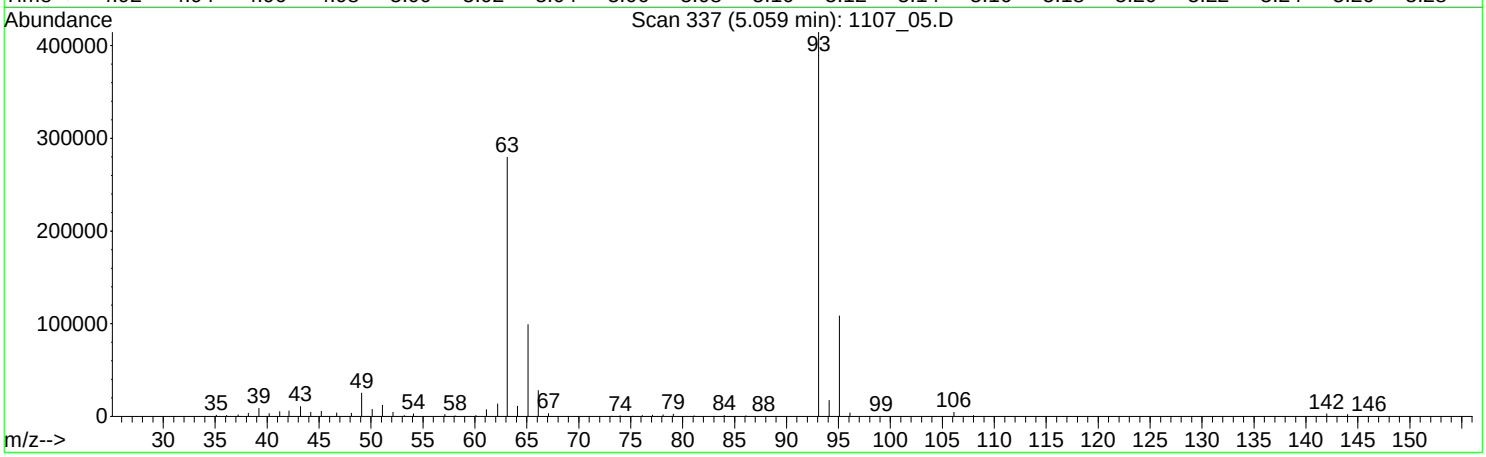
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(6) bis(2-Chloroethyl)ether (MT)
5.06min (-0.006) 7.1062006 ppb
Qvalue = 99
response 299198

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	67.66
95.00	27.50	26.39
65.00	23.30	23.73

1107_05.D S810K04K.M Tue Nov 08 11:48:07 2011

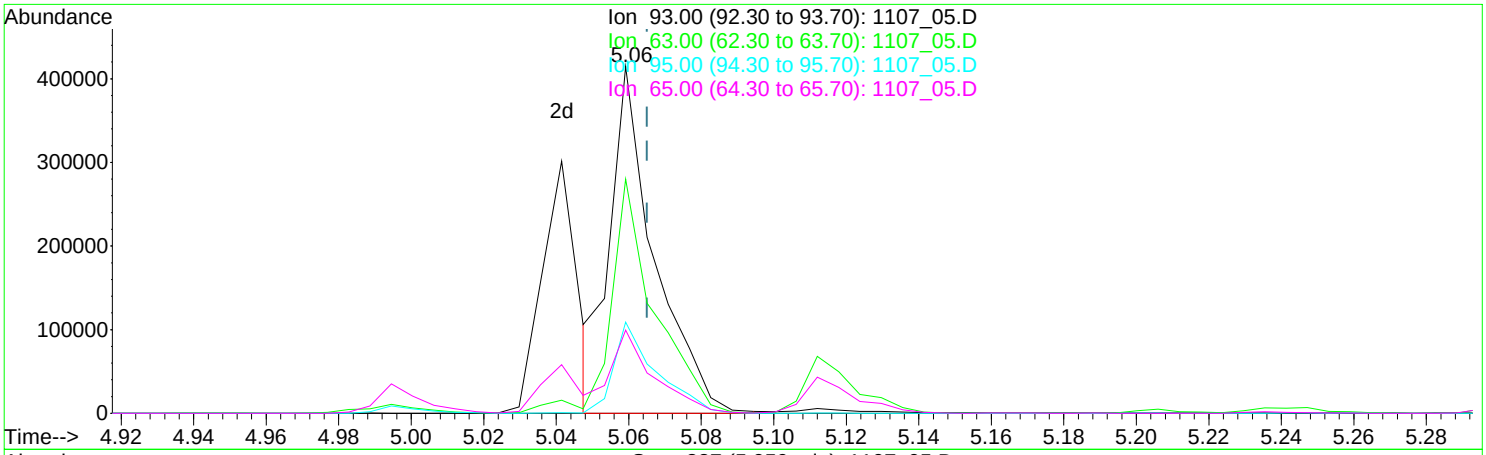
Quantitation Report (Qedit)

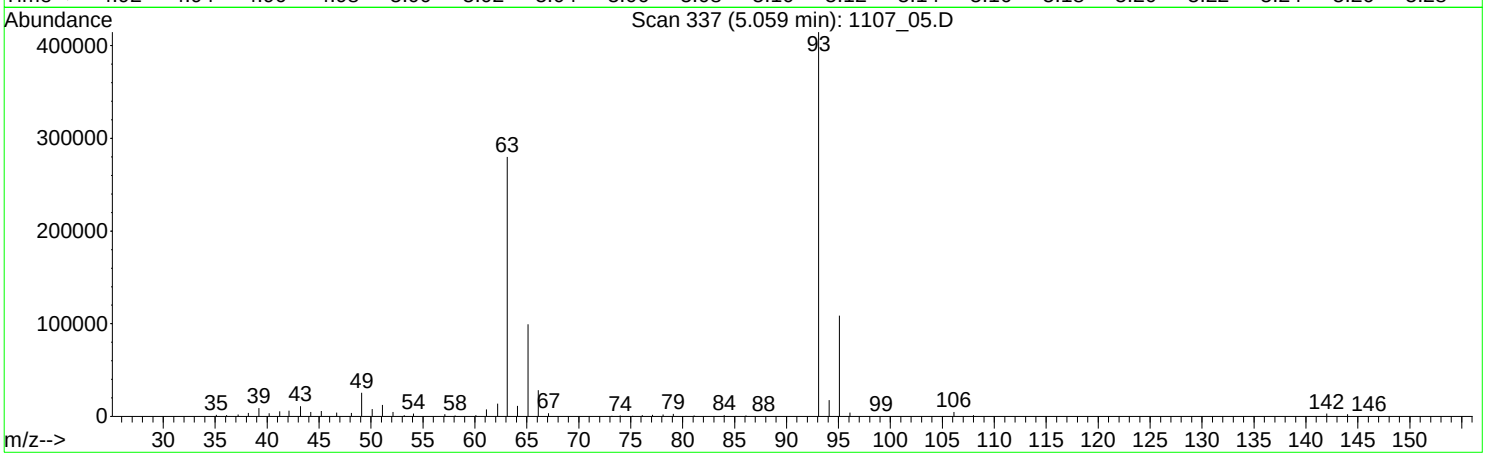
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(6) bis(2-Chloroethyl)ether (MT)
5.06min (-0.006) 8.3341660 ppb m

response 350900

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	67.53
95.00	27.50	26.27
65.00	23.30	23.98

1107_05.D S810K04K.M Tue Nov 08 11:48:12 2011

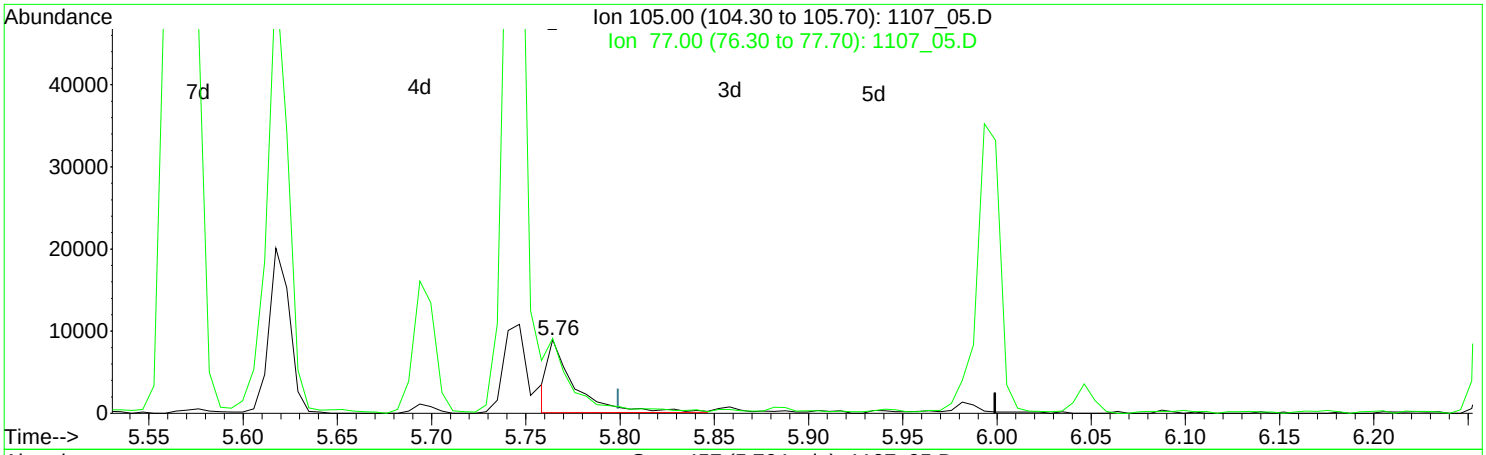
Quantitation Report (Qedit)

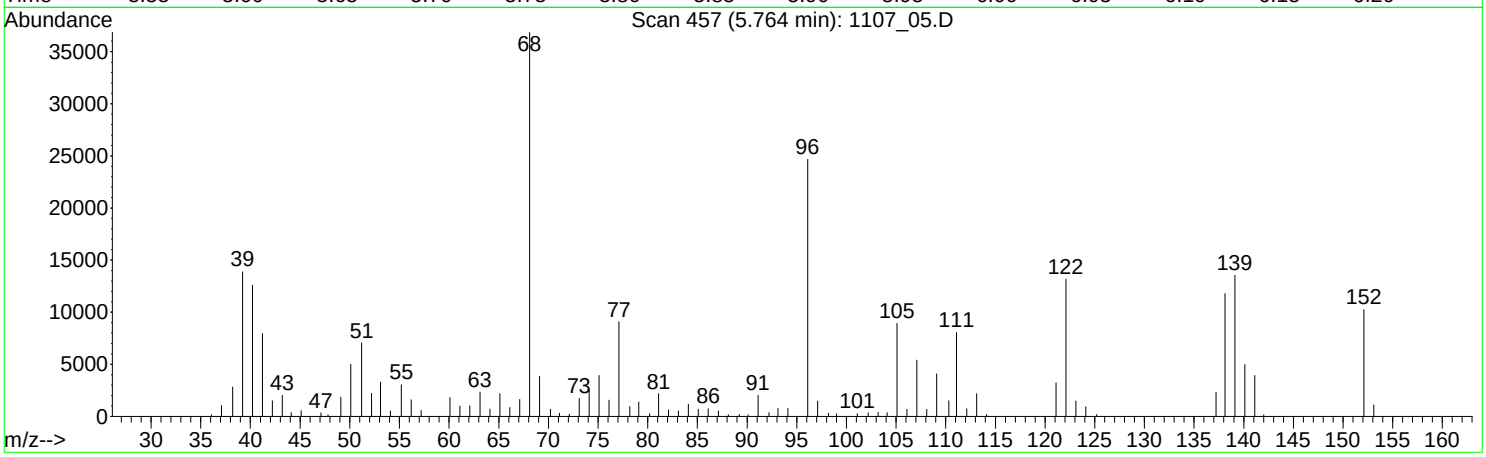
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Single Level Calibration





TIC: 1107_05.D

(30) Benzoic Acid (MT)
5.76min (-0.035) 1.6618323 ppb
Qvalue = 18
response 8682

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

1107_05.D S810K04K.M Tue Nov 08 11:48:20 2011

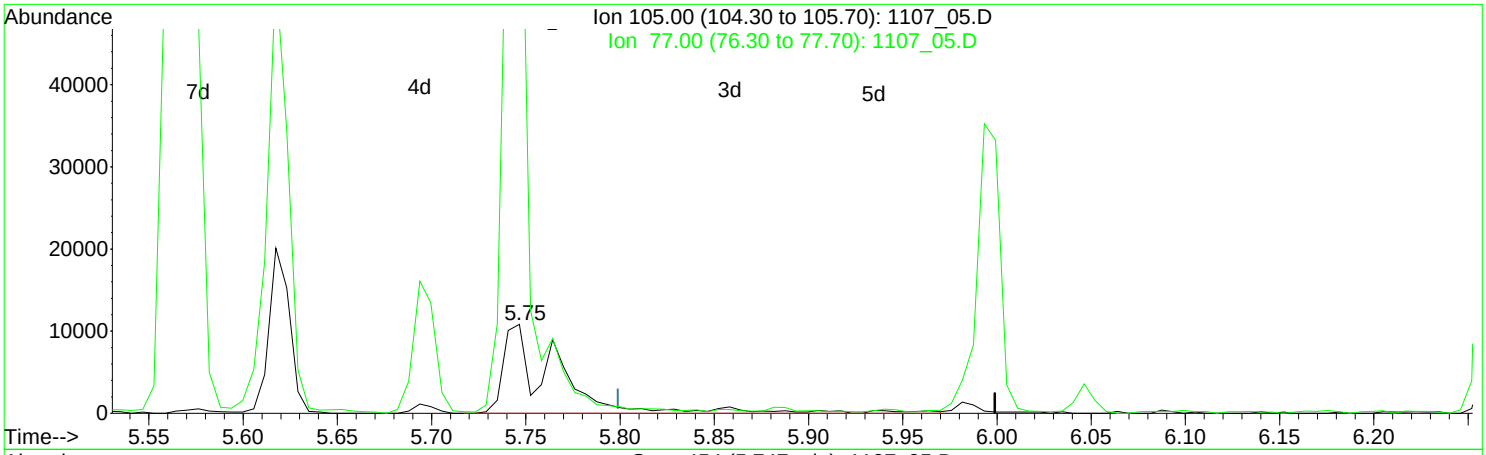
Quantitation Report (Qedit)

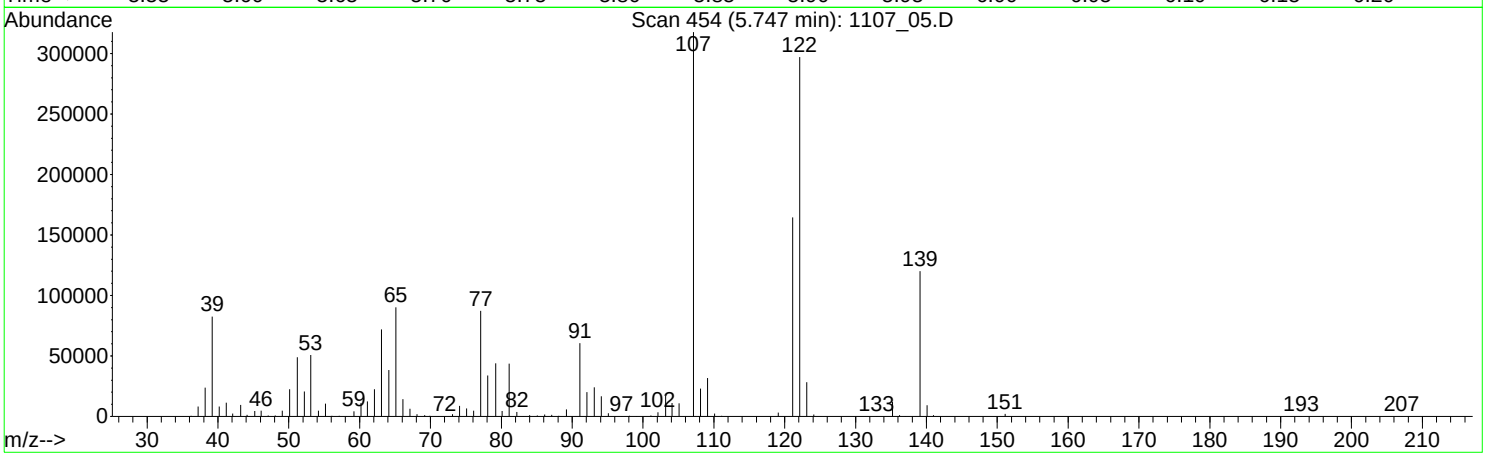
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Single Level Calibration





TIC: 1107_05.D

(30) Benzoic Acid (MT)
5.75min (-0.052) 2.4318416 ppb m

response 21281

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

1107_05.D S810K04K.M Tue Nov 08 11:48:22 2011

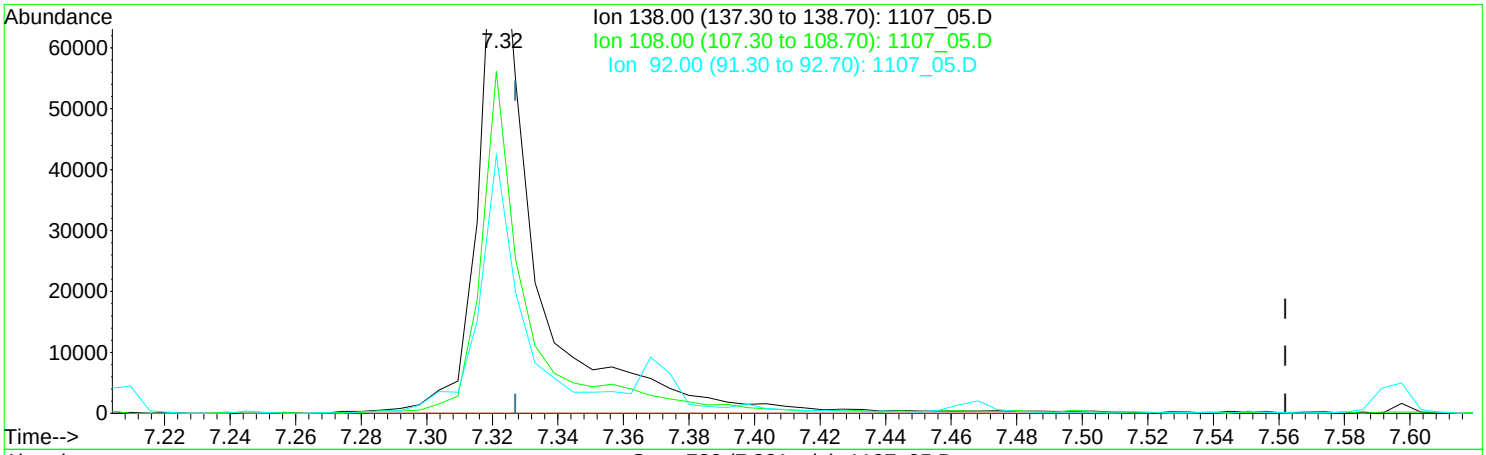
Quantitation Report (Qedit)

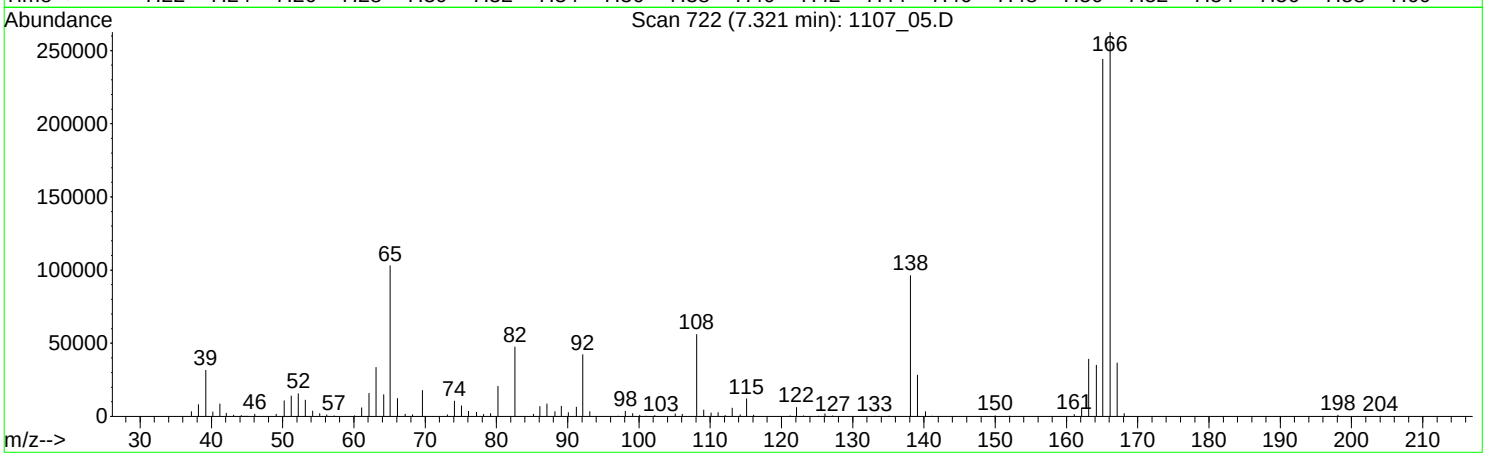
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(61) 4-Nitroaniline (MT)
7.32min (-0.006) 13.6257480 ppb
Qvalue = 96
response 101383

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	55.66
92.00	38.30	39.90
0.00	0.00	0.00

1107_05.D S810K04K.M Tue Nov 08 11:48:58 2011

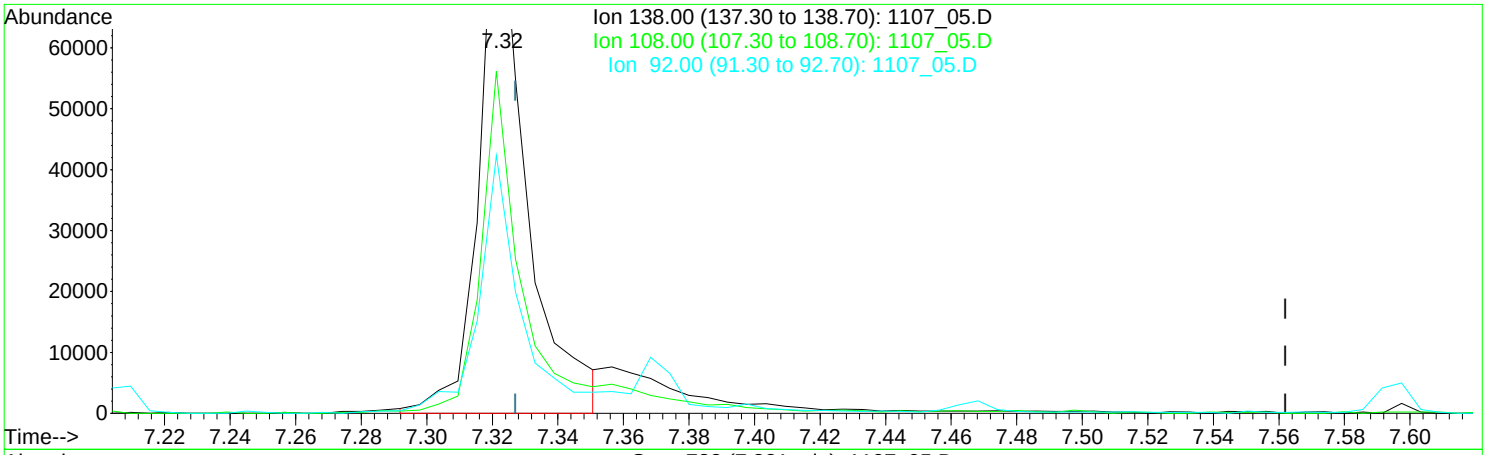
Quantitation Report (Qedit)

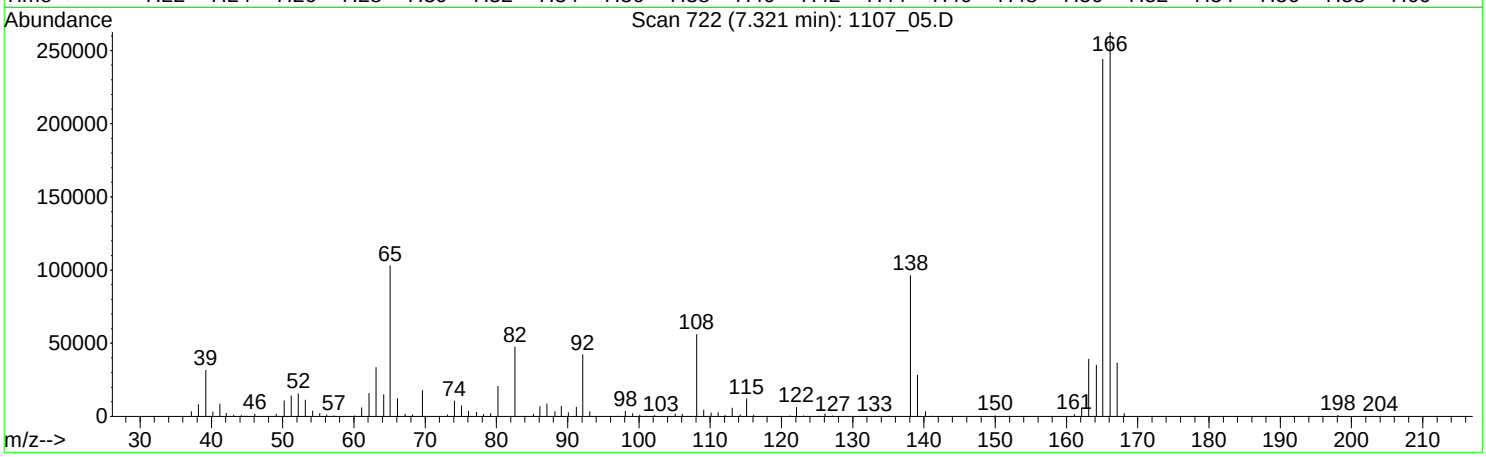
Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_05.D

(61) 4-Nitroaniline (MT)
7.32min (-0.006) 10.7381511 ppb m

response 85388

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	66.08#
92.00	38.30	47.37#
0.00	0.00	0.00

1107_05.D S810K04K.M Tue Nov 08 11:49:02 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377
Sample : LCS 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	204784	8000.00	ppb	0.00
22) Naphthalene-d8	5.98	136	757843	8000.00	ppb	0.00
40) Acenaphthene-d10	7.01	164	419723	8000.00	ppb	0.00
64) Phenanthrene-d10	7.89	188	661973	8000.00	ppb	0.00
78) Chrysene-d12	9.91	240	456470	8000.00	ppb	0.00
88) Perylene-d12	12.11	264	510003	8000.00	ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	233467m	6.8244650	ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 34.12%			
7) Phenol-d5	4.99	99	186515	5.2289885	ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 26.14%			
23) Nitrobenzene-d5	5.55	82	270245	8.1272862	ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 81.27%			
44) 2-Fluorobiphenyl	6.59	172	579209	8.6616052	ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 86.62%			
67) 2,4,6-Tribromophenol	7.47	330	96780	13.5044455	ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 67.52%			
Spiked Amount 10.000	Range 40 - 174		Recovery = 90.11%			

Target Compounds

						Qvalue
2) Pyridine	3.54	79	128843m	3.5871481	ppb	
3) N-Nitrosodimethylamine	3.51	42	78214m	4.5333467	ppb	
5) Aniline	5.04	93	201885	5.5162874	ppb	94
6) bis(2-Chloroethyl)ether	5.06	93	350900m	8.3341660	ppb	
8) Phenol	4.99	94	100938	2.3158395	ppb	94
9) Benzaldehyde	4.98	105	134473	4.9614283	ppb	95
10) 2-Chlorophenol	5.11	128	225733	6.2366167	ppb	94
11) n-Decane	5.11	41	126095	7.0843149	ppb	98
12) 1,3-Dichlorobenzene	5.21	146	291359	7.2366113	ppb	98
13) 1,4-Dichlorobenzene	5.25	146	294644	7.3488969	ppb	97
14) Benzyl Alcohol	5.30	79	148436	6.0350244	ppb	99
15) 1,2-Dichlorobenzene	5.34	146	286541	7.5468545	ppb	96
16) bis(2-Chloroisopropyl)ethe	5.37	121	98334	8.1215184	ppb	100
17) 2-Methylphenol	5.35	108	178472	5.6089845	ppb	95
18) Hexachloroethane	5.54	117	103749	6.9819725	ppb	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377
Sample : LCS 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	186660	8.1814722	ppb		94
20)	3&4-Methyl phenol	5.43	107	196838	5.5413514	ppb		93
21)	Acetophenone	5.46	105	368418	8.6922526	ppb		99
24)	Nitrobenzene	5.56	77	256533	8.2806023	ppb		98
25)	Isophorone	5.69	82	425978	7.1279298	ppb		97
26)	2-Nitrophenol	5.75	139	130387	7.5653290	ppb		82
27)	2,4-Dimethylphenol	5.75	107	230240	8.4098441	ppb		98
28)	bis(2-Chlorethoxy)methane	5.80	93	328205	8.6899105	ppb		98
29)	2,4-Dichlorophenol	5.89	162	198867	7.4695233	ppb		90
30)	Benzoic Acid	5.75	105	21281m	2.4318416	ppb		
31)	1,2,4-Trichlorobenzene	5.94	180	252298	7.5468081	ppb		99
32)	Naphthalene	6.00	128	841138	8.4904414	ppb		94
33)	4-Chloroaniline	6.01	65	71857	7.7428783	ppb		99
34)	Hexachloro-1,3-butadiene	6.05	225	130159	8.0978213	ppb		97
35)	Caprolactam	6.20	113	18346	1.8315324	ppb		98
36)	4-Chloro-3-methylphenol	6.26	107	197326	7.4041930	ppb		93
37)	2-Methylnaphthalene	6.39	142	551129	8.9464856	ppb		100
38)	1-Methylnaphthalene	6.45	142	547981	8.7711150	ppb		98
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	238168	8.5686432	ppb		98
41)	Hexachlorocyclopentadiene	6.48	237	96139	8.1642999	ppb		99
42)	2,4,6-Trichlorophenol	6.55	196	118147	6.3954850	ppb		91
43)	2,4,5-Trichlorophenol	6.57	196	128020	6.7523410	ppb		96
45)	Biphenyl	6.66	154	694863	8.9781279	ppb		100
46)	2-Chloronaphthalene	6.68	162	511150	8.5346598	ppb		99
47)	2-Nitroaniline	6.73	138	163592	8.8920500	ppb		99
48)	Acenaphthylene	6.93	152	831966	9.2099571	ppb		100
49)	Dimethyl phthalate	6.80	163	481621	7.1812272	ppb		98
50)	2,6-Dinitrotoluene	6.85	165	137379	9.0264281	ppb		97
51)	3-Nitroaniline	6.96	138	100863	11.4756654	ppb		99
52)	Acenaphthene	7.03	153	528319	8.8800291	ppb		99
53)	2,4-Dinitrophenol	7.02	184	19425	4.5177576	ppb	#	1
54)	Dibenzofuran	7.13	168	693437	8.5585861	ppb		100
55)	2,4-Dinitrotoluene	7.09	165	159184	8.1865294	ppb		92
56)	2,3,4,6-Tetrachlorophenol	7.19	232	1145	0.0974202	ppb		67
57)	4-Nitrophenol	7.03	139	19550	1.9012779	ppb		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377
Sample : LCS 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.30	204	290910	8.9993404 ppb		99
60)	Diethyl phthalate	7.21	149	527656	8.1521897 ppb		97
61)	4-Nitroaniline	7.32	138	85388m	10.7381511 ppb		
62)	Azobenzene	7.40	77	509145	8.2814454 ppb		99
63)	Atrazine	7.66	200	173445	9.2298598 ppb		99
65)	4,6-Dinitro-2-methylphenol	7.33	198	39806	5.1707669 ppb	#	58
66)	N-Nitrosodiphenylamine	7.37	169	461561	8.9891989 ppb		99
68)	4-Bromophenyl-phenylether	7.60	248	162871	9.0574206 ppb	#	85
69)	Hexachlorobenzene	7.65	284	161424	8.3047299 ppb		99
70)	n-octadecane	7.73	55	98112	8.9197487 ppb		100
71)	Pentachlorophenol	7.76	266	47678	4.6452176 ppb		92
72)	Phenanthrene	7.90	178	815439	9.0174574 ppb		99
73)	Anthracene	7.93	178	797694	9.2652044 ppb		99
74)	Carbazole	8.01	167	602539	8.4301023 ppb		99
75)	Di-n-butyl phthalate	8.16	149	1012045	9.3280022 ppb		100
76)	2-nitrodiphenylamine	8.28	167	177703	9.8196252 ppb		99
77)	Fluoranthene	8.63	202	819384	8.9877962 ppb		99
79)	Benzidine	8.68	184	103231	2.8874424 ppb		99
80)	Pyrene	8.80	202	823063	8.9913889 ppb		100
82)	Benzylbutyl phthalate	9.22	149	349239	7.9325277 ppb		95
83)	3,3-Dichlorobenzidine	9.82	252	157395	9.9692569 ppb		100
84)	Benzo(a)anthracene	9.89	228	578800	8.7783786 ppb		99
85)	Chrysene	9.94	228	528358	8.6116883 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	587037	8.8876600 ppb		98
87)	Di-n-octyl phthalate	10.66	149	904829	8.8007584 ppb		99
89)	Benzo(b)fluoranthene	11.42	252	612209	8.6999149 ppb		97
90)	Benzo(k)fluoranthene	11.48	252	560843	8.8240036 ppb		96
91)	Benzo(a)pyrene	12.00	252	578607	8.9112515 ppb		100
92)	Indeno(1,2,3-cd)pyrene	13.80	276	756850	9.2996203 ppb		97
93)	Dibenz(a,h)anthracene	13.83	278	672021	9.5991418 ppb		96

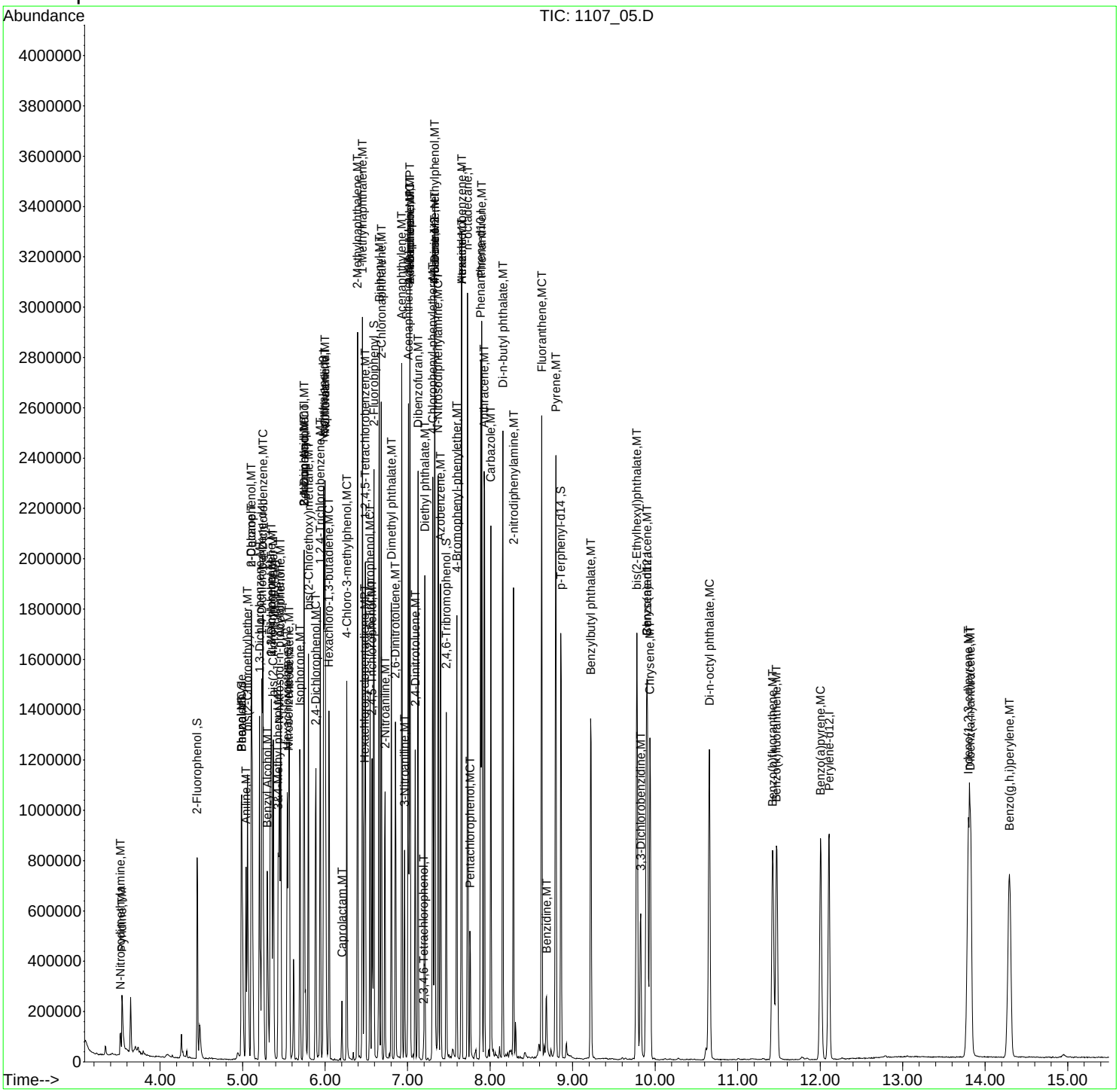
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_05.D Vial: 4
Acq On : 7 Nov 2011 9:28 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:48 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



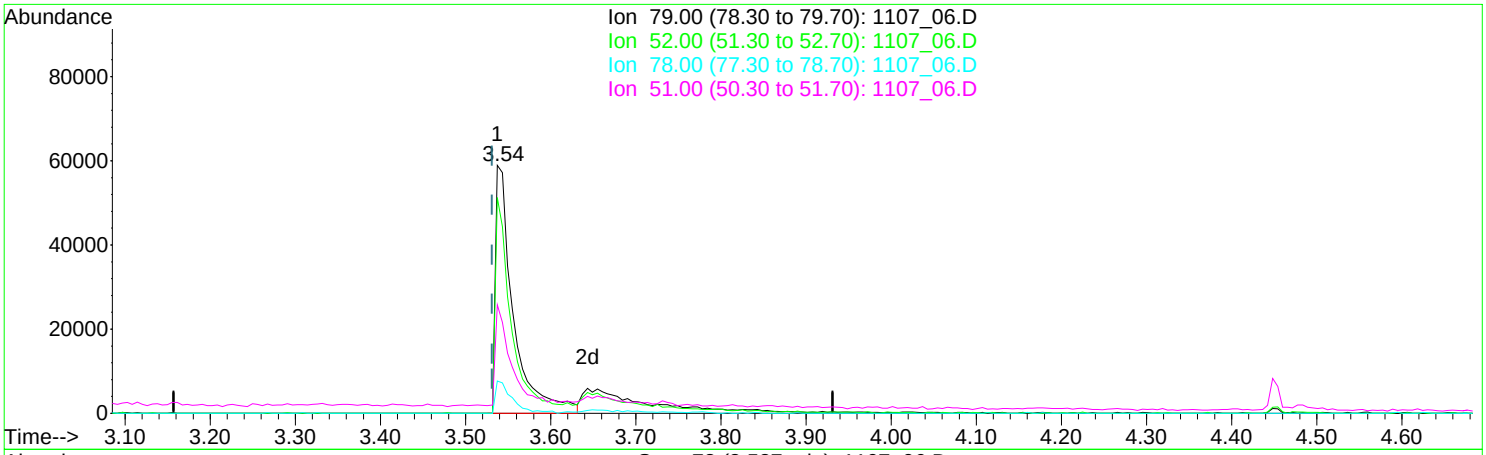
Quantitation Report (Qedit)

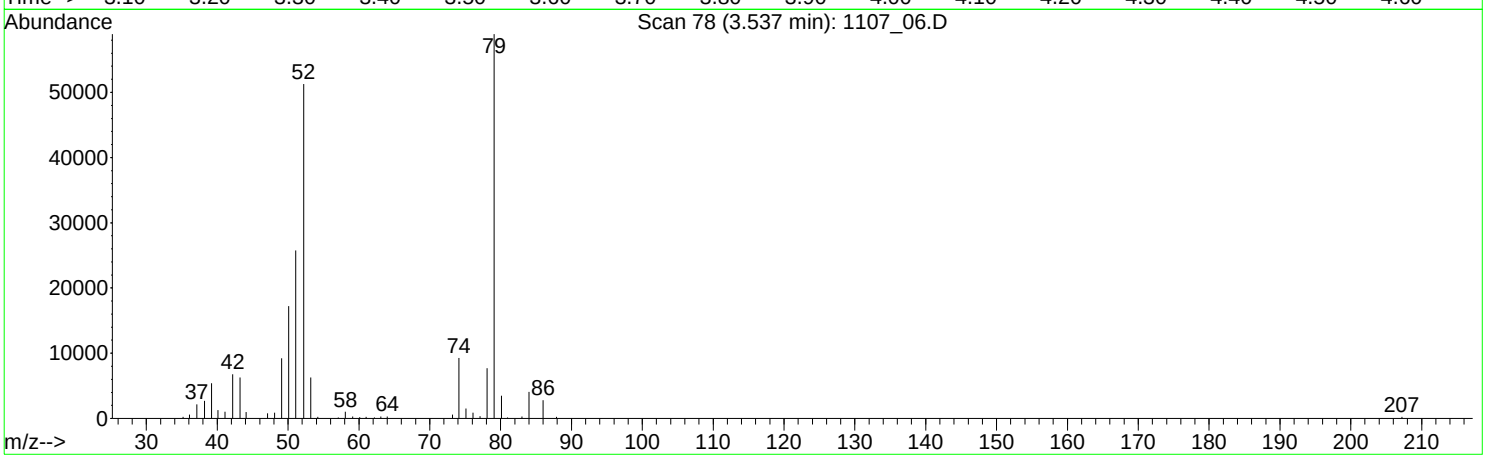
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:26 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(2) Pyridine (TM)
3.54min (+0.006) 2.7262643 ppb
Qvalue = 92
response 86286

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	87.05
78.00	12.10	13.09
51.00	36.90	40.66

1107_06.D S810K04K.M Tue Nov 08 11:50:33 2011

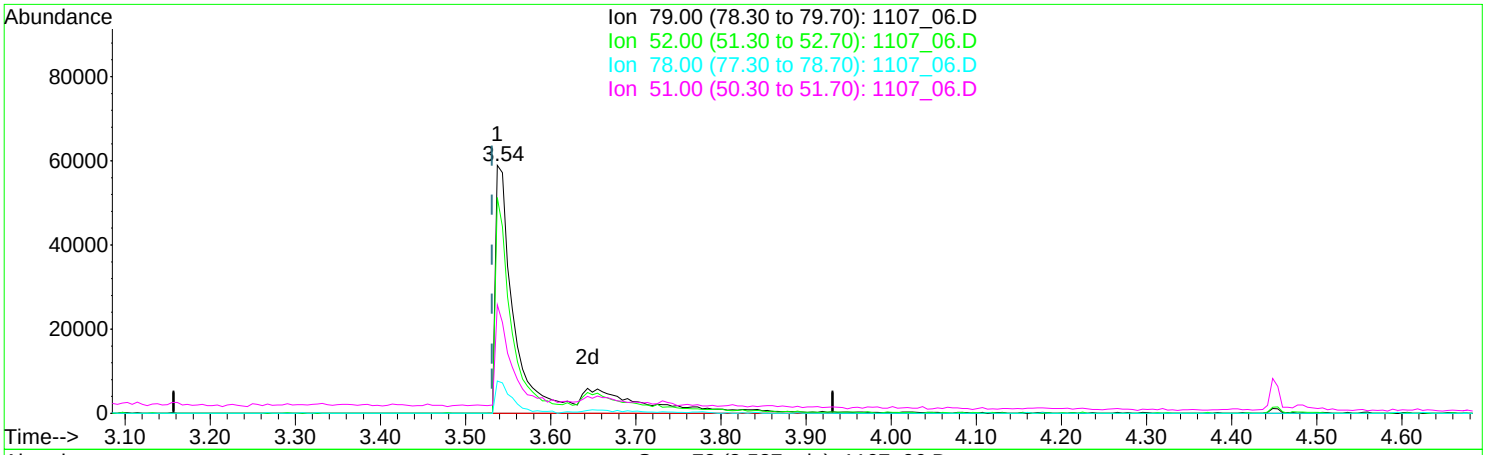
Quantitation Report (Qedit)

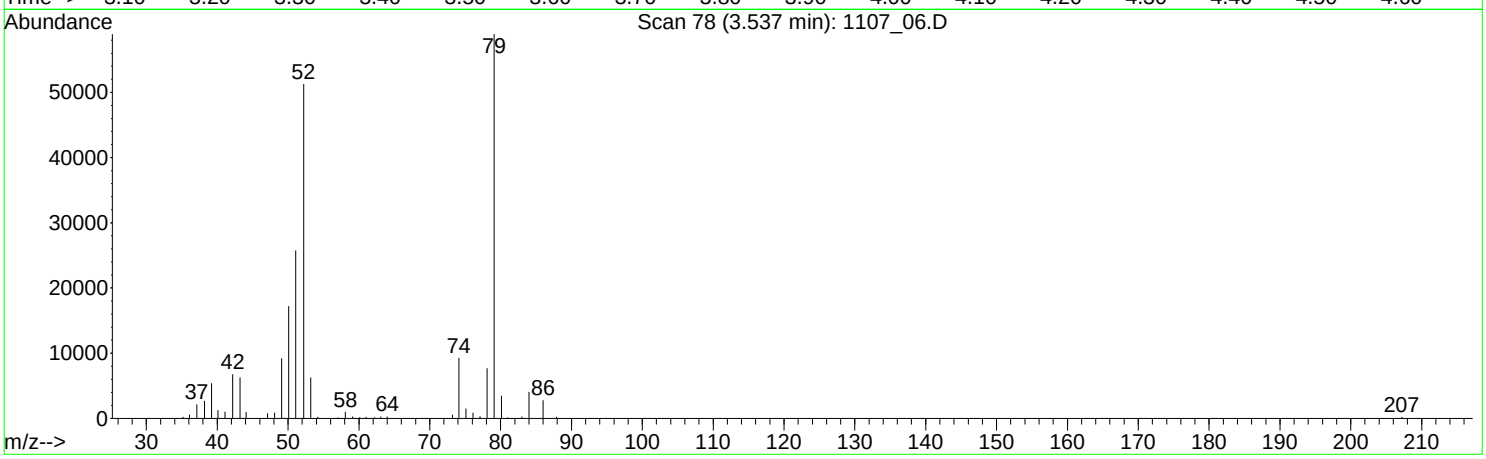
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(2) Pyridine (TM)
3.54min (+0.006) 3.7359356 ppb m

response 118242

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	87.05
78.00	12.10	13.09
51.00	36.90	43.70

1107_06.D S810K04K.M Tue Nov 08 11:50:37 2011

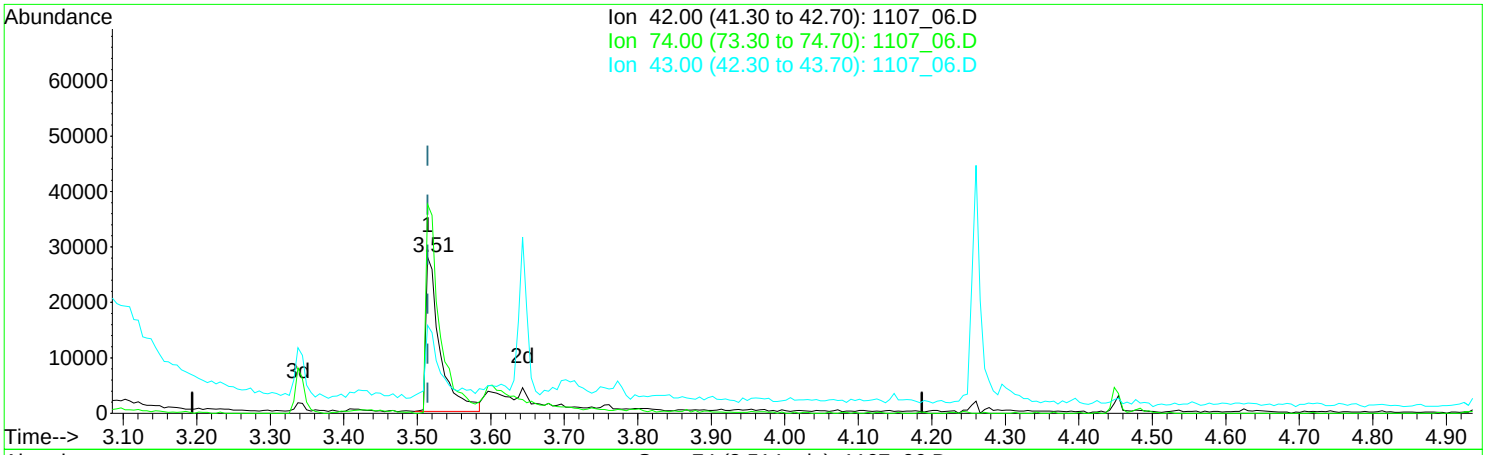
Quantitation Report (Qedit)

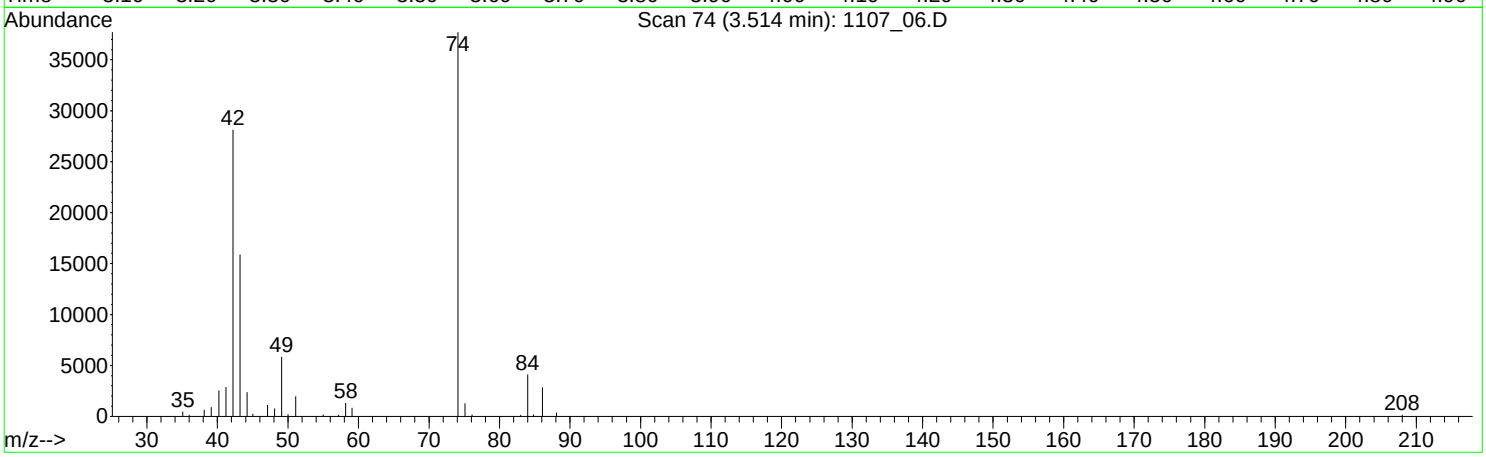
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(3) N-Nitrosodimethylamine (MT)
3.51min (+0.000) 2.4599255 ppb
Qvalue = 47
response 37398

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	136.96#
43.00	30.30	67.09#
0.00	0.00	0.00

1107_06.D S810K04K.M Tue Nov 08 11:50:39 2011

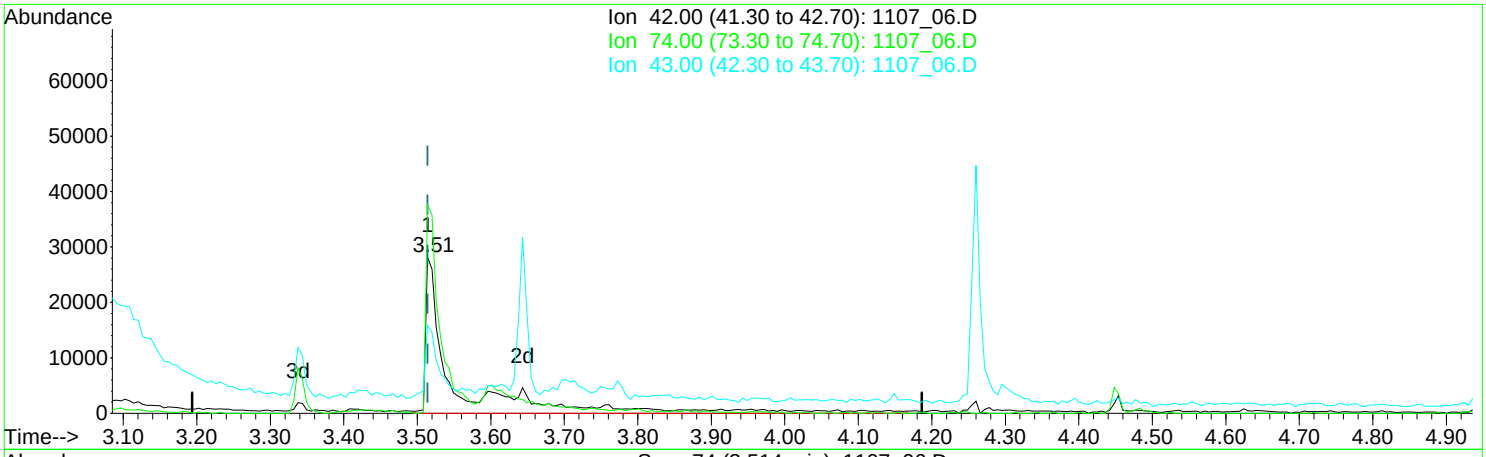
Quantitation Report (Qedit)

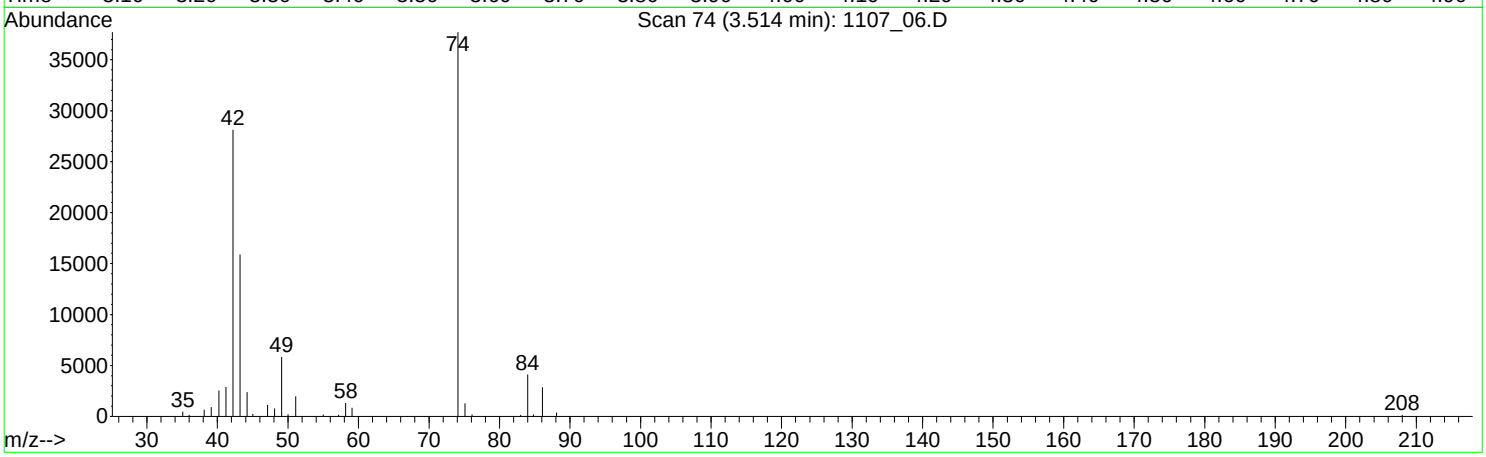
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(3) N-Nitrosodimethylamine (MT)
3.51min (+0.000) 4.9113000 ppb m

response 74666

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	68.60#
43.00	30.30	33.61
0.00	0.00	0.00

1107_06.D S810K04K.M Tue Nov 08 11:50:43 2011

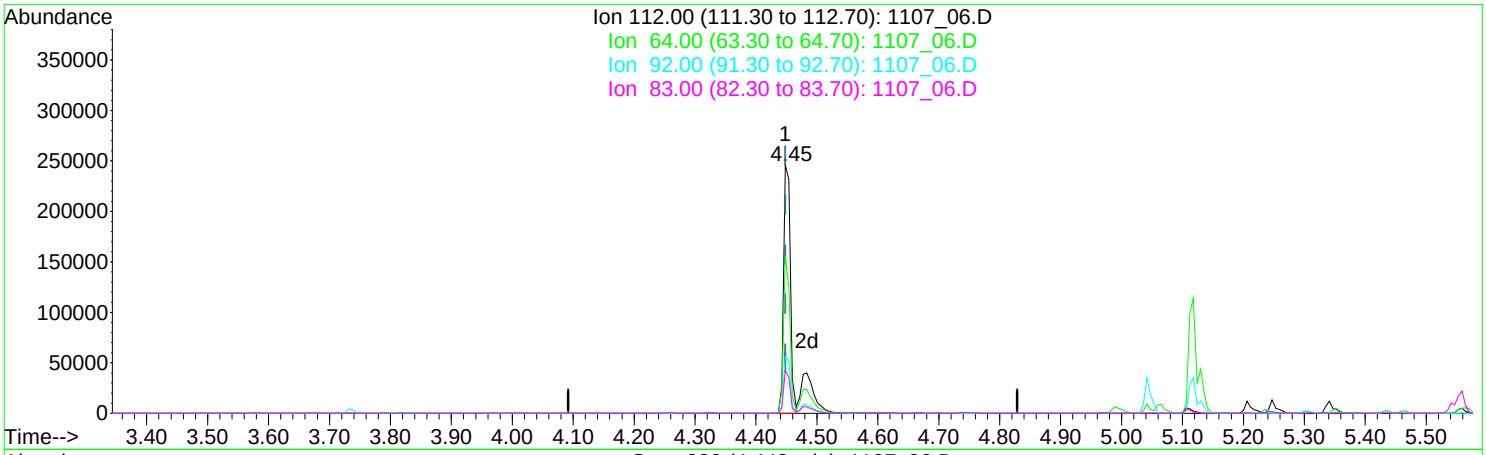
Quantitation Report (Qedit)

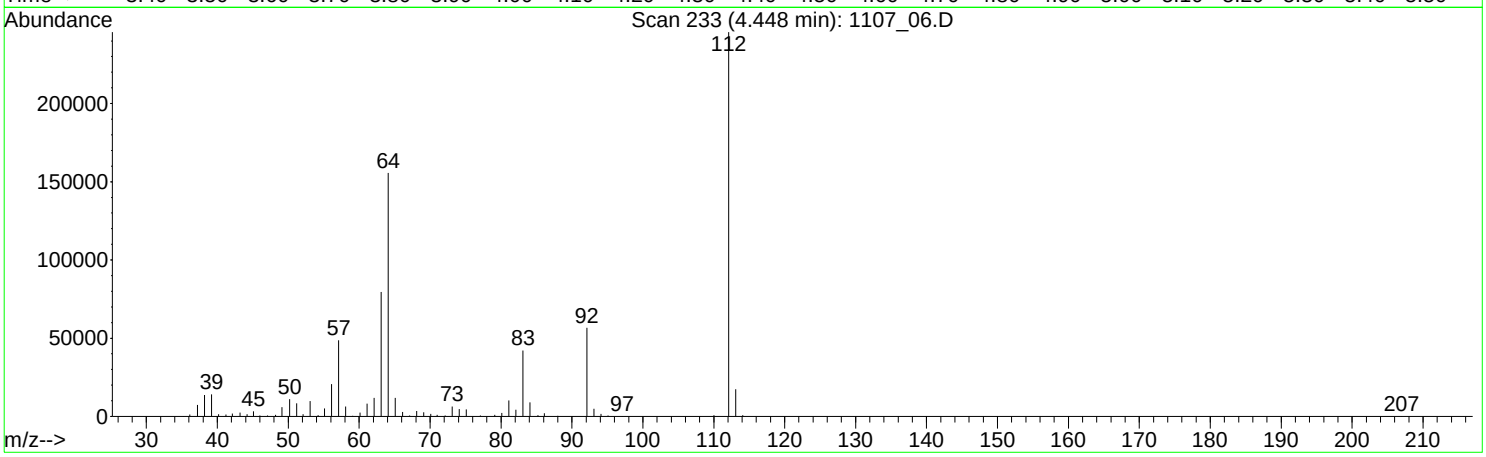
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(4) 2-Fluorophenol (S)
4.45min (+0.000) 6.3573034 ppb
Qvalue = 99
response 191642

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	63.37
92.00	22.80	23.04
83.00	17.30	17.16

1107_06.D S810K04K.M Tue Nov 08 11:50:46 2011

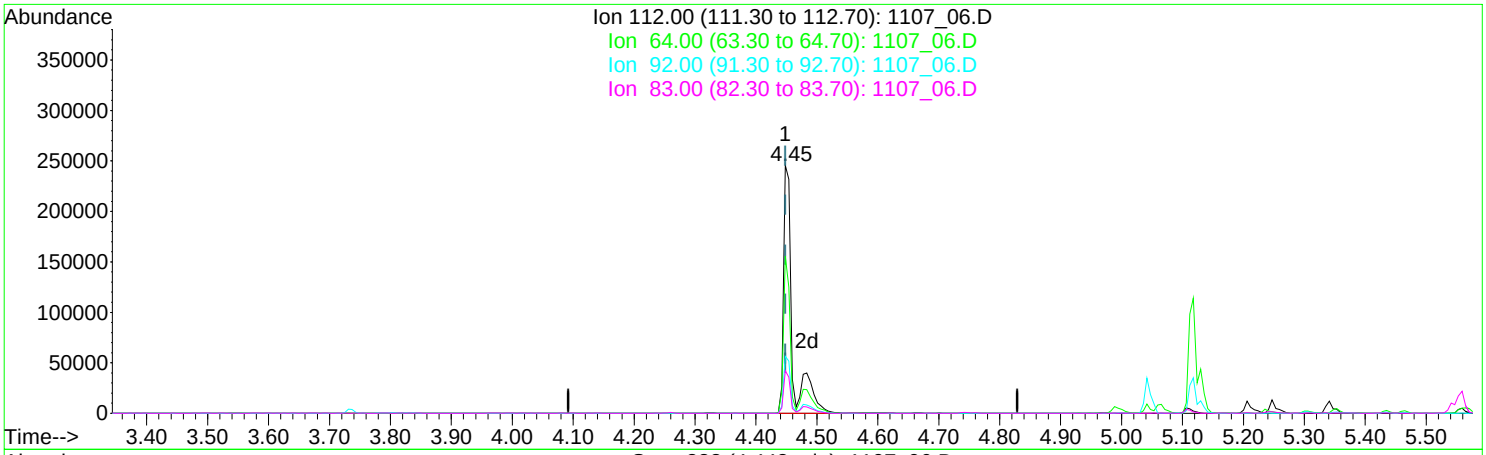
Quantitation Report (Qedit)

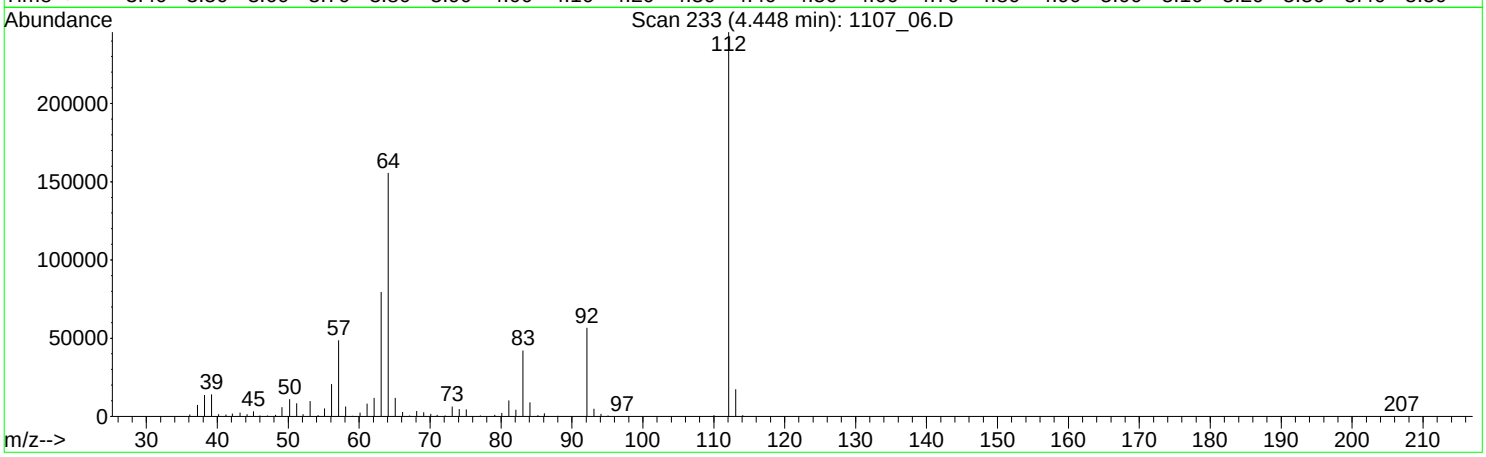
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(4) 2-Fluorophenol (S)
4.45min (+0.000) 8.3722861 ppb m

response 252384

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	63.37
92.00	22.80	23.04
83.00	17.30	17.16

1107_06.D S810K04K.M Tue Nov 08 11:50:49 2011

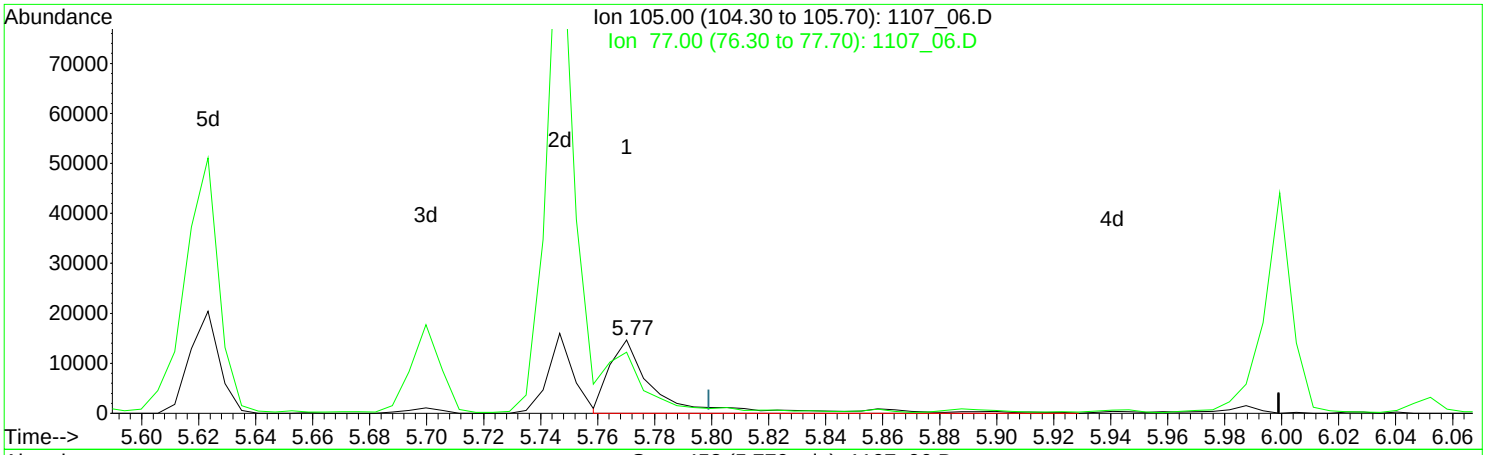
Quantitation Report (Qedit)

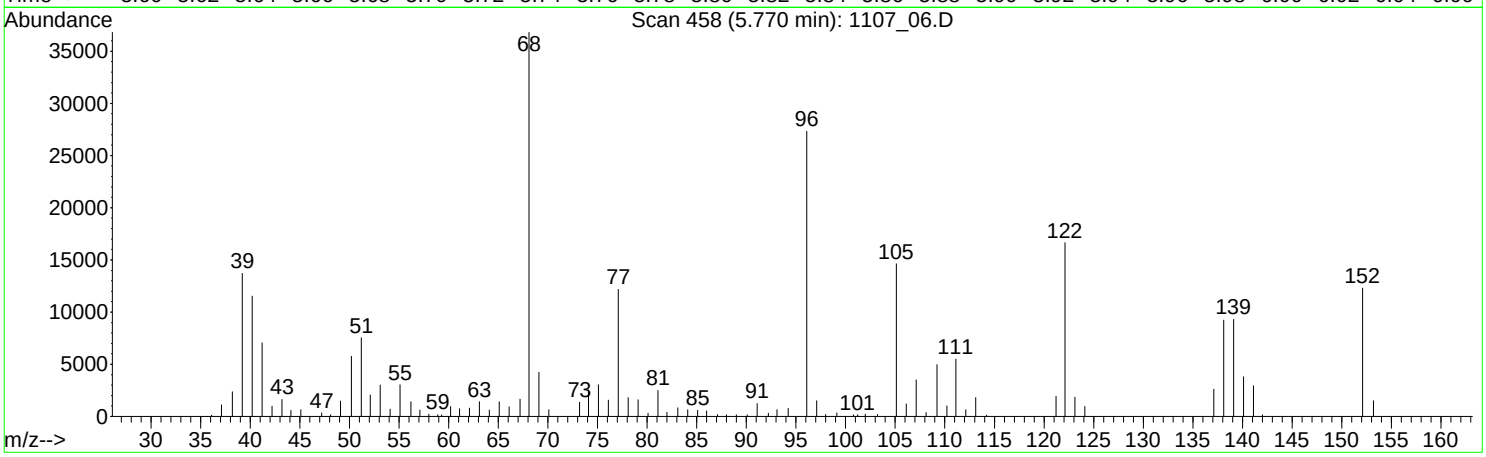
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Single Level Calibration





TIC: 1107_06.D

(30) Benzoic Acid (MT)
5.77min (-0.029) 2.2937824 ppb
Qvalue = 18
response 17438

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

1107_06.D S810K04K.M Tue Nov 08 11:50:56 2011

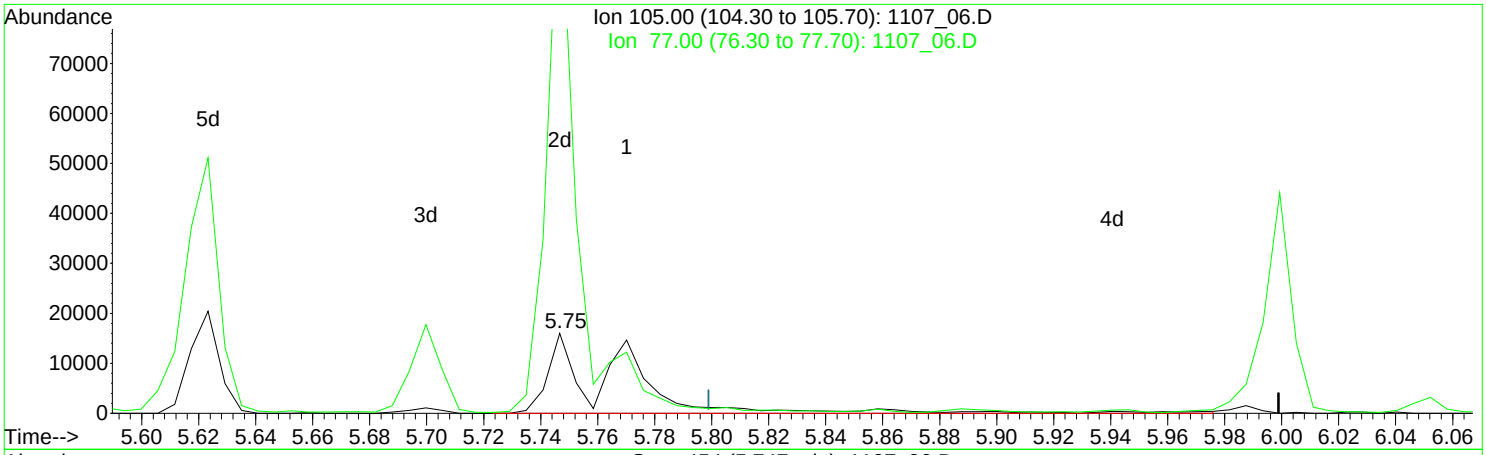
Quantitation Report (Qedit)

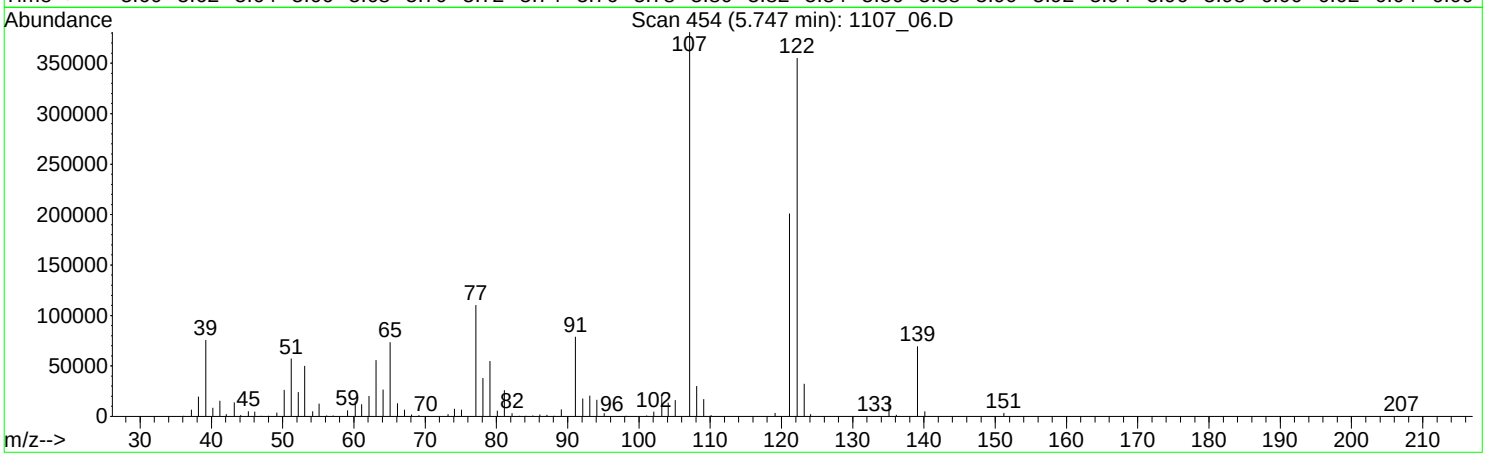
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Single Level Calibration





TIC: 1107_06.D

(30) Benzoic Acid (MT)
5.75min (-0.052) 3.0104417 ppb m

response 28282

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

1107_06.D S810K04K.M Tue Nov 08 11:50:59 2011

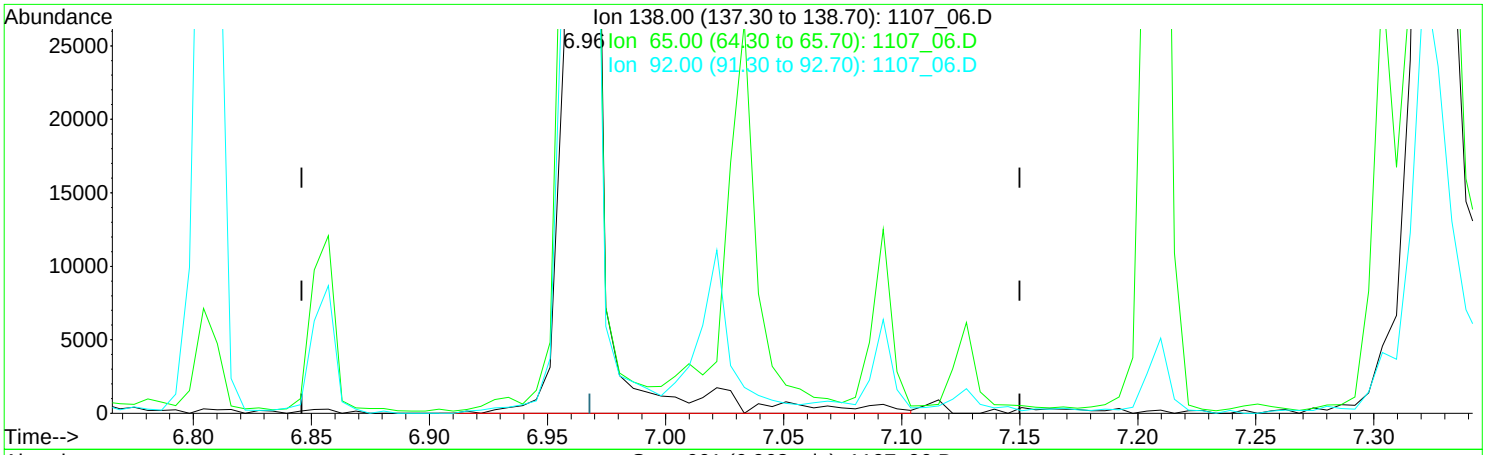
Quantitation Report (Qedit)

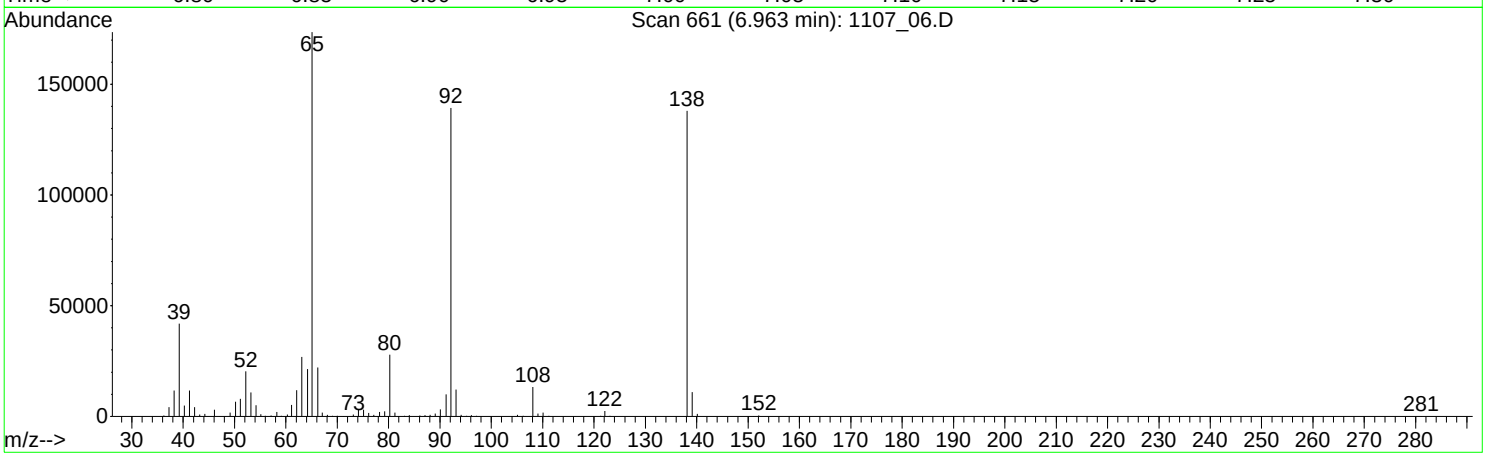
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(51) 3-Nitroaniline (MT)
6.96min (-0.005) 11.9436915 ppb
Qvalue = 93
response 93832

Ion	Exp%	Act%
138.00	100	100
65.00	114.70	125.73
92.00	98.30	100.97
0.00	0.00	0.00

1107_06.D S810K04K.M Tue Nov 08 11:51:08 2011

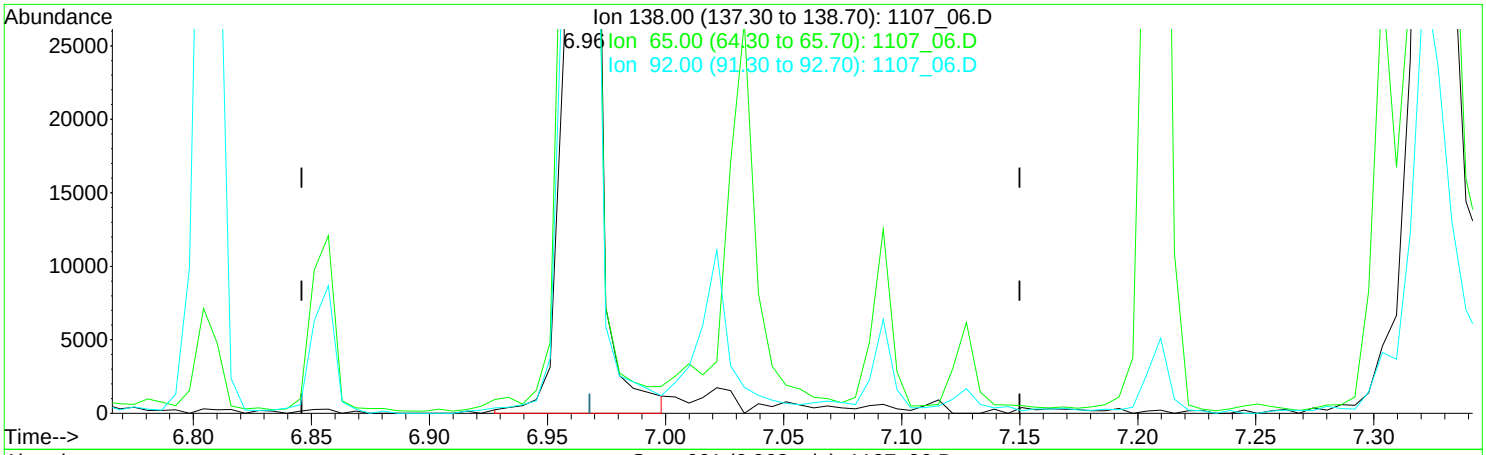
Quantitation Report (Qedit)

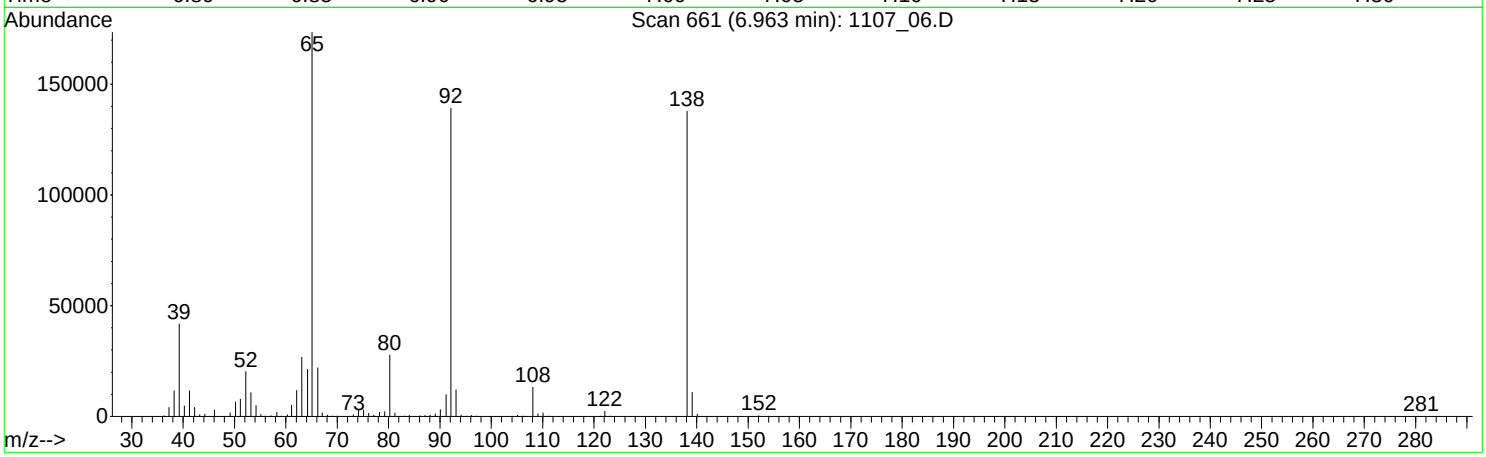
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(51) 3-Nitroaniline (MT)
6.96min (-0.005) 11.3973713 ppb m

response 89540

Ion	Exp%	Act%
138.00	100	100
65.00	114.70	125.73
92.00	98.30	100.97
0.00	0.00	0.00

1107_06.D S810K04K.M Tue Nov 08 11:51:14 2011

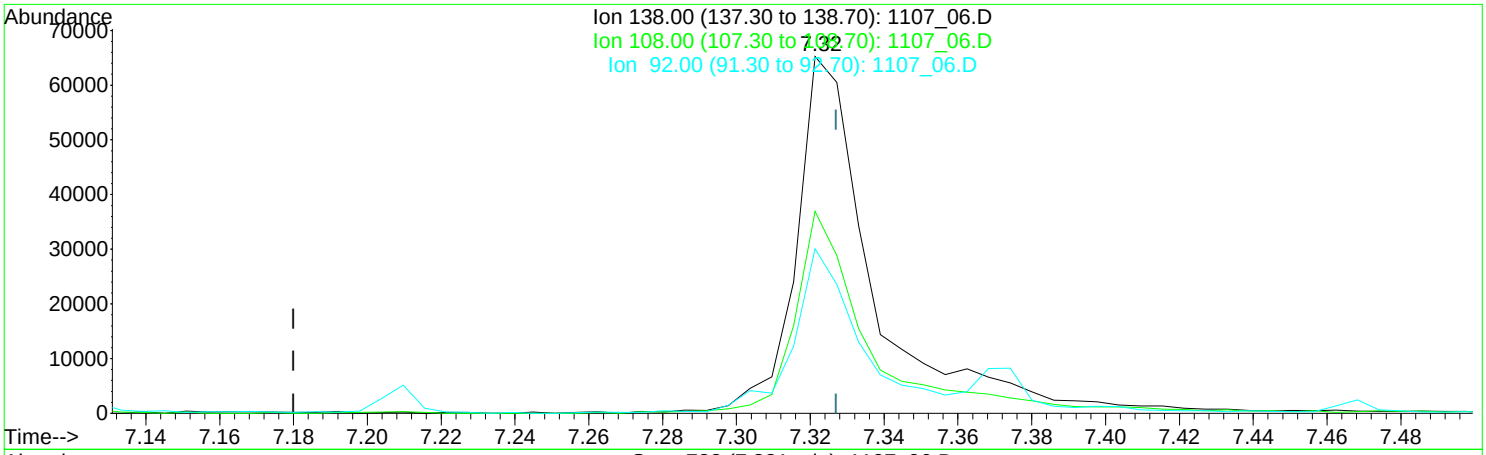
Quantitation Report (Qedit)

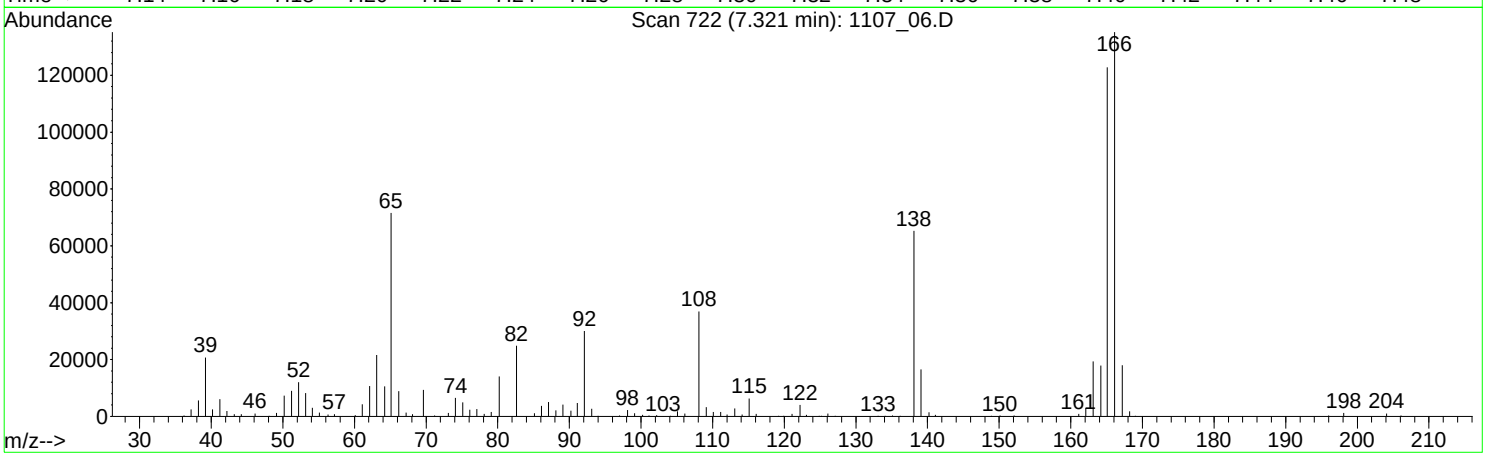
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(61) 4-Nitroaniline (MT)
7.32min (-0.006) 15.6265177 ppb
Qvalue = 91
response 100526

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	53.74
92.00	38.30	49.65#
0.00	0.00	0.00

1107_06.D S810K04K.M Tue Nov 08 11:51:19 2011

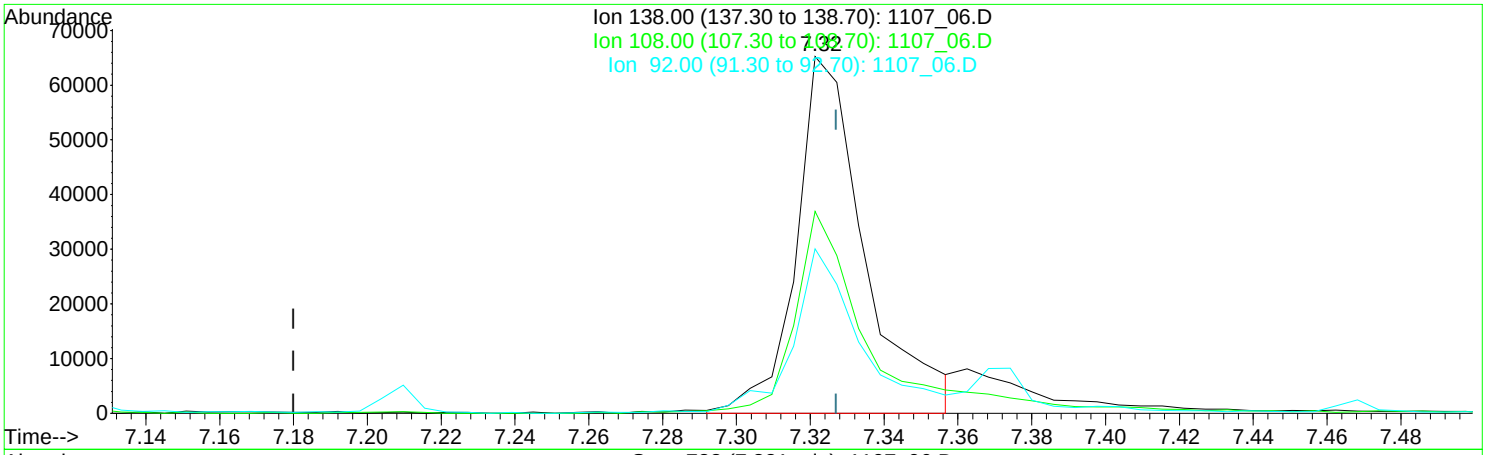
Quantitation Report (Qedit)

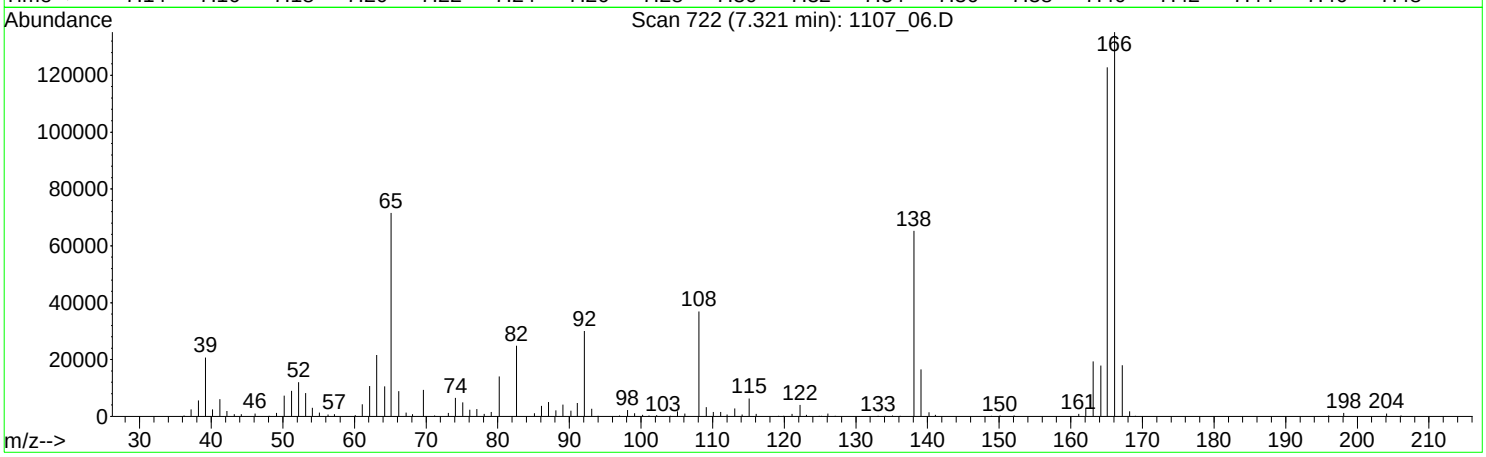
Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)

Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_06.D

(61) 4-Nitroaniline (MT)
7.32min (-0.006) 12.3490972 ppb m

response 84299

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	64.08#
92.00	38.30	59.21#
0.00	0.00	0.00

1107_06.D S810K04K.M Tue Nov 08 11:51:23 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377
Sample : LCSD 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:51 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	180450	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	695090	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	375164	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	606253	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	409006	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	436794	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.45	112	252384m	8.3722861 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 41.86%		
7) Phenol-d5	4.99	99	194274	6.1809857 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 30.90%		
23) Nitrobenzene-d5	5.56	82	269079	8.8227890 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 88.23%		
44) 2-Fluorobiphenyl	6.59	172	567626	9.4965744 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 94.97%		
67) 2,4,6-Tribromophenol	7.47	330	129527	19.7350313 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 98.68%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 103.85%		

Target Compounds					Qvalue
2) Pyridine	3.54	79	118242m	3.7359356 ppb	
3) N-Nitrosodimethylamine	3.51	42	74666m	4.9113000 ppb	
5) Aniline	5.04	93	217196	6.7349409 ppb	99
6) bis(2-Chloroethyl)ether	5.07	93	307741	8.2947494 ppb	99
8) Phenol	5.00	94	106094	2.7623819 ppb	97
9) Benzaldehyde	4.98	105	124587	5.2165514 ppb	98
10) 2-Chlorophenol	5.12	128	240317	7.5349023 ppb	97
11) n-Decane	5.11	41	116565	7.4320273 ppb	99
12) 1,3-Dichlorobenzene	5.21	146	278053	7.8374274 ppb	95
13) 1,4-Dichlorobenzene	5.25	146	282057	7.9836331 ppb	99
14) Benzyl Alcohol	5.30	79	142804	6.5889968 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	281606	8.4170565 ppb	98
16) bis(2-Chloroisopropyl)ethe	5.38	121	94858	8.8909184 ppb	97
17) 2-Methylphenol	5.35	108	188320	6.7166038 ppb	96
18) Hexachloroethane	5.54	117	100961	7.7105790 ppb	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377
Sample : LCSD 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:51 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	183901	9.1475212	ppb		97
20)	3&4-Methyl phenol	5.44	107	203269	6.4940710	ppb		90
21)	Acetophenone	5.46	105	360589	9.6547962	ppb		99
24)	Nitrobenzene	5.57	77	253311	8.9147864	ppb		98
25)	Isophorone	5.70	82	418819	7.6408350	ppb		99
26)	2-Nitrophenol	5.75	139	145930	9.2315858	ppb		93
27)	2,4-Dimethylphenol	5.75	107	238865	9.5125705	ppb		98
28)	bis(2-Chlorethoxy)methane	5.80	93	315117	9.0966220	ppb		93
29)	2,4-Dichlorophenol	5.89	162	217417	8.9035226	ppb		96
30)	Benzoic Acid	5.75	105	28282m	3.0104417	ppb		
31)	1,2,4-Trichlorobenzene	5.95	180	249436	8.1347992	ppb		98
32)	Naphthalene	6.00	128	831940	9.1557352	ppb		99
33)	4-Chloroaniline	6.01	65	68068	7.9967689	ppb		95
34)	Hexachloro-1,3-butadiene	6.05	225	128417	8.7107331	ppb		99
35)	Caprolactam	6.20	113	17551	1.9103515	ppb		97
36)	4-Chloro-3-methylphenol	6.26	107	208120	8.5142311	ppb		92
37)	2-Methylnaphthalene	6.39	142	537215	9.5079204	ppb		100
38)	1-Methylnaphthalene	6.46	142	529754	9.2448901	ppb		99
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	233531	9.1603357	ppb		99
41)	Hexachlorocyclopentadiene	6.48	237	95371	9.0610244	ppb		98
42)	2,4,6-Trichlorophenol	6.55	196	153926	9.3218987	ppb		95
43)	2,4,5-Trichlorophenol	6.58	196	157638	9.3020586	ppb		99
45)	Biphenyl	6.66	154	673846	9.7406708	ppb		100
46)	2-Chloronaphthalene	6.69	162	497646	9.2960827	ppb		97
47)	2-Nitroaniline	6.73	138	160301	9.7480483	ppb		99
48)	Acenaphthylene	6.93	152	842753	10.4374389	ppb		99
49)	Dimethyl phthalate	6.81	163	482207	8.0439317	ppb		94
50)	2,6-Dinitrotoluene	6.86	165	138408	10.1741558	ppb		84
51)	3-Nitroaniline	6.96	138	89540m	11.3973713	ppb		
52)	Acenaphthene	7.03	153	531168	9.9883021	ppb		99
53)	2,4-Dinitrophenol	7.02	184	29594	6.7090521	ppb	#	16
54)	Dibenzofuran	7.13	168	695543	9.6041870	ppb		100
55)	2,4-Dinitrotoluene	7.09	165	159037	9.1504025	ppb		87
56)	2,3,4,6-Tetrachlorophenol	7.19	232	1281	0.1219367	ppb		89
57)	4-Nitrophenol	7.03	139	24841	2.7027727	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377
Sample : LCSD 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:51 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.30	204	279360	9.6684724 ppb		93
60)	Diethyl phthalate	7.21	149	534601	9.2404852 ppb		99
61)	4-Nitroaniline	7.32	138	84299m	12.3490972 ppb		
62)	Azobenzene	7.40	77	496465	9.0343083 ppb		99
63)	Atrazine	7.66	200	172535	10.2719321 ppb		99
65)	4,6-Dinitro-2-methylphenol	7.33	198	55915	7.9308753 ppb	#	75
66)	N-Nitrosodiphenylamine	7.37	169	471001	10.0161331 ppb		99
68)	4-Bromophenyl-phenylether	7.60	248	164996	10.0189120 ppb	#	84
69)	Hexachlorobenzene	7.66	284	161029	9.0458187 ppb		99
70)	n-octadecane	7.73	55	99883	9.9153590 ppb		97
71)	Pentachlorophenol	7.76	266	71902	7.3272489 ppb		97
72)	Phenanthrene	7.90	178	828576	10.0048676 ppb		98
73)	Anthracene	7.93	178	797704	10.1168853 ppb		99
74)	Carbazole	8.01	167	590125	9.0152561 ppb		99
75)	Di-n-butyl phthalate	8.16	149	997004	10.0339537 ppb		99
76)	2-nitrodiphenylamine	8.28	167	177483	10.7088612 ppb		99
77)	Fluoranthene	8.63	202	834019	9.9891390 ppb		100
79)	Benzidine	8.68	184	54995	1.7167575 ppb		99
80)	Pyrene	8.80	202	828343	10.0991883 ppb		99
82)	Benzylbutyl phthalate	9.22	149	364568	9.2416596 ppb		100
83)	3,3-Dichlorobenzidine	9.82	252	147879	10.4534807 ppb		99
84)	Benzo(a)anthracene	9.89	228	569891	9.6462863 ppb		98
85)	Chrysene	9.94	228	529280	9.6278221 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	609716	10.3022506 ppb		99
87)	Di-n-octyl phthalate	10.65	149	904477	9.8182407 ppb		99
89)	Benzo(b)fluoranthene	11.43	252	571952	9.4901034 ppb		99
90)	Benzo(k)fluoranthene	11.48	252	525386	9.6515916 ppb		95
91)	Benzo(a)pyrene	12.01	252	522383	9.3937742 ppb		99
92)	Indeno(1,2,3-cd)pyrene	13.79	276	696614	9.9940994 ppb		96
93)	Dibenz(a,h)anthracene	13.82	278	619127	10.3258396 ppb		98

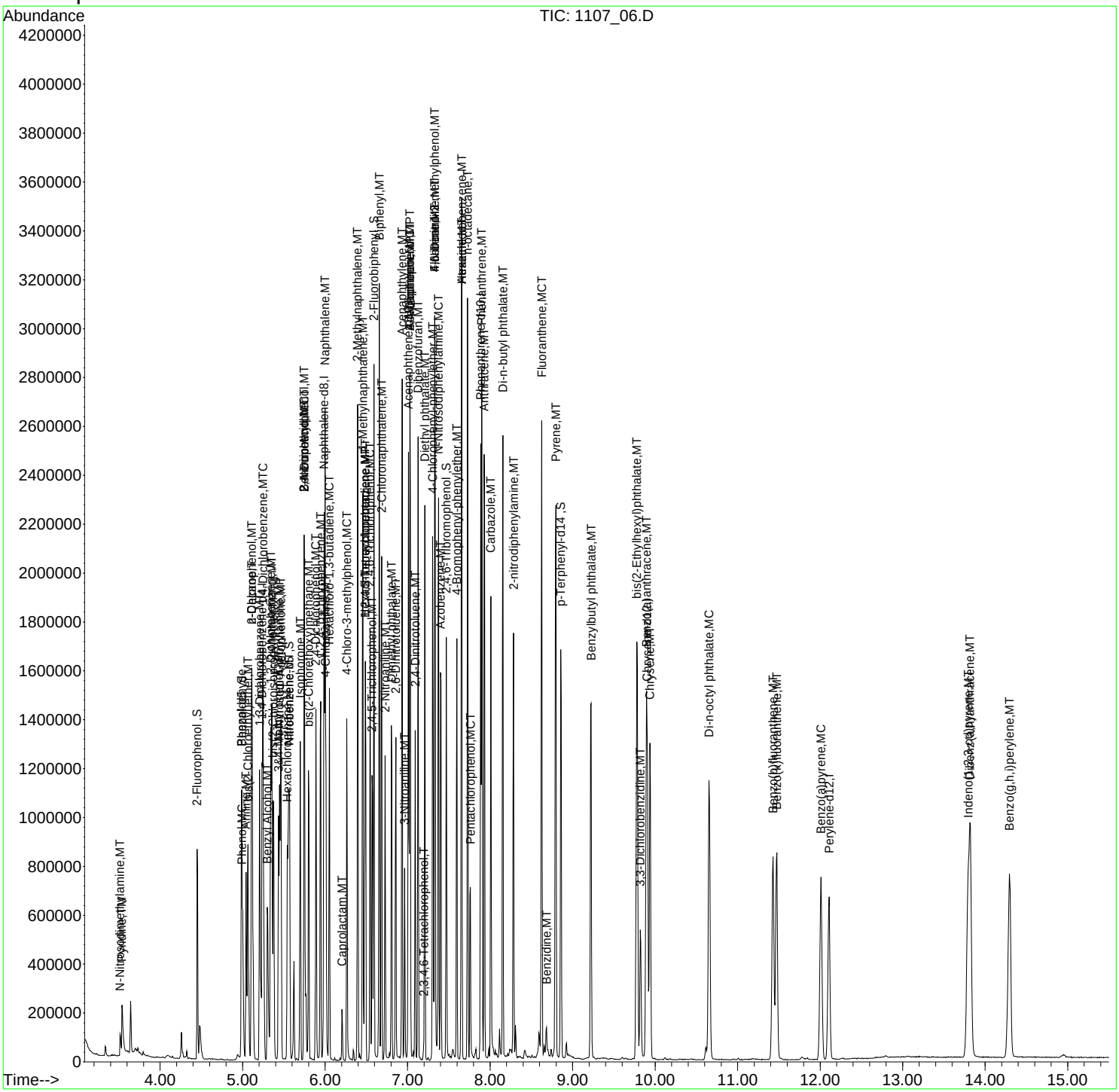
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_06.D Vial: 5
Acq On : 7 Nov 2011 9:50 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:51 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_07.D Vial: 6
Acq On : 7 Nov 2011 10:10 am Operator: 377
Sample : BLANK 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:54 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	214461	8000.00	ppb	0.00
22) Naphthalene-d8	5.99	136	830374	8000.00	ppb	0.00
40) Acenaphthene-d10	7.01	164	460919	8000.00	ppb	0.00
64) Phenanthrene-d10	7.89	188	688961	8000.00	ppb	0.00
78) Chrysene-d12	9.91	240	479908	8000.00	ppb	0.00
88) Perylene-d12	12.11	264	483797	8000.00	ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	197500	5.5126180	ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 27.56%			
7) Phenol-d5	4.99	99	192249	5.1465442	ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 25.73%			
23) Nitrobenzene-d5	5.56	82	274556	7.5357126	ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 75.36%			
44) 2-Fluorobiphenyl	6.59	172	652393	8.8840406	ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 88.84%			
67) 2,4,6-Tribromophenol	7.47	330	118163	15.8423019	ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 79.21%			
Spiked Amount 10.000	Range 40 - 174		Recovery = 91.83%			

Target Compounds				Qvalue
2) Pyridine	3.67	79	57	N.D.
3) N-Nitrosodimethylamine	3.64	42	628	N.D.
5) Aniline	0.00	93	0	N.D.
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.
8) Phenol	5.00	94	407	N.D.
9) Benzaldehyde	4.99	105	991	N.D.
10) 2-Chlorophenol	5.11	128	65	N.D.
11) n-Decane	5.11	41	7187	N.D.
12) 1,3-Dichlorobenzene	5.21	146	161	N.D.
13) 1,4-Dichlorobenzene	5.25	146	269	N.D.
14) Benzyl Alcohol	5.32	79	242	N.D.
15) 1,2-Dichlorobenzene	5.34	146	236	N.D.
16) bis(2-Chloroisopropyl)ethe	5.46	121	54	N.D.
17) 2-Methylphenol	5.36	108	57	N.D.
18) Hexachloroethane	0.00	117	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_07.D Vial: 6
Acq On : 7 Nov 2011 10:10 am Operator: 377
Sample : BLANK 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:54 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19) N-Nitrosodi-n-propylamine	5.46	70	247	N.D.	
20) 3&4-Methyl phenol	5.45	107	124	N.D.	
21) Acetophenone	5.46	105	4357	N.D.	
24) Nitrobenzene	5.56	77	1437	N.D.	
25) Isophorone	5.70	82	1189	N.D.	
26) 2-Nitrophenol	5.99	139	82	N.D.	
27) 2,4-Dimethylphenol	5.99	107	5096	N.D.	
28) bis(2-Chlorethoxy)methane	5.71	93	59	N.D.	
29) 2,4-Dichlorophenol	0.00	162	0	N.D.	
30) Benzoic Acid	5.80	105	58	1.1297214 ppb #	18
32) Naphthalene	6.00	128	666	N.D.	
33) 4-Chloroaniline	5.99	65	229	N.D.	
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35) Caprolactam	6.20	113	76	N.D.	
36) 4-Chloro-3-methylphenol	5.99	107	3678	N.D.	
37) 2-Methylnaphthalene	6.40	142	185	N.D.	
38) 1-Methylnaphthalene	6.46	142	64	N.D.	
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45) Biphenyl	6.66	154	1178	N.D.	
46) 2-Chloronaphthalene	6.69	162	81	N.D.	
47) 2-Nitroaniline	6.59	138	64	N.D.	
48) Acenaphthylene	6.93	152	61	N.D.	
49) Dimethyl phthalate	6.90	163	295	N.D.	
50) 2,6-Dinitrotoluene	6.82	165	55	N.D.	
51) 3-Nitroaniline	7.01	138	62	N.D.	
52) Acenaphthene	7.03	153	69	N.D.	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	7.13	168	123	N.D.	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57) 4-Nitrophenol	7.13	139	63	N.D.	
58) Fluorene	7.47	166	8372	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_07.D Vial: 6
Acq On : 7 Nov 2011 10:10 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:54 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.21	149	326	N.D.	
61)	4-Nitroaniline	7.49	138	97	Below Cal #	1
62)	Azobenzene	7.40	77	414	N.D.	
63)	Atrazine	7.54	200	492	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.47	169	4184	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.73	55	1028	N.D.	
71)	Pentachlorophenol	0.00	266	0	N.D.	
72)	Phenanthrene	7.93	178	217	N.D.	
73)	Anthracene	7.93	178	217	N.D.	
74)	Carbazole	8.01	167	182	N.D.	
75)	Di-n-butyl phthalate	8.16	149	25125	N.D.	
76)	2-nitrodiphenylamine	8.25	167	77	N.D.	
77)	Fluoranthene	8.63	202	84	N.D.	
79)	Benzidine	8.68	184	297	N.D.	
80)	Pyrene	8.80	202	241	N.D.	
82)	Benzylbutyl phthalate	9.22	149	288	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	9.91	228	874	N.D.	
85)	Chrysene	9.91	228	874	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	6471	N.D.	
87)	Di-n-octyl phthalate	10.65	149	433	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.01	252	71	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

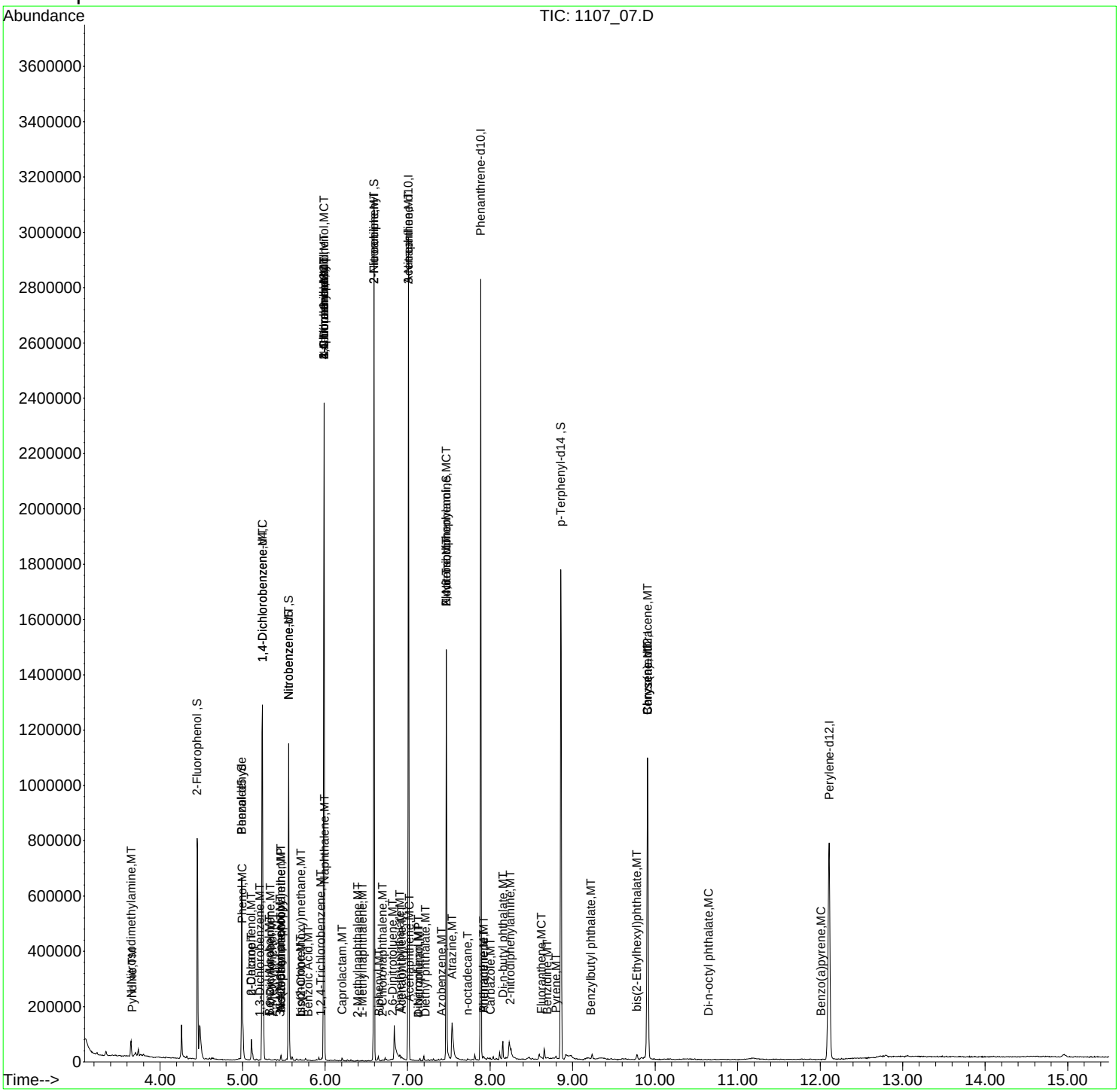
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_07.D Vial: 6
Acq On : 7 Nov 2011 10:10 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:54 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_07.D Vial: 6
Acq On : 7 Nov 2011 10:10 am Operator: 377
Sample : BLANK 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:54 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	214461	8000.00	ppb	0.00
22) Naphthalene-d8	5.99	136	830374	8000.00	ppb	0.00
40) Acenaphthene-d10	7.01	164	460919	8000.00	ppb	0.00
64) Phenanthrene-d10	7.89	188	688961	8000.00	ppb	0.00
78) Chrysene-d12	9.91	240	479908	8000.00	ppb	0.00
88) Perylene-d12	12.11	264	483797	8000.00	ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	197500	5.5126180	ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 27.56%			
7) Phenol-d5	4.99	99	192249	5.1465442	ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 25.73%			
23) Nitrobenzene-d5	5.56	82	274556	7.5357126	ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 75.36%			
44) 2-Fluorobiphenyl	6.59	172	652393	8.8840406	ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 88.84%			
67) 2,4,6-Tribromophenol	7.47	330	118163	15.8423019	ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 79.21%			
Spiked Amount 10.000	Range 40 - 174		Recovery = 91.83%			

Target Compounds				Qvalue
2) Pyridine	3.67	79	57	N.D.
3) N-Nitrosodimethylamine	3.64	42	628	N.D.
5) Aniline	0.00	93	0	N.D.
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.
8) Phenol	5.00	94	407	N.D.
9) Benzaldehyde	4.99	105	991	N.D.
10) 2-Chlorophenol	5.11	128	65	N.D.
11) n-Decane	5.11	41	7187	N.D.
12) 1,3-Dichlorobenzene	5.21	146	161	N.D.
13) 1,4-Dichlorobenzene	5.25	146	269	N.D.
14) Benzyl Alcohol	5.32	79	242	N.D.
15) 1,2-Dichlorobenzene	5.34	146	236	N.D.
16) bis(2-Chloroisopropyl)ethe	5.46	121	54	N.D.
17) 2-Methylphenol	5.36	108	57	N.D.
18) Hexachloroethane	0.00	117	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_07.D Vial: 6
Acq On : 7 Nov 2011 10:10 am Operator: 377
Sample : BLANK 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:54 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.46	70	247	N.D.	
20)	3&4-Methyl phenol	5.45	107	124	N.D.	
21)	Acetophenone	5.46	105	4357	N.D.	
24)	Nitrobenzene	5.56	77	1437	N.D.	
25)	Isophorone	5.70	82	1189	N.D.	
26)	2-Nitrophenol	5.99	139	82	N.D.	
27)	2,4-Dimethylphenol	5.99	107	5096	N.D.	
28)	bis(2-Chlorethoxy)methane	5.71	93	59	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	0.00	105	0	N.D.	d
31)	1,2,4-Trichlorobenzene	5.95	180	213	N.D.	
32)	Naphthalene	6.00	128	666	N.D.	
33)	4-Chloroaniline	5.99	65	229	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.20	113	76	N.D.	
36)	4-Chloro-3-methylphenol	5.99	107	3678	N.D.	
37)	2-Methylnaphthalene	6.40	142	185	N.D.	
38)	1-Methylnaphthalene	6.46	142	64	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.66	154	1178	N.D.	
46)	2-Chloronaphthalene	6.69	162	81	N.D.	
47)	2-Nitroaniline	6.59	138	64	N.D.	
48)	Acenaphthylene	6.93	152	61	N.D.	
49)	Dimethyl phthalate	6.90	163	295	N.D.	
50)	2,6-Dinitrotoluene	6.82	165	55	N.D.	
51)	3-Nitroaniline	7.01	138	62	N.D.	
52)	Acenaphthene	7.03	153	69	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	7.13	168	123	N.D.	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	7.13	139	63	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_07.D Vial: 6
Acq On : 7 Nov 2011 10:10 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:54 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.21	149	326	N.D.	
61)	4-Nitroaniline	7.49	138	97	Below Cal	# 1
62)	Azobenzene	7.40	77	414	N.D.	
63)	Atrazine	7.54	200	492	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.47	169	4184	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.73	55	1028	N.D.	
71)	Pentachlorophenol	0.00	266	0	N.D.	
72)	Phenanthrene	7.93	178	217	N.D.	
73)	Anthracene	7.93	178	217	N.D.	
74)	Carbazole	8.01	167	182	N.D.	
75)	Di-n-butyl phthalate	8.16	149	25125	N.D.	
76)	2-nitrodiphenylamine	8.25	167	77	N.D.	
77)	Fluoranthene	8.63	202	84	N.D.	
79)	Benzidine	8.68	184	297	N.D.	
80)	Pyrene	8.80	202	241	N.D.	
82)	Benzylbutyl phthalate	9.22	149	288	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	9.91	228	874	N.D.	
85)	Chrysene	9.91	228	874	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	6471	N.D.	
87)	Di-n-octyl phthalate	10.65	149	433	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.01	252	71	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

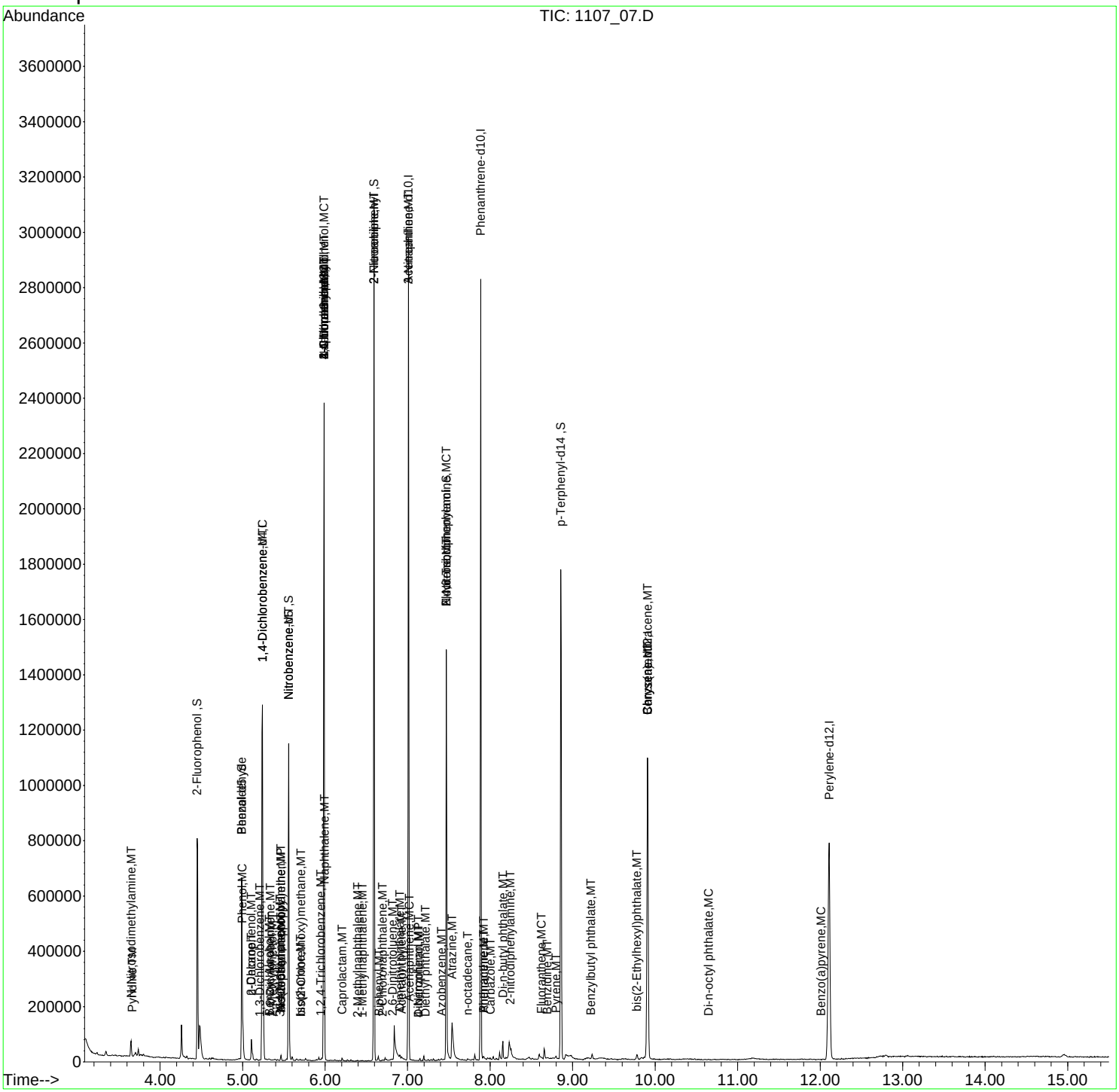
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_07.D Vial: 6
Acq On : 7 Nov 2011 10:10 am Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 11:54 2011 Quant Results File: S810K04K.RES

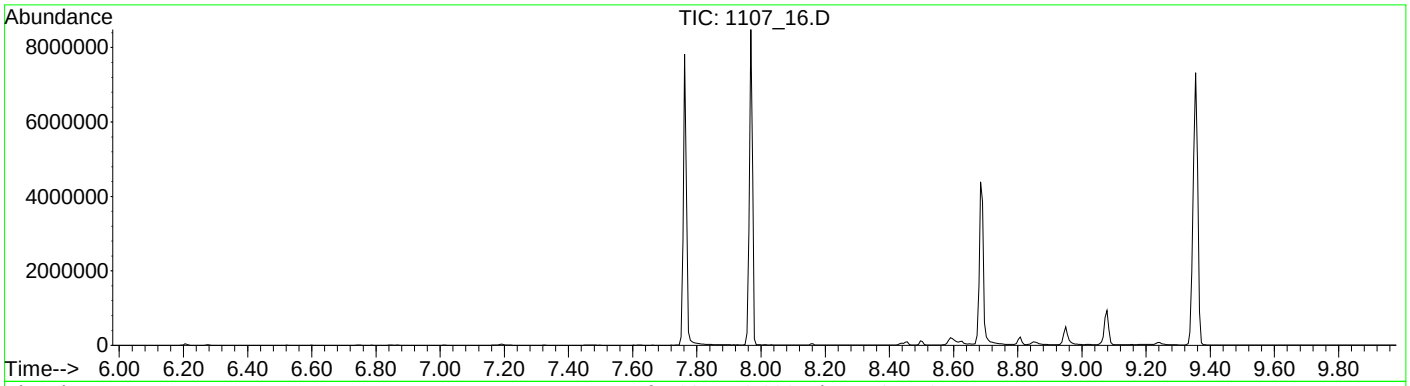
Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration

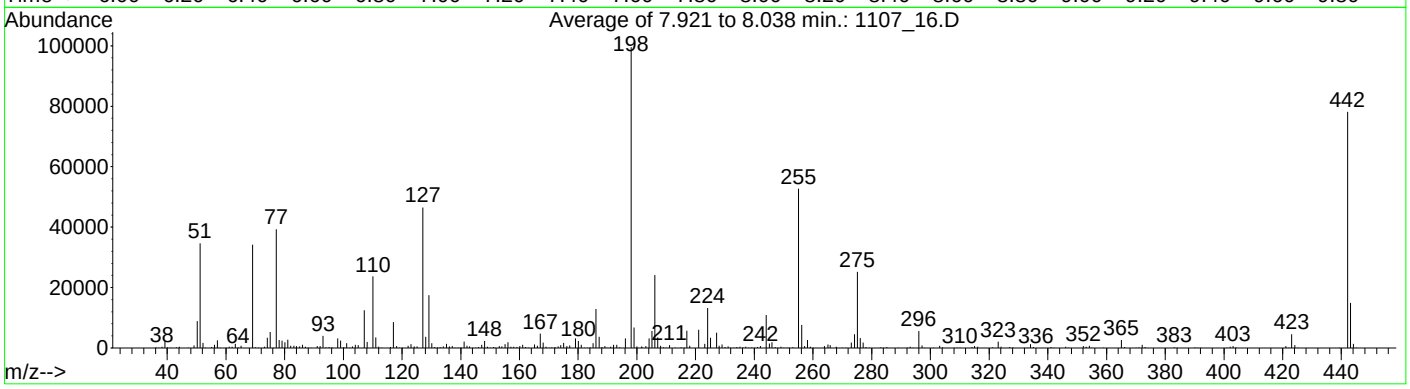


DFTPP

Data File : C:\MSDCHEM\1\DATA\110711\1107_16.D Vial: 1
Acq On : 7 Nov 2011 1:19 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNEC.M (RTE Integrator)
Title : 8270 BNA





Spectrum Information: Average of 7.921 to 8.038 min.

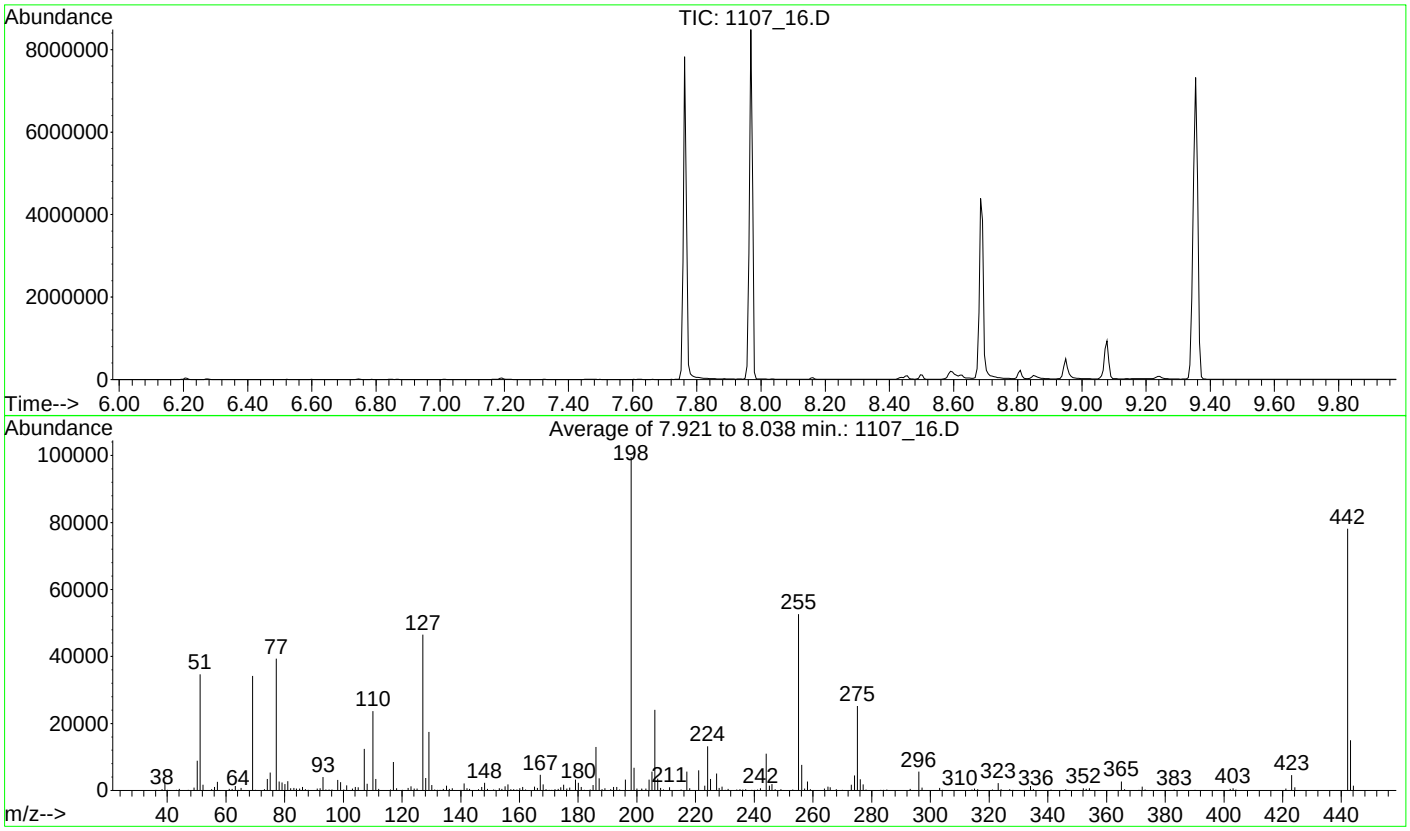
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.8	34645	PASS
68	69	0.00	2	0.0	7	PASS
69	198	0.00	100	34.4	34212	PASS
70	69	0.00	2	0.5	183	PASS
127	198	40	60	46.7	46531	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	99537	PASS
199	198	5	9	6.8	6762	PASS
275	198	10	30	25.3	25197	PASS
365	198	1	100	2.7	2700	PASS
441	443	0.01	100	0.1	12	PASS
442	198	40	100	78.5	78121	PASS
443	442	17	23	19.2	14964	PASS

1107_16.D TUNEC.M Tue Nov 08 12:09:29 2011

DFTPP

Data File : C:\MSDCHEM\1\DATA\110711\1107_16.D Vial: 1
Acq On : 7 Nov 2011 1:19 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA



Spectrum Information: Average of 7.921 to 8.038 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.8	34645	PASS
68	69	0.00	2	0.0	7	PASS
70	69	0.00	2	0.5	183	PASS
127	198	10	80	46.7	46531	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	99537	PASS
199	198	5	9	6.8	6762	PASS
275	198	10	60	25.3	25197	PASS
365	198	1	100	2.7	2700	PASS
441	442	0.01	24	0.0	12	PASS
442	198	50	100	78.5	78121	PASS
443	442	15	24	19.2	14964	PASS

1107_16.D TUNED.M Tue Nov 08 12:09:36 2011

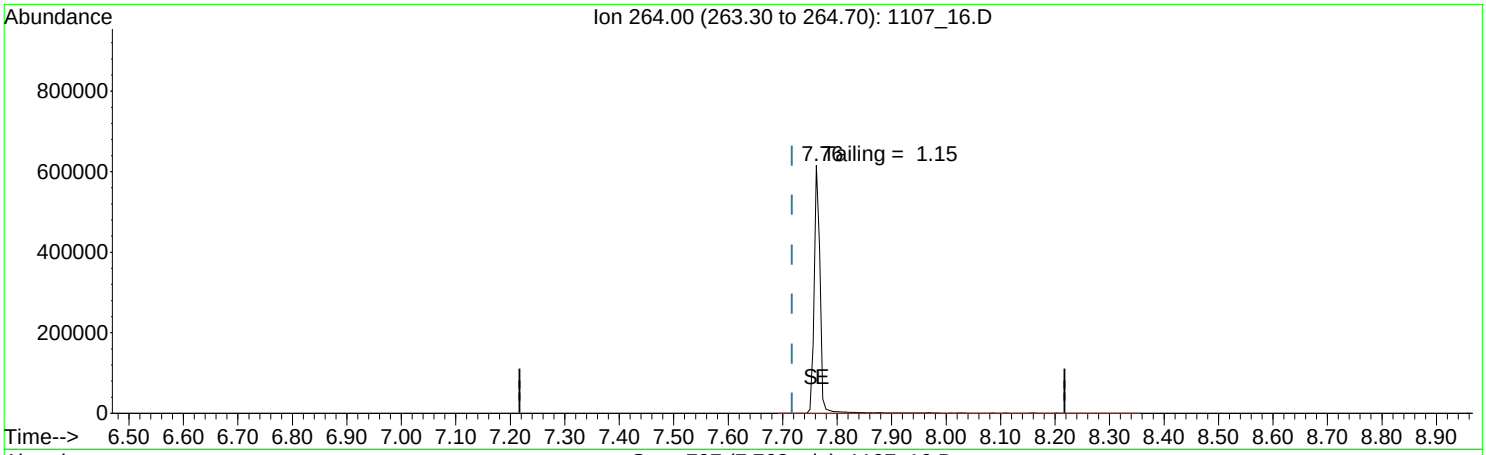
Quantitation Report (Qedit)

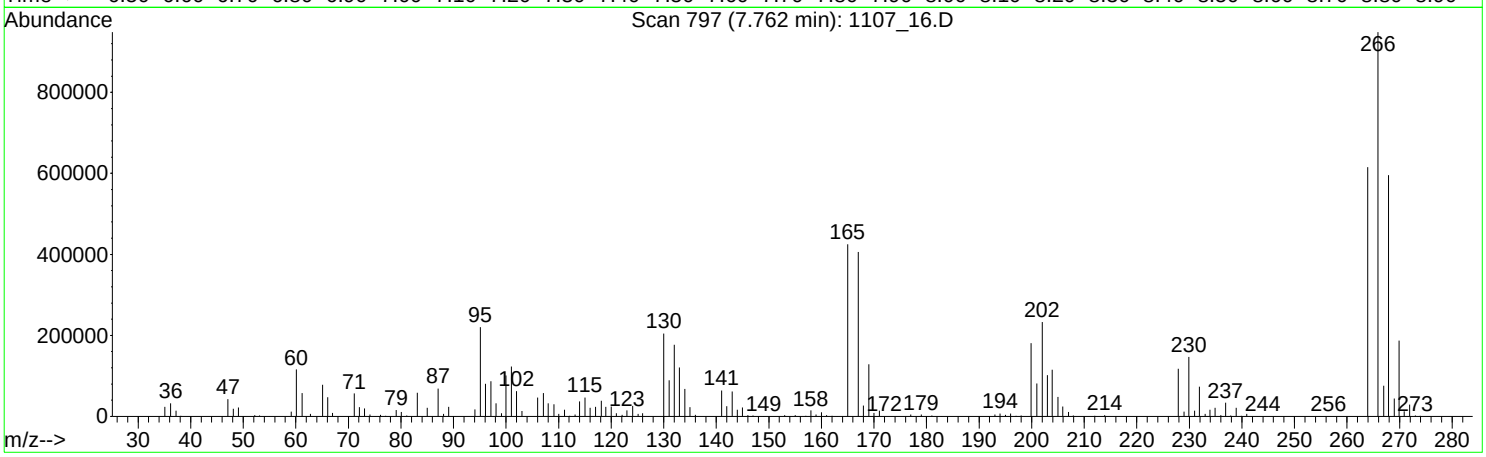
Data File : C:\MSDCHEM\1\DATA\110711\1107_16.D Vial: 1
Acq On : 7 Nov 2011 1:19 pm Operator: 377

MS Integration Params: RTEINT.P
Quant Time: Nov 7 13:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)

Last Update : Tue May 24 10:41:42 2011
Response via : Single Level Calibration





TIC: 1107_16.D

(1) Pentachlorophenol (TM)

7.76min (+0.045) 78.4846896 ug/mL

Qvalue = 100

response 457977

Ion	Exp%	Act%
264.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

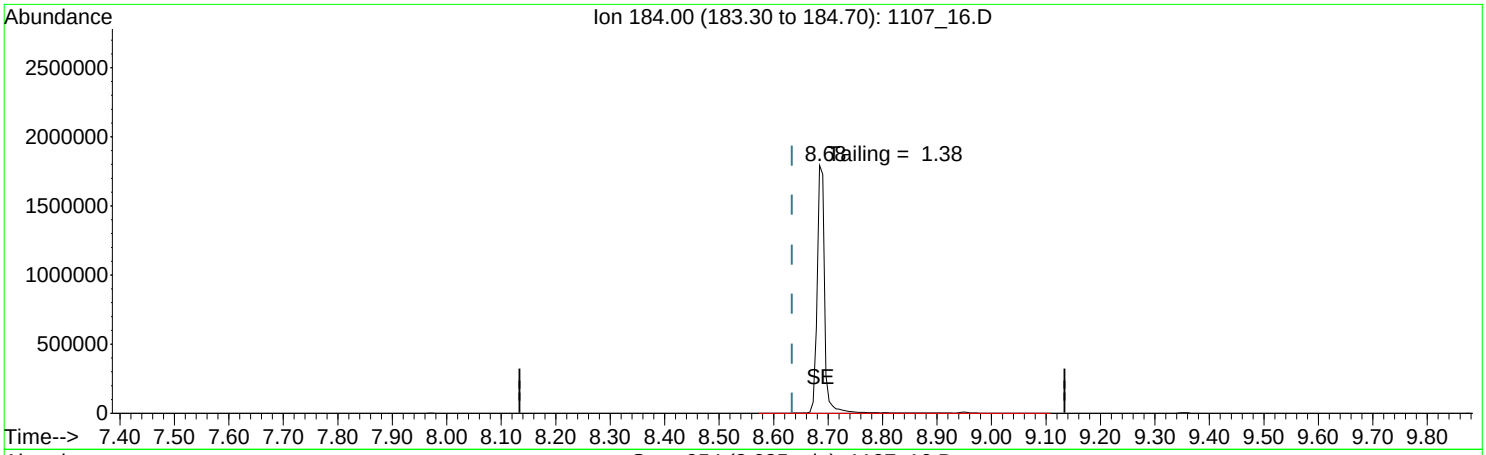
Quantitation Report (Qedit)

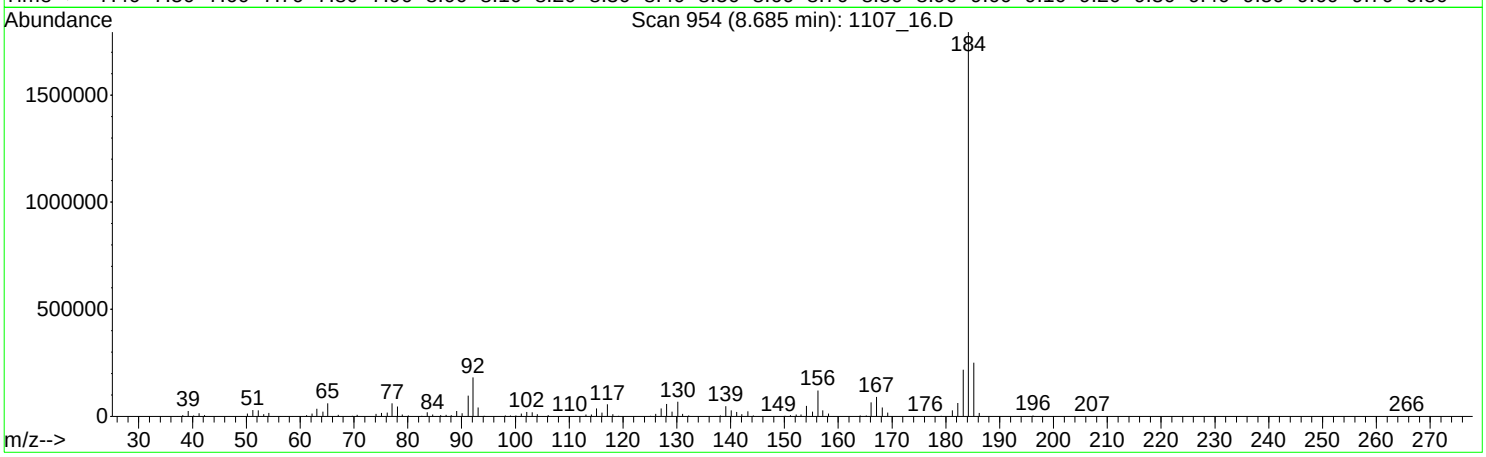
Data File : C:\MSDCHEM\1\DATA\110711\1107_16.D Vial: 1
Acq On : 7 Nov 2011 1:19 pm Operator: 377

MS Integration Params: RTEINT.P
Quant Time: Nov 7 13:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)

Last Update : Tue May 24 10:41:42 2011
Response via : Single Level Calibration





TIC: 1107_16.D

(3) Benzidine (MT)
8.68min (+0.050) 71.0605192 ug/mL
Qvalue = 100
response 1705569

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1107_16.D TUNED.M Tue Nov 08 12:09:52 2011

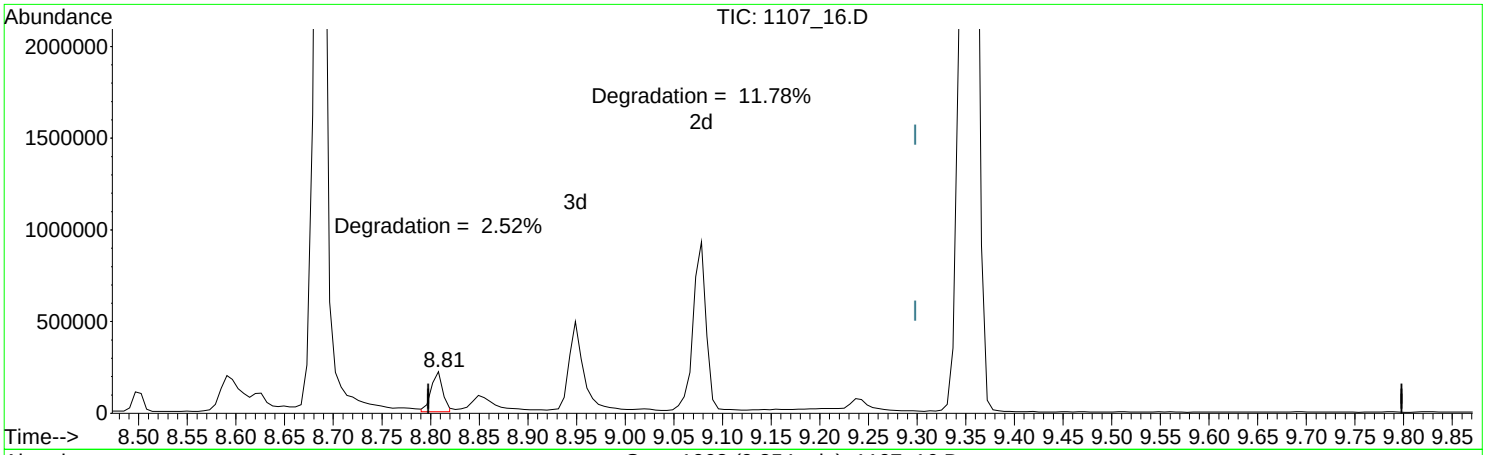
Quantitation Report (Qedit)

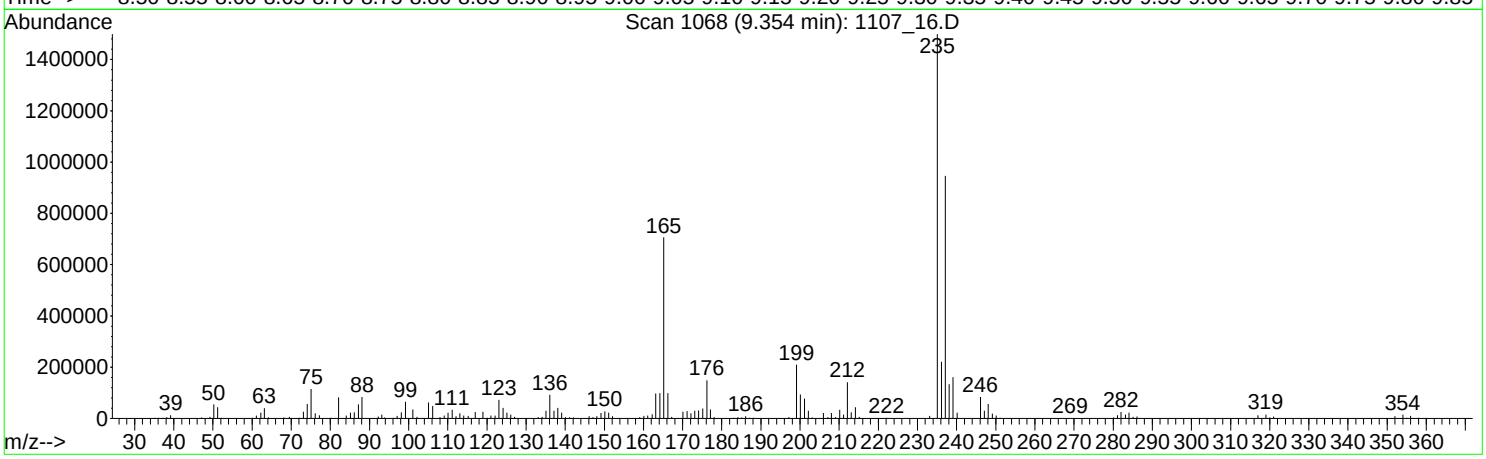
Data File : C:\MSDCHEM\1\DATA\110711\1107_16.D Vial: 1
Acq On : 7 Nov 2011 1:19 pm Operator: 377

MS Integration Params: RTEINT.P
Quant Time: Nov 7 13:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)

Last Update : Tue May 24 10:41:42 2011
Response via : Single Level Calibration





TIC: 1107_16.D

(4) DDT (MT)

9.35min (+0.056) 539.5915049 ug/ml

Qvalue = 100

response 7260862

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1107_16.D TUNED.M Tue Nov 08 12:10:30 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_16.D Vial: 1
Acq On : 7 Nov 2011 1:19 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 13:54 2011 Quant Results File: TUNED.RES

Quant Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA
Last Update : Tue May 24 10:41:42 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) Pentachlorophenol	7.76	264	457977	78.4846896	ug/mL	100
2) DFTPP	7.97	198	735690	99.4328856	ug/mL	100
3) Benzidine	8.68	184	1705569	71.0605192	ug/mL	100
4) DDT	9.35	TIC	7260862	539.5915049	ug/ml	100
5) DDT	9.35	235	1472746	109.4472296	ug/mL	100

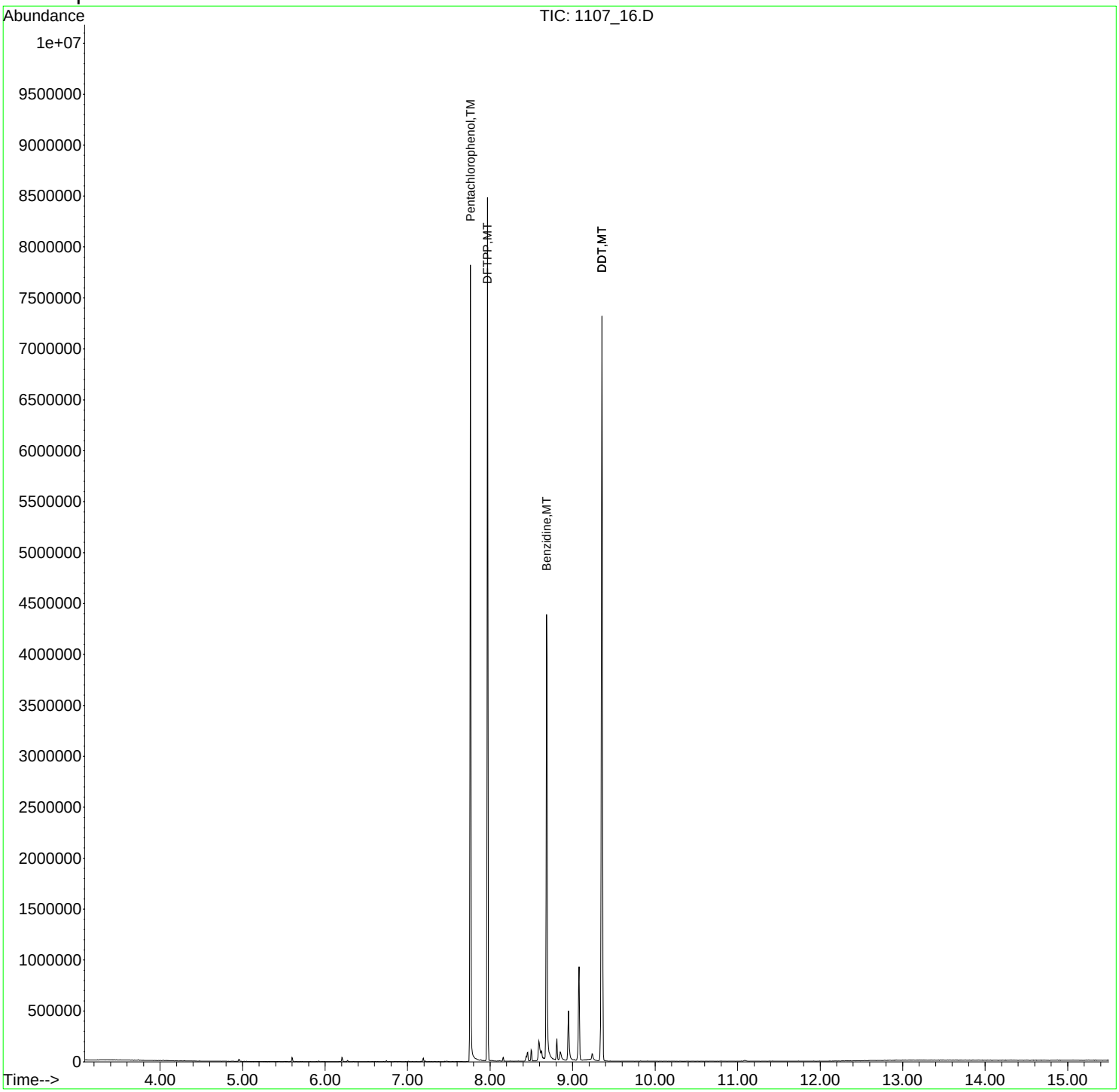
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_16.D Vial: 1
Acq On : 7 Nov 2011 1:19 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 13:54 2011 Quant Results File: TUNED.RES

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA
Last Update : Tue May 24 10:41:42 2011
Response via : Initial Calibration

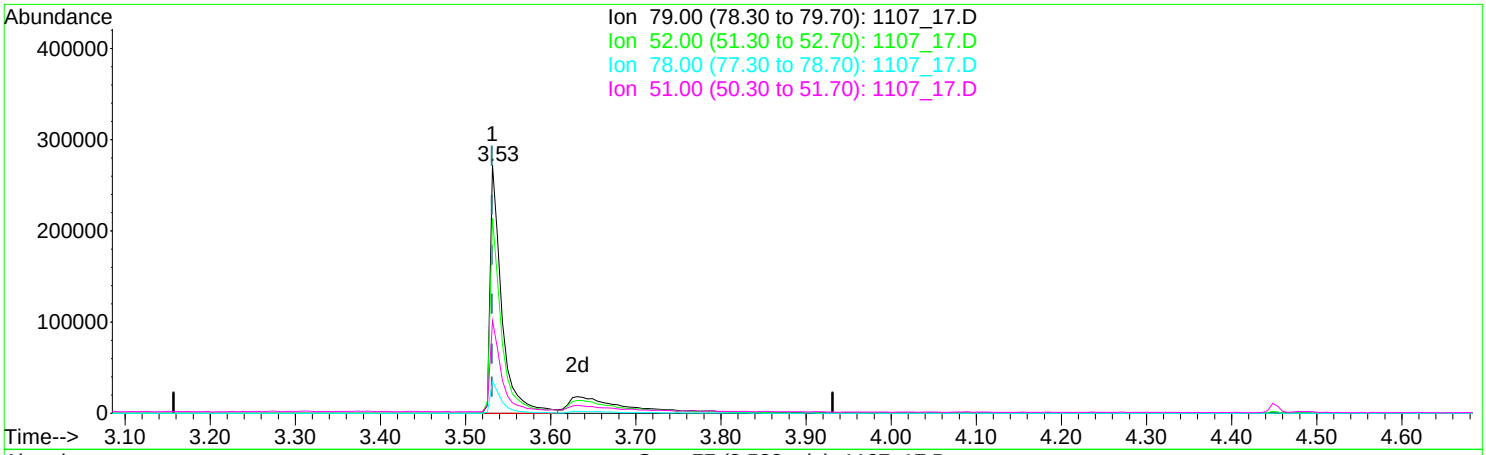


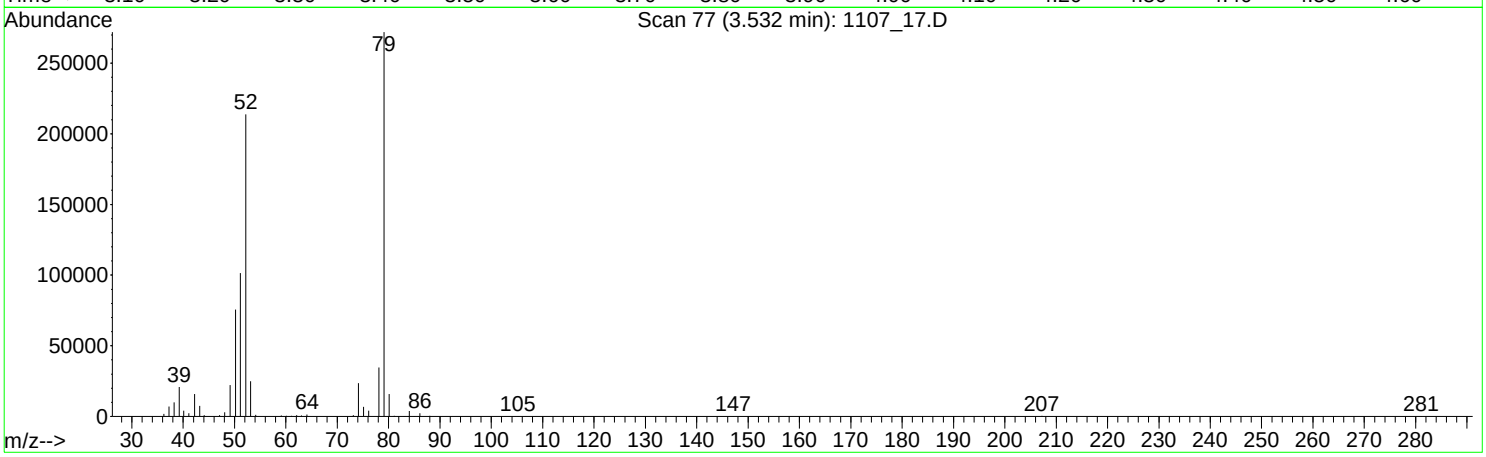
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:26 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(2) Pyridine (TM)
3.53min (+0.000) 7920.1837037 ppb
Qvalue = 100
response 257955

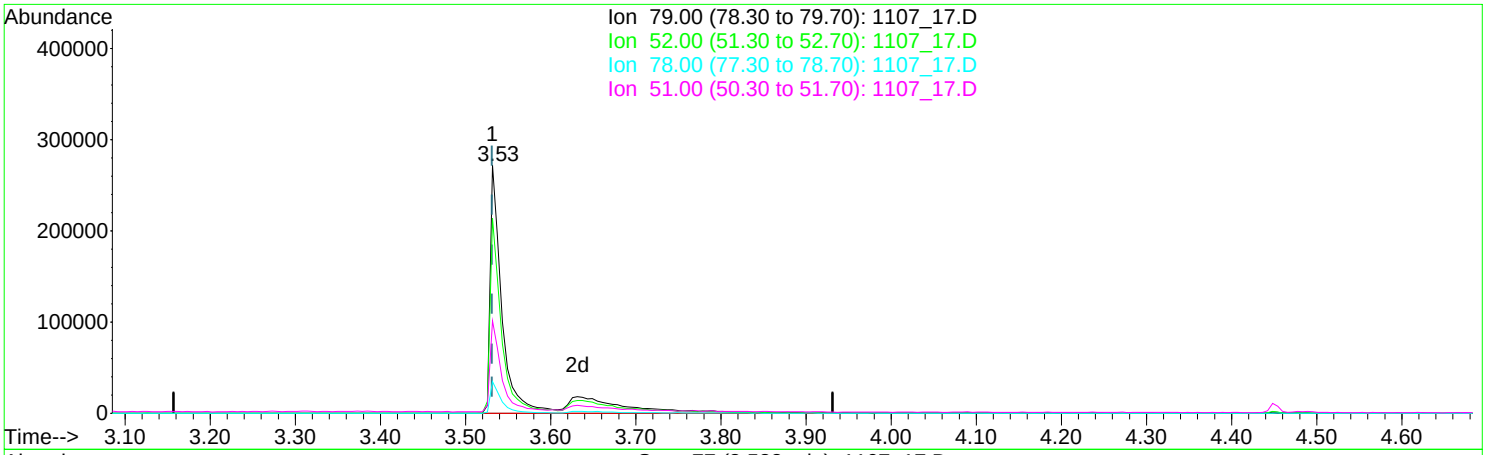
Ion	Exp%	Act%
79.00	100	100
52.00	78.30	78.63
78.00	12.10	12.73
51.00	36.90	36.69

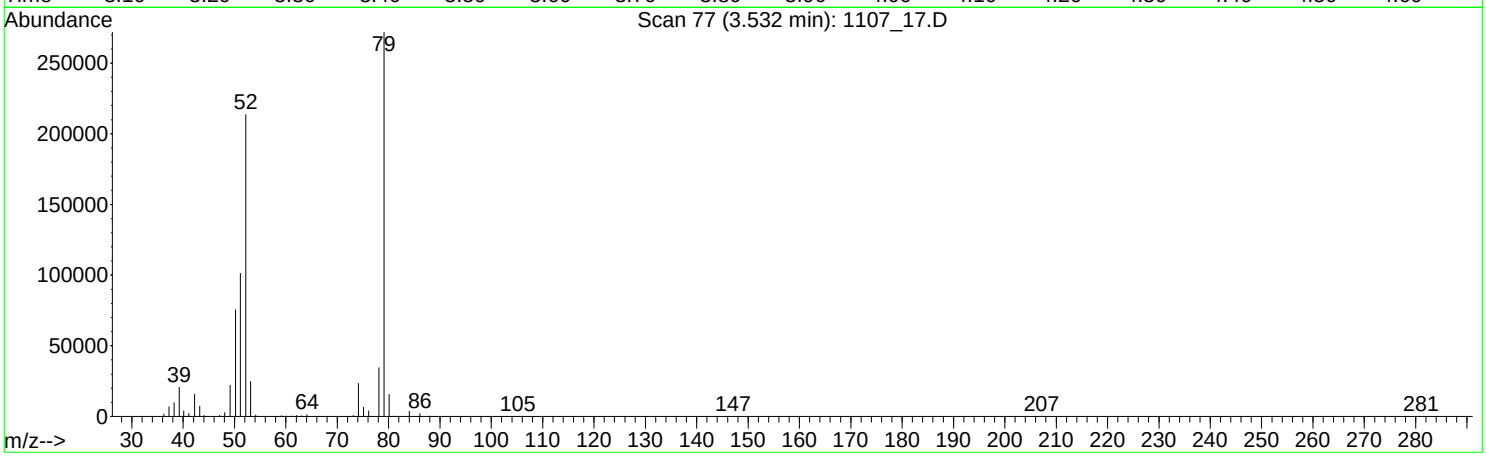
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(2) Pyridine (TM)
3.53min (+0.000) 10742.8093867 ppb m

response 349886

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	78.63
78.00	12.10	12.73
51.00	36.90	37.33

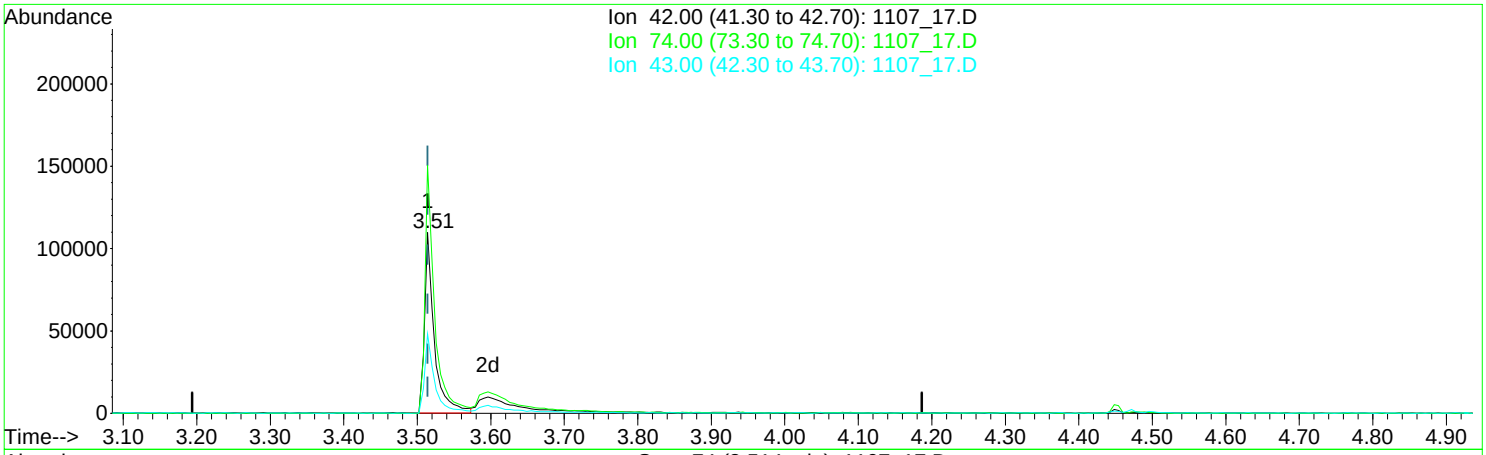
1107_17.D S810K04K.M Tue Nov 08 12:11:22 2011

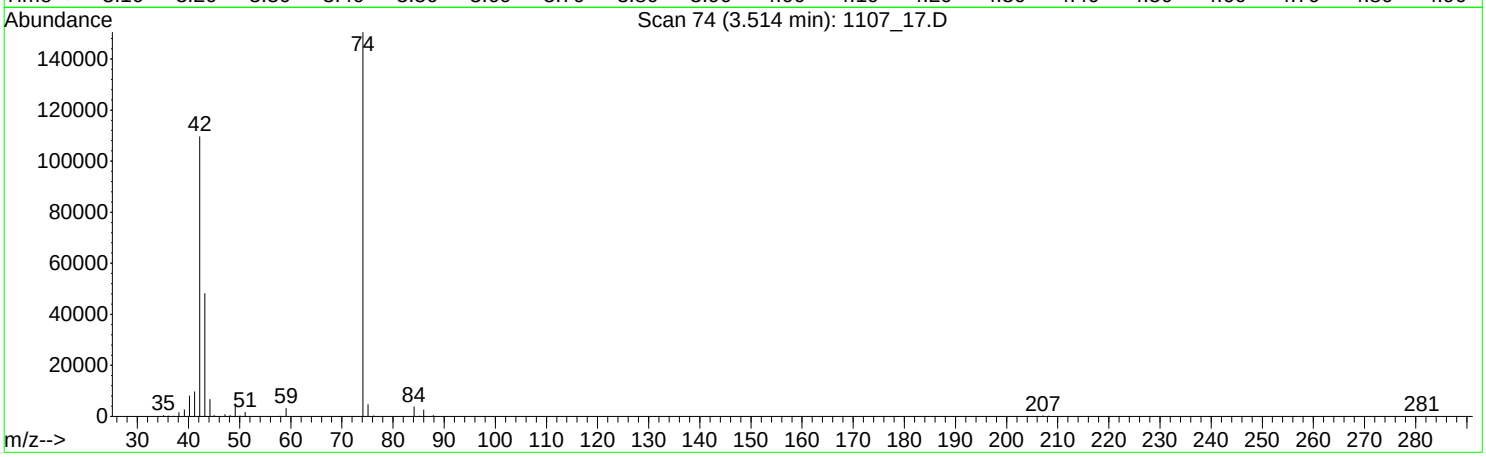
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(3) N-Nitrosodimethylamine (MT)
3.51min (+0.000) 6488.5906177 ppb
Qvalue = 57
response 101511

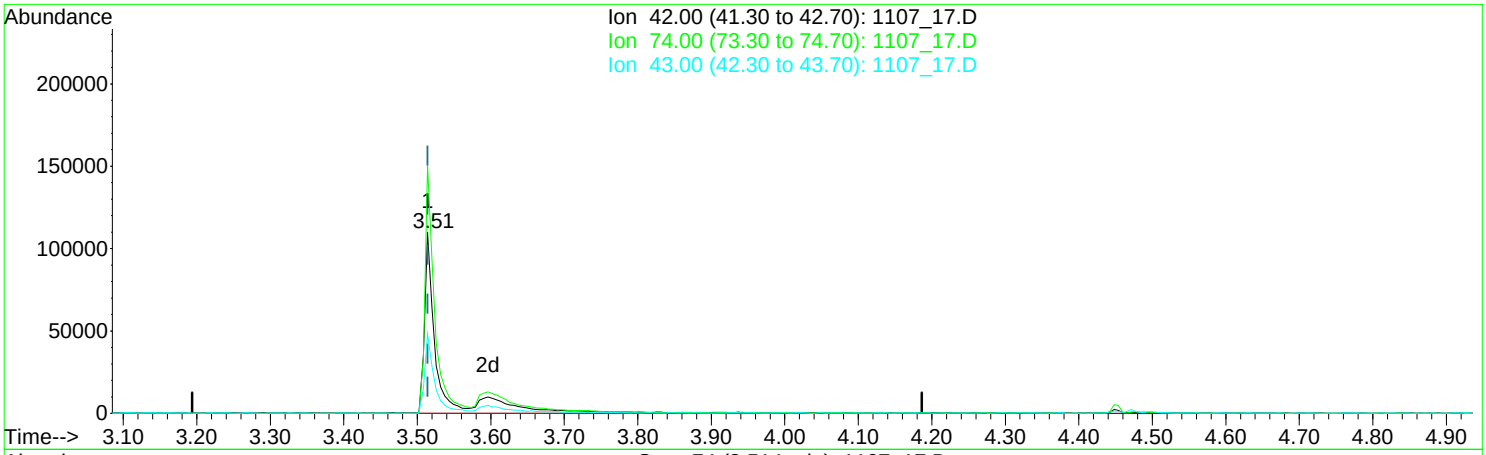
Ion	Exp%	Act%
42.00	100	100
74.00	91.20	136.75#
43.00	30.30	45.87
0.00	0.00	0.00

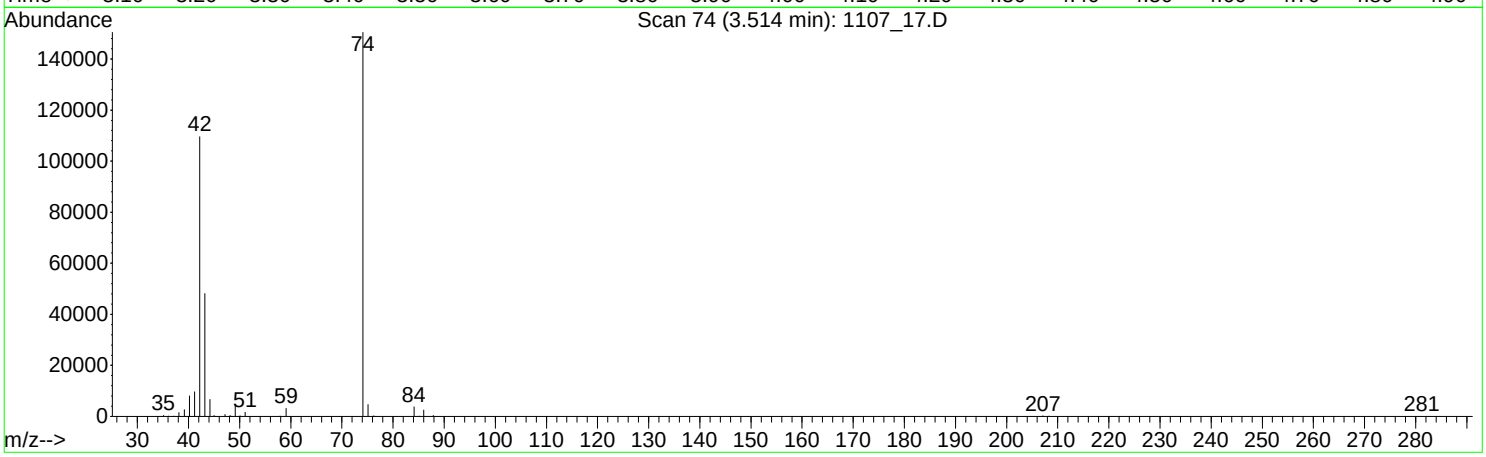
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(3) N-Nitrosodimethylamine (MT)
3.51min (+0.000) 9769.3523287 ppb m

response 152837

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	90.82
43.00	30.30	30.46
0.00	0.00	0.00

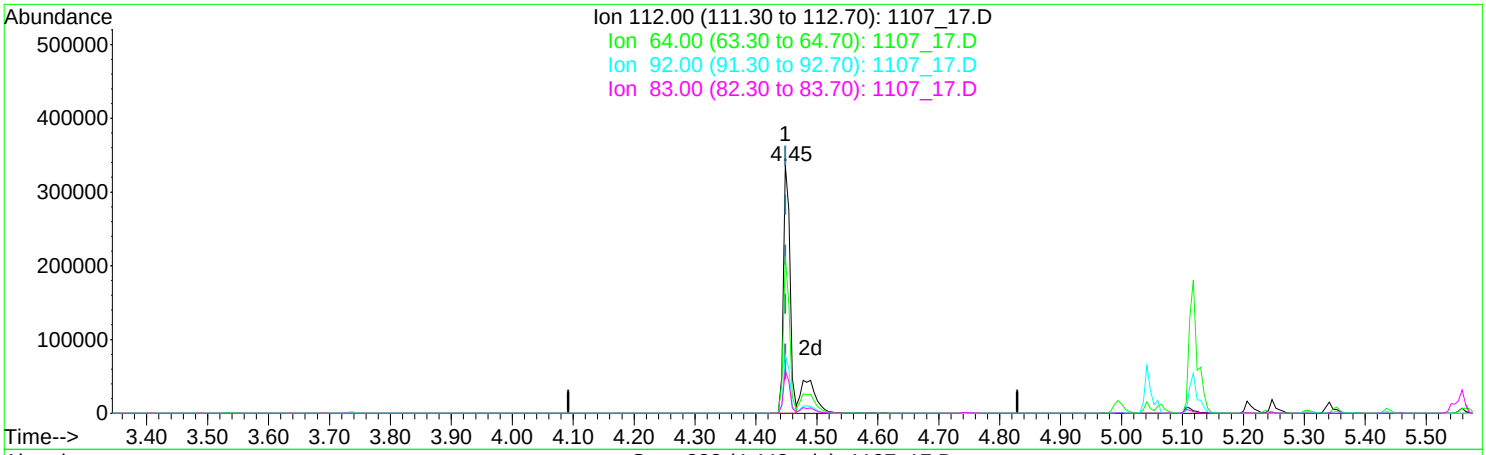
1107_17.D S810K04K.M Tue Nov 08 12:11:28 2011

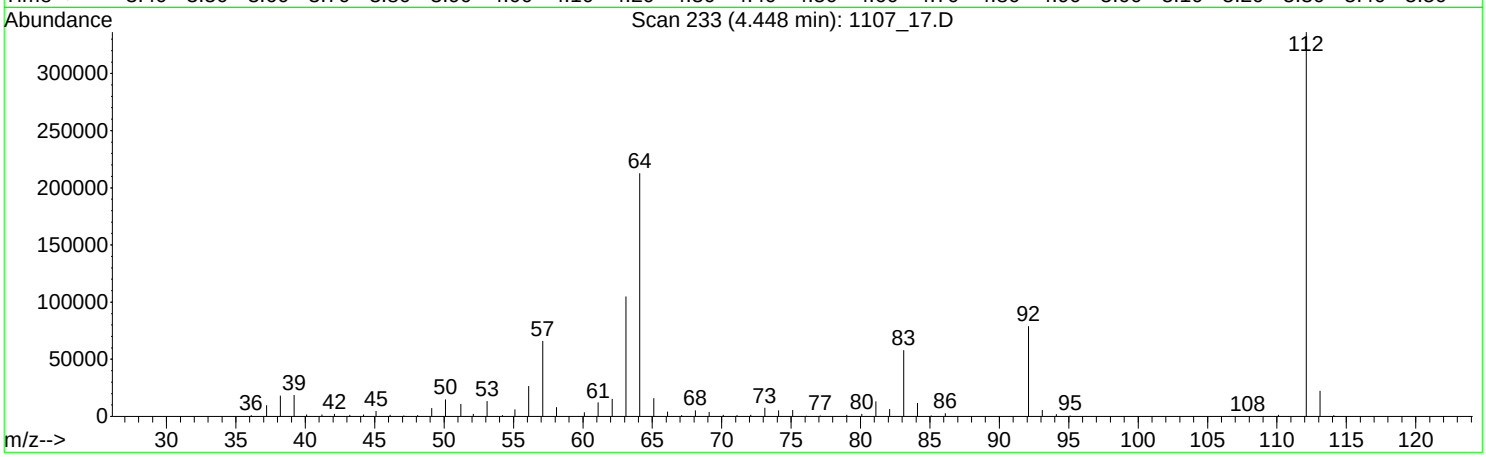
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(4) 2-Fluorophenol (S)
4.45min (+0.000) 8169.2727002 ppb
Qvalue = 99
response 253418

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	63.26
92.00	22.80	23.46
83.00	17.30	17.28

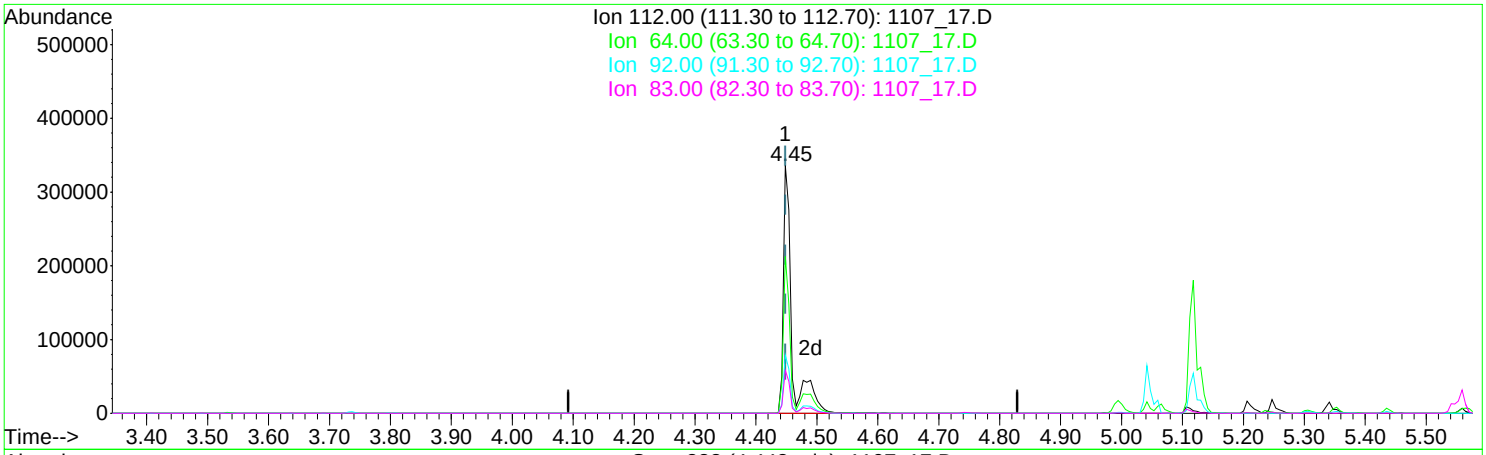
1107_17.D S810K04K.M Tue Nov 08 12:11:31 2011

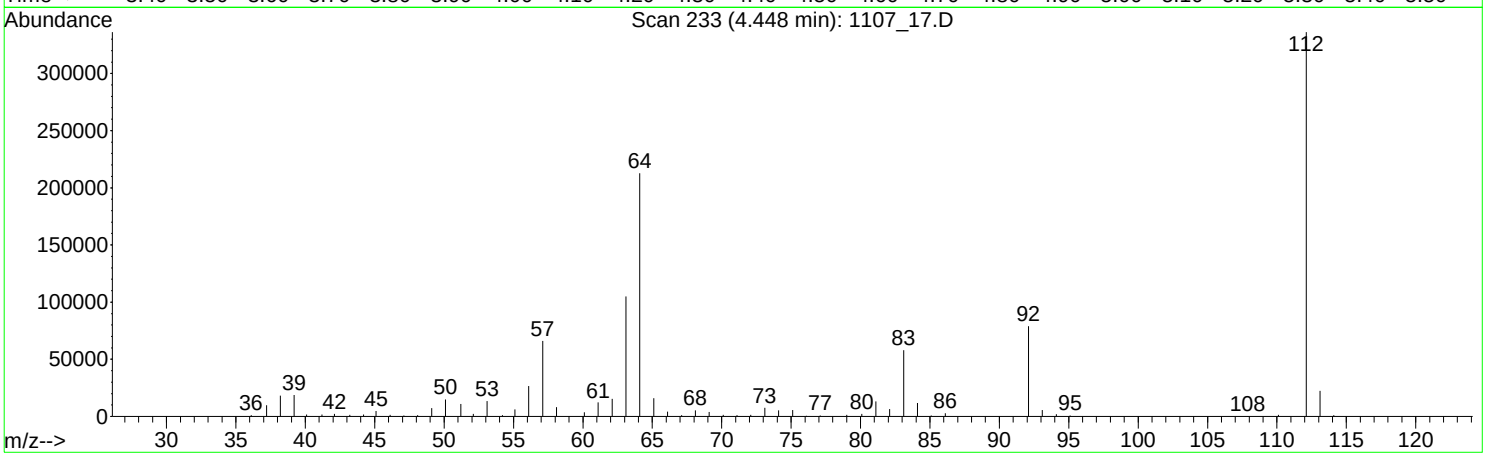
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(4) 2-Fluorophenol (S)
4.45min (+0.000) 10670.2658573 ppb m

response 331001

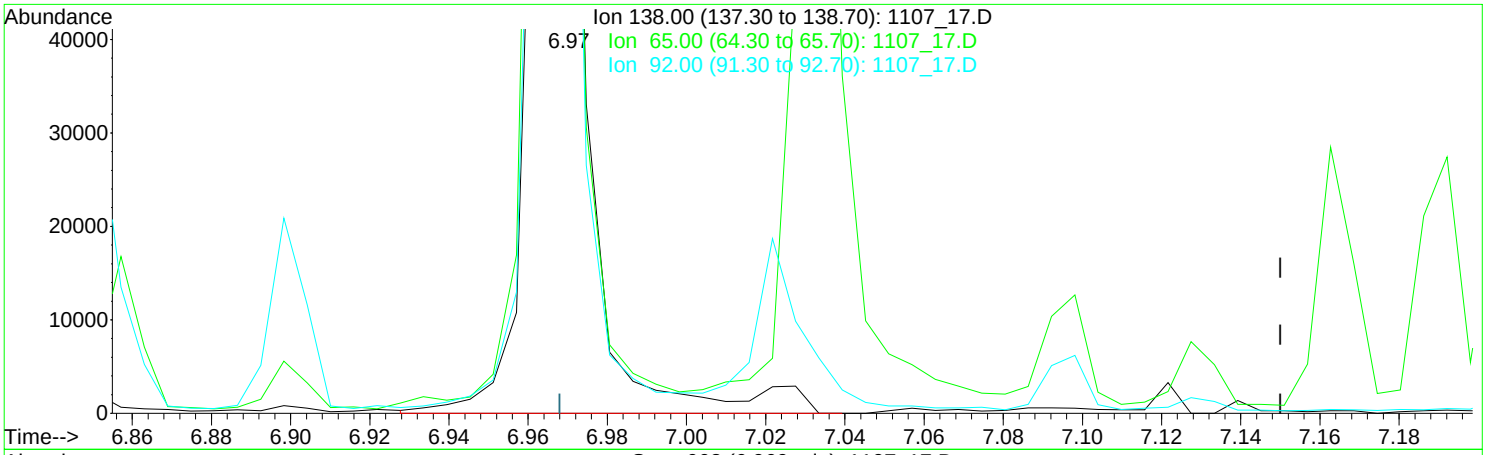
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	63.26
92.00	22.80	23.46
83.00	17.30	17.28

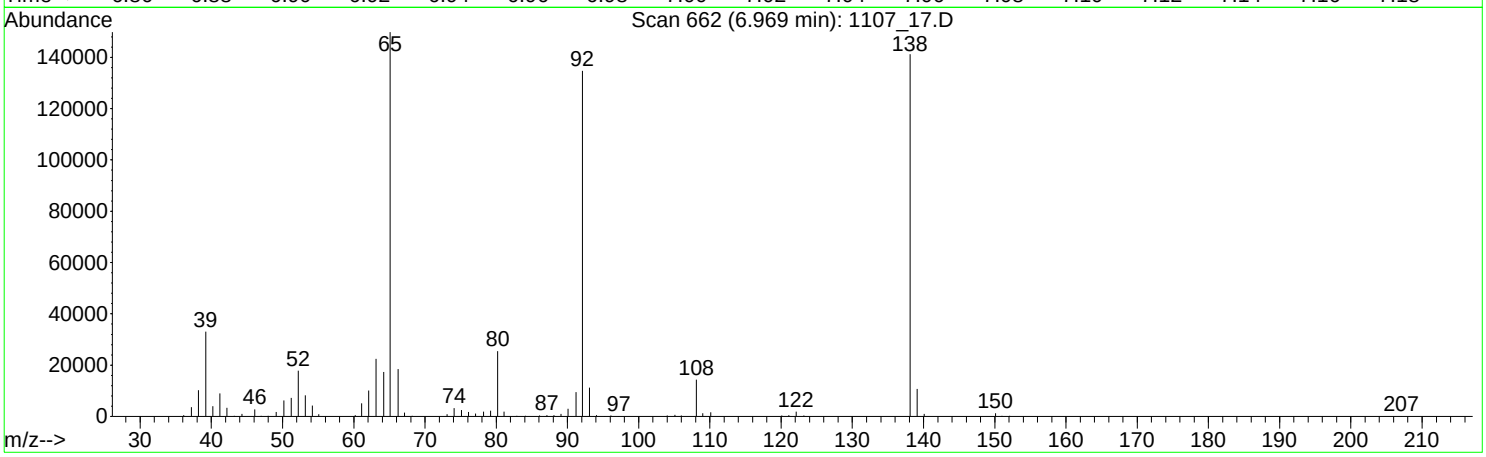
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(51) 3-Nitroaniline (MT)
6.97min (+0.001) 13459.2901275 ppb
Qvalue = 94
response 107997

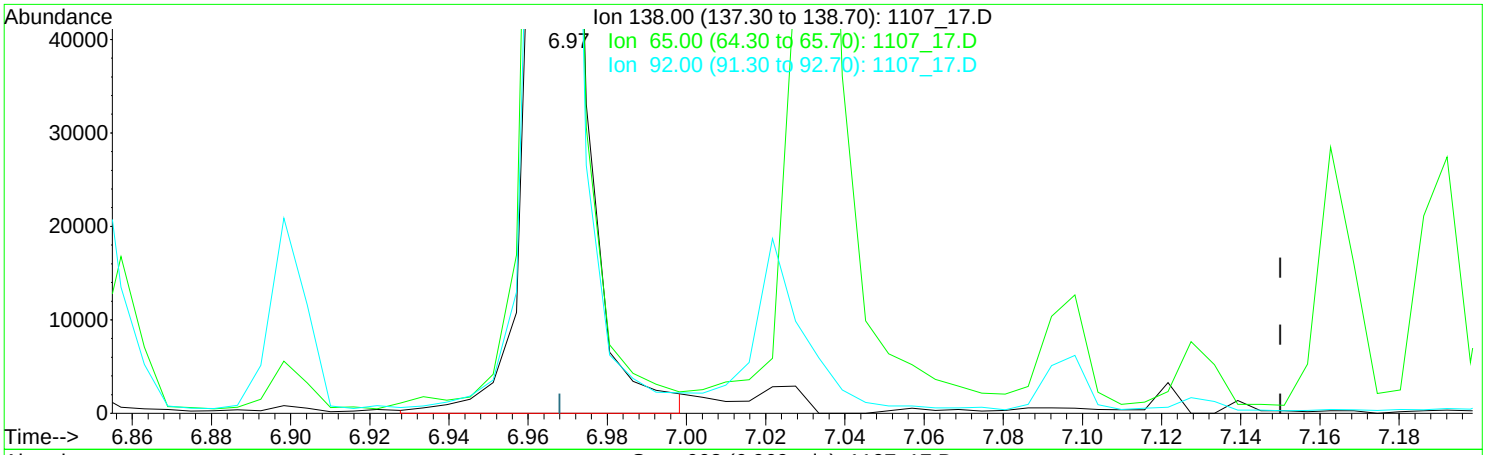
Ion	Exp%	Act%
138.00	100	100
65.00	114.70	106.07
92.00	98.30	95.38
0.00	0.00	0.00

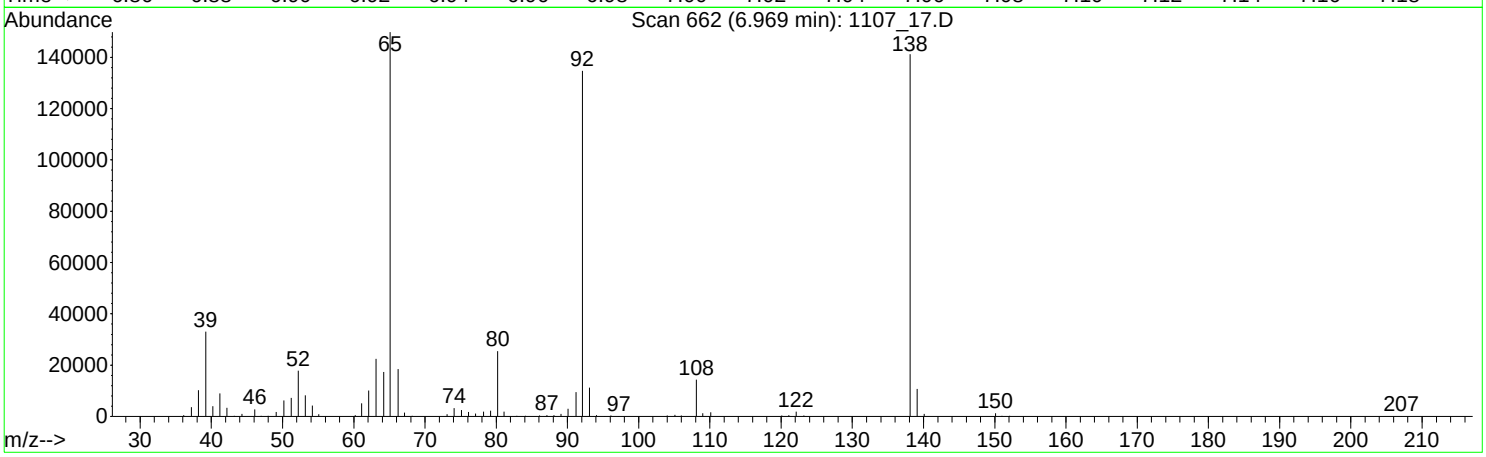
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:12 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(51) 3-Nitroaniline (MT)
6.97min (+0.001) 13020.7294086 ppb m

response 104478

Ion	Exp%	Act%
138.00	100	100
65.00	114.70	106.07
92.00	98.30	95.38
0.00	0.00	0.00

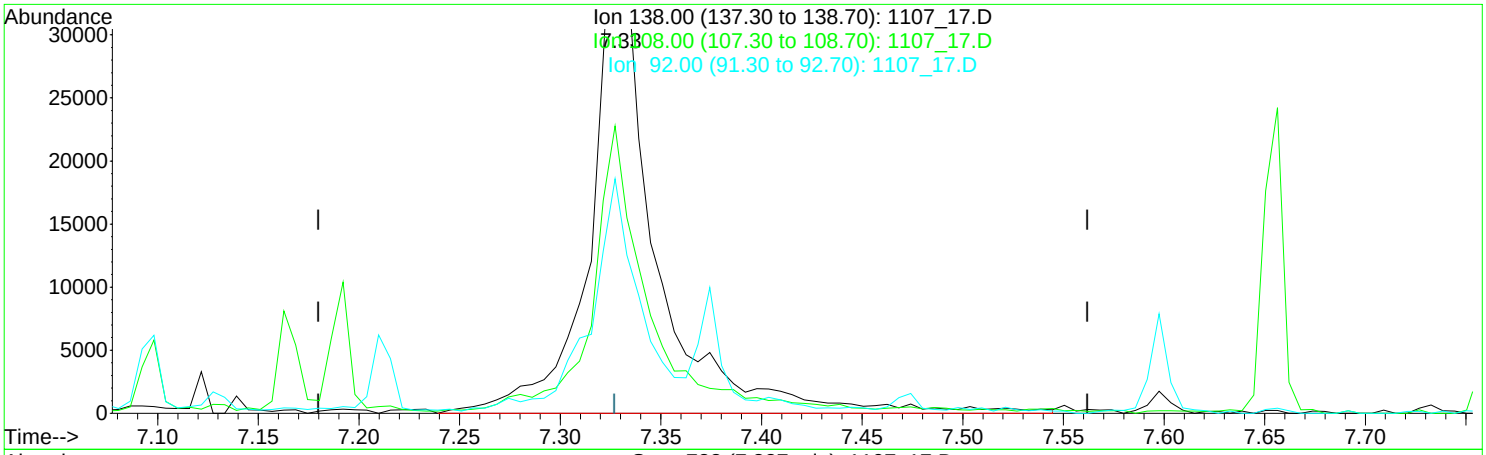
1107_17.D S810K04K.M Tue Nov 08 12:12:07 2011

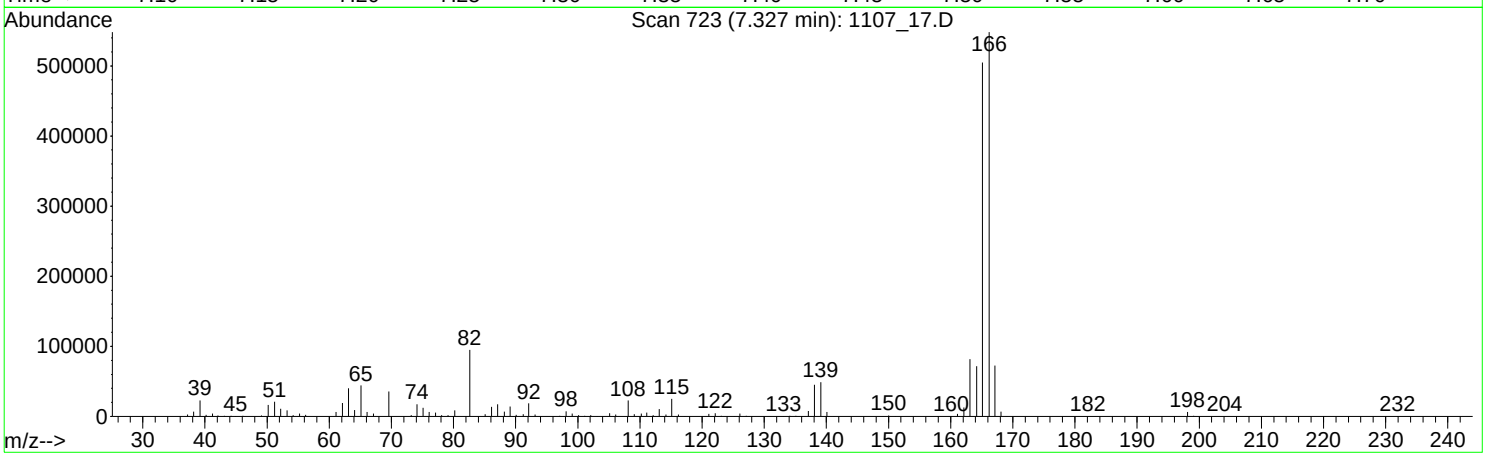
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:12 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(61) 4-Nitroaniline (MT)
7.33min (+0.000) 12279.8275040 ppb
Qvalue = 97
response 85749

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	50.88
92.00	38.30	36.85
0.00	0.00	0.00

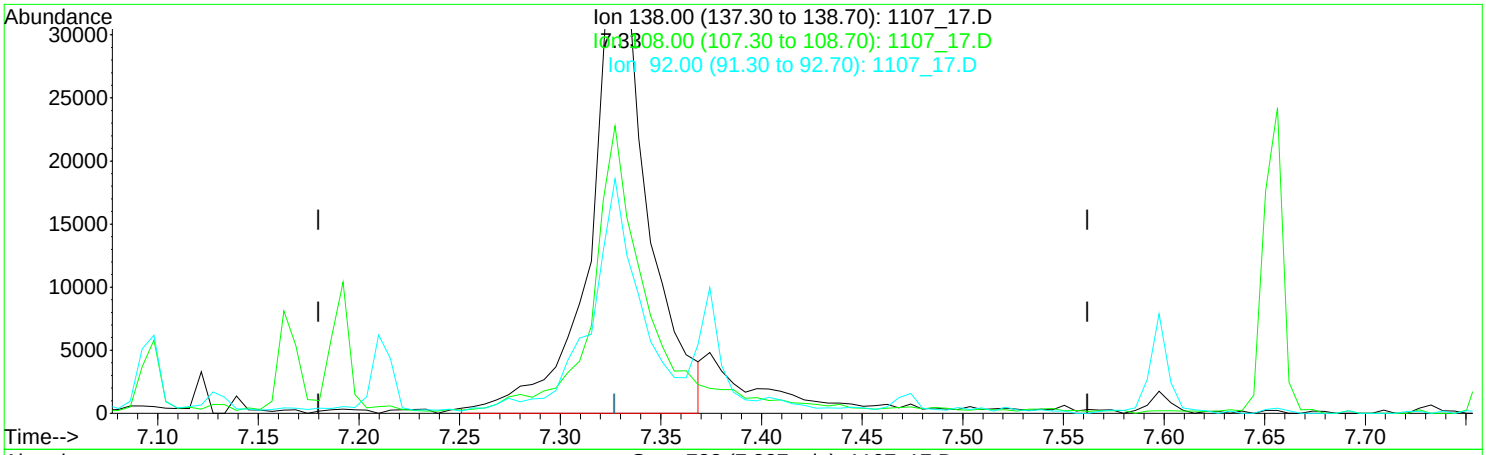
1107_17.D S810K04K.M Tue Nov 08 12:12:14 2011

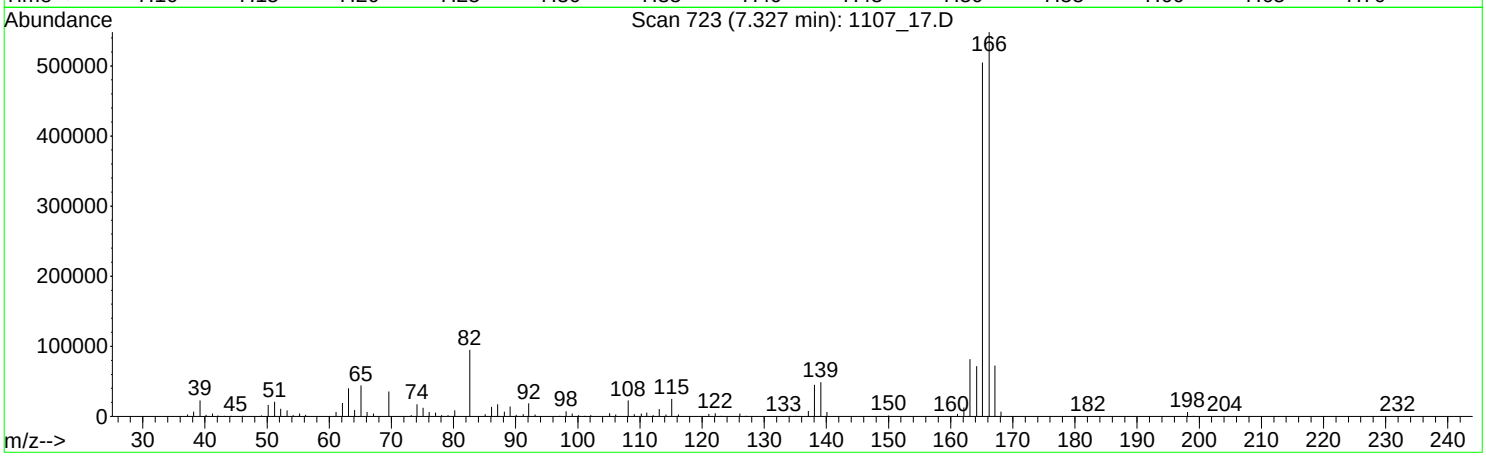
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:12 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1107_17.D

(61) 4-Nitroaniline (MT)
7.33min (+0.000) 10077.4842394 ppb m

response 74612

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	58.47
92.00	38.30	42.35
0.00	0.00	0.00

1107_17.D S810K04K.M Tue Nov 08 12:12:18 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:12 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	185692	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	700649	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	383176	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	610724	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	438379	8000.00 ppb	0.00
88) Perylene-d12	12.12	264	460587	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	331001m	10670.2658573 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 53351.33%#		
7) Phenol-d5	4.99	99	348469	10773.8493011 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 53869.25%#		
23) Nitrobenzene-d5	5.56	82	331979	10798.8432277 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 107988.43%#		
44) 2-Fluorobiphenyl	6.59	172	683357	11193.7396405 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 111937.40%#		
67) 2,4,6-Tribromophenol	7.47	330	74825	11317.0478614 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 56585.24%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 104857.45%#		

Target Compounds

					Qvalue
2) Pyridine	3.53	79	349886m	10742.8093867 ppb	
3) N-Nitrosodimethylamine	3.51	42	152837m	9769.3523287 ppb	
5) Aniline	5.04	93	360621	10866.6747943 ppb	99
6) bis(2-Chloroethyl)ether	5.07	93	419898	10998.2961638 ppb	95
8) Phenol	5.00	94	413934	10473.4000722 ppb	99
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.12	128	362346	11040.2852920 ppb	97
11) n-Decane	5.11	41	167192	10359.0114653 ppb	99
12) 1,3-Dichlorobenzene	5.21	146	389682	10673.8226570 ppb	95
13) 1,4-Dichlorobenzene	5.25	146	384413	10573.6625644 ppb	98
14) Benzyl Alcohol	5.31	79	225628	10116.6239885 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	363664	10562.8799037 ppb	98
16) bis(2-Chloroisopropyl)ethe	5.38	121	116672	10626.8120154 ppb	96
17) 2-Methylphenol	5.35	108	319246	11064.7712576 ppb	98
18) Hexachloroethane	5.55	117	139509	10353.7879996 ppb	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:12 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	220857	10675.6466992	ppb		92
20)	3&4-Methyl phenol	5.44	107	341095	10589.7310024	ppb		98
21)	Acetophenone	0.00	105	0	N.D.	d		
24)	Nitrobenzene	5.57	77	319878	11168.1643808	ppb		97
25)	Isophorone	5.70	82	615661	11142.8586612	ppb		99
26)	2-Nitrophenol	5.75	139	187949	11795.3893519	ppb		96
27)	2,4-Dimethylphenol	5.75	107	304259	12020.6883973	ppb		99
28)	bis(2-Chlorethoxy)methane	5.81	93	376129	10771.7351617	ppb		98
29)	2,4-Dichlorophenol	5.89	162	277862	11288.5473304	ppb		98
30)	Benzoic Acid	0.00	105	0	N.D.	d		
31)	1,2,4-Trichlorobenzene	5.95	180	340376	11012.5315546	ppb		99
32)	Naphthalene	6.00	128	1010929	11037.2887665	ppb		100
33)	4-Chloroaniline	6.01	65	95102	11084.1332559	ppb		98
34)	Hexachloro-1,3-butadiene	6.05	225	165885	11162.9721160	ppb		99
35)	Caprolactam	0.00	113	0	N.D.	d		
36)	4-Chloro-3-methylphenol	6.26	107	286475	11626.7646279	ppb		86
37)	2-Methylnaphthalene	6.40	142	663495	11649.7228379	ppb		99
38)	1-Methylnaphthalene	6.46	142	647329	11207.0963372	ppb		100
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41)	Hexachlorocyclopentadiene	6.48	237	119118	11080.5473290	ppb		99
42)	2,4,6-Trichlorophenol	6.55	196	195019	11563.5765129	ppb		96
43)	2,4,5-Trichlorophenol	6.58	196	193589	11184.6317148	ppb		98
45)	Biphenyl	6.66	154	794399	11243.1954419	ppb		100
46)	2-Chloronaphthalene	6.69	162	601255	10996.6655839	ppb		100
47)	2-Nitroaniline	6.73	138	187003	11134.0424971	ppb		99
48)	Acenaphthylene	6.93	152	915163	11097.2392597	ppb		100
49)	Dimethyl phthalate	6.81	163	666377	10883.7290827	ppb		98
50)	2,6-Dinitrotoluene	6.86	165	158449	11403.7988965	ppb		99
51)	3-Nitroaniline	6.97	138	104478m	13020.7294086	ppb		
52)	Acenaphthene	7.03	153	596648	10985.0190734	ppb		100
53)	2,4-Dinitrophenol	7.02	184	48958	9994.8283944	ppb	#	89
54)	Dibenzofuran	7.13	168	836698	11311.7087412	ppb		99
55)	2,4-Dinitrotoluene	7.10	165	193123	10879.2481072	ppb		97
57)	4-Nitrophenol	7.03	139	97143	10348.4384453	ppb		96
58)	Fluorene	7.33	166	660024	11316.9534771	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:12 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	331973	11249.1384069 ppb		96
60)	Diethyl phthalate	7.22	149	651600	11027.2937373 ppb		96
61)	4-Nitroaniline	7.33	138	74612m	10077.4842394 ppb		
62)	Azobenzene	7.40	77	627360	11177.5327782 ppb		99
63)	Atrazine	0.00	200	0	N.D. d		
65)	4,6-Dinitro-2-methylphenol	7.34	198	75095	10573.3529570 ppb	#	62
66)	N-Nitrosodiphenylamine	7.37	169	522739	11034.9933222 ppb		99
68)	4-Bromophenyl-phenylether	7.60	248	178860	10781.2542385 ppb		97
69)	Hexachlorobenzene	7.66	284	200828	11198.9411243 ppb		99
70)	n-octadecane	7.73	55	111092	10947.3389047 ppb		98
71)	Pentachlorophenol	7.76	266	103103	10219.0979585 ppb		98
72)	Phenanthrene	7.90	178	923599	11070.6052248 ppb		99
73)	Anthracene	7.93	178	914282	11510.4986615 ppb		99
74)	Carbazole	8.01	167	683845	10370.5226756 ppb		99
75)	Di-n-butyl phthalate	8.16	149	1156086	11549.7942748 ppb		100
76)	2-nitrodiphenylamine	0.00	167	0	N.D. d		
77)	Fluoranthene	8.63	202	952420	11323.7307309 ppb		99
79)	Benzidine	0.00	184	0	N.D. d		
80)	Pyrene	8.80	202	948113	10784.9044669 ppb		100
82)	Benzylbutyl phthalate	9.23	149	462891	10947.8816704 ppb		96
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.89	228	645266	10190.3023041 ppb		99
85)	Chrysene	9.94	228	619973	10521.9271166 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	659205	10392.1390128 ppb		98
87)	Di-n-octyl phthalate	10.66	149	1011293	10242.1961124 ppb		99
89)	Benzo(b)fluoranthene	11.43	252	674985	10621.1237792 ppb		97
90)	Benzo(k)fluoranthene	11.48	252	622734	10848.9575058 ppb		98
91)	Benzo(a)pyrene	12.02	252	632451	10785.5663279 ppb		99
92)	Indeno(1,2,3-cd)pyrene	13.80	276	811987	11047.5386753 ppb		98
94)	Benzo(g,h,i)perylene	14.31	276	696125	10684.7128673 ppb		98

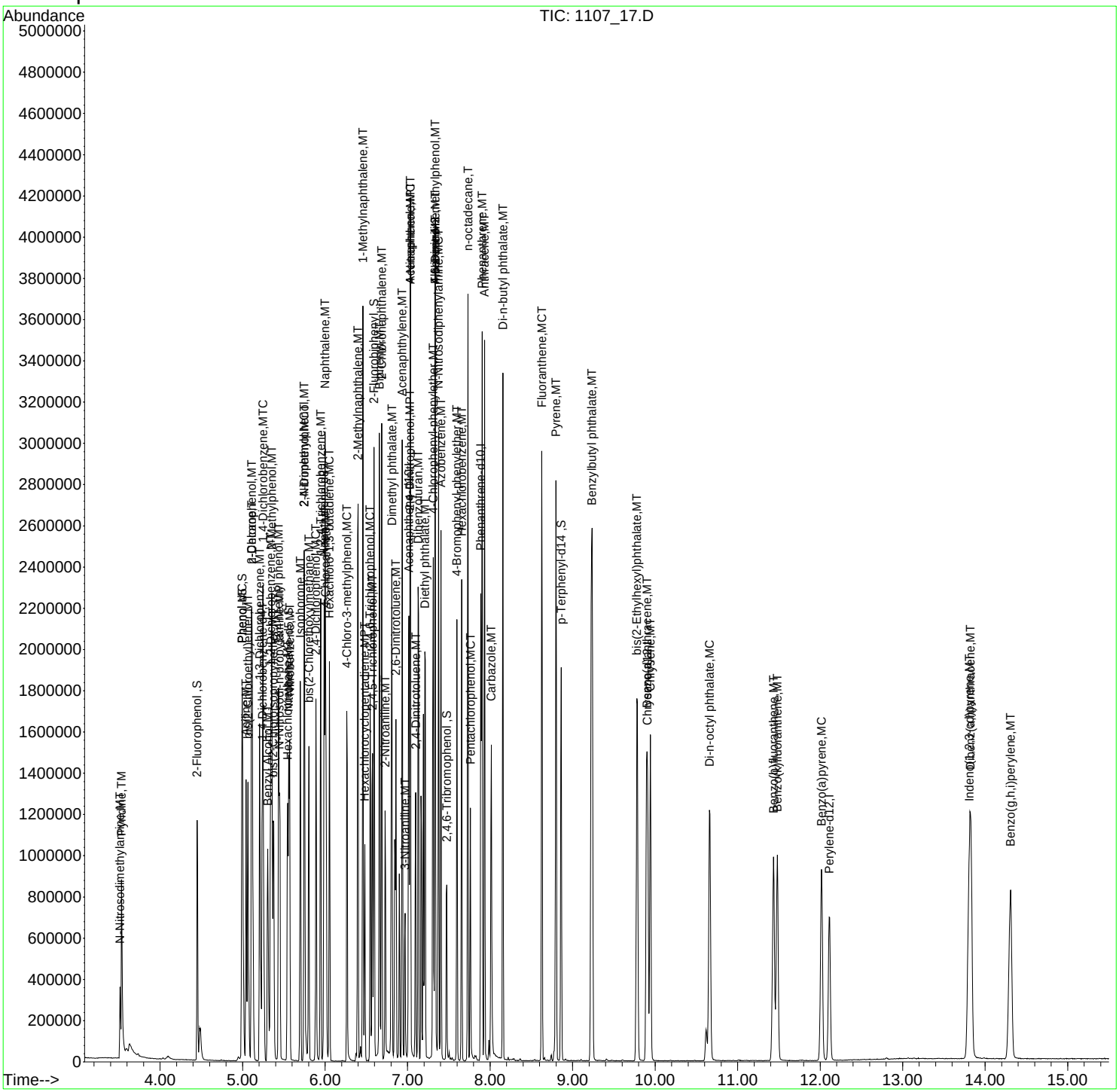
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_17.D Vial: 2
Acq On : 7 Nov 2011 1:40 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:12 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_18.D Vial: 3
Acq On : 7 Nov 2011 2:01 pm Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:26 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	202573	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	802761	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	428586	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	677703	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	474176	8000.00 ppb	0.00
88) Perylene-d12	12.12	264	489371	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	5.24	99	2115	59.9416582 ppb	0.25
Spiked Amount 20.000	Range 10 - 63		Recovery = 299.71%#		
23) Nitrobenzene-d5	5.62	82	5731	162.7088867 ppb	0.06
Spiked Amount 10.000	Range 17 - 119		Recovery = 1627.09%#		
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
81) p-Terphenyl-d14	8.85	244	153	2.3005720 ppb	0.00
Spiked Amount 10.000	Range 40 - 174		Recovery = 23.01%#		

Target Compounds

						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-Nitrosodimethylamine	3.50	42	282	16.5233465 ppb	#	14
5) Aniline	0.00	93	0	N.D.		
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
8) Phenol	5.01	94	714	16.5602328 ppb	#	1
9) Benzaldehyde	4.99	105	287274	10714.7590252 ppb		99
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) n-Decane	5.12	41	72	4.0892810 ppb	#	22
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
14) Benzyl Alcohol	5.32	79	62	2.5482729 ppb	#	19
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) bis(2-Chloroisopropyl)ethe	5.46	121	11520	961.8347611 ppb	#	1
17) 2-Methylphenol	5.36	108	54	1.7156250 ppb	#	7
18) Hexachloroethane	0.00	117	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_18.D Vial: 3
Acq On : 7 Nov 2011 2:01 pm Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:26 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.		
20)	3&4-Methyl phenol	5.44	107	1040	29.5974672 ppb	#	10
21)	Acetophenone	5.46	105	433314	10334.9572186 ppb		98
24)	Nitrobenzene	5.46	77	320021	9751.9203341 ppb	#	56
25)	Isophorone	5.62	82	5730	90.5156848 ppb	#	56
26)	2-Nitrophenol	5.99	139	62	3.3960822 ppb	#	1
27)	2,4-Dimethylphenol	5.80	107	542	18.6895753 ppb	#	1
28)	bis(2-Chlorethoxy)methane	5.81	93	724	18.0967945 ppb	#	1
29)	2,4-Dichlorophenol	5.90	162	65	2.3048173 ppb	#	24
30)	Benzoic Acid	5.80	105	151725	9506.3647349 ppb		95
31)	1,2,4-Trichlorobenzene	5.95	180	1140	32.1919532 ppb		86
32)	Naphthalene	6.00	128	254	2.4204143 ppb		70
33)	4-Chloroaniline	5.98	65	692	70.3934781 ppb	#	1
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.		
35)	Caprolactam	6.21	113	105668	9958.8610143 ppb		98
36)	4-Chloro-3-methylphenol	6.49	107	21260	753.0948089 ppb	#	12
37)	2-Methylnaphthalene	6.49	142	1156	17.7153613 ppb	#	50
38)	1-Methylnaphthalene	6.49	142	1156	17.4678767 ppb	#	46
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	304340	10336.6702542 ppb		100
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.		
42)	2,4,6-Trichlorophenol	6.55	196	100	5.3012169 ppb	#	72
43)	2,4,5-Trichlorophenol	6.59	196	176	9.0910490 ppb	#	51
45)	Biphenyl	6.66	154	70	0.8857465 ppb	#	41
46)	2-Chloronaphthalene	6.69	162	72	1.1773217 ppb	#	22
47)	2-Nitroaniline	0.00	138	0	N.D.		
48)	Acenaphthylene	6.93	152	166	1.7996370 ppb		62
49)	Dimethyl phthalate	6.81	163	93	1.3580038 ppb		70
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.		
51)	3-Nitroaniline	7.01	138	68	7.5766931 ppb	#	1
52)	Acenaphthene	0.00	153	0	N.D.		
53)	2,4-Dinitrophenol	7.10	184	62	1416.8345785 ppb	#	4
54)	Dibenzofuran	7.19	168	34301	414.5974092 ppb	#	50
55)	2,4-Dinitrotoluene	7.09	165	66	3.3240622 ppb	#	36
57)	4-Nitrophenol	0.00	139	0	N.D.		
58)	Fluorene	0.00	166	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_18.D Vial: 3
Acq On : 7 Nov 2011 2:01 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:26 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
60)	Diethyl phthalate	7.21	149	185	2.7991097 ppb	#	61
61)	4-Nitroaniline	0.00	138	0	N.D.		
62)	Azobenzene	7.40	77	370	5.8937427 ppb	#	46
63)	Atrazine	7.66	200	193346	10076.1192563 ppb		100
65)	4,6-Dinitro-2-methylphenol	7.19	198	6392	811.0433235 ppb	#	30
66)	N-Nitrosodiphenylamine	7.19	169	9844	187.2683379 ppb	#	1
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.		
69)	Hexachlorobenzene	0.00	284	0	N.D.		
70)	n-octadecane	7.66	55	16646	1478.2273960 ppb	#	58
71)	Pentachlorophenol	7.76	266	8119	1187.6921854 ppb		95
72)	Phenanthrene	7.90	178	611	6.5998596 ppb		69
73)	Anthracene	7.93	178	224	2.5413681 ppb		64
74)	Carbazole	8.28	167	175590	2399.6523474 ppb		79
75)	Di-n-butyl phthalate	8.16	149	391	3.5201927 ppb		79
76)	2-nitrodiphenylamine	8.28	167	177748	9594.1332068 ppb		100
77)	Fluoranthene	8.63	202	231	2.4750193 ppb	#	60
79)	Benzidine	8.68	184	354903	9556.2067217 ppb		99
80)	Pyrene	8.80	202	174	1.8298506 ppb	#	59
82)	Benzylbutyl phthalate	9.22	149	179	3.9139436 ppb	#	32
83)	3,3-Dichlorobenzidine	9.82	252	175129	10678.3117501 ppb		98
84)	Benzo(a)anthracene	9.91	228	1237	18.0604330 ppb	#	1
85)	Chrysene	9.91	228	1237	19.4089654 ppb		77
86)	bis(2-Ethylhexyl)phthalate	9.78	149	846	12.3300543 ppb	#	1
87)	Di-n-octyl phthalate	10.66	149	140	1.3108539 ppb		74
89)	Benzo(b)fluoranthene	11.43	252	79	1.1699758 ppb	#	60
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.		
91)	Benzo(a)pyrene	12.12	252	1594	25.5845530 ppb	#	1
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.		

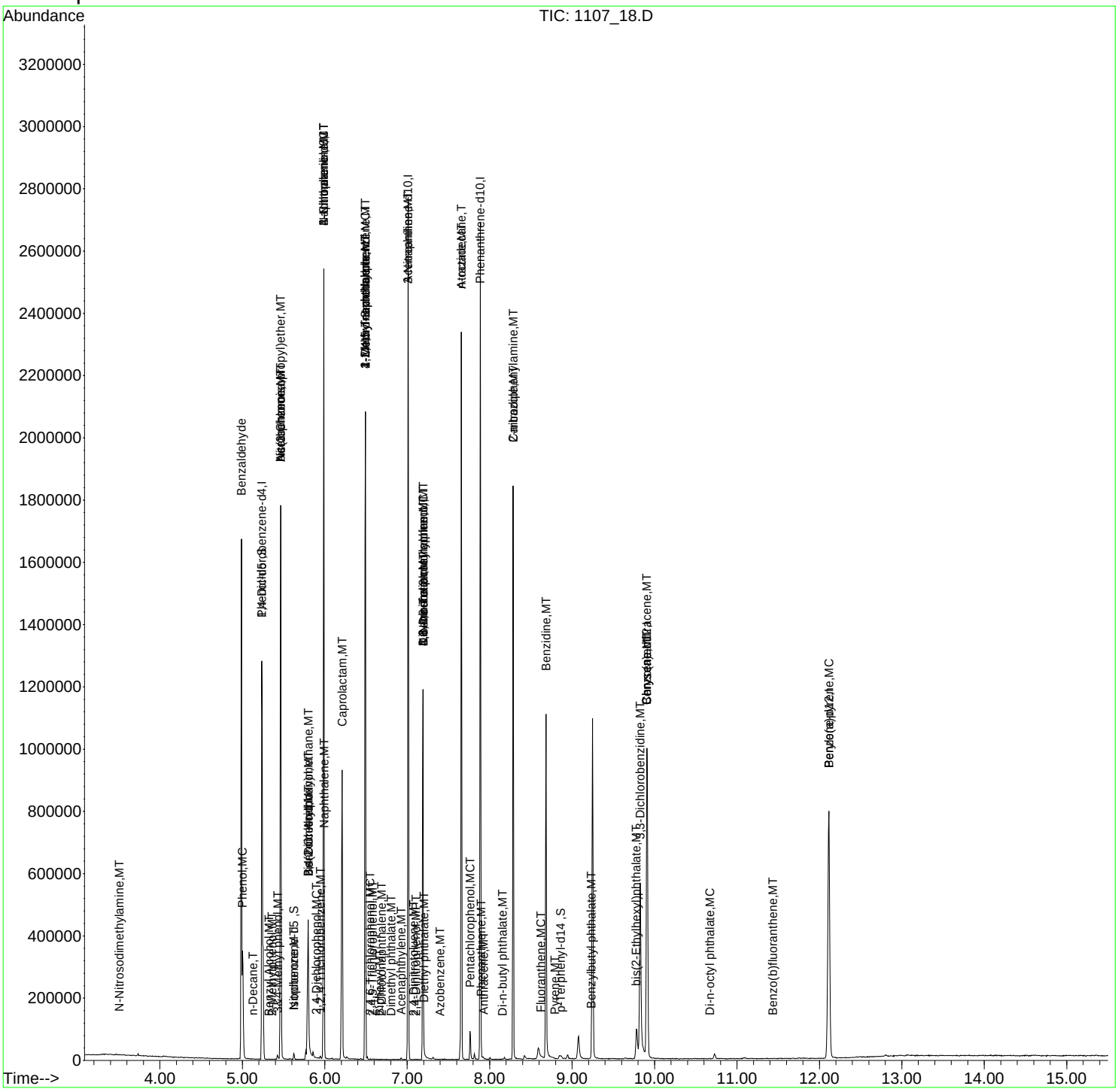
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_18.D Vial: 3
Acq On : 7 Nov 2011 2:01 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:26 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_24.D Vial: 19
Acq On : 7 Nov 2011 4:07 pm Operator: 377
Sample : L544884-01 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:50 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	184838	8000.00	ppb	0.00
22) Naphthalene-d8	5.99	136	714982	8000.00	ppb	0.00
40) Acenaphthene-d10	7.01	164	393611	8000.00	ppb	0.00
64) Phenanthrene-d10	7.89	188	587834	8000.00	ppb	0.00
78) Chrysene-d12	9.91	240	422064	8000.00	ppb	0.00
88) Perylene-d12	12.12	264	505489	8000.00	ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	152999	4.9549179	ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 24.77%			
7) Phenol-d5	4.99	99	161360	5.0119250	ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 25.06%			
23) Nitrobenzene-d5	5.56	82	213660	6.8107548	ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 68.11%			
44) 2-Fluorobiphenyl	6.59	172	520028	8.2924976	ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 82.92%			
67) 2,4,6-Tribromophenol	7.47	330	105715	16.6116712	ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 83.06%			
Spiked Amount 10.000	Range 40 - 174		Recovery = 94.62%			

Target Compounds						Qvalue
2) Pyridine	3.53	79	53	N.D.		
3) N-Nitrosodimethylamine	3.51	42	1794	N.D.		
5) Aniline	5.04	93	56	N.D.		
6) bis(2-Chloroethyl)ether	5.06	93	93	N.D.		
8) Phenol	5.01	94	486	N.D.		
9) Benzaldehyde	4.98	105	771	N.D.		
10) 2-Chlorophenol	5.11	128	218	N.D.		
11) n-Decane	5.11	41	7579	0.4717552	ppb #	79
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
14) Benzyl Alcohol	5.36	79	168	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) bis(2-Chloroisopropyl)ethe	5.29	121	424	N.D.		
17) 2-Methylphenol	5.36	108	174	N.D.		
18) Hexachloroethane	5.56	117	117	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_24.D Vial: 19
Acq On : 7 Nov 2011 4:07 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:50 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.42	70	206	N.D.	
20)	3&4-Methyl phenol	5.45	107	282	N.D.	
21)	Acetophenone	5.46	105	419	N.D.	
24)	Nitrobenzene	5.56	77	1480	N.D.	
25)	Isophorone	0.00	82	0	N.D.	
26)	2-Nitrophenol	0.00	139	0	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	5.83	93	59	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.78	105	2148	1.2672277 ppb	98
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.00	128	1376	N.D.	
33)	4-Chloroaniline	6.02	65	116	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.20	113	630	N.D.	
36)	4-Chloro-3-methylphenol	6.27	107	233	N.D.	
37)	2-Methylnaphthalene	6.39	142	434	N.D.	
38)	1-Methylnaphthalene	6.45	142	289	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.66	154	1006	N.D.	
46)	2-Chloronaphthalene	6.65	162	657	N.D.	
47)	2-Nitroaniline	6.60	138	54	N.D.	
48)	Acenaphthylene	6.93	152	63	N.D.	
49)	Dimethyl phthalate	6.81	163	58	N.D.	
50)	2,6-Dinitrotoluene	6.86	165	80	N.D.	
51)	3-Nitroaniline	7.07	138	57	N.D.	
52)	Acenaphthene	7.02	153	110	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	7.13	168	201	N.D.	
55)	2,4-Dinitrotoluene	7.10	165	207	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	7.13	139	56	N.D.	
58)	Fluorene	7.47	166	7111	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_24.D Vial: 19
Acq On : 7 Nov 2011 4:07 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:50 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.21	149	680	N.D.	
61)	4-Nitroaniline	7.30	138	66	Below Cal #	27
62)	Azobenzene	7.40	77	1294	N.D.	
63)	Atrazine	7.54	200	72	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.47	169	4011	N.D.	
68)	4-Bromophenyl-phenylether	7.60	248	57	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.54	55	16067	1.6449430 ppb #	83
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	7.99	178	56	N.D.	
73)	Anthracene	7.99	178	56	N.D.	
74)	Carbazole	8.03	167	126	N.D.	
75)	Di-n-butyl phthalate	8.16	149	24212	0.2513073 ppb	99
76)	2-nitrodiphenylamine	8.31	167	705	N.D.	
77)	Fluoranthene	8.63	202	181	N.D.	
79)	Benzidine	8.69	184	192	N.D.	
80)	Pyrene	8.80	202	179	N.D.	
82)	Benzylbutyl phthalate	9.23	149	1122	N.D.	
83)	3,3-Dichlorobenzidine	9.82	252	53	N.D.	
84)	Benzo(a)anthracene	9.91	228	1077	N.D.	
85)	Chrysene	9.94	228	123	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	9985	0.1634948 ppb	97
87)	Di-n-octyl phthalate	10.68	149	1925	N.D.	
89)	Benzo(b)fluoranthene	11.40	252	56	N.D.	
90)	Benzo(k)fluoranthene	11.50	252	68	N.D.	
91)	Benzo(a)pyrene	11.98	252	64	N.D.	
92)	Indeno(1,2,3-cd)pyrene	13.60	276	54	N.D.	
93)	Dibenz(a,h)anthracene	13.75	278	56	N.D.	
94)	Benzo(g,h,i)perylene	14.30	276	54	N.D.	

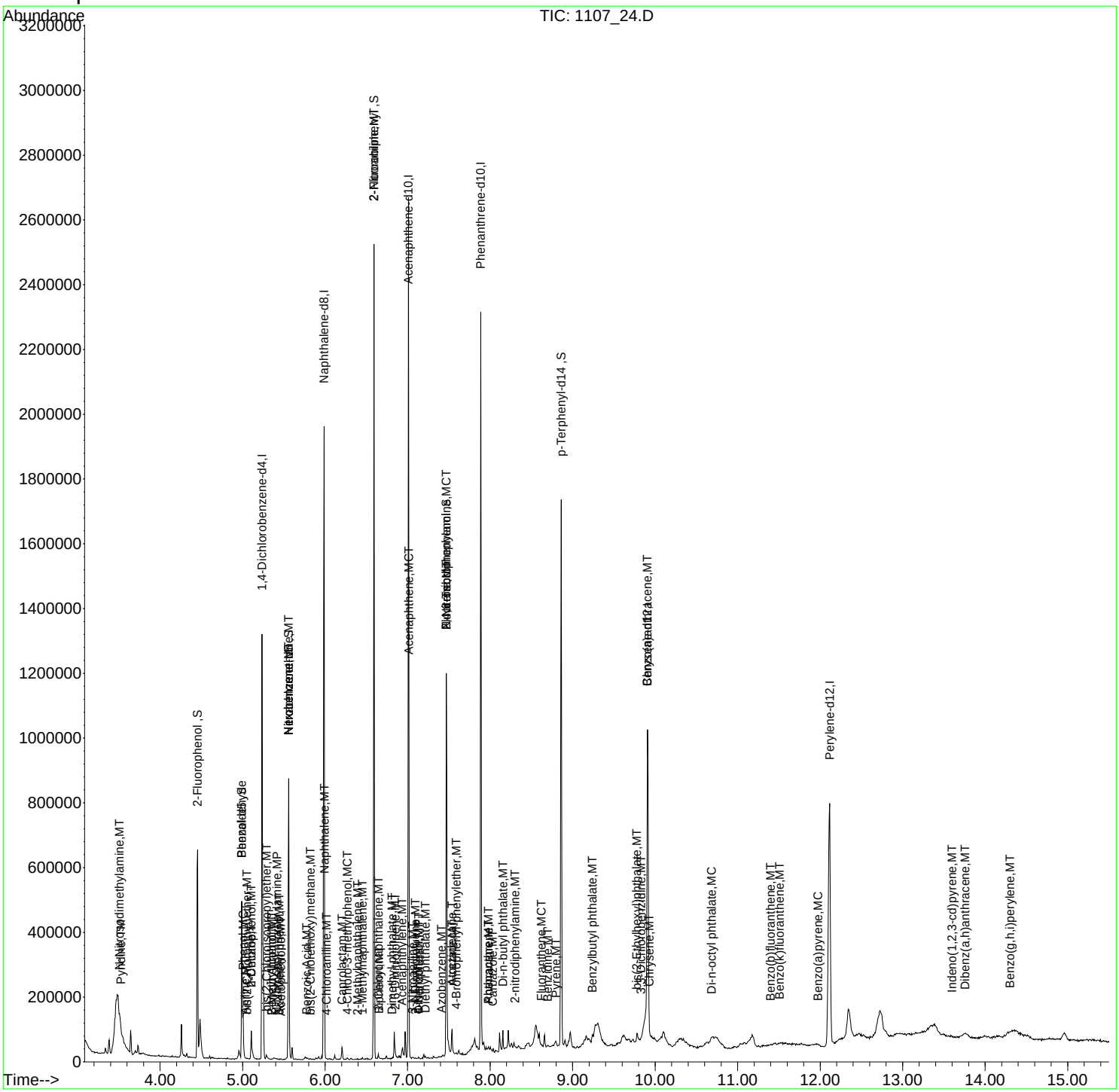
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_24.D Vial: 19
Acq On : 7 Nov 2011 4:07 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_25.D Vial: 20
Acq On : 7 Nov 2011 4:29 pm Operator: 377
Sample : ms 1x WG564071 L544884-01 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:52 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	180672	8000.00	ppb	0.00
22) Naphthalene-d8	5.99	136	701176	8000.00	ppb	0.00
40) Acenaphthene-d10	7.02	164	373054	8000.00	ppb	0.00
64) Phenanthrene-d10	7.89	188	609018	8000.00	ppb	0.00
78) Chrysene-d12	9.91	240	463417	8000.00	ppb	0.00
88) Perylene-d12	12.12	264	524333	8000.00	ppb	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.45	112	176285	5.8406830	ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 29.20%			
7) Phenol-d5	4.99	99	183688	5.8370024	ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 29.19%			
23) Nitrobenzene-d5	5.56	82	250394	8.1388680	ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 81.39%			
44) 2-Fluorobiphenyl	6.59	172	535974	9.0177434	ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 90.18%			
67) 2,4,6-Tribromophenol	7.47	330	121188	18.3806516	ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 91.90%			
Spiked Amount 10.000	Range 40 - 174		Recovery = 91.44%			

Target Compounds						Qvalue
2) Pyridine	3.54	79	104632m	3.3018563	ppb	
3) N-Nitrosodimethylamine	3.52	42	70750m	4.6479993	ppb	
5) Aniline	5.04	93	204710	6.3399679	ppb	99
6) bis(2-Chloroethyl)ether	5.07	93	287086	7.7285133	ppb	99
8) Phenol	5.00	94	97016	2.5229131	ppb	96
9) Benzaldehyde	4.99	105	105581	4.4153239	ppb	97
10) 2-Chlorophenol	5.12	128	214415	6.7145101	ppb	98
11) n-Decane	5.11	41	107692	6.8578598	ppb	99
12) 1,3-Dichlorobenzene	5.21	146	249395	7.0210121	ppb	95
13) 1,4-Dichlorobenzene	5.25	146	248302	7.0195608	ppb	99
14) Benzyl Alcohol	5.31	79	144344	6.6518691	ppb	98
15) 1,2-Dichlorobenzene	5.34	146	245662	7.3336868	ppb	99
16) bis(2-Chloroisopropyl)ethe	5.38	121	85300	7.9852355	ppb	96
17) 2-Methylphenol	5.35	108	156649	5.5801638	ppb	97
18) Hexachloroethane	5.54	117	91855	7.0065171	ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_25.D Vial: 20
Acq On : 7 Nov 2011 4:29 pm Operator: 377
Sample : ms 1x WG564071 L544884-01 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:52 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	168129	8.3527214	ppb		96
20)	3&4-Methyl phenol	5.44	107	176800	5.6414946	ppb		92
21)	Acetophenone	5.46	105	319209	8.5363418	ppb		100
24)	Nitrobenzene	5.57	77	226957	7.9179813	ppb		97
25)	Isophorone	5.70	82	383728	6.9398795	ppb		99
26)	2-Nitrophenol	5.75	139	132836	8.3303167	ppb		99
27)	2,4-Dimethylphenol	5.75	107	181810	7.1775650	ppb		97
28)	bis(2-Chlorethoxy)methane	5.81	93	292886	8.3814841	ppb		97
29)	2,4-Dichlorophenol	5.89	162	203827	8.2745441	ppb		99
30)	Benzoic Acid	5.77	105	30200m	3.1192668	ppb		
31)	1,2,4-Trichlorobenzene	5.95	180	232810	7.5266779	ppb		98
32)	Naphthalene	6.00	128	752398	8.2084819	ppb		99
33)	4-Chloroaniline	6.01	65	68095	7.9305038	ppb		99
34)	Hexachloro-1,3-butadiene	6.05	225	122431	8.2326108	ppb		99
35)	Caprolactam	6.21	113	17468	1.8848144	ppb		97
36)	4-Chloro-3-methylphenol	6.27	107	186741	7.5733024	ppb		94
37)	2-Methylnaphthalene	6.40	142	514531	9.0274054	ppb		99
38)	1-Methylnaphthalene	6.46	142	487081	8.4264121	ppb		99
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	215386	8.3752604	ppb		100
41)	Hexachlorocyclopentadiene	6.48	237	79332	7.5798188	ppb		98
42)	2,4,6-Trichlorophenol	6.55	196	145890	8.8852034	ppb	#	88
43)	2,4,5-Trichlorophenol	6.58	196	151888	9.0134504	ppb		97
45)	Biphenyl	6.66	154	620303	9.0174045	ppb		99
46)	2-Chloronaphthalene	6.69	162	465351	8.7419751	ppb		98
47)	2-Nitroaniline	6.73	138	164026	10.0309853	ppb		96
48)	Acenaphthylene	6.93	152	752863	9.3768949	ppb		100
49)	Dimethyl phthalate	6.81	163	465310	7.8059670	ppb		96
50)	2,6-Dinitrotoluene	6.86	165	131418	9.7149708	ppb		98
51)	3-Nitroaniline	6.97	138	95660m	12.2452439	ppb		
52)	Acenaphthene	7.03	153	502314	9.4991448	ppb		99
53)	2,4-Dinitrophenol	7.03	184	29251	6.6772420	ppb	#	1
54)	Dibenzofuran	7.13	168	652283	9.0577878	ppb		99
55)	2,4-Dinitrotoluene	7.10	165	161221	9.3285274	ppb		97
56)	2,3,4,6-Tetrachlorophenol	7.19	232	1440	0.1378470	ppb		82
58)	Fluorene	7.33	166	554886	9.7723760	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_25.D Vial: 20
Acq On : 7 Nov 2011 4:29 pm Operator: 377
Sample : ms 1x WG564071 L544884-01 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:52 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	275068	9.5737739 ppb		94
60)	Diethyl phthalate	7.21	149	519738	9.0343921 ppb		100
61)	4-Nitroaniline	7.33	138	90243m	13.6527168 ppb		
62)	Azobenzene	7.40	77	468135	8.5669619 ppb		99
63)	Atrazine	7.66	200	164280	9.8357862 ppb		97
65)	4,6-Dinitro-2-methylphenol	7.34	198	52652	7.4341520 ppb	#	65
66)	N-Nitrosodiphenylamine	7.37	169	465993	9.8646441 ppb		99
68)	4-Bromophenyl-phenylether	7.60	248	157595	9.5260609 ppb	#	77
69)	Hexachlorobenzene	7.66	284	157388	8.8011449 ppb		99
70)	n-octadecane	7.73	55	58148	5.7461296 ppb		95
71)	Pentachlorophenol	7.76	266	75803	7.6650863 ppb		97
72)	Phenanthrene	7.90	178	774385	9.3080713 ppb		99
73)	Anthracene	7.93	178	782176	9.8749138 ppb		99
74)	Carbazole	8.01	167	592469	9.0099724 ppb		99
75)	Di-n-butyl phthalate	8.16	149	970790	9.7257759 ppb		100
76)	2-nitrodiphenylamine	8.28	167	177270	10.6474484 ppb		98
77)	Fluoranthene	8.63	202	807846	9.6317336 ppb		99
79)	Benzidine	8.68	184	68485	1.8868568 ppb		98
80)	Pyrene	8.80	202	809778	8.7136469 ppb		100
82)	Benzylbutyl phthalate	9.23	149	384320	8.5984887 ppb		96
83)	3,3-Dichlorobenzidine	9.82	252	207919	12.9719813 ppb		98
84)	Benzo(a)anthracene	9.90	228	606654	9.0628988 ppb		98
85)	Chrysene	9.94	228	549091	8.8154527 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	371783	5.5443644 ppb		97
87)	Di-n-octyl phthalate	10.66	149	553846	5.3061911 ppb		100
89)	Benzo(b)fluoranthene	11.43	252	616051	8.5152519 ppb		98
90)	Benzo(k)fluoranthene	11.48	252	565408	8.6527043 ppb		97
91)	Benzo(a)pyrene	12.02	252	574956	8.6130142 ppb		98
92)	Indeno(1,2,3-cd)pyrene	13.80	276	555728	6.6417606 ppb		97
94)	Benzo(g,h,i)perylene	14.31	276	459552	6.1960479 ppb		94

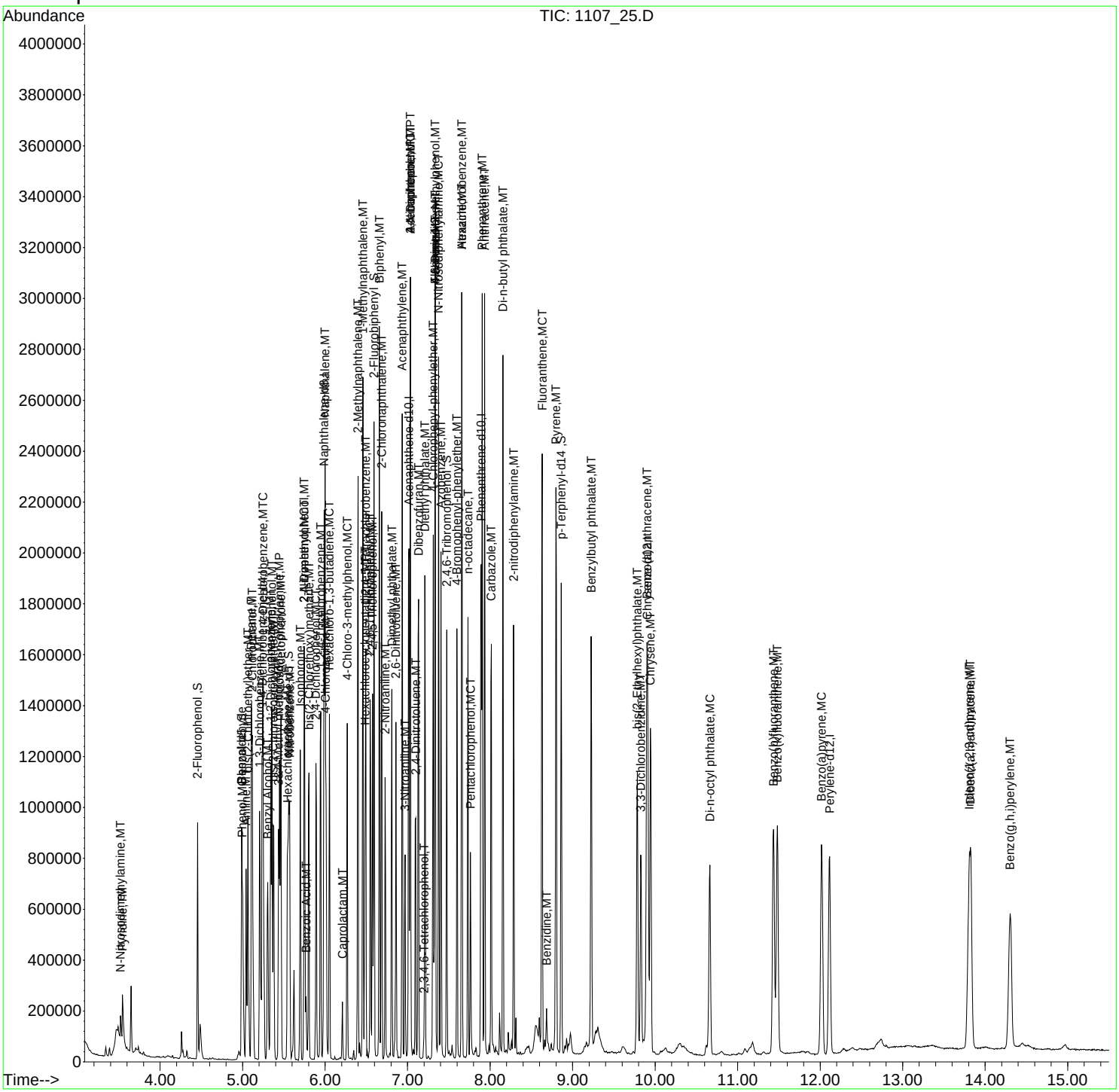
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_25.D Vial: 20
Acq On : 7 Nov 2011 4:29 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_26.D Vial: 21
Acq On : 7 Nov 2011 4:50 pm Operator: 377
Sample : msd 1x WG564071 L544884-01 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:53 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	188358	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	686442	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	377530	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	600293	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	449282	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	504655	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	181919	5.7814013 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 28.91%		
7) Phenol-d5	4.99	99	182795	5.5716033 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 27.86%		
23) Nitrobenzene-d5	5.56	82	240558	7.9869890 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 79.87%		
44) 2-Fluorobiphenyl	6.59	172	497552	8.2720445 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 82.72%		
67) 2,4,6-Tribromophenol	7.47	330	117077	18.0152262 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 90.08%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 90.90%		

Target Compounds

					Qvalue
2) Pyridine	3.54	79	103634m	3.1369146 ppb	
3) N-Nitrosodimethylamine	3.52	42	68278m	4.3025625 ppb	
5) Aniline	5.04	93	203289	6.0390505 ppb	99
6) bis(2-Chloroethyl)ether	5.07	93	271894	7.0208606 ppb	98
8) Phenol	5.00	94	101661	2.5358298 ppb	99
9) Benzaldehyde	4.99	105	99467	3.9899054 ppb	97
10) 2-Chlorophenol	5.12	128	217587	6.5358021 ppb	99
11) n-Decane	5.11	41	107946	6.5935378 ppb	98
12) 1,3-Dichlorobenzene	5.21	146	241787	6.5290758 ppb	95
13) 1,4-Dichlorobenzene	5.25	146	249211	6.7577748 ppb	98
14) Benzyl Alcohol	5.31	79	142198	6.2855781 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	238798	6.8378857 ppb	97
16) bis(2-Chloroisopropyl)ethe	5.38	121	82371	7.3963902 ppb	98
17) 2-Methylphenol	5.35	108	156935	5.3622358 ppb	99
18) Hexachloroethane	5.55	117	88826	6.4989960 ppb #	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_26.D Vial: 21
Acq On : 7 Nov 2011 4:50 pm Operator: 377
Sample : msd 1x WG564071 L544884-01 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:53 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	165546	7.8887981	ppb		96
20)	3&4-Methyl phenol	5.44	107	176737	5.4093636	ppb		91
21)	Acetophenone	5.46	105	316160	8.1098043	ppb		99
24)	Nitrobenzene	5.57	77	221682	7.8999531	ppb		98
25)	Isophorone	5.70	82	370448	6.8435098	ppb		96
26)	2-Nitrophenol	5.75	139	134469	8.6137268	ppb		96
27)	2,4-Dimethylphenol	5.75	107	162087	6.5362815	ppb		97
28)	bis(2-Chlorethoxy)methane	5.81	93	288086	8.4210774	ppb		98
29)	2,4-Dichlorophenol	5.89	162	200387	8.3095040	ppb		87
30)	Benzoic Acid	5.77	105	25590m	2.8544310	ppb		
31)	1,2,4-Trichlorobenzene	5.95	180	217897	7.1957513	ppb		98
32)	Naphthalene	6.00	128	708953	7.9005232	ppb		100
33)	4-Chloroaniline	6.01	65	66508	7.9119336	ppb		97
34)	Hexachloro-1,3-butadiene	6.05	225	116427	7.9969262	ppb		98
35)	Caprolactam	6.21	113	17709	1.9518329	ppb		96
36)	4-Chloro-3-methylphenol	6.27	107	186264	7.7160980	ppb		97
37)	2-Methylnaphthalene	6.40	142	491102	8.8012894	ppb		99
38)	1-Methylnaphthalene	6.46	142	481851	8.5148591	ppb		98
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	216502	8.5993565	ppb		100
41)	Hexachlorocyclopentadiene	6.48	237	78534	7.4146110	ppb		97
42)	2,4,6-Trichlorophenol	6.55	196	144546	8.6989766	ppb		97
43)	2,4,5-Trichlorophenol	6.58	196	145941	8.5578597	ppb		96
45)	Biphenyl	6.66	154	605883	8.7033544	ppb		100
46)	2-Chloronaphthalene	6.69	162	458180	8.5052146	ppb		98
47)	2-Nitroaniline	6.73	138	155214	9.3795504	ppb		95
48)	Acenaphthylene	6.93	152	742204	9.1345387	ppb		99
49)	Dimethyl phthalate	6.81	163	465919	7.7235147	ppb		95
50)	2,6-Dinitrotoluene	6.86	165	126812	9.2633320	ppb		95
51)	3-Nitroaniline	6.97	138	93404m	11.8147019	ppb		
52)	Acenaphthene	7.03	153	481044	8.9890596	ppb		100
53)	2,4-Dinitrophenol	7.03	184	26207	6.0728263	ppb	#	1
54)	Dibenzofuran	7.13	168	628605	8.6254973	ppb		99
55)	2,4-Dinitrotoluene	7.10	165	159066	9.0947146	ppb		94
56)	2,3,4,6-Tetrachlorophenol	7.19	232	1258	0.1189969	ppb		90
58)	Fluorene	7.33	166	542170	9.4352219	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_26.D Vial: 21
Acq On : 7 Nov 2011 4:50 pm Operator: 377
Sample : msd 1x WG564071 L544884-01 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:53 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	264761	9.1057839 ppb		94
60)	Diethyl phthalate	7.22	149	494125	8.4873386 ppb		96
61)	4-Nitroaniline	7.33	138	89375m	13.2611848 ppb		
62)	Azobenzene	7.40	77	464652	8.4024081 ppb		99
63)	Atrazine	7.66	200	158209	9.3599991 ppb		98
65)	4,6-Dinitro-2-methylphenol	7.34	198	48623	6.9650649 ppb	#	60
66)	N-Nitrosodiphenylamine	7.37	169	430429	9.2442228 ppb		99
68)	4-Bromophenyl-phenylether	7.60	248	150194	9.2106515 ppb		99
69)	Hexachlorobenzene	7.66	284	151941	8.6200421 ppb		98
70)	n-octadecane	7.73	55	55126	5.5266755 ppb		99
71)	Pentachlorophenol	7.76	266	73210	7.5205249 ppb		96
72)	Phenanthrene	7.90	178	766035	9.3415347 ppb		98
73)	Anthracene	7.93	178	765191	9.8008903 ppb		99
74)	Carbazole	8.01	167	577831	8.9150856 ppb		98
75)	Di-n-butyl phthalate	8.16	149	1194833	12.1443150 ppb		99
76)	2-nitrodiphenylamine	8.28	167	174504	10.6336543 ppb		99
77)	Fluoranthene	8.63	202	783537	9.4776844 ppb		99
79)	Benzidine	8.68	184	45488	1.2926866 ppb		95
80)	Pyrene	8.80	202	792711	8.7983616 ppb		99
82)	Benzylbutyl phthalate	9.22	149	383629	8.8530621 ppb		96
83)	3,3-Dichlorobenzidine	9.83	252	192556	12.3914501 ppb		99
84)	Benzo(a)anthracene	9.90	228	574829	8.8576329 ppb		99
85)	Chrysene	9.94	228	527209	8.7304384 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	388003	5.9682947 ppb		99
87)	Di-n-octyl phthalate	10.66	149	537127	5.3079130 ppb		99
89)	Benzo(b)fluoranthene	11.43	252	586656m	8.4251368 ppb		
90)	Benzo(k)fluoranthene	11.48	252	558751	8.8842514 ppb		96
91)	Benzo(a)pyrene	12.02	252	552940	8.6061948 ppb		98
92)	Indeno(1,2,3-cd)pyrene	13.80	276	546229	6.7827889 ppb		96
94)	Benzo(g,h,i)perylene	14.31	276	455896	6.3864351 ppb		98

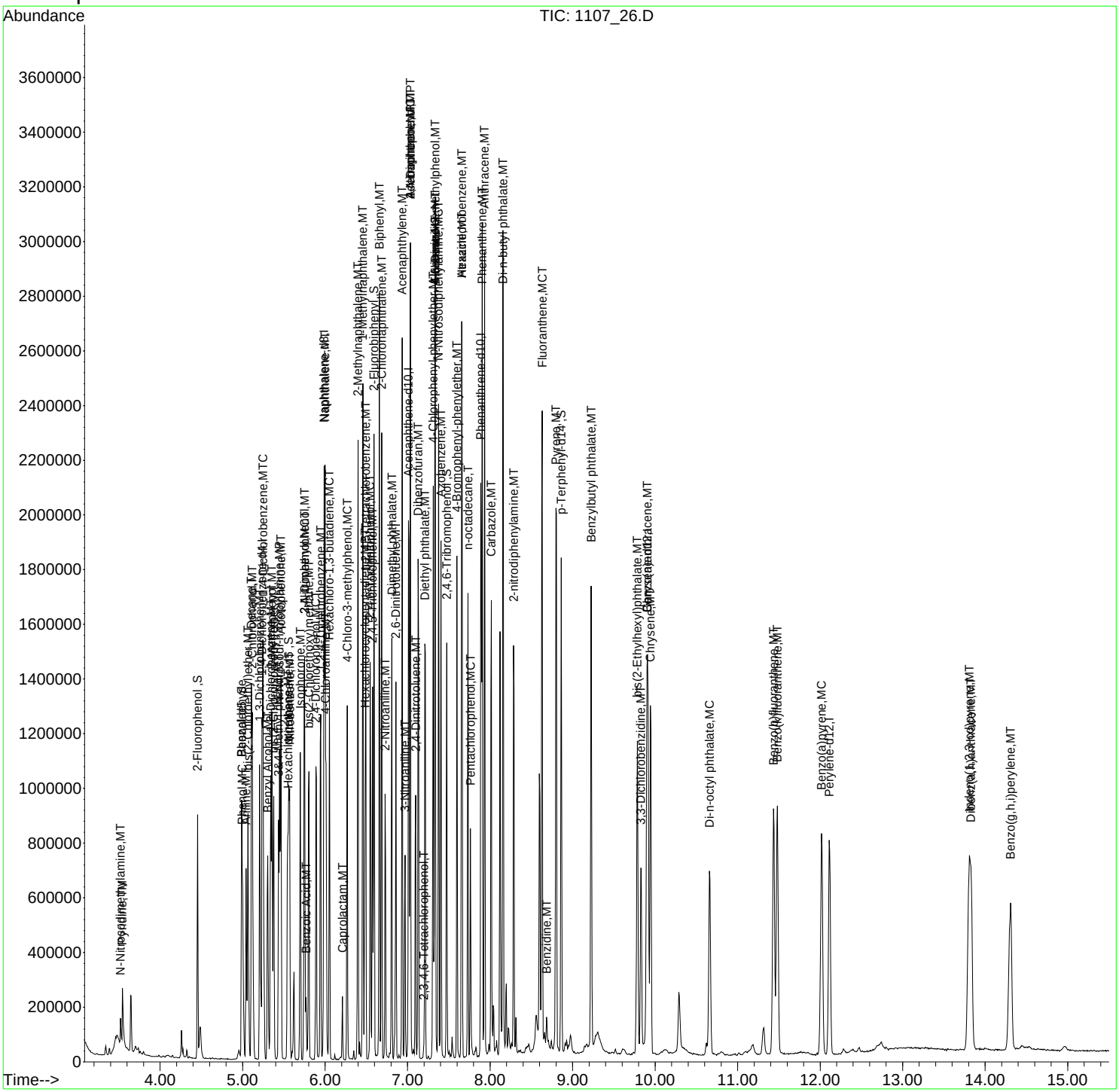
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_26.D Vial: 21
Acq On : 7 Nov 2011 4:50 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_27.D Vial: 22
Acq On : 7 Nov 2011 5:11 pm Operator: 377
Sample : L544884-02 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:56 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	187065	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	720120	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	395925	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	603469	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	442990	8000.00 ppb	0.00
88) Perylene-d12	12.12	264	519101	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.75	112	47759	1.5282761 ppb	0.31
Spiked Amount 20.000	Range 10 - 75		Recovery = 7.64%#		
7) Phenol-d5	4.99	99	1022	0.0313659 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.16%#		
23) Nitrobenzene-d5	5.56	82	197670	6.2560905 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 62.56%		
44) 2-Fluorobiphenyl	6.59	172	499007	7.9107847 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 79.11%		
67) 2,4,6-Tribromophenol	7.47	330	862	0.1319422 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.66%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 85.70%		

Target Compounds					Qvalue
2) Pyridine	3.45	79	57	N.D.	
3) N-Nitrosodimethylamine	3.49	42	773	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	5.29	93	1382	N.D.	
8) Phenol	5.02	94	139	N.D.	
9) Benzaldehyde	5.00	105	814	N.D.	
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	5.11	41	158771	9.7650542 ppb #	58
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	5.29	79	978	N.D.	
15) 1,2-Dichlorobenzene	5.36	146	55	N.D.	
16) bis(2-Chloroisopropyl)ethe	5.53	121	317	N.D.	
17) 2-Methylphenol	5.31	108	221	N.D.	
18) Hexachloroethane	0.00	117	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_27.D Vial: 22
Acq On : 7 Nov 2011 5:11 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:56 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.47	70	59	N.D.	
20)	3&4-Methyl phenol	5.29	107	554	N.D.	
21)	Acetophenone	5.47	105	448	N.D.	
24)	Nitrobenzene	5.56	77	1084	N.D.	
25)	Isophorone	5.91	82	912	N.D.	
26)	2-Nitrophenol	5.99	139	79	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	5.91	93	59	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.79	105	1007	1.1920084 ppb	94
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.00	128	1288	N.D.	
33)	4-Chloroaniline	5.98	65	1528	0.1732731 ppb #	1
34)	Hexachloro-1,3-butadiene	6.14	225	206	N.D.	
35)	Caprolactam	6.21	113	164	N.D.	
36)	4-Chloro-3-methylphenol	6.05	107	615	N.D.	
37)	2-Methylnaphthalene	6.40	142	260	N.D.	
38)	1-Methylnaphthalene	6.46	142	188	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.66	154	947	N.D.	
46)	2-Chloronaphthalene	6.64	162	442	N.D.	
47)	2-Nitroaniline	6.65	138	81	N.D.	
48)	Acenaphthylene	6.93	152	76	N.D.	
49)	Dimethyl phthalate	6.80	163	75	N.D.	
50)	2,6-Dinitrotoluene	6.87	165	223	N.D.	
51)	3-Nitroaniline	6.97	138	61	N.D.	
52)	Acenaphthene	7.02	153	78	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	7.13	168	219	N.D.	
55)	2,4-Dinitrotoluene	7.11	165	157	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	7.08	139	89	N.D.	
58)	Fluorene	7.28	166	54	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_27.D Vial: 22
Acq On : 7 Nov 2011 5:11 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:56 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.21	149	971	N.D.	
61)	4-Nitroaniline	7.29	138	178	Below Cal #	54
62)	Azobenzene	7.41	77	751	N.D.	
63)	Atrazine	8.11	200	345	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.37	169	81	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.73	55	2201	0.2195007 ppb #	38
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	7.81	178	57	N.D.	
73)	Anthracene	7.93	178	195	N.D.	
74)	Carbazole	8.01	167	88	N.D.	
75)	Di-n-butyl phthalate	8.16	149	21581	0.2181955 ppb	96
76)	2-nitrodiphenylamine	8.28	167	84	N.D.	
77)	Fluoranthene	8.63	202	274	N.D.	
79)	Benzidine	8.66	184	54	N.D.	
80)	Pyrene	8.80	202	183	N.D.	
82)	Benzylbutyl phthalate	9.22	149	732	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	9.91	228	1225	N.D.	
85)	Chrysene	9.91	228	1225	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	11923	0.1860055 ppb	96
87)	Di-n-octyl phthalate	10.65	149	4155	N.D.	
89)	Benzo(b)fluoranthene	11.43	252	71	N.D.	
90)	Benzo(k)fluoranthene	11.48	252	61	N.D.	
91)	Benzo(a)pyrene	12.00	252	54	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

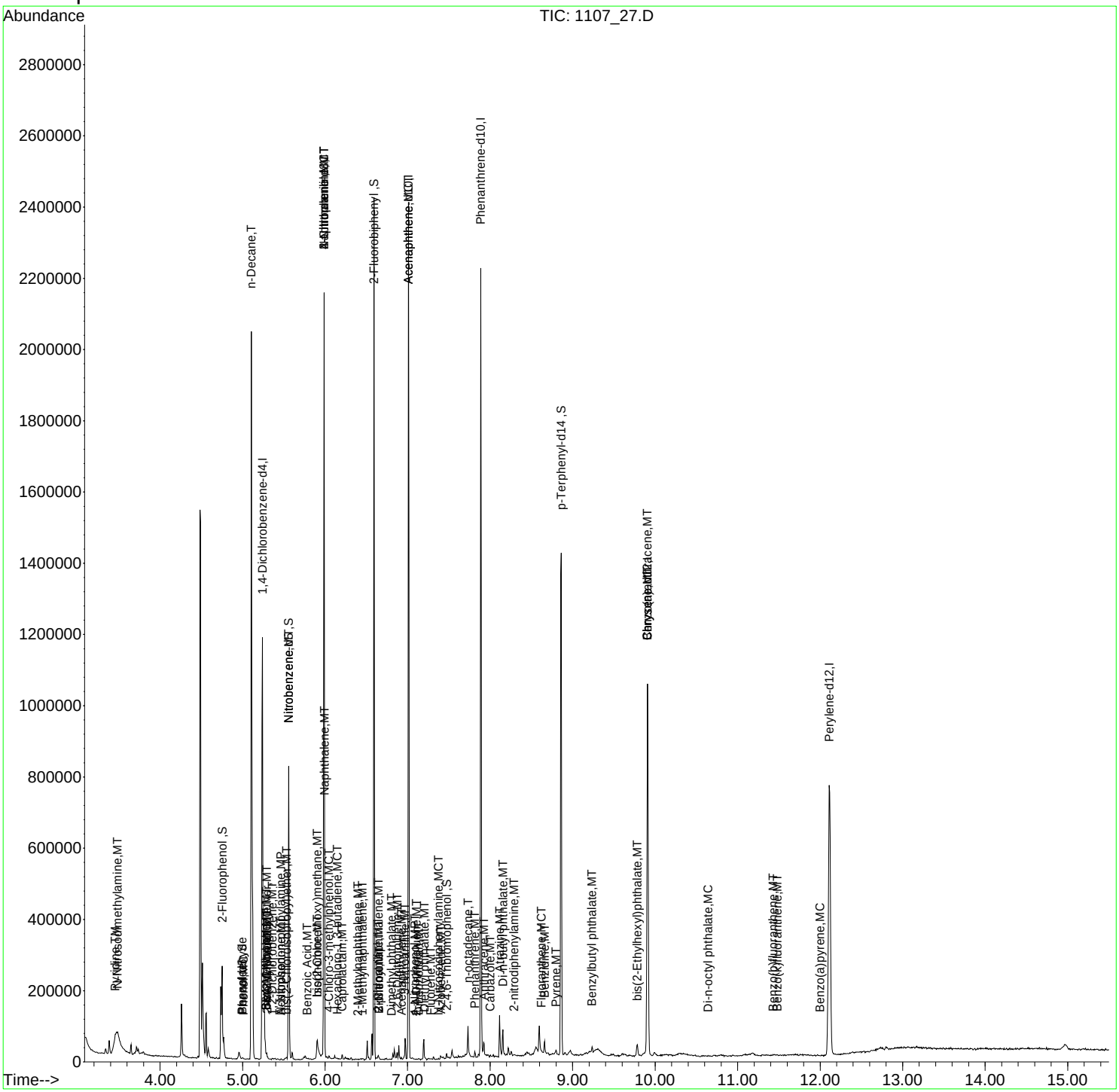
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_27.D Vial: 22
Acq On : 7 Nov 2011 5:11 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_28.D Vial: 23
Acq On : 7 Nov 2011 5:32 pm Operator: 377
Sample : L544884-03 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:57 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	178369	8000.00	ppb	0.00
22) Naphthalene-d8	5.99	136	693058	8000.00	ppb	0.00
40) Acenaphthene-d10	7.01	164	365894	8000.00	ppb	0.00
64) Phenanthrene-d10	7.89	188	565858	8000.00	ppb	0.00
78) Chrysene-d12	9.91	240	439947	8000.00	ppb	0.00
88) Perylene-d12	12.12	264	471172	8000.00	ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.46	112	2674	0.0897390	ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery	= 0.45%#		
7) Phenol-d5	4.99	99	1294	0.0416500	ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery	= 0.21%#		
23) Nitrobenzene-d5	5.56	82	189220	6.2224954	ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery	= 62.22%		
44) 2-Fluorobiphenyl	6.59	172	489640	8.3993843	ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery	= 83.99%		
67) 2,4,6-Tribromophenol	7.47	330	819	0.1336927	ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery	= 0.67%#		
Spiked Amount 10.000	Range 40 - 174		Recovery	= 86.28%		

Target Compounds						Qvalue
2) Pyridine	3.40	79	67	N.D.		
3) N-Nitrosodimethylamine	3.41	42	492	N.D.		
5) Aniline	4.87	93	61	N.D.		
6) bis(2-Chloroethyl)ether	5.07	93	845	N.D.		
8) Phenol	5.01	94	121	N.D.		
9) Benzaldehyde	5.00	105	1335	N.D.		
10) 2-Chlorophenol	0.00	128	0	N.D. d		
11) n-Decane	5.11	41	213111	13.7461951	ppb #	58
12) 1,3-Dichlorobenzene	5.24	146	67	N.D.		
13) 1,4-Dichlorobenzene	5.24	146	67	N.D.		
14) Benzyl Alcohol	5.31	79	475	N.D.		
15) 1,2-Dichlorobenzene	5.24	146	67	N.D.		
16) bis(2-Chloroisopropyl)ethe	5.47	121	55	N.D.		
17) 2-Methylphenol	5.31	108	75	N.D.		
18) Hexachloroethane	5.56	117	146	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_28.D Vial: 23
Acq On : 7 Nov 2011 5:32 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:57 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	220	N.D.	
20)	3&4-Methyl phenol	5.23	107	3496	N.D.	
21)	Acetophenone	5.46	105	342	N.D.	
24)	Nitrobenzene	5.56	77	1143	N.D.	
25)	Isophorone	5.75	82	886	N.D.	
26)	2-Nitrophenol	5.98	139	63	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	5.79	93	60	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.78	105	746	1.1769171 ppb	98
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.00	128	1075	N.D.	
33)	4-Chloroaniline	6.02	65	433	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.21	113	123	N.D.	
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	6.40	142	346	N.D.	
38)	1-Methylnaphthalene	6.59	142	185	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.66	154	858	N.D.	
46)	2-Chloronaphthalene	6.65	162	612	N.D.	
47)	2-Nitroaniline	6.82	138	109	N.D.	
48)	Acenaphthylene	6.93	152	68	N.D.	
49)	Dimethyl phthalate	6.82	163	111	N.D.	
50)	2,6-Dinitrotoluene	6.87	165	53	N.D.	
51)	3-Nitroaniline	6.97	138	55	N.D.	
52)	Acenaphthene	7.00	153	120	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	7.13	168	117	N.D.	
55)	2,4-Dinitrotoluene	7.12	165	57	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	0.00	139	0	N.D.	
58)	Fluorene	7.33	166	74	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_28.D Vial: 23
Acq On : 7 Nov 2011 5:32 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:57 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.21	149	969	N.D.	
61)	4-Nitroaniline	0.00	138	0	N.D.	
62)	Azobenzene	7.41	77	774	N.D.	
63)	Atrazine	7.53	200	171	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.84	55	1239	0.1317755 ppb #	49
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	7.90	178	809	N.D.	
73)	Anthracene	8.13	178	64	N.D.	
74)	Carbazole	8.01	167	146	N.D.	
75)	Di-n-butyl phthalate	8.16	149	16696	0.1800255 ppb	98
76)	2-nitrodiphenylamine	8.30	167	59	N.D.	
77)	Fluoranthene	8.63	202	261	N.D.	
79)	Benzidine	8.71	184	79	N.D.	
80)	Pyrene	8.80	202	178	N.D.	
82)	Benzylbutyl phthalate	9.23	149	782	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	9.91	228	936	N.D.	
85)	Chrysene	9.94	228	60	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	7408	N.D.	
87)	Di-n-octyl phthalate	10.56	149	277	N.D.	
89)	Benzo(b)fluoranthene	11.44	252	63	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.12	252	1442	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

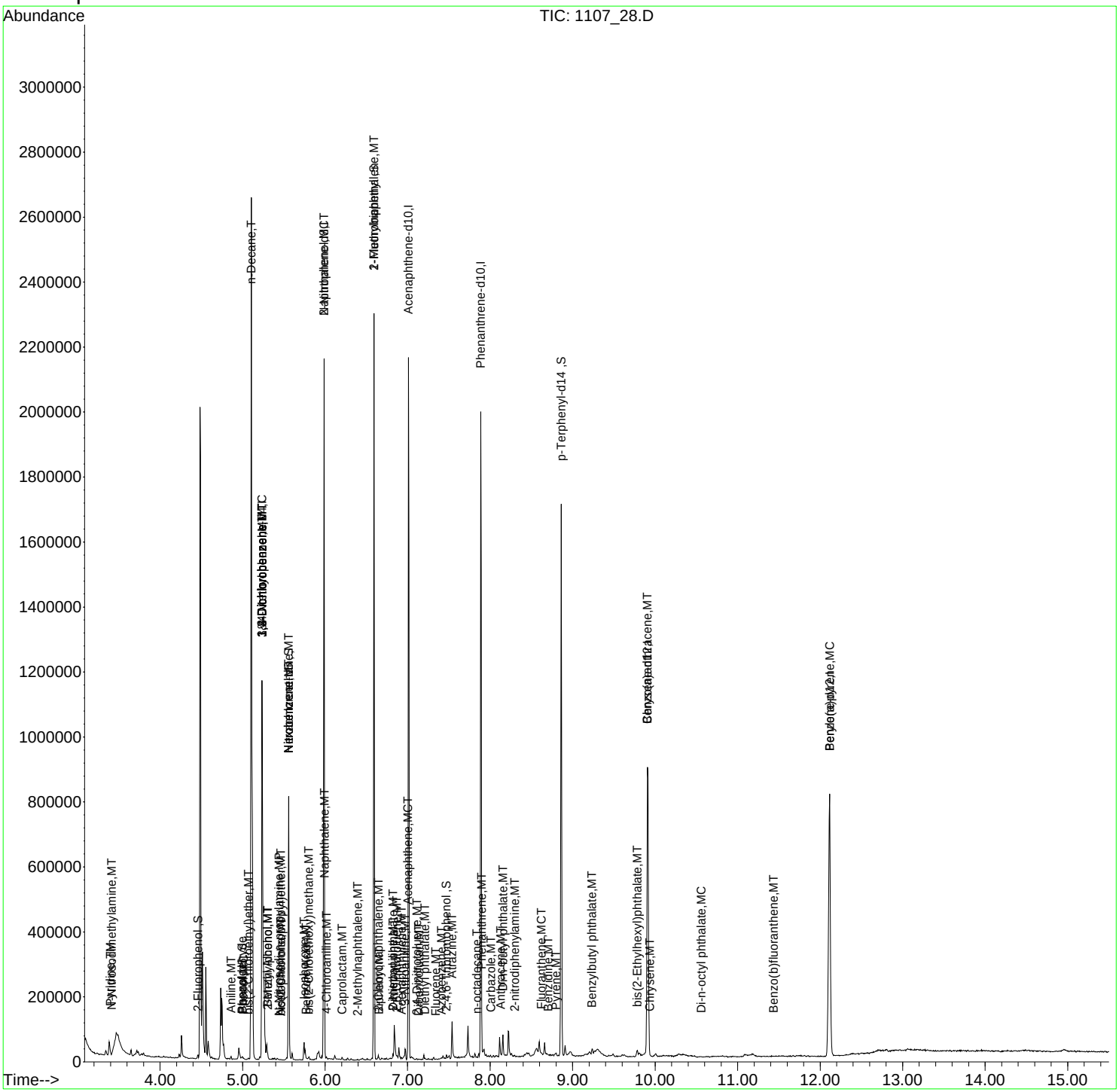
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_28.D Vial: 23
Acq On : 7 Nov 2011 5:32 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_29.D Vial: 24
Acq On : 7 Nov 2011 5:53 pm Operator: 377
Sample : L544884-04 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:57 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	181536	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	709667	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	396738	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	610635	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	452650	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	502630	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	2071	0.0682899 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.34%#		
7) Phenol-d5	5.24	99	1870	0.0591397 ppb	0.25
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.30%#		
23) Nitrobenzene-d5	5.56	82	188449	6.0521036 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 60.52%		
44) 2-Fluorobiphenyl	6.59	172	458618	7.2555970 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 72.56%		
67) 2,4,6-Tribromophenol	7.47	330	1143	0.1729004 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.86%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 77.98%		

Target Compounds

					Qvalue
2) Pyridine	3.37	79	58	N.D.	
3) N-Nitrosodimethylamine	3.55	42	339	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	5.46	93	66	N.D.	
8) Phenol	5.02	94	67	N.D.	
9) Benzaldehyde	4.99	105	991	N.D.	
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	5.11	41	111460	7.0640260 ppb #	59
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	5.31	79	72	N.D.	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	5.54	121	308	N.D.	
17) 2-Methylphenol	5.24	108	567	N.D.	
18) Hexachloroethane	0.00	117	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_29.D Vial: 24
Acq On : 7 Nov 2011 5:53 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:57 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.42	70	136	N.D.	
20)	3&4-Methyl phenol	5.55	107	59	N.D.	
21)	Acetophenone	5.46	105	421	N.D.	
24)	Nitrobenzene	5.58	77	172	N.D.	
25)	Isophorone	5.75	82	1061	N.D.	
26)	2-Nitrophenol	5.99	139	69	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	5.96	93	55	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.78	105	347	1.1493770 ppb	85
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.00	128	623	N.D.	
33)	4-Chloroaniline	6.02	65	70	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.20	113	259	N.D.	
36)	4-Chloro-3-methylphenol	6.05	107	550	N.D.	
37)	2-Methylnaphthalene	6.40	142	191	N.D.	
38)	1-Methylnaphthalene	6.59	142	273	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.66	154	676	N.D.	
46)	2-Chloronaphthalene	6.65	162	446	N.D.	
47)	2-Nitroaniline	6.82	138	55	N.D.	
48)	Acenaphthylene	7.06	152	53	N.D.	
49)	Dimethyl phthalate	6.80	163	124	N.D.	
50)	2,6-Dinitrotoluene	6.86	165	56	N.D.	
51)	3-Nitroaniline	7.01	138	66	N.D.	
52)	Acenaphthene	7.13	153	93	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	7.13	168	76	N.D.	
55)	2,4-Dinitrotoluene	7.10	165	197	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	7.05	139	60	N.D.	
58)	Fluorene	7.47	166	58	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_29.D Vial: 24
Acq On : 7 Nov 2011 5:53 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:57 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.21	149	1030	N.D.	
61)	4-Nitroaniline	7.29	138	71	Below Cal #	54
62)	Azobenzene	7.41	77	714	N.D.	
63)	Atrazine	8.01	200	67	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.89	55	3946	0.3889074 ppb #	79
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	7.93	178	80	N.D.	
73)	Anthracene	7.75	178	60	N.D.	
74)	Carbazole	8.01	167	70	N.D.	
75)	Di-n-butyl phthalate	8.16	149	43609	0.4357361 ppb	98
76)	2-nitrodiphenylamine	0.00	167	0	N.D.	
77)	Fluoranthene	8.63	202	190	N.D.	
79)	Benzidine	8.65	184	64	N.D.	
80)	Pyrene	8.80	202	205	N.D.	
82)	Benzylbutyl phthalate	9.22	149	430	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	9.91	228	854	N.D.	
85)	Chrysene	9.91	228	854	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	11031	0.1684172 ppb	95
87)	Di-n-octyl phthalate	10.64	149	230	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.11	252	1391	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

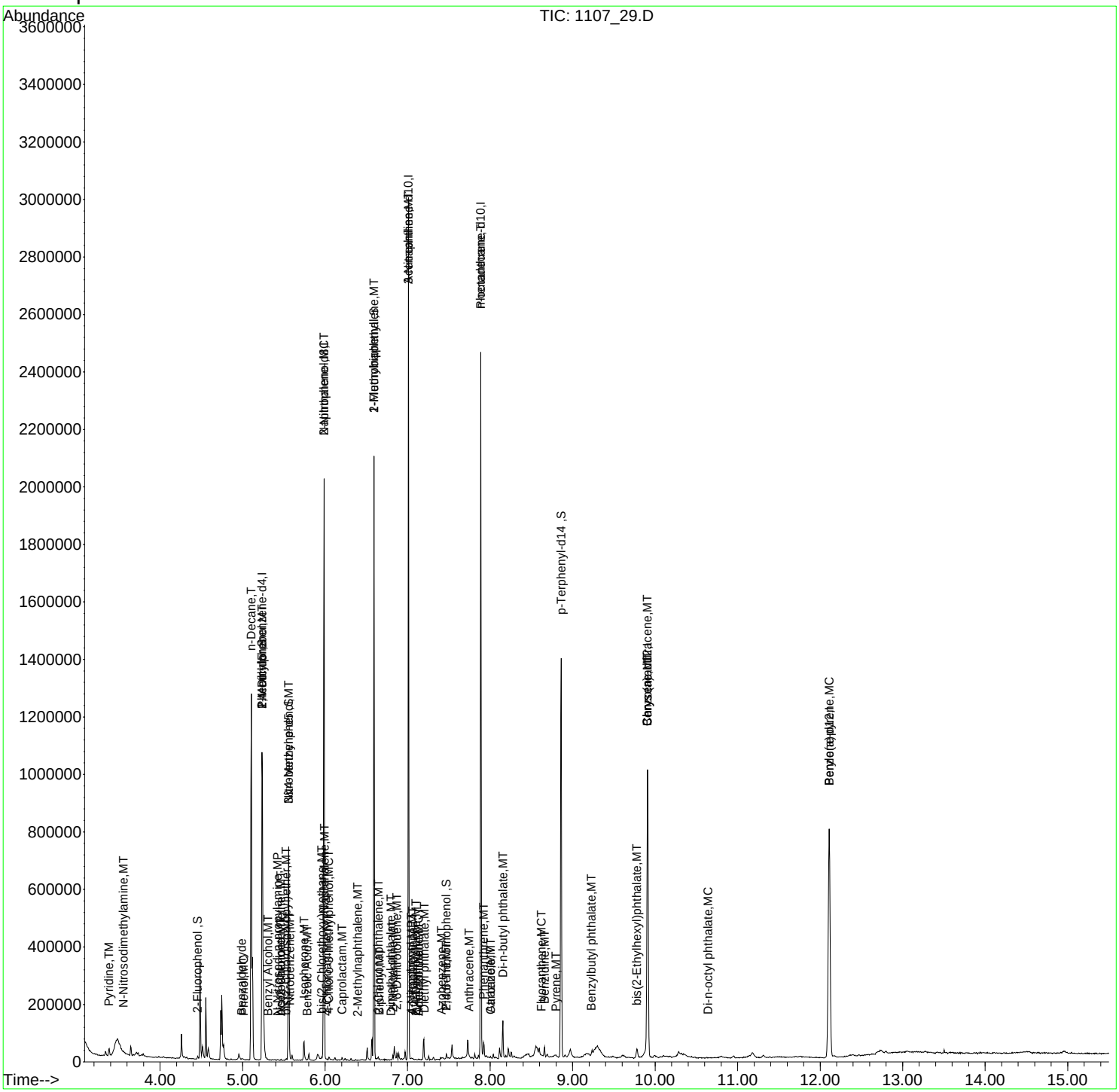
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_29.D Vial: 24
Acq On : 7 Nov 2011 5:53 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_30.D Vial: 25
Acq On : 7 Nov 2011 6:14 pm Operator: 377
Sample : L544884-05 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:58 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	180433	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	696505	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	376248	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	578984	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	425405	8000.00 ppb	0.00
88) Perylene-d12	12.12	264	495247	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	1246	0.0413372 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.21%#		
7) Phenol-d5	5.00	99	875	0.0278415 ppb	0.01
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.14%#		
23) Nitrobenzene-d5	5.56	82	204036	6.6765129 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 66.77%		
44) 2-Fluorobiphenyl	6.59	172	524485	8.7495300 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 87.50%		
67) 2,4,6-Tribromophenol	7.47	330	1171	0.1868193 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.93%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 88.25%		

Target Compounds

					Qvalue
2) Pyridine	3.72	79	64	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	5.07	93	54	N.D.	
8) Phenol	5.02	94	76	N.D.	
9) Benzaldehyde	5.01	105	656	N.D.	
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	5.11	41	165821	10.5735196 ppb #	58
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	5.32	79	344	N.D.	
15) 1,2-Dichlorobenzene	5.35	146	61	N.D.	
16) bis(2-Chloroisopropyl)ethe	5.53	121	456	N.D.	
17) 2-Methylphenol	5.32	108	56	N.D.	
18) Hexachloroethane	0.00	117	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_30.D Vial: 25
Acq On : 7 Nov 2011 6:14 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:58 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.42	70	109	N.D.	
20)	3&4-Methyl phenol	5.35	107	186	N.D.	
21)	Acetophenone	5.46	105	455	N.D.	
24)	Nitrobenzene	5.58	77	206	N.D.	
25)	Isophorone	5.74	82	1157	N.D.	
26)	2-Nitrophenol	5.61	139	59	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	5.99	93	297	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.58	105	277	1.1450975 ppb	88
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.00	128	828	N.D.	
33)	4-Chloroaniline	6.02	65	60	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.21	113	137	N.D.	
36)	4-Chloro-3-methylphenol	6.42	107	579	N.D.	
37)	2-Methylnaphthalene	6.40	142	266	N.D.	
38)	1-Methylnaphthalene	6.46	142	92	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.66	154	914	N.D.	
46)	2-Chloronaphthalene	6.65	162	522	N.D.	
47)	2-Nitroaniline	6.82	138	110	N.D.	
48)	Acenaphthylene	6.82	152	61	N.D.	
49)	Dimethyl phthalate	6.81	163	152	N.D.	
50)	2,6-Dinitrotoluene	6.89	165	75	N.D.	
51)	3-Nitroaniline	6.87	138	233	N.D.	
52)	Acenaphthene	7.13	153	4412	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	7.13	168	92	N.D.	
55)	2,4-Dinitrotoluene	7.10	165	133	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	7.05	139	57	N.D.	
58)	Fluorene	7.31	166	71	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_30.D Vial: 25
Acq On : 7 Nov 2011 6:14 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:58 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.21	149	1032	N.D.	
61)	4-Nitroaniline	7.25	138	74	Below Cal #	1
62)	Azobenzene	7.41	77	4774	N.D.	
63)	Atrazine	7.54	200	137	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.37	169	55	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.89	55	5357	0.5568341 ppb #	68
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	7.86	178	78	N.D.	
73)	Anthracene	7.90	178	838	N.D.	
74)	Carbazole	8.00	167	68	N.D.	
75)	Di-n-butyl phthalate	8.16	149	43692	0.4604309 ppb	98
76)	2-nitrodiphenylamine	8.28	167	414	N.D.	
77)	Fluoranthene	8.66	202	521	N.D.	
79)	Benzidine	8.68	184	68	N.D.	
80)	Pyrene	8.86	202	2409	N.D.	
82)	Benzylbutyl phthalate	9.14	149	703	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	9.91	228	1120	N.D.	
85)	Chrysene	9.95	228	55	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	11198	0.1819165 ppb	98
87)	Di-n-octyl phthalate	10.56	149	581	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.10	252	1448	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

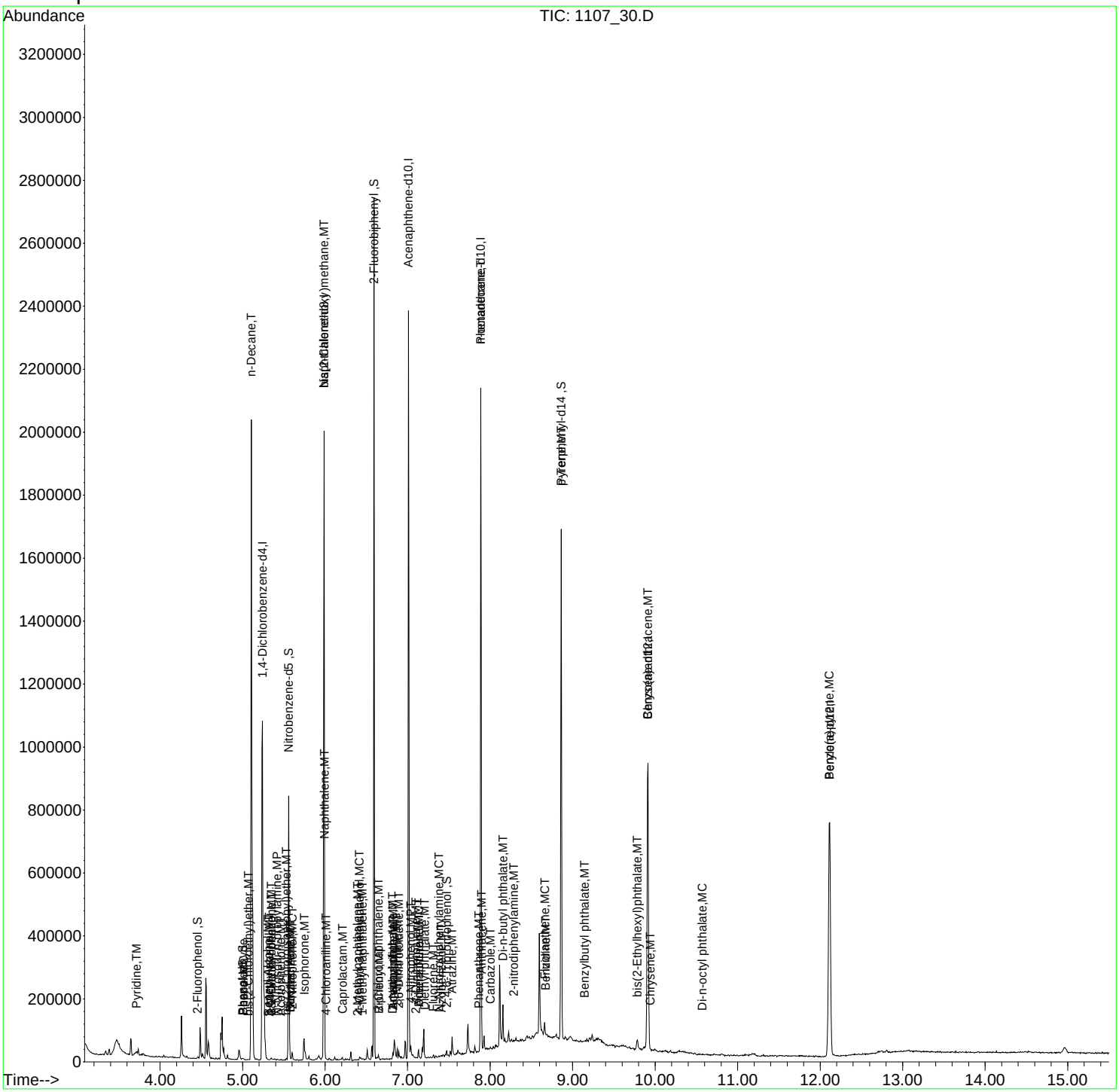
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_30.D Vial: 25
Acq On : 7 Nov 2011 6:14 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_31.D Vial: 26
Acq On : 7 Nov 2011 6:35 pm Operator: 377
Sample : L544884-06 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:59 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	175235	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	660937	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	368142	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	539515	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	410292	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	476381	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.46	112	2535	0.0865957 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.43%#		
7) Phenol-d5	4.99	99	1560	0.0511097 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.26%#		
23) Nitrobenzene-d5	5.56	82	202990	6.9997368 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 70.00%		
44) 2-Fluorobiphenyl	6.59	172	474263	8.0859254 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 80.86%		
67) 2,4,6-Tribromophenol	7.47	330	2123	0.3634778 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 1.82%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 81.45%		

Target Compounds					Qvalue
2) Pyridine	3.48	79	54	N.D.	
3) N-Nitrosodimethylamine	3.51	42	1173	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	5.46	93	377	N.D.	
8) Phenol	5.01	94	228	N.D.	
9) Benzaldehyde	4.99	105	846	N.D.	
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	5.11	41	236136	15.5037717 ppb #	57
12) 1,3-Dichlorobenzene	5.25	146	62	N.D.	
13) 1,4-Dichlorobenzene	5.25	146	62	N.D.	
14) Benzyl Alcohol	5.31	79	456	N.D.	
15) 1,2-Dichlorobenzene	5.25	146	62	N.D.	
16) bis(2-Chloroisopropyl)ethe	5.53	121	451	N.D.	
17) 2-Methylphenol	5.31	108	383	N.D.	
18) Hexachloroethane	0.00	117	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_31.D Vial: 26
Acq On : 7 Nov 2011 6:35 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:59 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.46	70	440	N.D.	
20)	3&4-Methyl phenol	5.42	107	67	N.D.	
21)	Acetophenone	5.46	105	727	N.D.	
24)	Nitrobenzene	5.56	77	1024	N.D.	
25)	Isophorone	5.84	82	915	N.D.	
26)	2-Nitrophenol	5.60	139	57	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	5.84	93	156	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.78	105	1045	1.2005704 ppb #	59
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.00	128	1176	N.D.	
33)	4-Chloroaniline	6.02	65	485	N.D.	
34)	Hexachloro-1,3-butadiene	6.14	225	65	N.D.	
35)	Caprolactam	6.21	113	125	N.D.	
36)	4-Chloro-3-methylphenol	6.28	107	586	N.D.	
37)	2-Methylnaphthalene	6.39	142	193	N.D.	
38)	1-Methylnaphthalene	6.46	142	93	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.66	154	910	N.D.	
46)	2-Chloronaphthalene	6.72	162	154	N.D.	
47)	2-Nitroaniline	6.74	138	423	N.D.	
48)	Acenaphthylene	6.84	152	75	N.D.	
49)	Dimethyl phthalate	6.92	163	529	N.D.	
50)	2,6-Dinitrotoluene	6.86	165	124	N.D.	
51)	3-Nitroaniline	6.95	138	1656	0.2148096 ppb #	32
52)	Acenaphthene	6.96	153	142	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D. d	
54)	Dibenzofuran	7.13	168	632	N.D.	
55)	2,4-Dinitrotoluene	7.10	165	748	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	0.00	139	0	N.D. d	
58)	Fluorene	7.28	166	573	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_31.D Vial: 26
Acq On : 7 Nov 2011 6:35 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:59 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	7.32	204	154	N.D.	
60)	Diethyl phthalate	7.21	149	1424	N.D.	
61)	4-Nitroaniline	7.34	138	172	Below Cal #	1
62)	Azobenzene	7.37	77	1822	N.D.	
63)	Atrazine	7.65	200	147	N.D.	
65)	4,6-Dinitro-2-methylphenol	7.20	198	113	N.D.	
66)	N-Nitrosodiphenylamine	7.37	169	236	N.D.	
68)	4-Bromophenyl-phenylether	7.82	248	157	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.54	55	37102	4.1387059 ppb #	40
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	7.97	178	1070	N.D.	
73)	Anthracene	7.97	178	1070	N.D.	
74)	Carbazole	8.01	167	345	N.D.	
75)	Di-n-butyl phthalate	8.16	149	30768	0.3479564 ppb	97
76)	2-nitrodiphenylamine	8.28	167	726	N.D.	
77)	Fluoranthene	8.56	202	937	N.D.	
79)	Benzidine	8.67	184	618	N.D.	
80)	Pyrene	8.85	202	2381	N.D.	
82)	Benzylbutyl phthalate	9.23	149	4558	N.D.	
83)	3,3-Dichlorobenzidine	9.84	252	56	N.D.	
84)	Benzo(a)anthracene	9.91	228	1594	N.D.	
85)	Chrysene	9.96	228	126	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	8830	0.1487311 ppb	95
87)	Di-n-octyl phthalate	10.72	149	408	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	11.62	252	55	N.D.	
91)	Benzo(a)pyrene	11.96	252	118	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

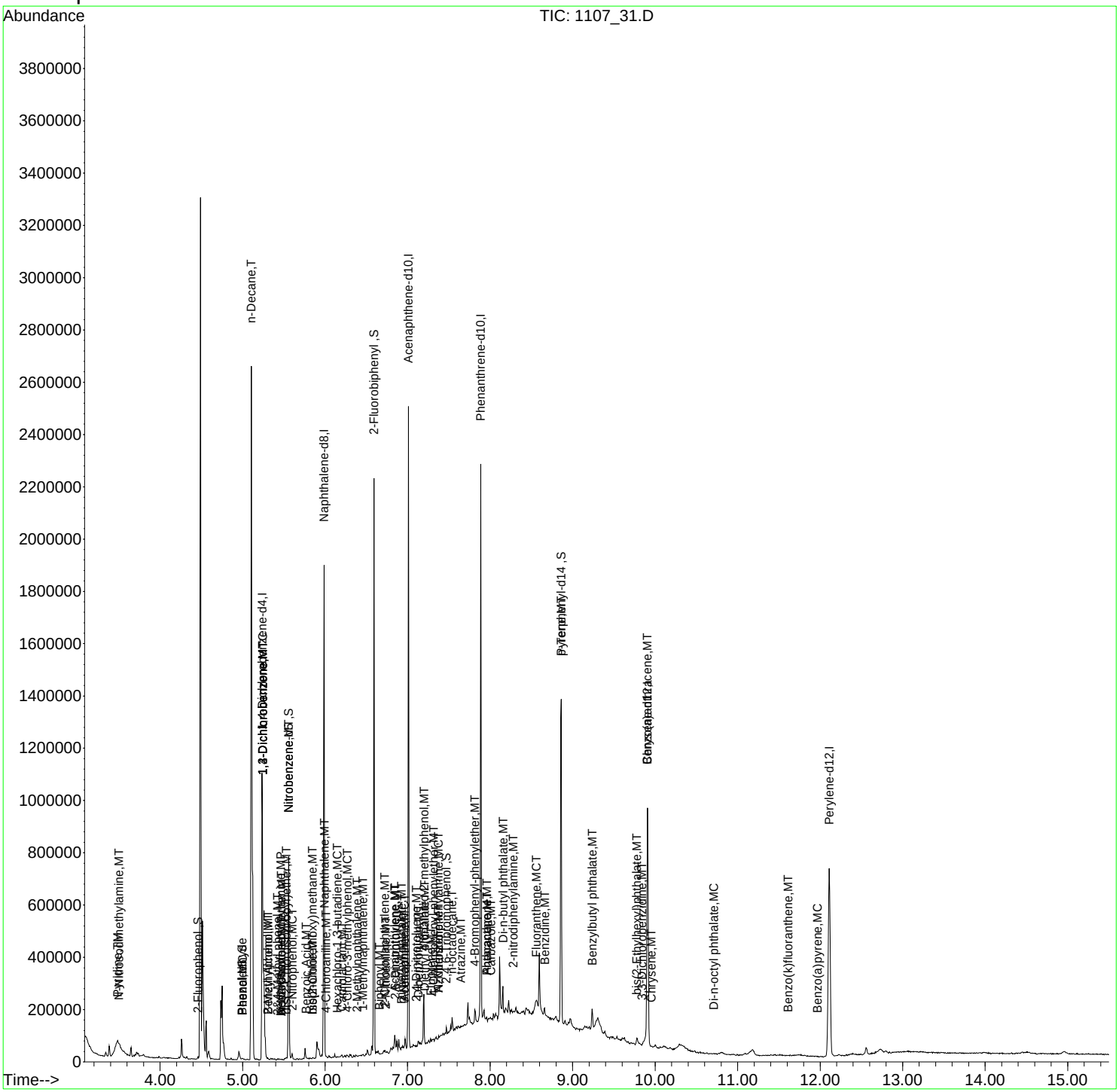
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_31.D Vial: 26
Acq On : 7 Nov 2011 6:35 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_32.D Vial: 27
Acq On : 7 Nov 2011 6:56 pm Operator: 377
Sample : L544884-07 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:59 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	177788	8000.00	ppb	0.00
22) Naphthalene-d8	5.99	136	684658	8000.00	ppb	0.00
40) Acenaphthene-d10	7.01	164	374016	8000.00	ppb	0.00
64) Phenanthrene-d10	7.89	188	577803	8000.00	ppb	0.00
78) Chrysene-d12	9.91	240	424873	8000.00	ppb	0.00
88) Perylene-d12	12.12	264	486686	8000.00	ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	3524	0.1186513	ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery	= 0.59%#		
7) Phenol-d5	4.99	99	1352	0.0436590	ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery	= 0.22%#		
23) Nitrobenzene-d5	5.56	82	213379	7.1030540	ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery	= 71.03%		
44) 2-Fluorobiphenyl	6.59	172	510024	8.5590642	ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery	= 85.59%		
67) 2,4,6-Tribromophenol	7.47	330	1864	0.2979871	ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery	= 1.49%#		
Spiked Amount 10.000	Range 40 - 174		Recovery	= 82.27%		

Target Compounds						Qvalue
2) Pyridine	3.34	79	55	N.D.		
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d		
5) Aniline	4.85	93	55	N.D.		
6) bis(2-Chloroethyl)ether	5.24	93	66	N.D.		
8) Phenol	5.02	94	131	N.D.		
9) Benzaldehyde	5.23	105	33611	1.4283895	ppb #	10
10) 2-Chlorophenol	0.00	128	0	N.D. d		
11) n-Decane	5.11	41	196716	12.7301422	ppb #	56
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
14) Benzyl Alcohol	5.29	79	650	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) bis(2-Chloroisopropyl)ethe	5.29	121	487	N.D.		
17) 2-Methylphenol	5.31	108	192	N.D.		
18) Hexachloroethane	5.59	117	177	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_32.D Vial: 27
Acq On : 7 Nov 2011 6:56 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:59 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20)	3&4-Methyl phenol	5.23	107	11487	0.3724834 ppb #	37
21)	Acetophenone	5.23	105	33611	0.9134116 ppb #	29
24)	Nitrobenzene	5.56	77	792	N.D.	
25)	Isophorone	5.81	82	895	N.D.	
26)	2-Nitrophenol	5.98	139	128	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	5.91	93	63	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.79	105	217	1.1413105 ppb #	56
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.00	128	861	N.D.	
33)	4-Chloroaniline	6.02	65	130	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.21	113	117	N.D.	
36)	4-Chloro-3-methylphenol	6.05	107	453	N.D.	
37)	2-Methylnaphthalene	6.39	142	170	N.D.	
38)	1-Methylnaphthalene	6.46	142	169	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.66	154	765	N.D.	
46)	2-Chloronaphthalene	6.65	162	421	N.D.	
47)	2-Nitroaniline	6.82	138	118	N.D.	
48)	Acenaphthylene	7.03	152	54	N.D.	
49)	Dimethyl phthalate	6.89	163	972	N.D.	
50)	2,6-Dinitrotoluene	6.87	165	64	N.D.	
51)	3-Nitroaniline	6.86	138	60	N.D.	
52)	Acenaphthene	7.04	153	55	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	7.13	168	155	N.D.	
55)	2,4-Dinitrotoluene	7.10	165	100	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	7.13	139	60	N.D.	
58)	Fluorene	7.40	166	65	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_32.D Vial: 27
Acq On : 7 Nov 2011 6:56 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 12:59 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	7.39	204	55	N.D.	
60)	Diethyl phthalate	7.21	149	1625	N.D.	
61)	4-Nitroaniline	7.49	138	58	Below Cal #	7
62)	Azobenzene	7.41	77	1418	N.D.	
63)	Atrazine	7.54	200	104	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.47	169	111	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.73	55	1833	0.1909209 ppb #	40
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	7.64	178	59	N.D.	
73)	Anthracene	7.93	178	120	N.D.	
74)	Carbazole	7.93	167	450	N.D.	
75)	Di-n-butyl phthalate	8.16	149	51861	0.5476337 ppb	99
76)	2-nitrodiphenylamine	0.00	167	0	N.D.	
77)	Fluoranthene	8.63	202	147	N.D.	
79)	Benzidine	8.41	184	88	N.D.	
80)	Pyrene	8.80	202	110	N.D.	
82)	Benzylbutyl phthalate	9.23	149	648	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	9.91	228	969	N.D.	
85)	Chrysene	9.91	228	969	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	10051	0.1634874 ppb	94
87)	Di-n-octyl phthalate	10.66	149	1605	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.12	252	1442	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

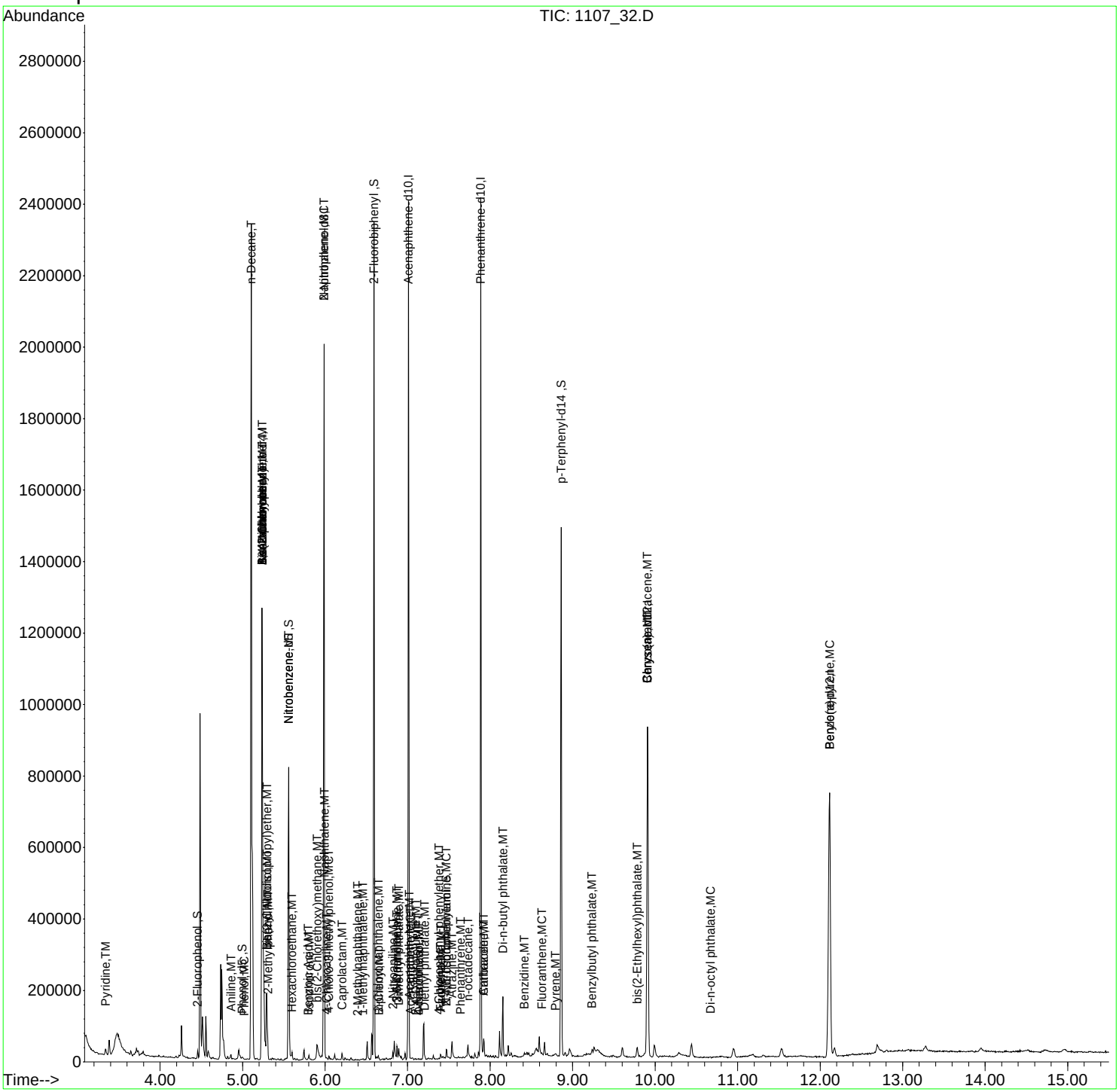
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_32.D Vial: 27
Acq On : 7 Nov 2011 6:56 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_33.D Vial: 28
Acq On : 7 Nov 2011 7:18 pm Operator: 377
Sample : L544884-08 1x WG564071 1000-1 Inst : BNAMS10
Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 13:00 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	185638	8000.00	ppb	0.00
22) Naphthalene-d8	5.99	136	709629	8000.00	ppb	0.00
40) Acenaphthene-d10	7.01	164	387307	8000.00	ppb	0.00
64) Phenanthrene-d10	7.89	188	582086	8000.00	ppb	0.00
78) Chrysene-d12	9.91	240	427723	8000.00	ppb	0.00
88) Perylene-d12	12.12	264	503251	8000.00	ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	81196	2.6182245	ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery	= 13.09%		
7) Phenol-d5	4.99	99	111406	3.4454158	ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery	= 17.23%		
23) Nitrobenzene-d5	5.56	82	205774	6.6088558	ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery	= 66.09%		
44) 2-Fluorobiphenyl	6.59	172	497208	8.0576540	ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery	= 80.58%		
67) 2,4,6-Tribromophenol	7.47	330	48401	7.6806610	ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery	= 38.40%		
Spiked Amount 10.000	Range 40 - 174		Recovery	= 88.47%		

Target Compounds						Qvalue
2) Pyridine	3.73	79	56	N.D.		
3) N-Nitrosodimethylamine	0.00	42	0	N.D.	d	
5) Aniline	0.00	93	0	N.D.		
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
8) Phenol	4.99	94	286	N.D.		
9) Benzaldehyde	5.00	105	381	N.D.		
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) n-Decane	5.11	41	6796	0.4211943	ppb	89
12) 1,3-Dichlorobenzene	5.25	146	345	N.D.		
13) 1,4-Dichlorobenzene	5.25	146	345	N.D.		
14) Benzyl Alcohol	5.31	79	67	N.D.		
15) 1,2-Dichlorobenzene	5.25	146	345	N.D.		
16) bis(2-Chloroisopropyl)ethe	5.53	121	405	N.D.		
17) 2-Methylphenol	5.34	108	60	N.D.		
18) Hexachloroethane	5.33	117	63	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_33.D Vial: 28
Acq On : 7 Nov 2011 7:18 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 13:00 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.42	70	277	N.D.	
20)	3&4-Methyl phenol	0.00	107	0	N.D.	
21)	Acetophenone	5.46	105	583	N.D.	
24)	Nitrobenzene	5.56	77	747	N.D.	
25)	Isophorone	0.00	82	0	N.D.	
26)	2-Nitrophenol	5.86	139	177	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	5.86	93	533	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.81	105	60	1.1304111 ppb #	18
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.00	128	156	N.D.	
33)	4-Chloroaniline	6.02	65	54	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.20	113	160	N.D.	
36)	4-Chloro-3-methylphenol	6.28	107	1693	N.D.	
37)	2-Methylnaphthalene	6.39	142	65	N.D.	
38)	1-Methylnaphthalene	6.59	142	256	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.66	154	995	N.D.	
46)	2-Chloronaphthalene	6.65	162	699	N.D.	
47)	2-Nitroaniline	6.59	138	321	N.D.	
48)	Acenaphthylene	7.02	152	53	N.D.	
49)	Dimethyl phthalate	6.81	163	176	N.D.	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	0.00	138	0	N.D.	
52)	Acenaphthene	0.00	153	0	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	7.01	168	62	N.D.	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	0.00	139	0	N.D.	
58)	Fluorene	7.47	166	3356	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_33.D Vial: 28
Acq On : 7 Nov 2011 7:18 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 13:00 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
60)	Diethyl phthalate	7.21	149	385	N.D.		
61)	4-Nitroaniline	0.00	138	0	N.D.		
62)	Azobenzene	7.41	77	438	N.D.		
63)	Atrazine	0.00	200	0	N.D.		
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.		
66)	N-Nitrosodiphenylamine	7.47	169	1872	N.D.		
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.		
69)	Hexachlorobenzene	0.00	284	0	N.D.		
70)	n-octadecane	7.89	55	1452	0.1501240 ppb	#	15
71)	Pentachlorophenol	0.00	266	0	N.D.		
72)	Phenanthrene	8.16	178	55	N.D.		
73)	Anthracene	7.89	178	441	N.D.		
74)	Carbazole	8.06	167	63	N.D.		
75)	Di-n-butyl phthalate	8.16	149	42484	0.4453150 ppb		99
76)	2-nitrodiphenylamine	8.26	167	57	N.D.		
77)	Fluoranthene	8.63	202	70	N.D.		
79)	Benzidine	8.66	184	71	N.D.		
80)	Pyrene	8.80	202	312	N.D.		
82)	Benzylbutyl phthalate	9.22	149	513	N.D.		
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.91	228	891	N.D.		
85)	Chrysene	9.91	228	891	N.D.		
86)	bis(2-Ethylhexyl)phthalate	9.78	149	14691	0.2373684 ppb		97
87)	Di-n-octyl phthalate	10.66	149	3787	N.D.		
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.		
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.		
91)	Benzo(a)pyrene	12.11	252	1502	N.D.		
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.		

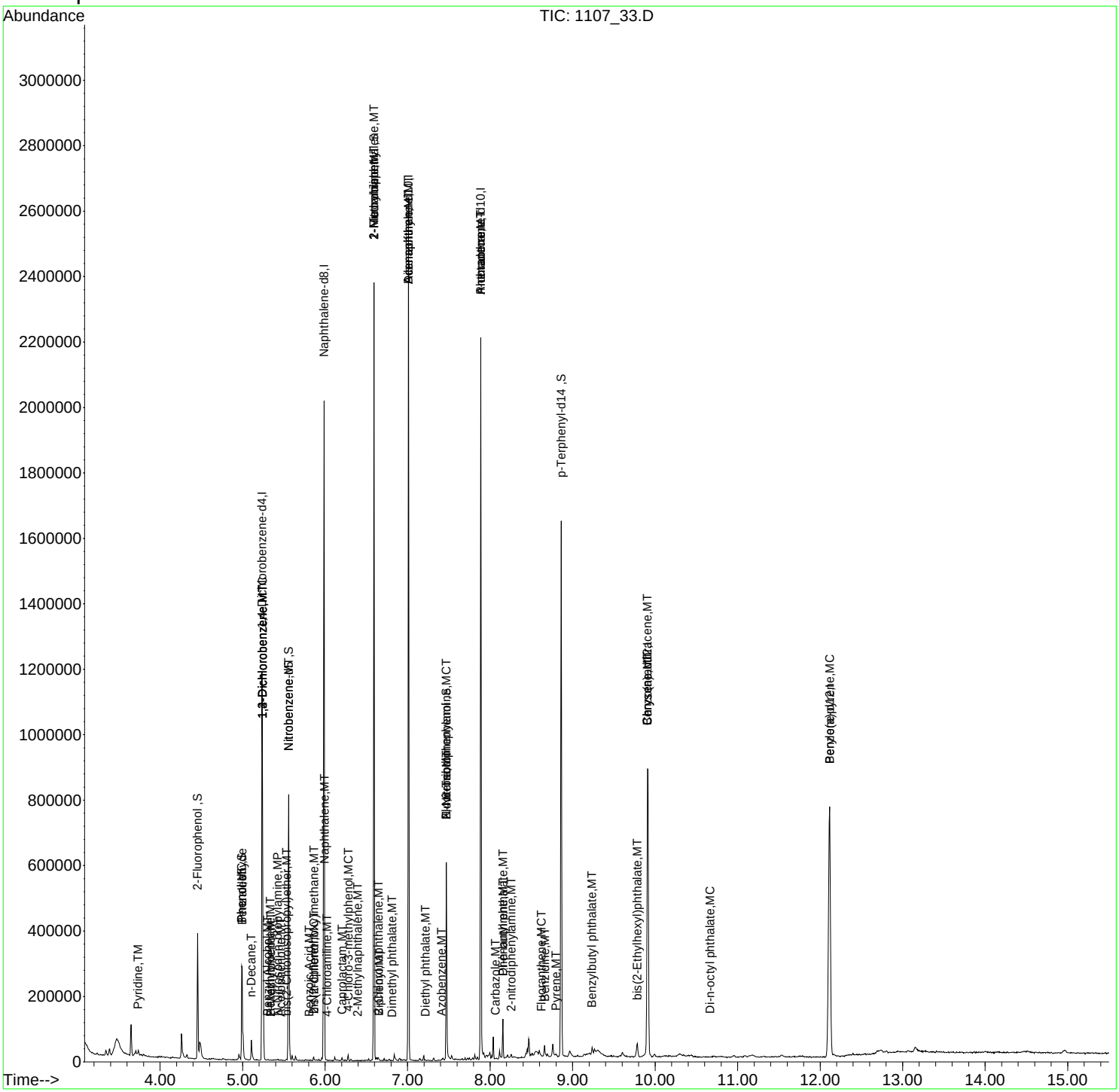
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110711\1107_33.D Vial: 28
Acq On : 7 Nov 2011 7:18 pm Operator: 377

Misc : water sur11K01660/spk11J25316 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



Injection Log

Directory: C:\MSDCHEM\1\DATA\110811

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	1108_00.d	1.	INSTBLK SVMS	instrument blank	8 Nov 2011 09:04
2	1	1108_01.d	1.	TUNE 50 ppm	dftpp	8 Nov 2011 09:24
3	2	1108_02.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	8 Nov 2011 09:44
4	3	1108_03.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	8 Nov 2011 10:04
5	1	1108_04.d	1.	TUNE 50 ppm	dftpp	8 Nov 2011 13:08
6	2	1108_05.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	8 Nov 2011 13:28
7	3	1108_06.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	8 Nov 2011 13:48
8	36	1108_07.d	0.001	LCS 1x WG564275 1000-1.0	water sur11K01660...	8 Nov 2011 14:07
9	37	1108_08.d	0.001	LCSD 1x WG564275 1000-1.0	water sur11K01660...	8 Nov 2011 14:27
10	38	1108_09.d	0.001	BLANK 1x WG564274 1000-1.0	water sur11K01660...	8 Nov 2011 14:48
11	39	1108_10.d	0.01	BLANK 1x WG564275 100-1.0	water sur11K01660...	8 Nov 2011 15:09
12	40	1108_11.d	0.0333	LCS 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 15:28
13	41	1108_12.d	0.0333	LCSD 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 15:49
14	42	1108_13.d	0.0333	BLANK 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 16:08
15	79	1108_14.d	0.0333	LCS 1x WG564420 15-0.5	soil sur11K01660/...	8 Nov 2011 16:28
16	80	1108_15.d	0.0333	LCSD 1x WG564420 15-0.5	soil sur11K01660/...	8 Nov 2011 16:48
17	81	1108_16.d	0.0333	BLANK 1x WG564420 15-0.5	soil sur11K01660/...	8 Nov 2011 17:08
18	1	1108_17.d	1.	TUNE 50 ppm	dftpp	8 Nov 2011 17:56
19	2	1108_18.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	8 Nov 2011 18:15
20	3	1108_19.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	8 Nov 2011 18:35
21	42	1108_20.d	0.0333	BLANK 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 20:20
22	43	1108_21.d	0.001	L544884-02 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 20:40
23	44	1108_22.d	0.001	L544884-03 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 20:59
24	45	1108_23.d	0.001	L544884-04 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 21:20
25	46	1108_24.d	0.001	L544884-05 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 21:40
26	47	1108_25.d	0.001	L545089-01 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 22:00
27	48	1108_26.d	0.001	L545089-02 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 22:20
28	49	1108_27.d	0.001	L545089-03 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 22:40
29	50	1108_28.d	0.001	dnr L545360-01 1x WG564274 ...	water sur11K01660...	8 Nov 2011 23:00
30	51	1108_29.d	0.001	dnr L545360-02 1x WG564274 ...	water sur11K01660...	8 Nov 2011 23:20
31	52	1108_30.d	0.001	dnr L545386-01 1x WG564274 ...	water sur11K01660...	8 Nov 2011 23:39
32	53	1108_31.d	0.01	L544368-04 1x WG564275 100-1.0	water sur11K01660...	8 Nov 2011 23:59
33	54	1108_32.d	0.01	dnr L544968-01 1x WG564275 ...	water sur11K01660...	9 Nov 2011 00:19
34	55	1108_33.d	0.01	dnr MS 1x WG564275 L544968-...	water sur11K01660...	9 Nov 2011 00:39
35	56	1108_34.d	0.01	dnr MSD 1x WG564275 L544968...	water sur11K01660...	9 Nov 2011 00:59
36	57	1108_35.d	0.01	L545039-01 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 01:19
37	58	1108_36.d	0.01	L545174-03 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 01:38
38	59	1108_37.d	0.01	dnr L545195-01 1x WG564275 ...	water sur11K01660...	9 Nov 2011 01:58
39	60	1108_38.d	0.01	L545195-03 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 02:18
40	61	1108_39.d	0.01	L545198-01 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 02:38
41	62	1108_40.d	0.01	L545198-05 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 02:58
42	63	1108_41.d	0.01	L545198-03 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 03:18
43	64	1108_42.d	0.0333	L545390-02 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 03:38
44	65	1108_43.d	0.0333	MS 1x WG564252 L545390-02 1...	soil sur11K01660/...	9 Nov 2011 03:58
45	66	1108_44.d	0.0333	MSD 1x WG564252 L545390-02 ...	soil sur11K01660/...	9 Nov 2011 04:18
46	67	1108_45.d	0.0333	L544859-01 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 04:38
47	68	1108_46.d	0.0333	L544859-02 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 04:58
48	69	1108_47.d	0.0333	L545255-18 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 05:18
49	70	1108_48.d	0.0333	dnr L545198-04 1x WG564252 ...	soil sur11K01660/...	9 Nov 2011 05:37
50	71	1108_49.d	0.0333	dnr L545174-04 1x WG564252 ...	soil sur11K01660/...	9 Nov 2011 05:57
51	72	1108_50.d	0.0333	dnr L544859-04 1x WG564252 ...	soil sur11K01660/...	9 Nov 2011 06:17
52	73	1108_51.d	0.167	dnr L545195-04 5x WG564252 ...	soil sur11K01660/...	9 Nov 2011 06:37
53	74	1108_52.d	1.67	dnr L545198-02 50x WG564252...	soil sur11K01660/...	9 Nov 2011 06:57
54	75	1108_53.d	1.67	dnr L545198-08 50x WG564252...	soil sur11K01660/...	9 Nov 2011 07:16
55	76	1108_54.d	0.1	dnr L544414-05 10x WG564072...	water sur11K01660...	9 Nov 2011 07:36

Injection Log

Directory: C:\MSDCHEM\1\DATA\110811

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
56	77	1108_55.d	0.001	L545425-01 1x WG564274 1000...	water sur11K01660...	9 Nov 2011 07:56
57	78	1108_56.d	0.004	L544504-01 4x WG564071 1000...	water sur11K01660...	9 Nov 2011 08:16

Injection Log

Directory: C:\MSDCHEM\1\DATA\110811

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	1108_00.d	1.	INSTBLK SVMS	instrument blank	8 Nov 2011 09:04
2	1	1108_01.d	1.	TUNE 50 ppm	dftpp	8 Nov 2011 09:24
3	2	1108_02.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	8 Nov 2011 09:44
4	3	1108_03.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	8 Nov 2011 10:04
5	1	1108_04.d	1.	TUNE 50 ppm	dftpp	8 Nov 2011 13:08
6	2	1108_05.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	8 Nov 2011 13:28
7	3	1108_06.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	8 Nov 2011 13:48
8	36	1108_07.d	0.001	LCS 1x WG564275 1000-1.0	water sur11K01660...	8 Nov 2011 14:07
9	37	1108_08.d	0.001	LCSD 1x WG564275 1000-1.0	water sur11K01660...	8 Nov 2011 14:27
10	38	1108_09.d	0.001	BLANK 1x WG564274 1000-1.0	water sur11K01660...	8 Nov 2011 14:48
11	39	1108_10.d	0.01	BLANK 1x WG564275 100-1.0	water sur11K01660...	8 Nov 2011 15:09
12	40	1108_11.d	0.0333	LCS 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 15:28
13	41	1108_12.d	0.0333	LCSD 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 15:49
14	42	1108_13.d	0.0333	BLANK 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 16:08
15	79	1108_14.d	0.0333	LCS 1x WG564420 15-0.5	soil sur11K01660/...	8 Nov 2011 16:28
16	80	1108_15.d	0.0333	LCSD 1x WG564420 15-0.5	soil sur11K01660/...	8 Nov 2011 16:48
17	81	1108_16.d	0.0333	BLANK 1x WG564420 15-0.5	soil sur11K01660/...	8 Nov 2011 17:08
18	1	1108_17.d	1.	TUNE 50 ppm	dftpp	8 Nov 2011 17:56
19	2	1108_18.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	8 Nov 2011 18:15
20	3	1108_19.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	8 Nov 2011 18:35
21	42	1108_20.d	0.0333	BLANK 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 20:20
22	43	1108_21.d	0.001	L544884-02 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 20:40
23	44	1108_22.d	0.001	L544884-03 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 20:59
24	45	1108_23.d	0.001	L544884-04 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 21:20
25	46	1108_24.d	0.001	L544884-05 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 21:40
26	47	1108_25.d	0.001	L545089-01 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 22:00
27	48	1108_26.d	0.001	L545089-02 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 22:20
28	49	1108_27.d	0.001	L545089-03 1x WG564274 1000...	water sur11K01660...	8 Nov 2011 22:40
29	50	1108_28.d	0.001	dnr L545360-01 1x WG564274 ...	water sur11K01660...	8 Nov 2011 23:00
30	51	1108_29.d	0.001	dnr L545360-02 1x WG564274 ...	water sur11K01660...	8 Nov 2011 23:20
31	52	1108_30.d	0.001	dnr L545386-01 1x WG564274 ...	water sur11K01660...	8 Nov 2011 23:39
32	53	1108_31.d	0.01	L544368-04 1x WG564275 100-1.0	water sur11K01660...	8 Nov 2011 23:59
33	54	1108_32.d	0.01	dnr L544968-01 1x WG564275 ...	water sur11K01660...	9 Nov 2011 00:19
34	55	1108_33.d	0.01	dnr MS 1x WG564275 L544968-...	water sur11K01660...	9 Nov 2011 00:39
35	56	1108_34.d	0.01	dnr MSD 1x WG564275 L544968...	water sur11K01660...	9 Nov 2011 00:59
36	57	1108_35.d	0.01	L545039-01 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 01:19
37	58	1108_36.d	0.01	L545174-03 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 01:38
38	59	1108_37.d	0.01	dnr L545195-01 1x WG564275 ...	water sur11K01660...	9 Nov 2011 01:58
39	60	1108_38.d	0.01	L545195-03 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 02:18
40	61	1108_39.d	0.01	L545198-01 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 02:38
41	62	1108_40.d	0.01	L545198-05 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 02:58
42	63	1108_41.d	0.01	L545198-03 1x WG564275 100-1.0	water sur11K01660...	9 Nov 2011 03:18
43	64	1108_42.d	0.0333	L545390-02 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 03:38
44	65	1108_43.d	0.0333	MS 1x WG564252 L545390-02 1...	soil sur11K01660/...	9 Nov 2011 03:58
45	66	1108_44.d	0.0333	MSD 1x WG564252 L545390-02 ...	soil sur11K01660/...	9 Nov 2011 04:18
46	67	1108_45.d	0.0333	L544859-01 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 04:38
47	68	1108_46.d	0.0333	L544859-02 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 04:58
48	69	1108_47.d	0.0333	L545255-18 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 05:18
49	70	1108_48.d	0.0333	dnr L545198-04 1x WG564252 ...	soil sur11K01660/...	9 Nov 2011 05:37
50	71	1108_49.d	0.0333	dnr L545174-04 1x WG564252 ...	soil sur11K01660/...	9 Nov 2011 05:57
51	72	1108_50.d	0.0333	dnr L544859-04 1x WG564252 ...	soil sur11K01660/...	9 Nov 2011 06:17
52	73	1108_51.d	0.167	dnr L545195-04 5x WG564252 ...	soil sur11K01660/...	9 Nov 2011 06:37
53	74	1108_52.d	1.67	dnr L545198-02 50x WG564252...	soil sur11K01660/...	9 Nov 2011 06:57
54	75	1108_53.d	1.67	dnr L545198-08 50x WG564252...	soil sur11K01660/...	9 Nov 2011 07:16
55	76	1108_54.d	0.1	dnr L544414-05 10x WG564072...	water sur11K01660...	9 Nov 2011 07:36

Injection Log

Directory: C:\MSDCHEM\1\DATA\110811

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
56	77	1108_55.d	0.001	L545425-01 1x WG564274 1000...	water sur11K01660...	9 Nov 2011 07:56
57	78	1108_56.d	0.004	L544504-01 4x WG564071 1000...	water sur11K01660...	9 Nov 2011 08:16

Injection Log

Directory: C:\MSDCHEM\1\DATA\110811

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	1108_00.d	1.	INSTBLK SVMS	instrument blank	8 Nov 2011 09:04
2	1	1108_01.d	1.	TUNE 50 ppm	dftpp	8 Nov 2011 09:24
3	2	1108_02.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	8 Nov 2011 09:44
4	3	1108_03.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	8 Nov 2011 10:04
5	1	1108_04.d	1.	TUNE 50 ppm	dftpp	8 Nov 2011 13:08
6	2	1108_05.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	8 Nov 2011 13:28
7	3	1108_06.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	8 Nov 2011 13:48
8	36	1108_07.d	0.001	LCS 1x WG564274 1000-1.0	water sur11K01660...	8 Nov 2011 14:07
9	37	1108_08.d	0.001	LCSD 1x WG564274 1000-1.0	water sur11K01660...	8 Nov 2011 14:27
10	38	1108_09.d	0.001	BLANK 1x WG564274 1000-1.0	water sur11K01660...	8 Nov 2011 14:48
11	39	1108_10.d	0.01	BLANK 1x WG564275 100-1.0	water sur11K01660...	8 Nov 2011 15:09
12	40	1108_11.d	0.0333	LCS 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 15:28
13	41	1108_12.d	0.0333	LCSD 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 15:49
14	42	1108_13.d	0.0333	BLANK 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 16:08
15	79	1108_14.d	0.0333	LCS 1x WG564420 15-0.5	soil sur11K01660/...	8 Nov 2011 16:28
16	80	1108_15.d	0.0333	LCSD 1x WG564420 15-0.5	soil sur11K01660/...	8 Nov 2011 16:48
17	81	1108_16.d	0.0333	BLANK 1x WG564420 15-0.5	soil sur11K01660/...	8 Nov 2011 17:08
18	1	1108_17.d	1.	TUNE 50 ppm	dftpp	8 Nov 2011 17:56
19	2	1108_18.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	8 Nov 2011 18:15
20	3	1108_19.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	8 Nov 2011 18:35
21	42	1108_20.d	0.0333	BLANK 1x WG564252 15-0.5	soil sur11K01660/...	8 Nov 2011 20:20
22		1108_21.d	1.	No MS or GC data present		

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_02.D Vial: 2
Acq On : 8 Nov 2011 9:44 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:29 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	79368	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	287840	8000.00 ppb	0.00
40) Acenaphthene-d10	7.13	164	167072	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	261906	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	247291	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	252993	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	123980	9950.8605346 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 49754.30%#		
7) Phenol-d5	5.09	99	145827	9783.0615984 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 48915.31%#		
23) Nitrobenzene-d5	5.67	82	163956	10369.5936932 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 103695.94%#		
44) 2-Fluorobiphenyl	6.70	172	277674	9944.4259224 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 99444.26%#		
67) 2,4,6-Tribromophenol	7.59	330	36299	10538.8138145 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 52694.07%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 97551.52%#		

Target Compounds					Qvalue
2) Pyridine	3.64	79	137593	9813.5720728 ppb	97
3) N-Nitrosodimethylamine	3.61	42	78970	9076.7672537 ppb	96
5) Aniline	5.15	93	193074	9431.6677171 ppb	99
6) bis(2-Chloroethyl)ether	5.15	93	329021	23466.5498769 ppb #	40
8) Phenol	5.10	94	171454	9758.0783287 ppb	98
9) Benzaldehyde	5.10	105	2284	215.4141822 ppb #	1
10) 2-Chlorophenol	5.23	128	132083	9505.7981801 ppb	98
11) n-Decane	5.22	41	87063	9795.9450856 ppb	100
12) 1,3-Dichlorobenzene	5.32	146	146949	9468.0431059 ppb	97
13) 1,4-Dichlorobenzene	5.36	146	150243	9655.6479492 ppb	95
14) Benzyl Alcohol	5.41	79	120591	9864.4529425 ppb	99
15) 1,2-Dichlorobenzene	5.45	146	139486	9684.8241118 ppb	96
16) bis(2-Chloroisopropyl)ethe	5.48	121	44466	9627.5093467 ppb	100
17) 2-Methylphenol	5.46	108	124228	9759.2093011 ppb	98
18) Hexachloroethane	5.66	117	62045	9671.2608650 ppb	95
19) N-Nitrosodi-n-propylamine	5.56	70	101129	9484.2795135 ppb	94
20) 3&4-Methyl phenol	5.54	107	137048	9744.4567459 ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_02.D Vial: 2
Acq On : 8 Nov 2011 9:44 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:29 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21) Acetophenone	5.54	105	1302	72.9060195 ppb	#	1
24) Nitrobenzene	5.68	77	146214	10154.5675095 ppb		98
25) Isophorone	5.81	82	269840	10438.1916013 ppb		94
26) 2-Nitrophenol	5.86	139	70516	11082.4265428 ppb		87
27) 2,4-Dimethylphenol	5.85	107	138711	11497.0128205 ppb		98
28) bis(2-Chlorethoxy)methane	5.91	93	163209	10604.4422795 ppb		93
29) 2,4-Dichlorophenol	6.00	162	108323	10573.9405524 ppb		93
30) Benzoic Acid	5.85	105	4194	3328.1464331 ppb	#	1
31) 1,2,4-Trichlorobenzene	6.05	180	121616	10397.0283810 ppb		98
32) Naphthalene	6.11	128	398770	10269.8382680 ppb		96
33) 4-Chloroaniline	6.12	65	49277	9789.0537337 ppb		88
34) Hexachloro-1,3-butadiene	6.16	225	68785	10014.7864877 ppb		97
35) Caprolactam	6.37	113	3666	969.8479479 ppb	#	20
36) 4-Chloro-3-methylphenol	6.37	107	118990	10439.7732988 ppb		91
37) 2-Methylnaphthalene	6.50	142	256833	10451.9825023 ppb		100
38) 1-Methylnaphthalene	6.57	142	250342	10007.5292783 ppb		97
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	670	62.9155664 ppb	#	86
41) Hexachlorocyclopentadiene	6.59	237	69074	11421.2986534 ppb		91
42) 2,4,6-Trichlorophenol	6.66	196	79551	10418.4382003 ppb	#	88
43) 2,4,5-Trichlorophenol	6.68	196	80756	10082.7268261 ppb		94
45) Biphenyl	6.77	154	305716	9768.1666272 ppb		99
46) 2-Chloronaphthalene	6.80	162	243736	9961.7302757 ppb		94
47) 2-Nitroaniline	6.84	138	76422	9602.4938422 ppb		99
48) Acenaphthylene	7.05	152	373237	9786.9466807 ppb		99
49) Dimethyl phthalate	6.92	163	277103	9672.1924939 ppb		91
50) 2,6-Dinitrotoluene	6.97	165	66261	10503.3846021 ppb	#	79
51) 3-Nitroaniline	7.07	138	61386	9806.8281708 ppb		95
52) Acenaphthene	7.15	153	242433	9837.4135783 ppb		98
53) 2,4-Dinitrophenol	7.13	184	24650	11479.6001485 ppb	#	86
54) Dibenzofuran	7.24	168	330421	9677.1598037 ppb		100
55) 2,4-Dinitrotoluene	7.20	165	80664	9945.6385919 ppb		89
56) 2,3,4,6-Tetrachlorophenol	7.30	232	66833	12718.3620791 ppb		95
57) 4-Nitrophenol	7.14	139	50318	10309.8181253 ppb	#	82
58) Fluorene	7.45	166	276978	9770.2332757 ppb		98
59) 4-Chlorophenyl-phenylether	7.42	204	125573	9710.9222776 ppb	#	80
60) Diethyl phthalate	7.32	149	289918	9913.9544163 ppb		99
61) 4-Nitroaniline	7.43	138	50245	9822.8664761 ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_02.D Vial: 2
Acq On : 8 Nov 2011 9:44 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:29 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	7.87	200	10342	1312.7780137 ppb	#	35
65)	4,6-Dinitro-2-methylphenol	7.45	198	39401	10183.9380855 ppb		91
66)	N-Nitrosodiphenylamine	7.49	169	237431	10467.3147857 ppb		100
68)	4-Bromophenyl-phenylether	7.71	248	73433	9811.0388986 ppb		88
69)	Hexachlorobenzene	7.77	284	81418	9861.0556784 ppb		99
70)	n-octadecane	7.84	55	57225	11025.1316760 ppb		99
71)	Pentachlorophenol	7.87	266	53158	9998.1373393 ppb		90
72)	Phenanthrene	8.02	178	390258	9966.1919619 ppb		99
73)	Anthracene	8.05	178	394061	10504.7380339 ppb		99
74)	Carbazole	8.12	167	356418	10073.1837466 ppb		99
75)	Di-n-butyl phthalate	8.26	149	493188	9910.4127720 ppb		100
76)	2-nitrodiphenylamine	8.40	167	168	16.6248383 ppb	#	1
77)	Fluoranthene	8.76	202	426705	10148.9058998 ppb		99
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.93	202	428965	9707.7327761 ppb		99
82)	Benzylbutyl phthalate	9.37	149	226579	10324.3338463 ppb		99
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	10.09	228	378823	9809.7322424 ppb		98
85)	Chrysene	10.13	228	351878	9673.7402754 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.96	149	325881	10168.2468832 ppb		99
87)	Di-n-octyl phthalate	10.88	149	553328	10226.4544676 ppb		99
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.		
90)	Benzo(k)fluoranthene	11.73	252	365492	9972.1984372 ppb		98
91)	Benzo(a)pyrene	12.26	252	354420	9664.1405586 ppb		99
92)	Indeno(1,2,3-cd)pyrene	14.09	276	415727	10495.4164974 ppb		98
93)	Dibenz(a,h)anthracene	14.12	278	336042	10783.8296692 ppb		94

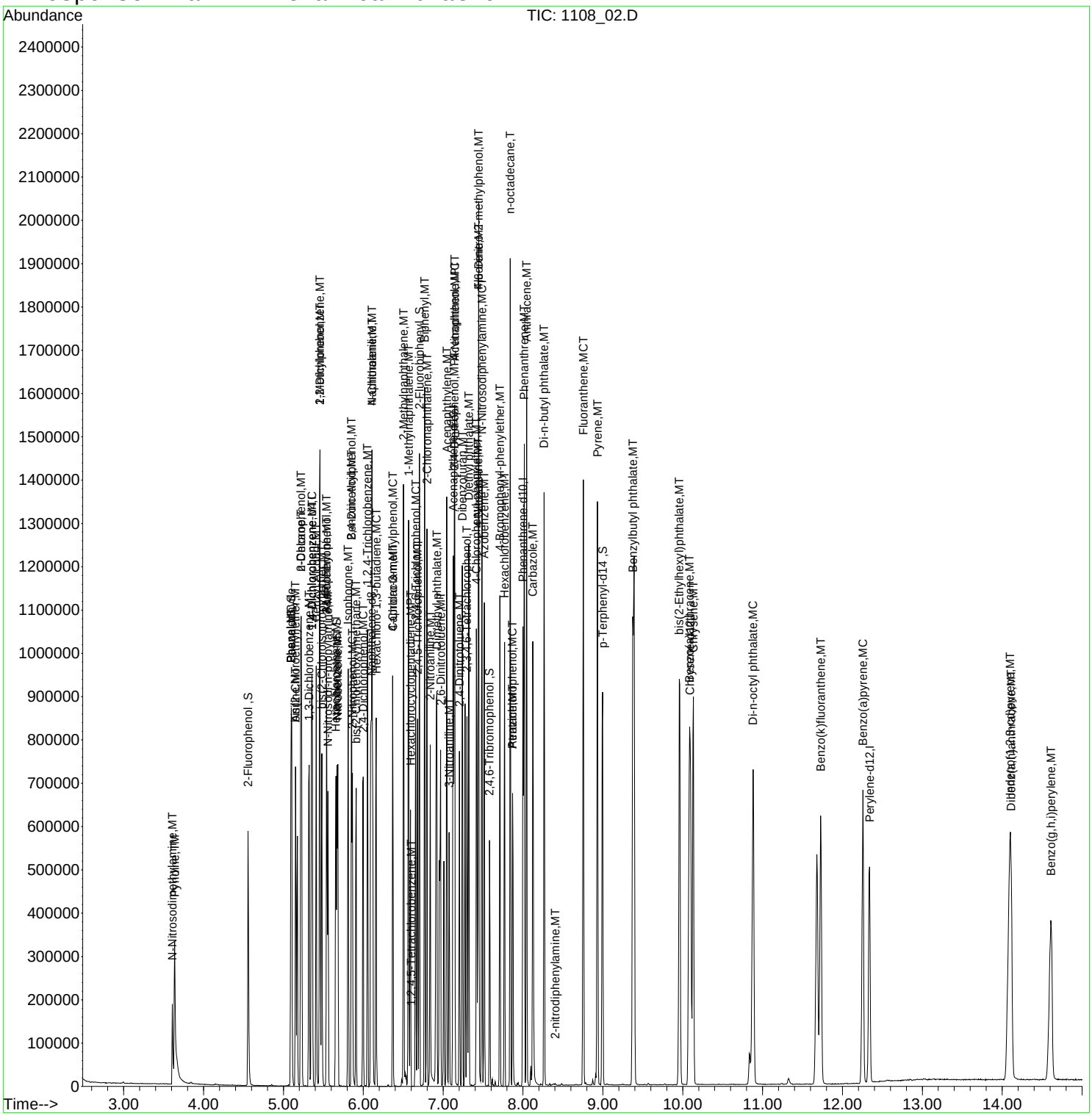
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_02.D Vial: 2
Acq On : 8 Nov 2011 9:44 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:29 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_03.D Vial: 3
Acq On : 8 Nov 2011 10:04 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:29 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	72367	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	283438	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	161389	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	257917	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	237440	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	247960	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	5.35	99	1341	98.6666747 ppb	0.26
Spiked Amount 20.000	Range 10 - 63		Recovery = 493.33%#		
23) Nitrobenzene-d5	5.73	82	2526	162.2410853 ppb	0.08
Spiked Amount 10.000	Range 17 - 119		Recovery = 1622.41%#		
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-Nitrosodimethylamine	0.00	42	0	N.D.		
5) Aniline	0.00	93	0	N.D.		
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
8) Phenol	5.10	94	421	26.2786858 ppb	#	1
9) Benzaldehyde	5.10	105	103288	10683.9766075 ppb		99
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) n-Decane	5.06	41	57	7.0338392 ppb	#	1
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
14) Benzyl Alcohol	5.53	79	682	61.1853362 ppb	#	19
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) bis(2-Chloroisopropyl)ethe	5.57	121	4345	1031.7643872 ppb	#	1
17) 2-Methylphenol	5.35	108	324	27.9154746 ppb	#	1
18) Hexachloroethane	0.00	117	0	N.D.		
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.		
20) 3&4-Methyl phenol	5.53	107	551	42.9676297 ppb	#	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_03.D Vial: 3
Acq On : 8 Nov 2011 10:04 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:29 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21) Acetophenone	5.57	105	165928	10190.0648813 ppb		99
24) Nitrobenzene	5.57	77	142565	10054.9163619 ppb	#	62
25) Isophorone	5.73	82	2526	99.2305397 ppb		63
26) 2-Nitrophenol	0.00	139	0	N.D.		
27) 2,4-Dimethylphenol	5.89	107	151	12.7099585 ppb	#	1
28) bis(2-Chlorethoxy)methane	5.89	93	209	13.7905976 ppb	#	1
29) 2,4-Dichlorophenol	0.00	162	0	N.D.		
30) Benzoic Acid	5.89	105	57501	11489.5799913 ppb		84
31) 1,2,4-Trichlorobenzene	6.05	180	316	27.4346022 ppb	#	78
32) Naphthalene	0.00	128	0	N.D.		
33) 4-Chloroaniline	6.09	65	828	167.0397612 ppb	#	1
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.		
35) Caprolactam	6.32	113	39460	10601.3541446 ppb		98
36) 4-Chloro-3-methylphenol	6.60	107	8089	720.7232130 ppb	#	23
37) 2-Methylnaphthalene	6.60	142	845	34.9218811 ppb	#	44
38) 1-Methylnaphthalene	6.60	142	845	34.3038553 ppb	#	41
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	108629	10359.1032279 ppb		99
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
42) 2,4,6-Trichlorophenol	6.66	196	68	9.2192508 ppb	#	10
43) 2,4,5-Trichlorophenol	6.66	196	68	8.7890484 ppb	#	15
45) Biphenyl	0.00	154	0	N.D.		
46) 2-Chloronaphthalene	0.00	162	0	N.D.		
47) 2-Nitroaniline	0.00	138	0	N.D.		
48) Acenaphthylene	0.00	152	0	N.D.		
49) Dimethyl phthalate	0.00	163	0	N.D.		
50) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
51) 3-Nitroaniline	0.00	138	0	N.D.		
52) Acenaphthene	0.00	153	0	N.D.		
53) 2,4-Dinitrophenol	0.00	184	0	N.D.		
54) Dibenzofuran	7.30	168	16736	507.4131051 ppb	#	43
55) 2,4-Dinitrotoluene	7.30	165	470	59.9902288 ppb	#	1
56) 2,3,4,6-Tetrachlorophenol	7.30	232	53222	10484.8243718 ppb		91
57) 4-Nitrophenol	0.00	139	0	N.D.		
58) Fluorene	0.00	166	0	N.D.		
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
60) Diethyl phthalate	7.32	149	213	7.5401690 ppb	#	63
62) Azobenzene	0.00	77	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_03.D Vial: 3
Acq On : 8 Nov 2011 10:04 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:29 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	Atrazine	7.77	200	74452	9783.4689431	ppb		97
65)	4,6-Dinitro-2-methylphenol	7.30	198	2688	705.5101228	ppb	#	35
66)	N-Nitrosodiphenylamine	7.30	169	5528	247.4750251	ppb	#	1
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.			
69)	Hexachlorobenzene	0.00	284	0	N.D.			
70)	n-octadecane	7.77	55	8160	1596.4437525	ppb	#	63
71)	Pentachlorophenol	7.87	266	4448	1026.9978398	ppb	#	83
72)	Phenanthrene	8.00	178	60	1.5559447	ppb	#	1
73)	Anthracene	8.00	178	60	1.6241962	ppb	#	1
74)	Carbazole	0.00	167	0	N.D.			
75)	Di-n-butyl phthalate	8.26	149	61	1.2447283	ppb		78
76)	2-nitrodiphenylamine	8.40	167	96281	9675.0723268	ppb		99
77)	Fluoranthene	0.00	202	0	N.D.			
79)	Benzidine	8.82	184	218818	9714.3350575	ppb		99
80)	Pyrene	0.00	202	0	N.D.			
82)	Benzylbutyl phthalate	0.00	149	0	N.D.			
83)	3,3-Dichlorobenzidine	10.00	252	100315	8328.8479895	ppb		100
84)	Benzo(a)anthracene	10.10	228	593	15.9929999	ppb	#	1
85)	Chrysene	10.10	228	593	16.9789734	ppb	#	49
86)	bis(2-Ethylhexyl)phthalate	9.96	149	300	9.7490596	ppb	#	1
87)	Di-n-octyl phthalate	0.00	149	0	N.D.			
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.			
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.			
91)	Benzo(a)pyrene	12.33	252	860	23.9260136	ppb	#	1
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.			
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.			

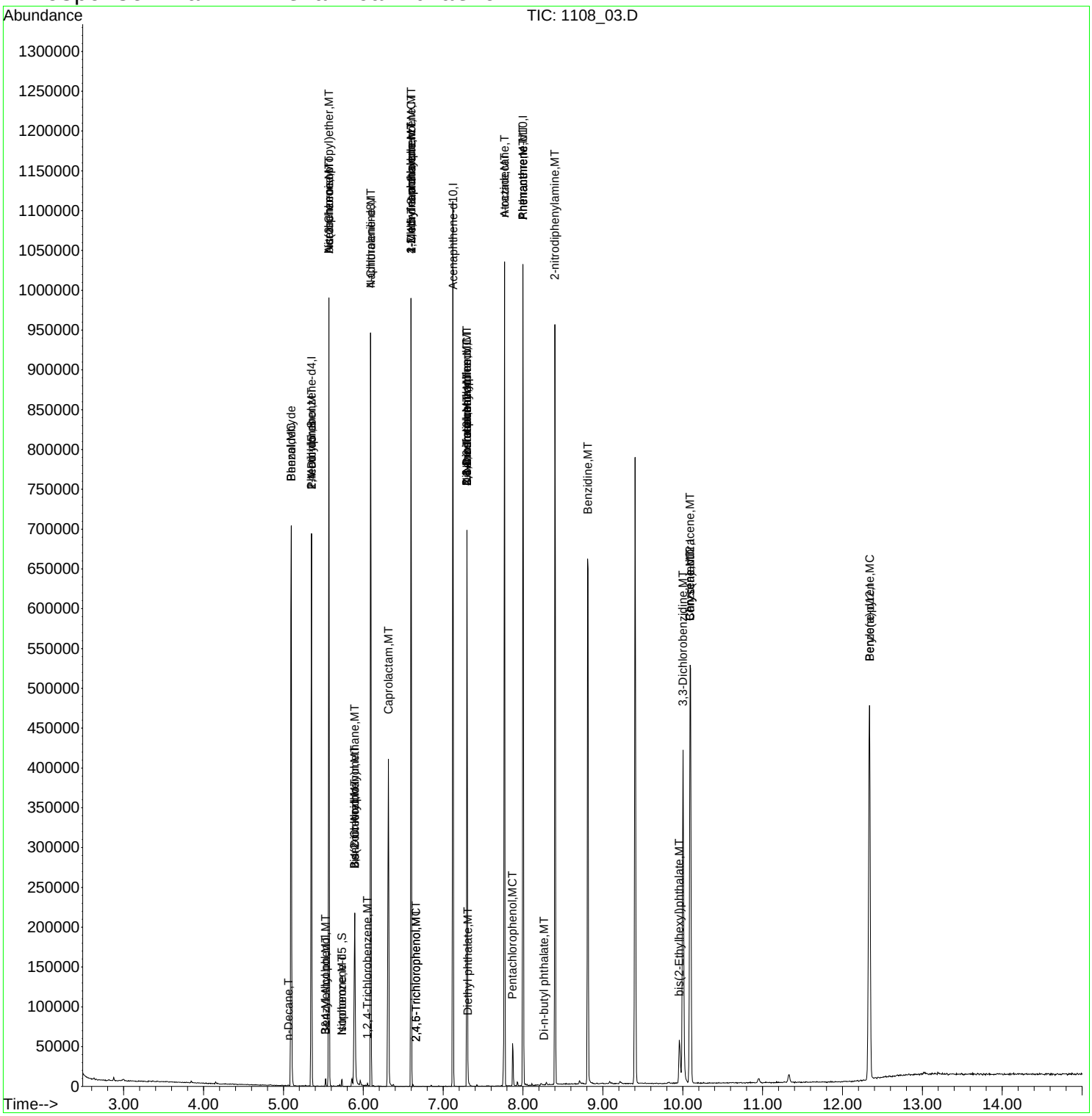
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_03.D Vial: 3
Acq On : 8 Nov 2011 10:04 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:29 2011 Quant Results File: S811K05K.RES

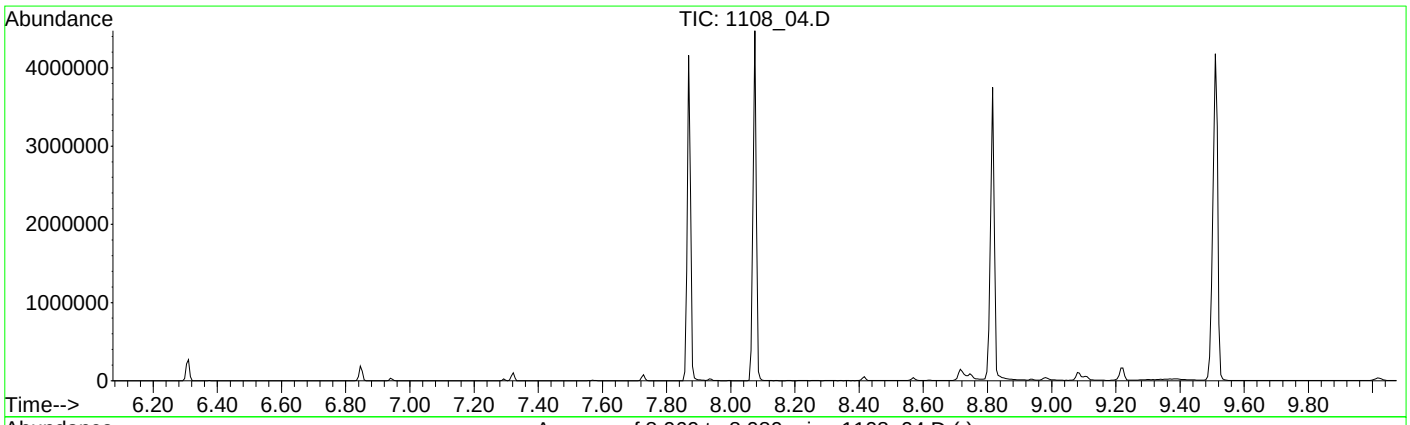
Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration

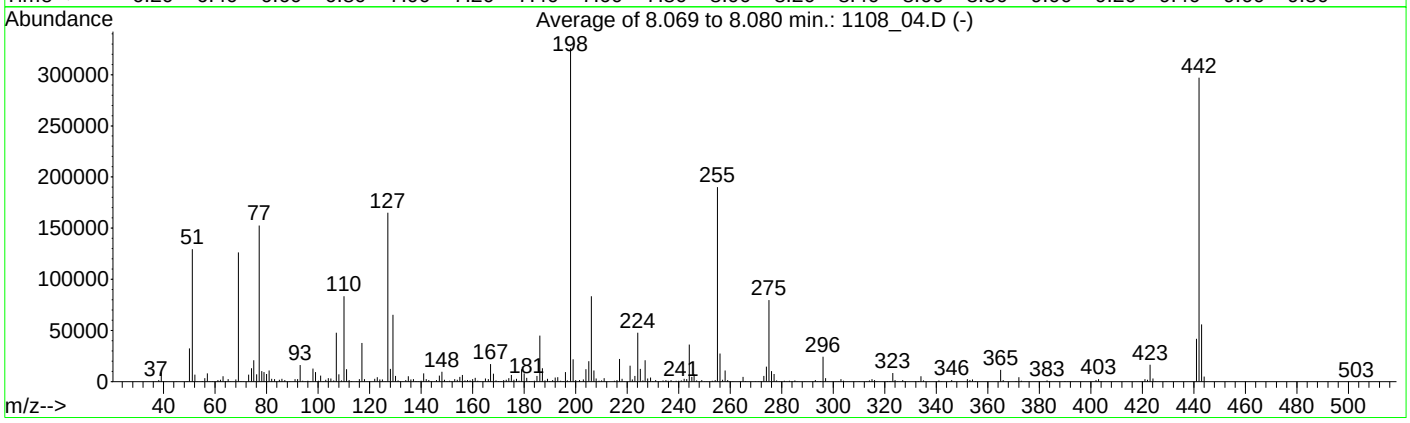


DFTPP

Data File : C:\MSDCHEM\1\DATA\110811\1108_04.D Vial: 1
Acq On : 8 Nov 2011 1:08 pm Operator: 377

Misc : dftpp Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNEC.M (RTE Integrator)
Title : 8270 BNA





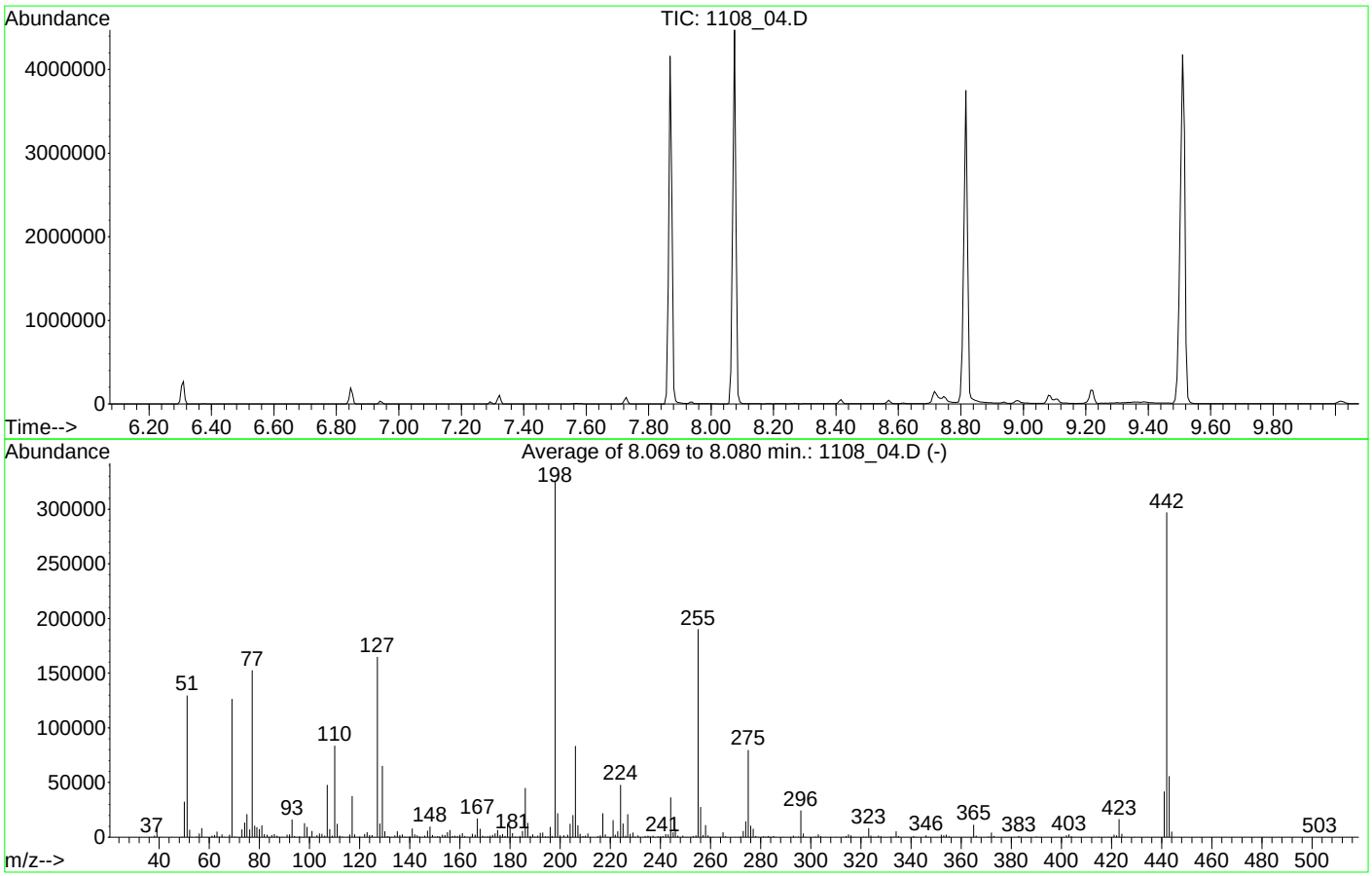
AutoFind: Scans 950, 951, 952; Background Corrected with Scan 945

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.8	129600	PASS
68	69	0.00	2	1.8	2221	PASS
69	198	0.00	100	38.8	126442	PASS
70	69	0.00	2	0.5	675	PASS
127	198	40	60	50.6	164960	PASS
197	198	0.00	1	0.3	1121	PASS
198	198	100	100	100.0	325802	PASS
199	198	5	9	6.7	21945	PASS
275	198	10	30	24.5	79866	PASS
365	198	1	100	3.5	11425	PASS
441	443	0.01	100	75.1	41970	PASS
442	198	40	100	91.2	297064	PASS
443	442	17	23	18.8	55901	PASS

DFTPP

Data File : C:\MSDCHEM\1\DATA\110811\1108_04.D Vial: 1
Acq On : 8 Nov 2011 1:08 pm Operator: 377

Misc : dftpp Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA



AutoFind: Scans 950, 951, 952; Background Corrected with Scan 945

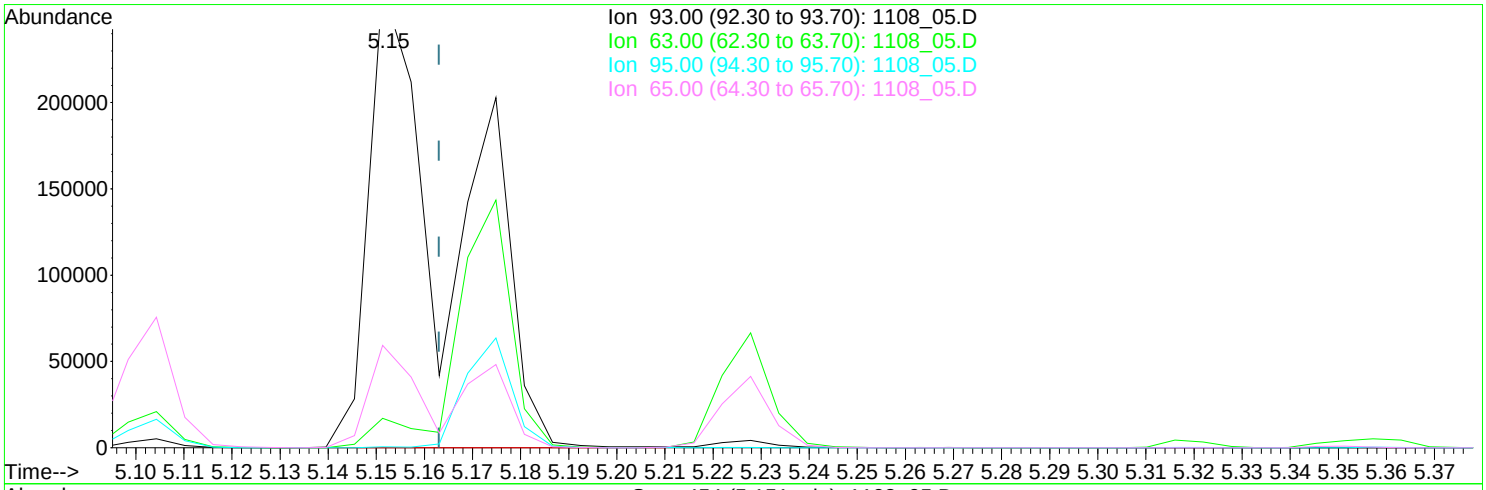
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.8	129600	PASS
68	69	0.00	2	1.8	2221	PASS
70	69	0.00	2	0.5	675	PASS
127	198	10	80	50.6	164960	PASS
197	198	0.00	2	0.3	1121	PASS
198	198	50	100	100.0	325802	PASS
199	198	5	9	6.7	21945	PASS
275	198	10	60	24.5	79866	PASS
365	198	1	100	3.5	11425	PASS
441	442	0.01	24	14.1	41970	PASS
442	198	50	100	91.2	297064	PASS
443	442	15	24	18.8	55901	PASS

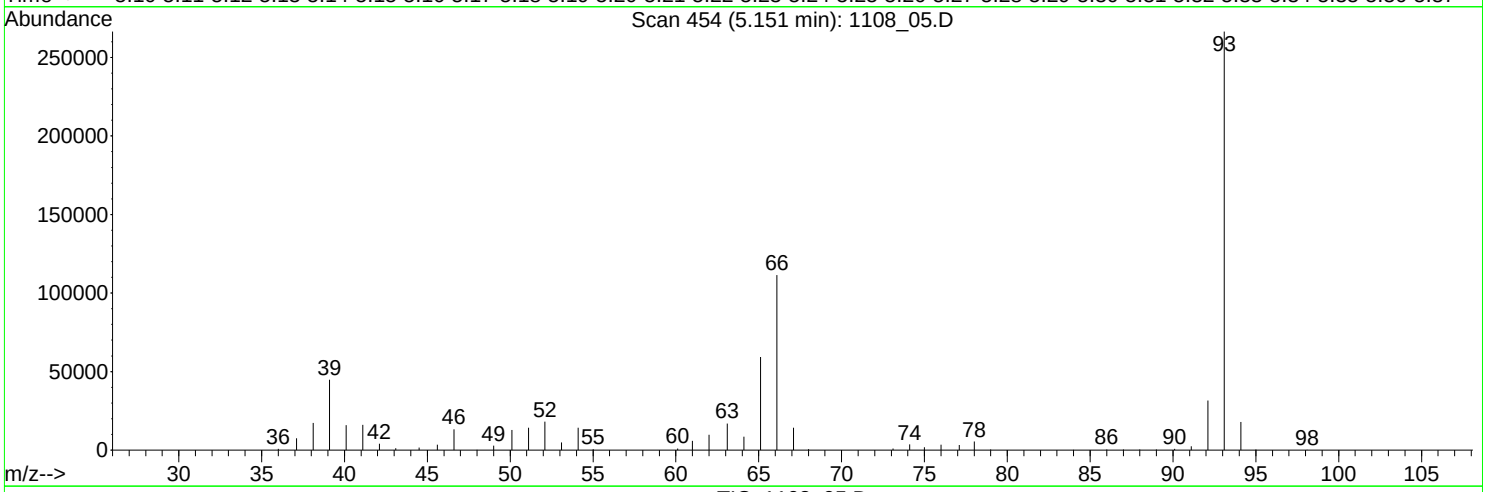
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_05.D Vial: 2
Acq On : 8 Nov 2011 1:28 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 14:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_05.D

(6) bis(2-Chloroethyl)ether (MT)

5.15min (-0.012) 24942.8472694 ppb

Qvalue = 41

response 330482

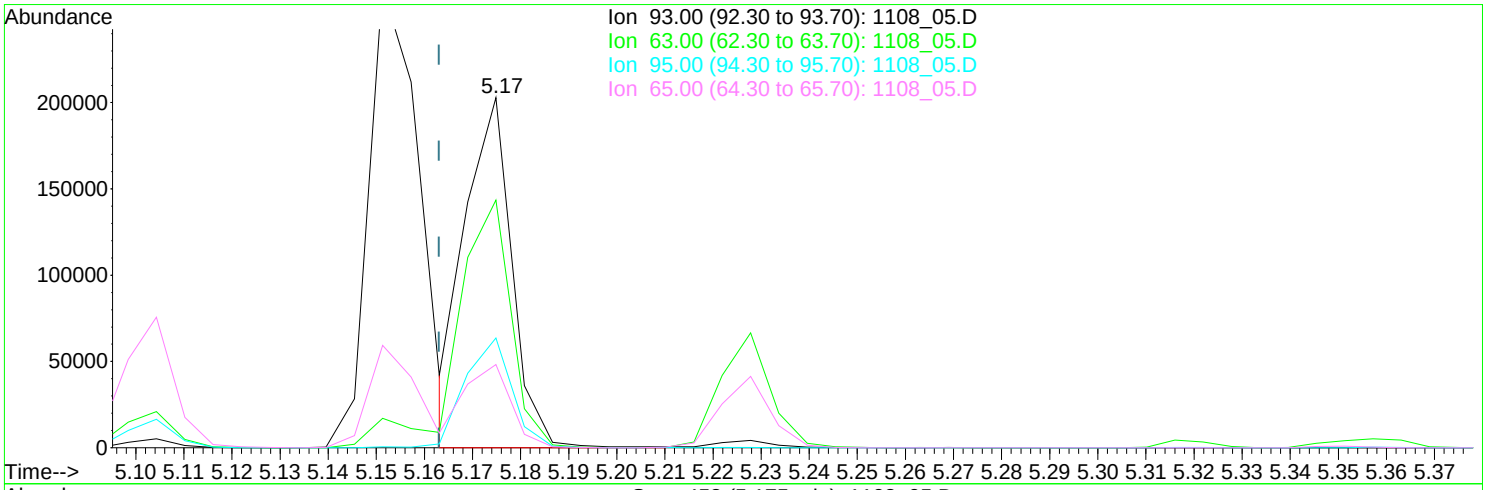
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	6.37#
95.00	31.70	0.19#
65.00	23.80	22.18

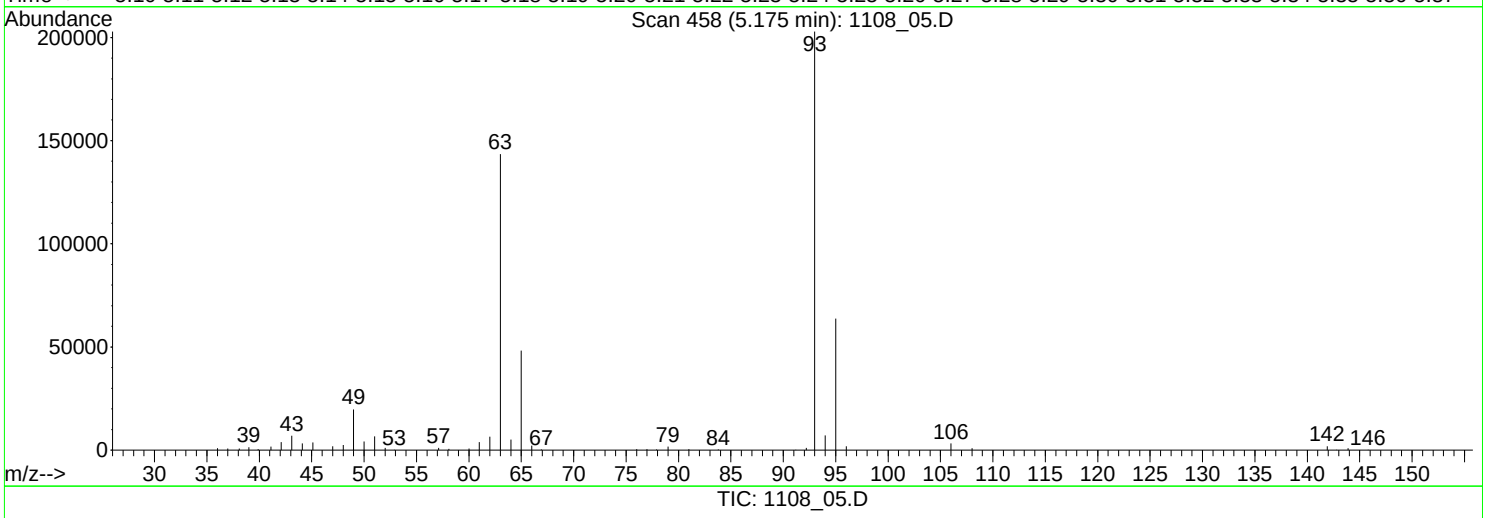
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_05.D Vial: 2
Acq On : 8 Nov 2011 1:28 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:31 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.012) 10313.6932270 ppb m

response 136652

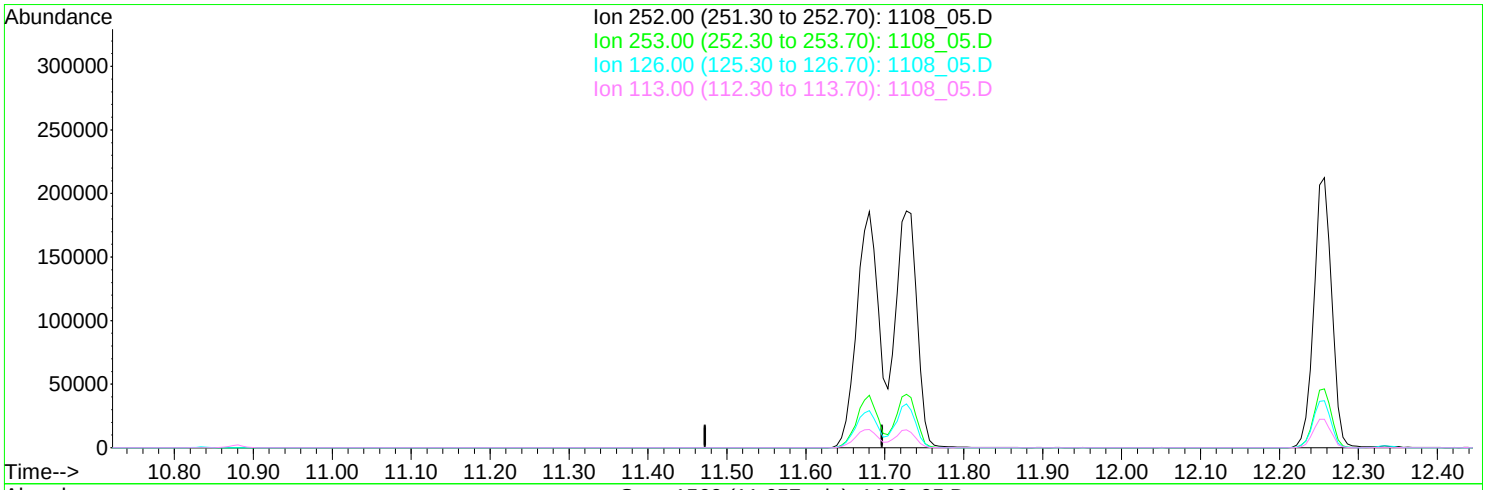
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	70.73
95.00	31.70	31.39
65.00	23.80	23.81

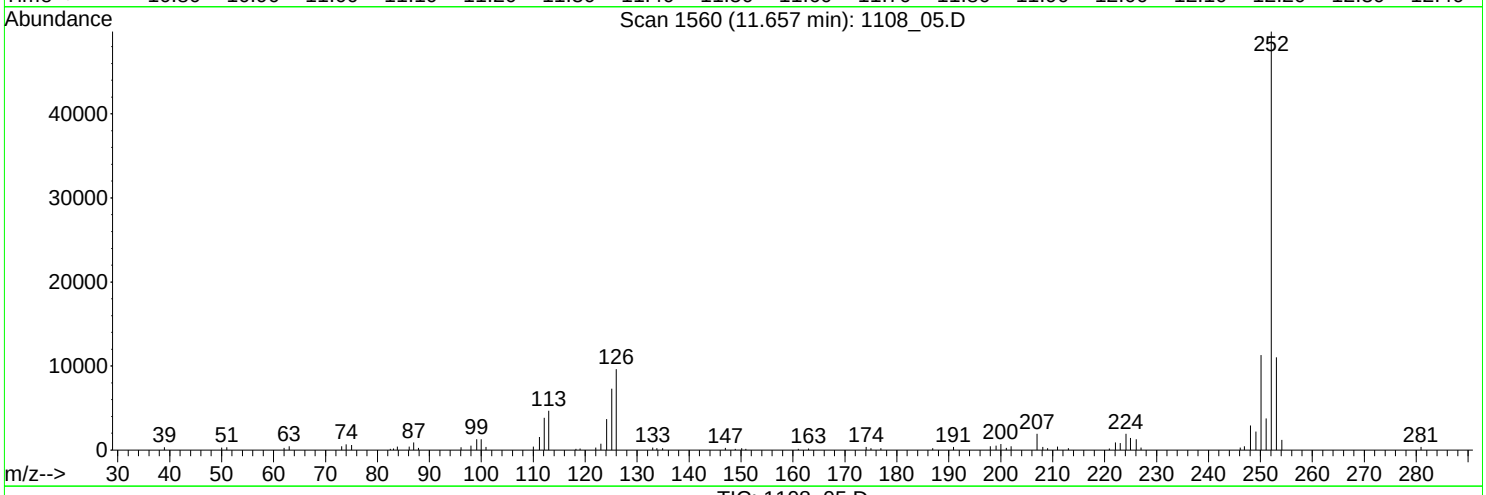
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_05.D Vial: 2
Acq On : 8 Nov 2011 1:28 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:31 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_05.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

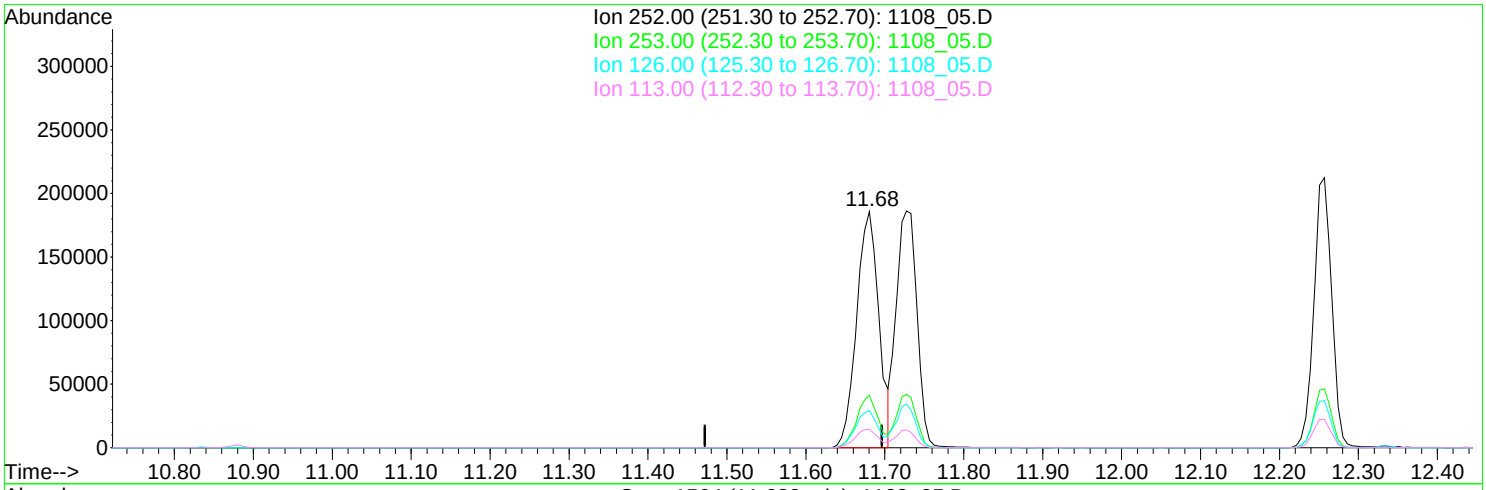
Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

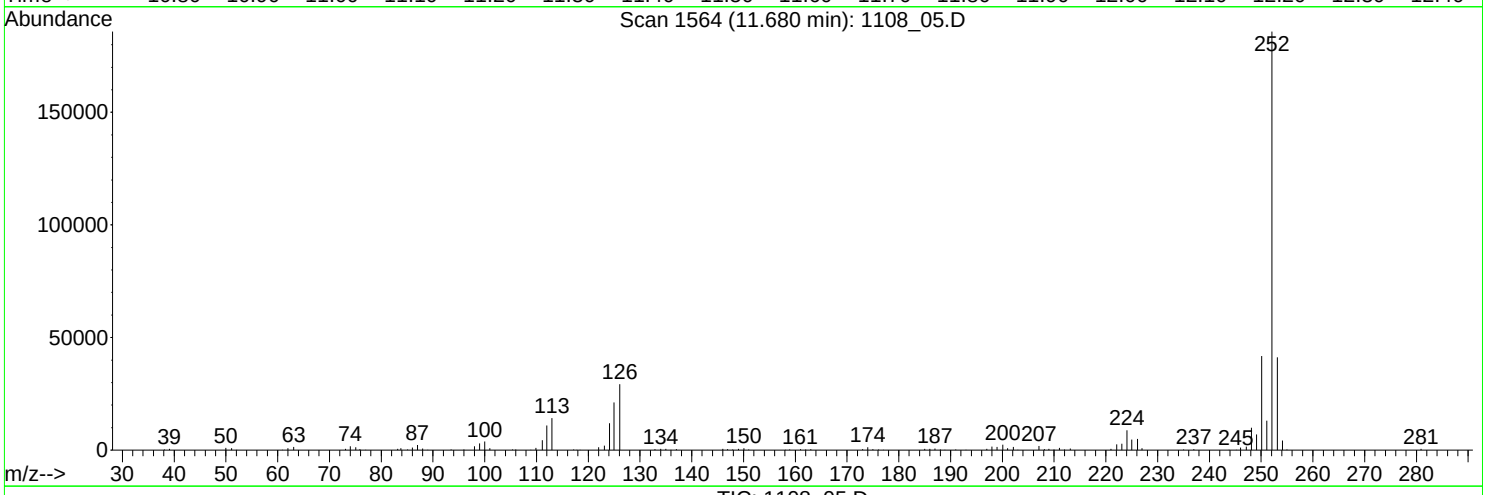
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_05.D Vial: 2
Acq On : 8 Nov 2011 1:28 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:31 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_05.D

(89) Benzo(b)fluoranthene (MT)

11.68min (+0.024) 9775.0379282 ppb m

response 363468

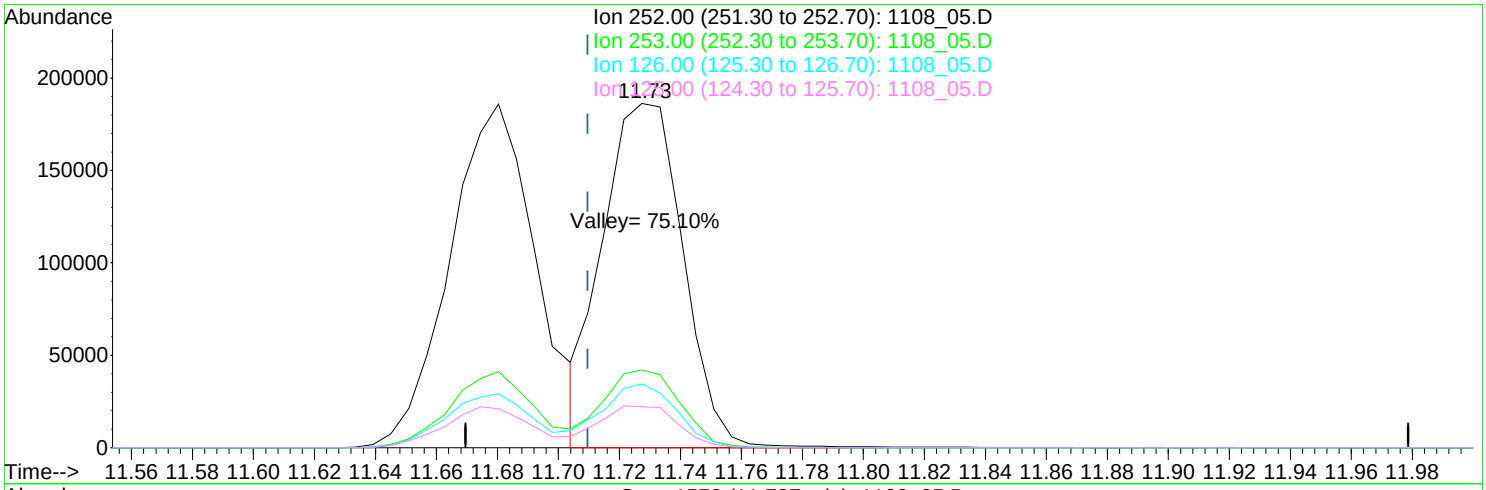
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.16
126.00	17.40	15.74
113.00	8.40	7.68

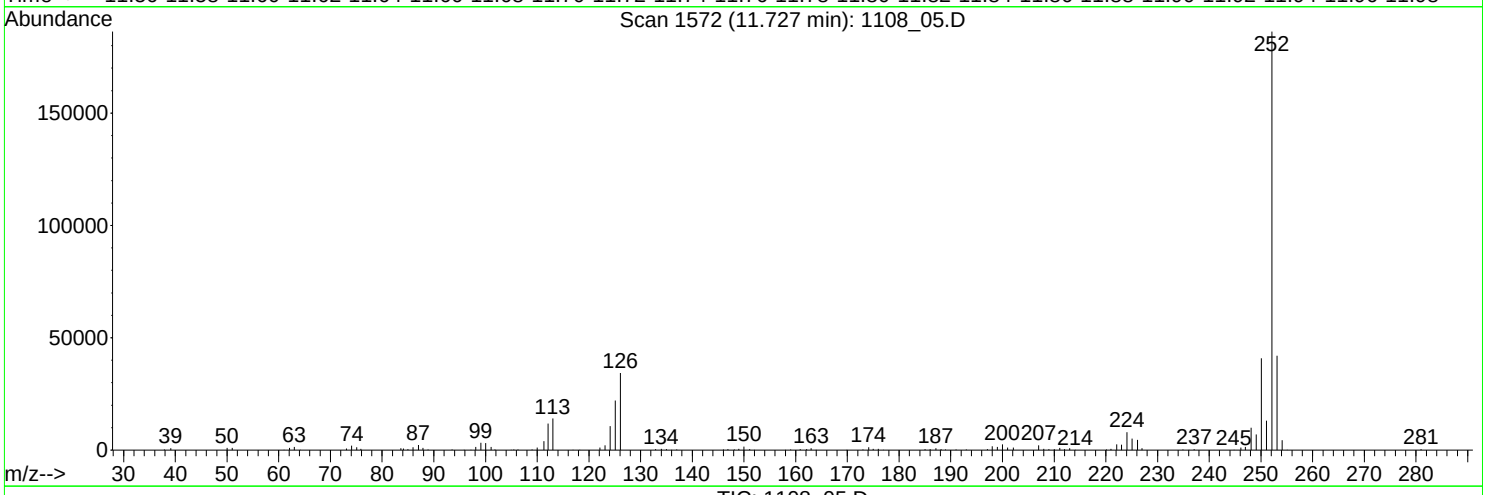
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_05.D Vial: 2
Acq On : 8 Nov 2011 1:28 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:31 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_05.D

(90) Benzo(k)fluoranthene (MT)

11.73min (+0.018) 9684.9436917 ppb

Qvalue = 97

response 341566

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	22.57
126.00	16.30	18.46
125.00	11.40	11.85

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_05.D Vial: 2
Acq On : 8 Nov 2011 1:28 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:31 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	75002	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	287176	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	158624	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	258554	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	235999	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	243444	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	121120	10287.2065968 ppb	0.02
Spiked Amount 20.000	Range 10 - 75		Recovery = 51436.03%#		
7) Phenol-d5	5.09	99	144852	10283.3338335 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 51416.67%#		
23) Nitrobenzene-d5	5.67	82	163139	10341.7783474 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 103417.78%#		
44) 2-Fluorobiphenyl	6.70	172	270846	10216.4896851 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 102164.90%#		
67) 2,4,6-Tribromophenol	7.59	330	35033	10303.1159442 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 51515.58%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 100579.16%#		

Target Compounds					Qvalue
2) Pyridine	3.64	79	137413	10371.2520736 ppb	99
3) N-Nitrosodimethylamine	3.61	42	78565	9555.8817841 ppb	96
5) Aniline	5.15	93	193849	10020.7644801 ppb	99
6) bis(2-Chloroethyl)ether	5.17	93	136652m	10313.6932270 ppb	
8) Phenol	5.10	94	168838	10168.5603267 ppb	98
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.23	128	135236	10299.2730921 ppb	99
11) n-Decane	5.22	41	86030	10243.1900138 ppb	99
12) 1,3-Dichlorobenzene	5.32	146	146326	9976.7177193 ppb	99
13) 1,4-Dichlorobenzene	5.36	146	148036	10067.6268384 ppb	96
14) Benzyl Alcohol	5.41	79	120870	10462.8313052 ppb	97
15) 1,2-Dichlorobenzene	5.45	146	132859	9761.6827453 ppb	93
16) bis(2-Chloroisopropyl)ethe	5.48	121	44196	10126.0820568 ppb	99
17) 2-Methylphenol	5.46	108	120973	10056.7159060 ppb	97
18) Hexachloroethane	5.65	117	59642	9837.8704549 ppb	91
19) N-Nitrosodi-n-propylamine	5.56	70	102809	10203.1050701 ppb	96
20) 3&4-Methyl phenol	5.54	107	141080	10615.0727101 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_05.D Vial: 2
Acq On : 8 Nov 2011 1:28 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:31 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21) Acetophenone	0.00	105	0	N.D. d		
24) Nitrobenzene	5.68	77	152373	10606.7783891 ppb		95
25) Isophorone	5.81	82	265199	10282.3840845 ppb		95
26) 2-Nitrophenol	5.86	139	69698	10979.1953473 ppb		84
27) 2,4-Dimethylphenol	5.85	107	132604	11016.2489492 ppb		96
28) bis(2-Chlorethoxy)methane	5.91	93	156528	10193.8624432 ppb		92
29) 2,4-Dichlorophenol	6.00	162	106435	10413.6662228 ppb		90
30) Benzoic Acid	0.00	105	0	N.D. d		
31) 1,2,4-Trichlorobenzene	6.05	180	121782	10435.2923453 ppb		99
32) Naphthalene	6.11	128	406151	10484.1121206 ppb		93
33) 4-Chloroaniline	6.12	65	52088	10371.3941368 ppb		95
34) Hexachloro-1,3-butadiene	6.16	225	68933	10059.5403430 ppb		95
35) Caprolactam	0.00	113	0	N.D. d		
36) 4-Chloro-3-methylphenol	6.37	107	123651	10873.7974857 ppb		93
37) 2-Methylnaphthalene	6.50	142	248913	10153.0945940 ppb		100
38) 1-Methylnaphthalene	6.57	142	256951	10295.4768883 ppb		98
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D. d		
41) Hexachlorocyclopentadiene	6.59	237	65486	11404.7066731 ppb		94
42) 2,4,6-Trichlorophenol	6.66	196	77024	10624.7279721 ppb	#	85
43) 2,4,5-Trichlorophenol	6.68	196	79669	10476.7683596 ppb		92
45) Biphenyl	6.77	154	298965	10061.2053519 ppb		99
46) 2-Chloronaphthalene	6.80	162	236545	10182.7163413 ppb		95
47) 2-Nitroaniline	6.84	138	78852	10435.4967147 ppb		98
48) Acenaphthylene	7.05	152	378520	10454.0876737 ppb		100
49) Dimethyl phthalate	6.92	163	275999	10146.7272491 ppb		91
50) 2,6-Dinitrotoluene	6.97	165	64271	10730.5285388 ppb	#	79
51) 3-Nitroaniline	7.07	138	62466	10510.8467015 ppb		94
52) Acenaphthene	7.15	153	242450	10362.0612996 ppb		100
53) 2,4-Dinitrophenol	7.13	184	24930	11947.8170842 ppb	#	82
54) Dibenzofuran	7.24	168	338231	10433.4624059 ppb		100
55) 2,4-Dinitrotoluene	7.20	165	82525	10716.9999026 ppb		84
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D. d		
57) 4-Nitrophenol	7.14	139	49115	10599.2846587 ppb		88
58) Fluorene	7.45	166	275330	10229.3483239 ppb		99
59) 4-Chlorophenyl-phenylether	7.42	204	122507	9978.3765212 ppb	#	80
60) Diethyl phthalate	7.32	149	282564	10177.0835950 ppb		99
62) Azobenzene	7.52	77	312685	10453.8419642 ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_05.D Vial: 2
Acq On : 8 Nov 2011 1:28 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:31 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

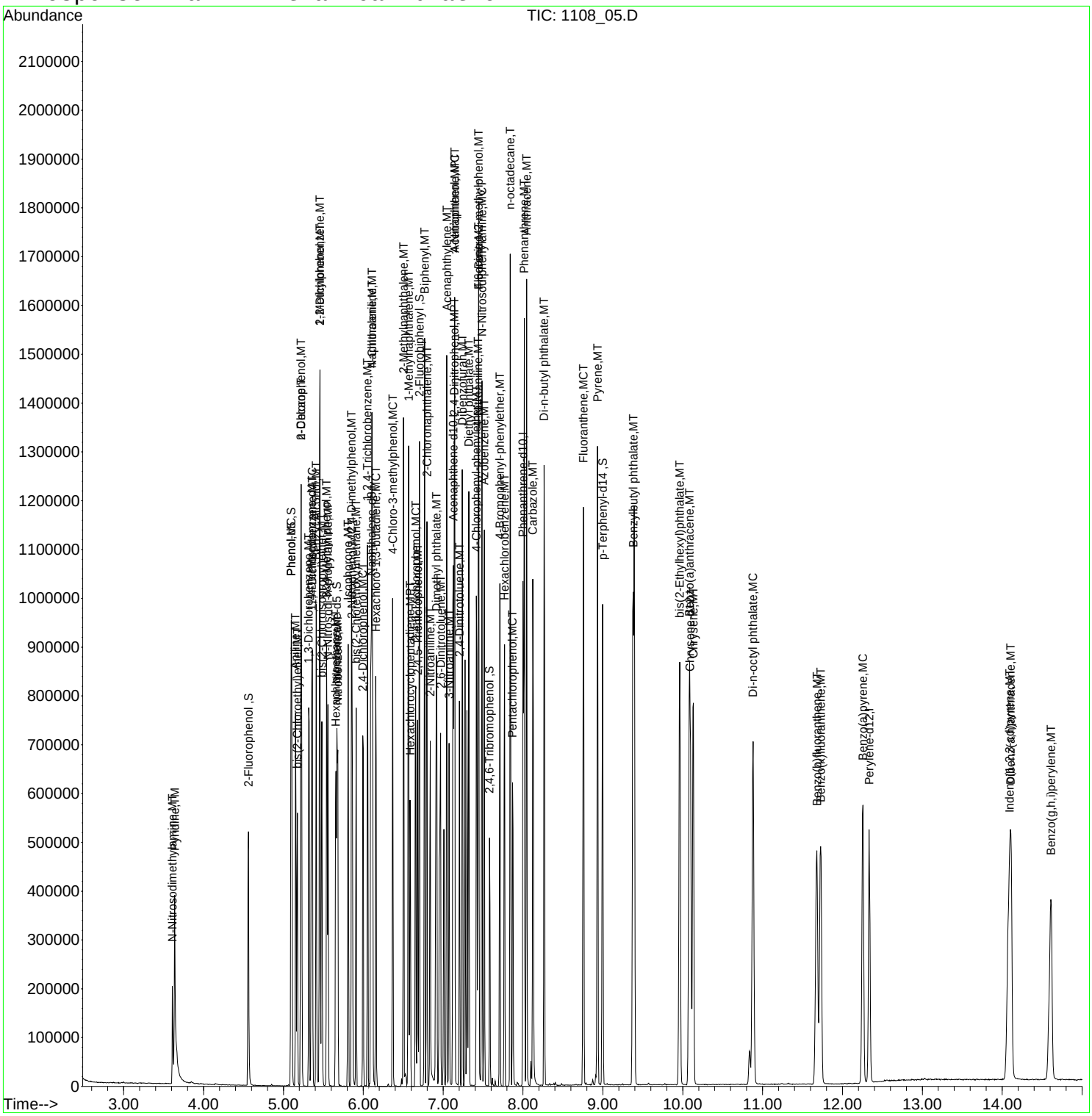
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63) Atrazine	0.00	200	0	N.D. d	
65) 4,6-Dinitro-2-methylphenol	7.45	198	37496	9817.1998763 ppb	87
66) N-Nitrosodiphenylamine	7.49	169	228204	10190.9648271 ppb	98
68) 4-Bromophenyl-phenylether	7.71	248	73660	9968.9548227 ppb	90
69) Hexachlorobenzene	7.77	284	76871	9431.0424274 ppb	99
70) n-octadecane	7.84	55	53409	10423.3331067 ppb	99
71) Pentachlorophenol	7.87	266	48672	9287.1412155 ppb	93
72) Phenanthrene	8.02	178	384788	9953.8969414 ppb	98
73) Anthracene	8.05	178	390923	10556.1895791 ppb	100
74) Carbazole	8.12	167	346416	9917.4325776 ppb	100
75) Di-n-butyl phthalate	8.26	149	481306	9797.0360207 ppb	100
76) 2-nitrodiphenylamine	0.00	167	0	N.D. d	
77) Fluoranthene	8.76	202	416133	10025.7723282 ppb	99
79) Benzidine	0.00	184	0	N.D.	
80) Pyrene	8.93	202	419455	9946.7105001 ppb	99
82) Benzylbutyl phthalate	9.37	149	213600	10198.6286833 ppb	98
83) 3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84) Benzo(a)anthracene	10.08	228	360105	9771.2047539 ppb	99
85) Chrysene	10.13	228	347597	10013.2826594 ppb	98
86) bis(2-Ethylhexyl)phthalate	9.96	149	302357	9885.6497115 ppb	100
87) Di-n-octyl phthalate	10.88	149	527794	10221.2741898 ppb	100
89) Benzo(b)fluoranthene	11.68	252	363468m	9775.0379282 ppb	
90) Benzo(k)fluoranthene	11.73	252	341566	9684.9436917 ppb	97
91) Benzo(a)pyrene	12.26	252	337660	9568.2841134 ppb	99
92) Indeno(1,2,3-cd)pyrene	14.09	276	395697	10381.5842734 ppb	99
94) Benzo(g,h,i)perylene	14.62	276	343197	10788.3699360 ppb	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_05.D Vial: 2
Acq On : 8 Nov 2011 1:28 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:31 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_06.D Vial: 3
Acq On : 8 Nov 2011 1:48 pm Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:34 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	71624	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	288409	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	155606	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	245596	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	234541	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	237479	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 75	Recovery	=	0.00%#
7) Phenol-d5	0.00	99	0d	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 63	Recovery	=	0.00%#
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb		
Spiked Amount	10.000	Range	17 - 119	Recovery	=	0.00%#
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb		
Spiked Amount	10.000	Range	29 - 127	Recovery	=	0.00%#
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb		
Spiked Amount	20.000	Range	16 - 147	Recovery	=	0.00%#
Spiked Amount	10.000	Range	40 - 174	Recovery	=	0.00%#

Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	5.10	105	102744	10737.9537134 ppb	98
10) 2-Chlorophenol	0.00	128	0	N.D.	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	
20) 3&4-Methyl phenol	0.00	107	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_06.D Vial: 3
Acq On : 8 Nov 2011 1:48 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:34 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) Acetophenone	5.57	105	166461	10328.8451778 ppb	99
24) Nitrobenzene	0.00	77	0	N.D. d	
25) Isophorone	0.00	82	0	N.D. d	
26) 2-Nitrophenol	0.00	139	0	N.D.	
27) 2,4-Dimethylphenol	0.00	107	0	N.D. d	
28) bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29) 2,4-Dichlorophenol	0.00	162	0	N.D.	
30) Benzoic Acid	5.89	105	55979	11127.1517457 ppb	82
31) 1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32) Naphthalene	0.00	128	0	N.D.	
33) 4-Chloroaniline	0.00	65	0	N.D. d	
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35) Caprolactam	6.32	113	38433	10147.4708813 ppb	95
36) 4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37) 2-Methylnaphthalene	0.00	142	0	N.D. d	
38) 1-Methylnaphthalene	0.00	142	0	N.D. d	
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	106226	9955.3486346 ppb	99
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45) Biphenyl	0.00	154	0	N.D.	
46) 2-Chloronaphthalene	0.00	162	0	N.D.	
47) 2-Nitroaniline	0.00	138	0	N.D.	
48) Acenaphthylene	0.00	152	0	N.D.	
49) Dimethyl phthalate	0.00	163	0	N.D.	
50) 2,6-Dinitrotoluene	0.00	165	0	N.D.	
51) 3-Nitroaniline	0.00	138	0	N.D.	
52) Acenaphthene	0.00	153	0	N.D.	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	0.00	168	0	N.D. d	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56) 2,3,4,6-Tetrachlorophenol	7.30	232	50897	10399.4350261 ppb	99
57) 4-Nitrophenol	0.00	139	0	N.D.	
58) Fluorene	0.00	166	0	N.D.	
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60) Diethyl phthalate	0.00	149	0	N.D.	
61) 4-Nitroaniline	0.00	138	0	N.D.	
62) Azobenzene	0.00	77	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_06.D Vial: 3
Acq On : 8 Nov 2011 1:48 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:34 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	Atrazine	7.77	200	71779	9782.7622125 ppb	95
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	0.00	55	0	N.D. d	
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	0.00	178	0	N.D. d	
73)	Anthracene	0.00	178	0	N.D. d	
74)	Carbazole	0.00	167	0	N.D.	
75)	Di-n-butyl phthalate	0.00	149	0	N.D. d	
76)	2-nitrodiphenylamine	8.40	167	94918	10016.6127991 ppb	97
77)	Fluoranthene	0.00	202	0	N.D.	
79)	Benzidine	8.81	184	221169	9940.0690163 ppb	99
80)	Pyrene	0.00	202	0	N.D.	
82)	Benzylbutyl phthalate	0.00	149	0	N.D. d	
83)	3,3-Dichlorobenzidine	10.00	252	101221	8507.9473362 ppb	97
84)	Benzo(a)anthracene	0.00	228	0	N.D. d	
85)	Chrysene	0.00	228	0	N.D. d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	0.00	252	0	N.D. d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

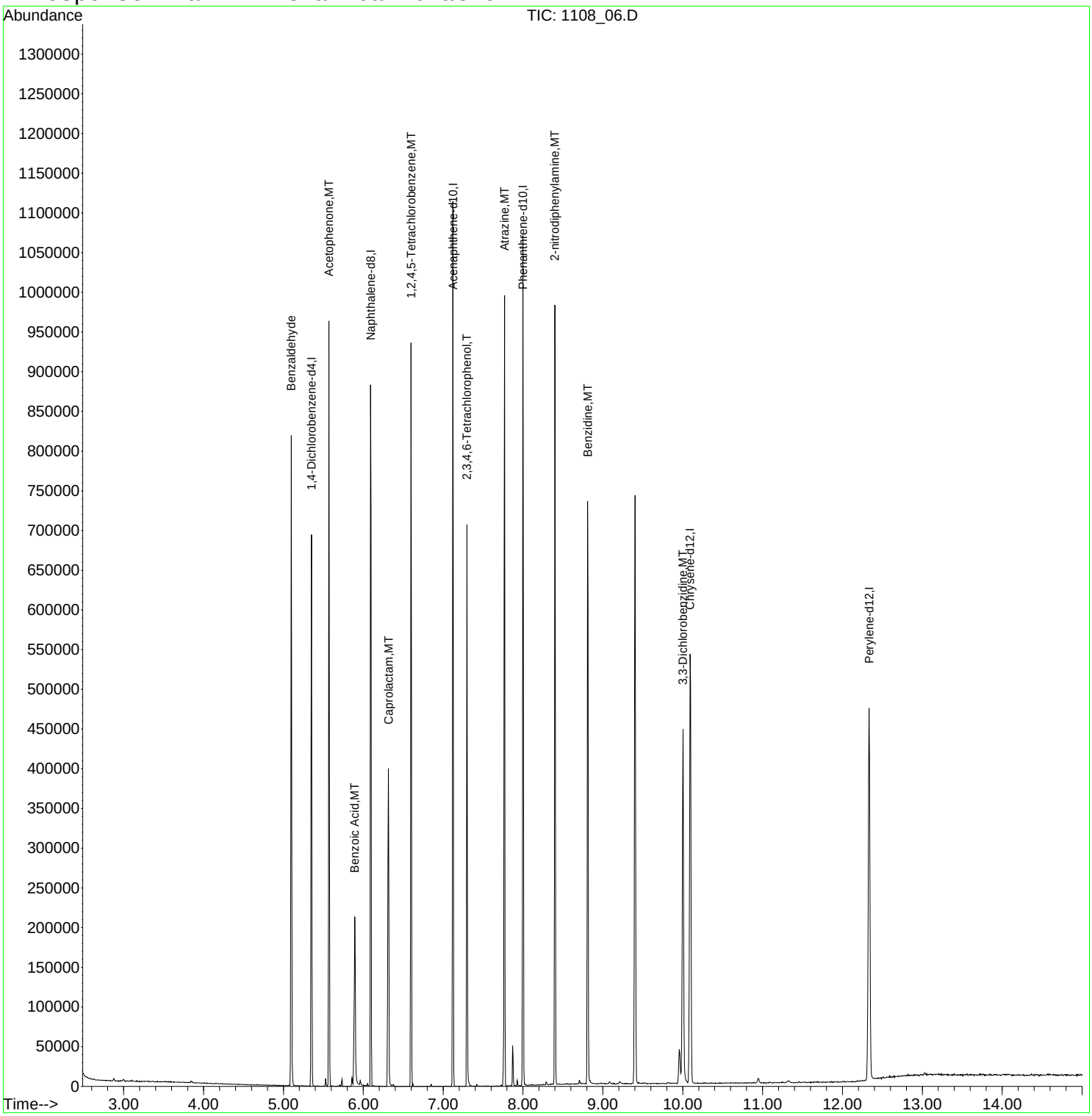
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_06.D Vial: 3
Acq On : 8 Nov 2011 1:48 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:34 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



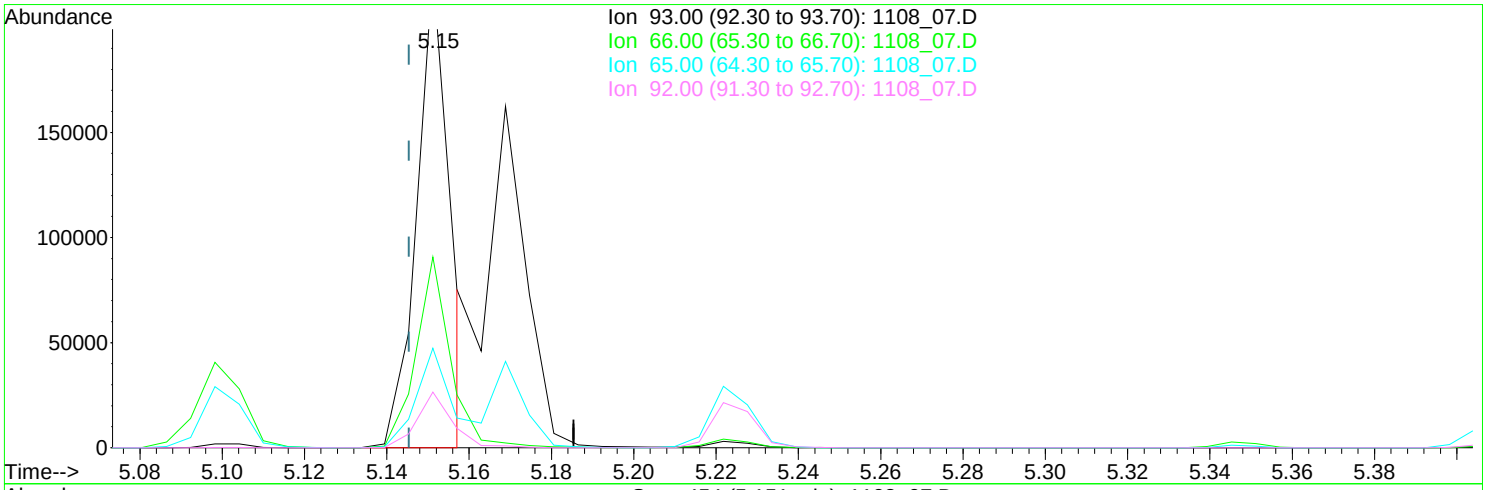
Quantitation Report (Qedit)

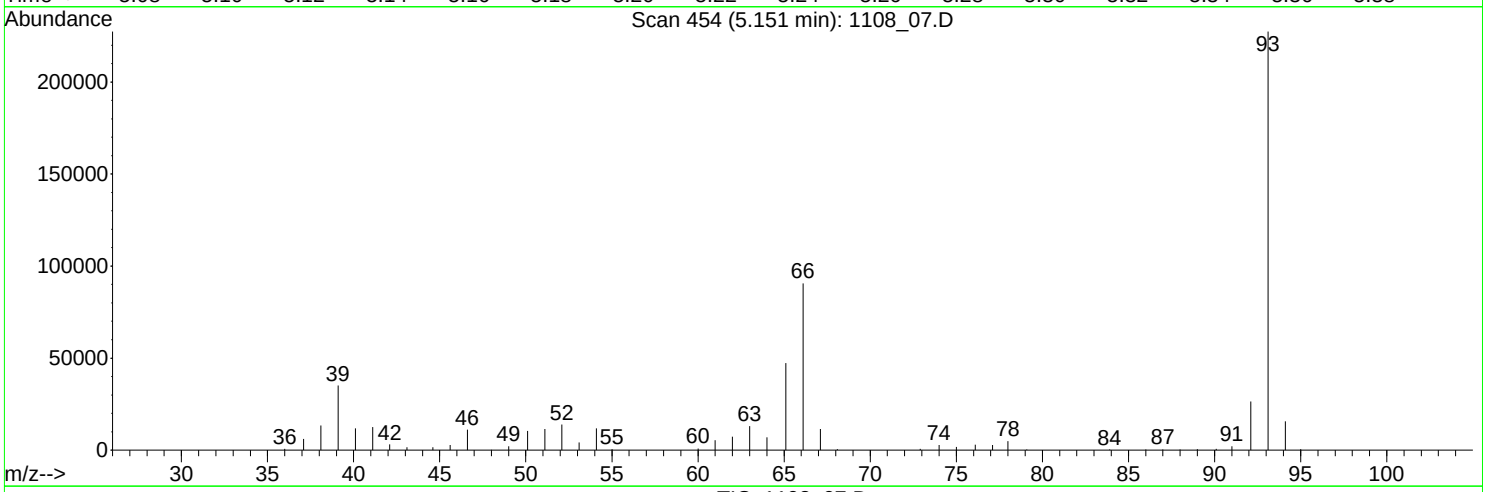
Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:35 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_07.D

(5) Aniline (MT)

5.15min (+0.006) 6.6791993 ppb

Qvalue = 99

response 126749

Ion	Exp%	Act%
93.00	100	100
66.00	38.60	39.64
65.00	21.40	21.03
92.00	12.00	11.86

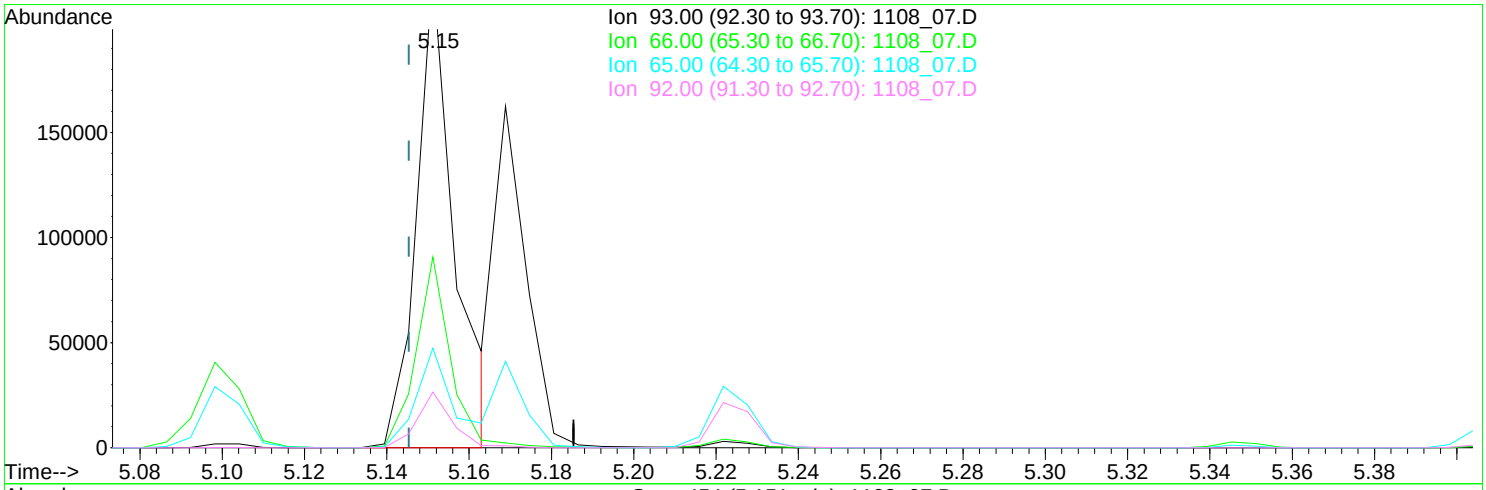
Quantitation Report (Qedit)

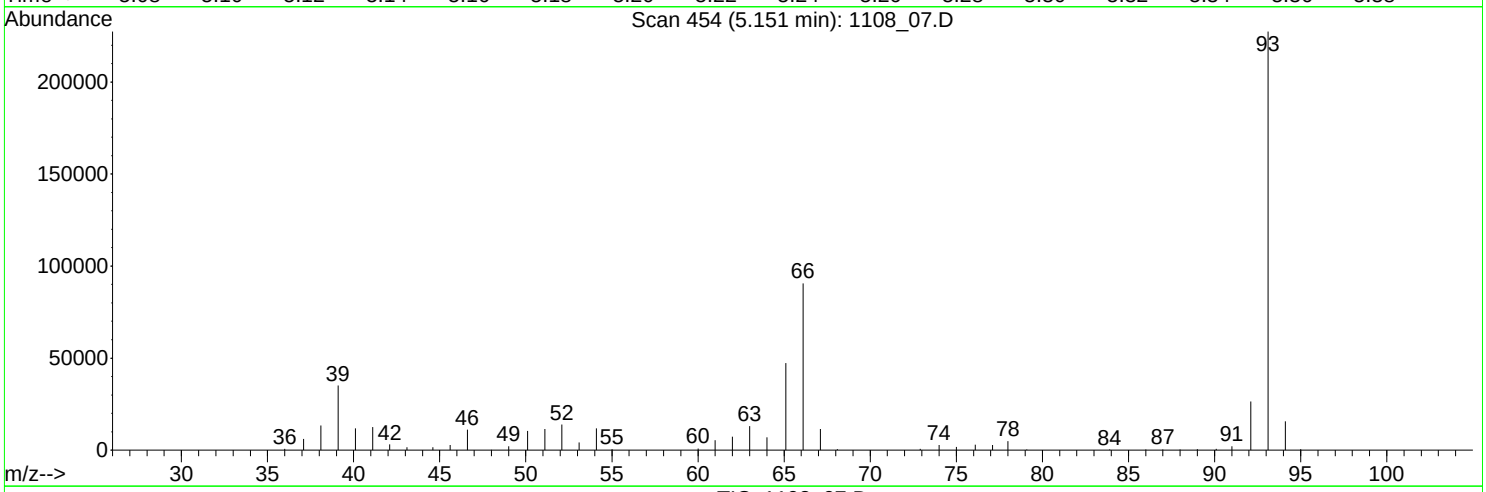
Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:35 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_07.D

(5) Aniline (MT)

5.15min (+0.006) 7.5355137 ppb m

response 142999

Ion	Exp%	Act%
93.00	100	100
66.00	38.60	35.14
65.00	21.40	18.64
92.00	12.00	10.51

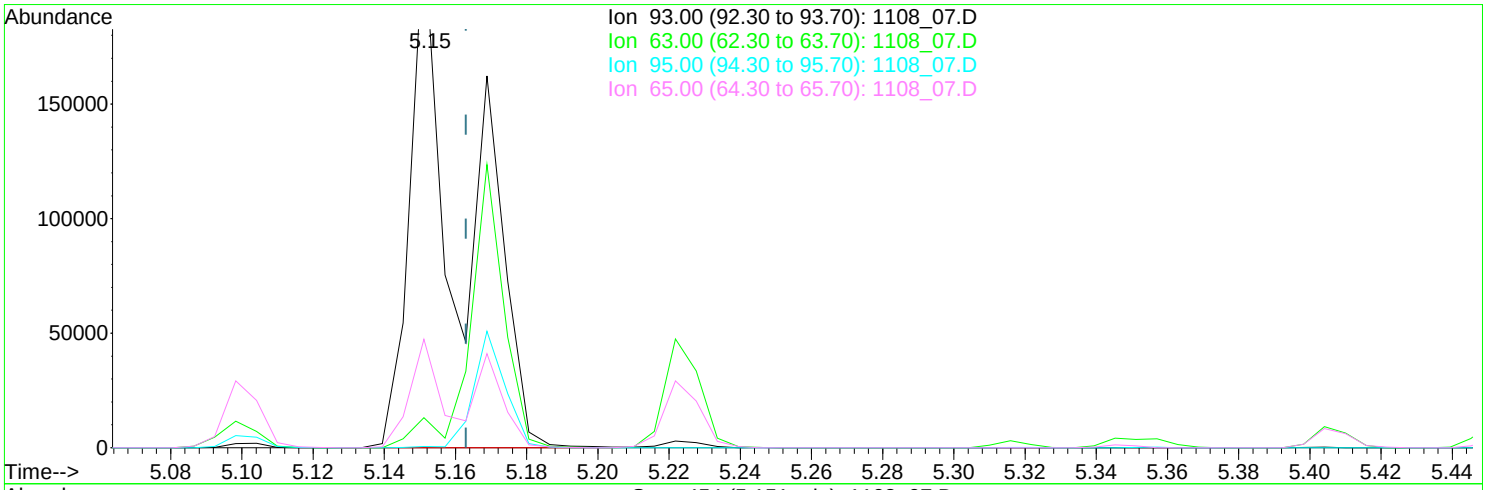
Quantitation Report (Qedit)

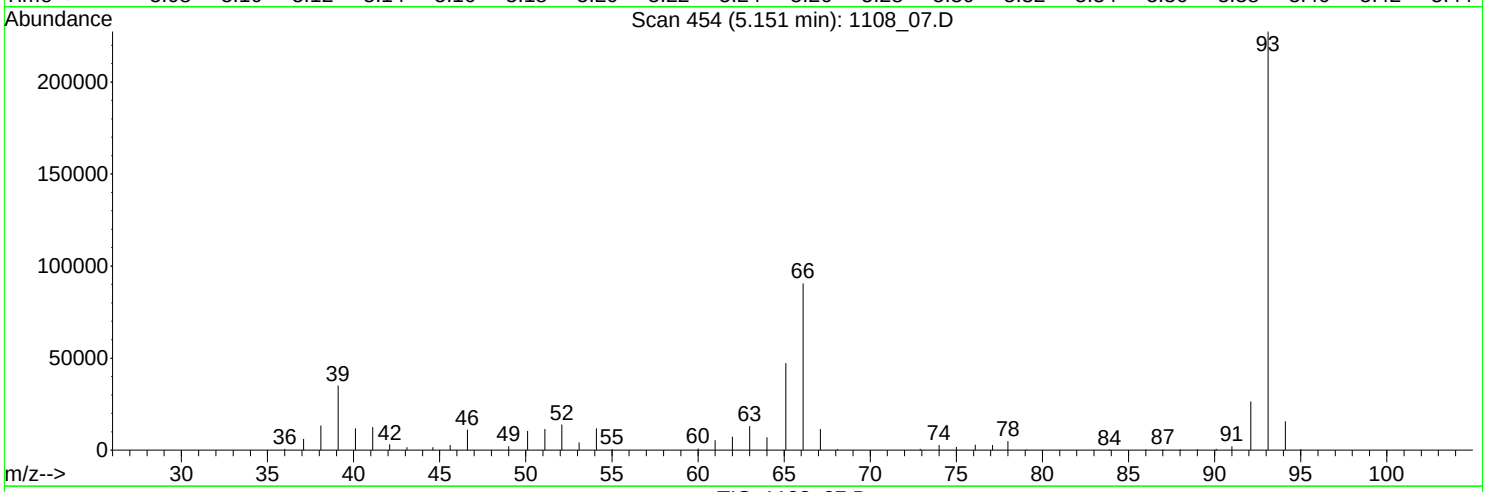
Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:35 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_07.D

(6) bis(2-Chloroethyl)ether (MT)

5.15min (-0.012) 17.6438027 ppb

Qvalue = 40

response 229325

Ion	Exp%	Act%
93.00	100	100
63.00	72.50	5.76#
95.00	31.70	0.25#
65.00	23.80	20.82

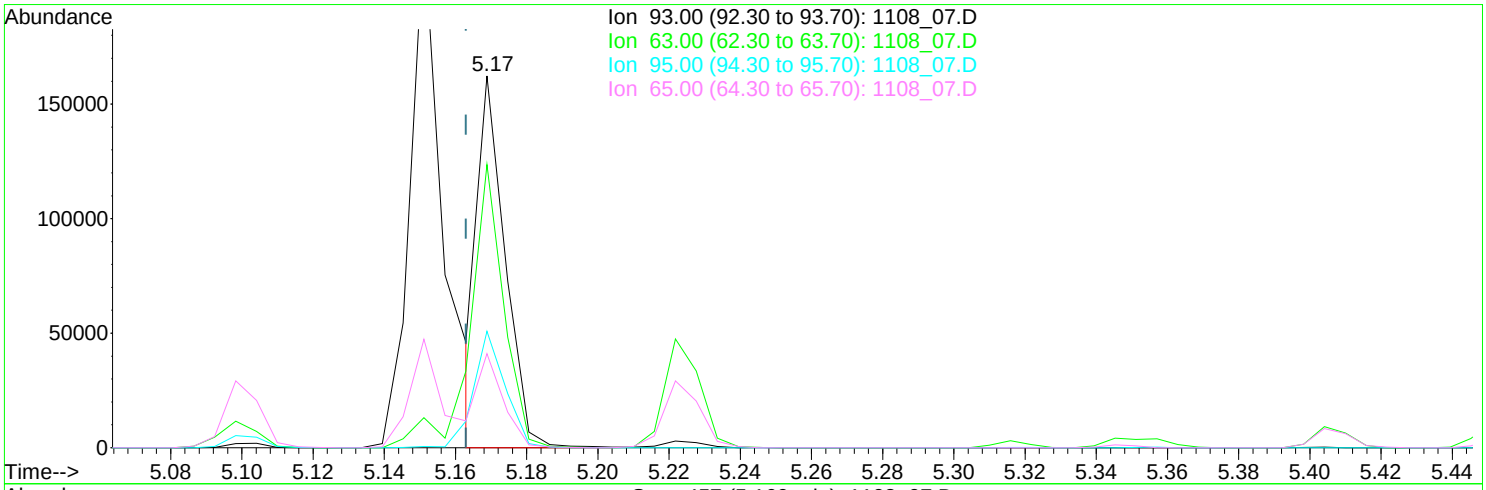
Quantitation Report (Qedit)

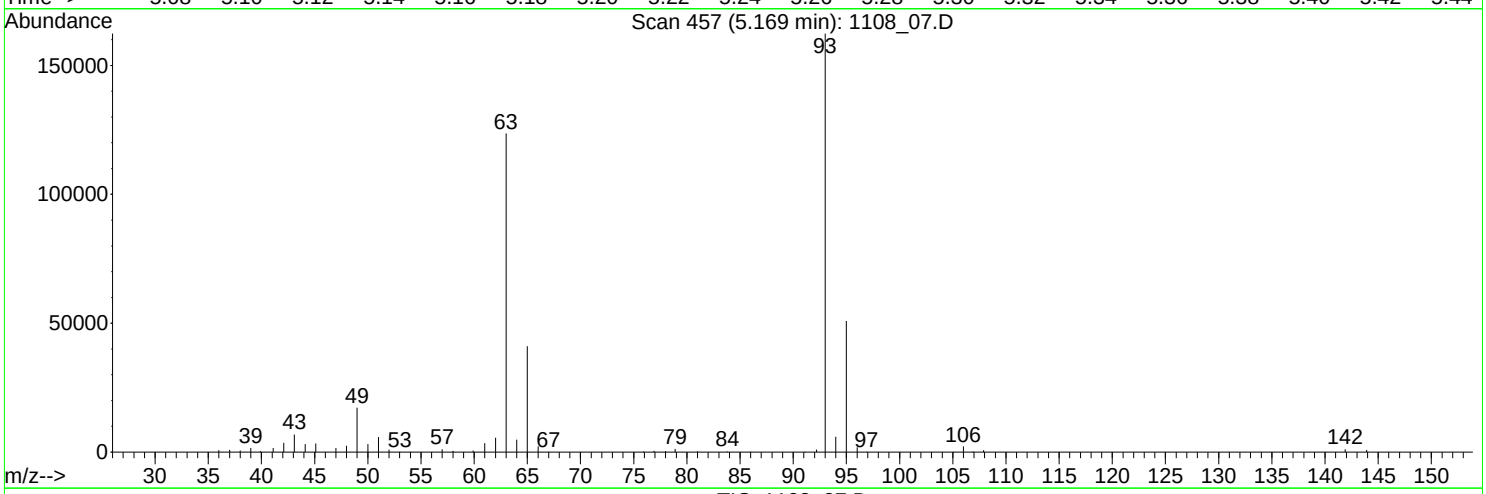
Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:36 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_07.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.006) 6.6429023 ppb m

response 86341

Ion	Exp%	Act%
93.00	100	100
63.00	72.50	76.14
95.00	31.70	31.33
65.00	23.80	25.34

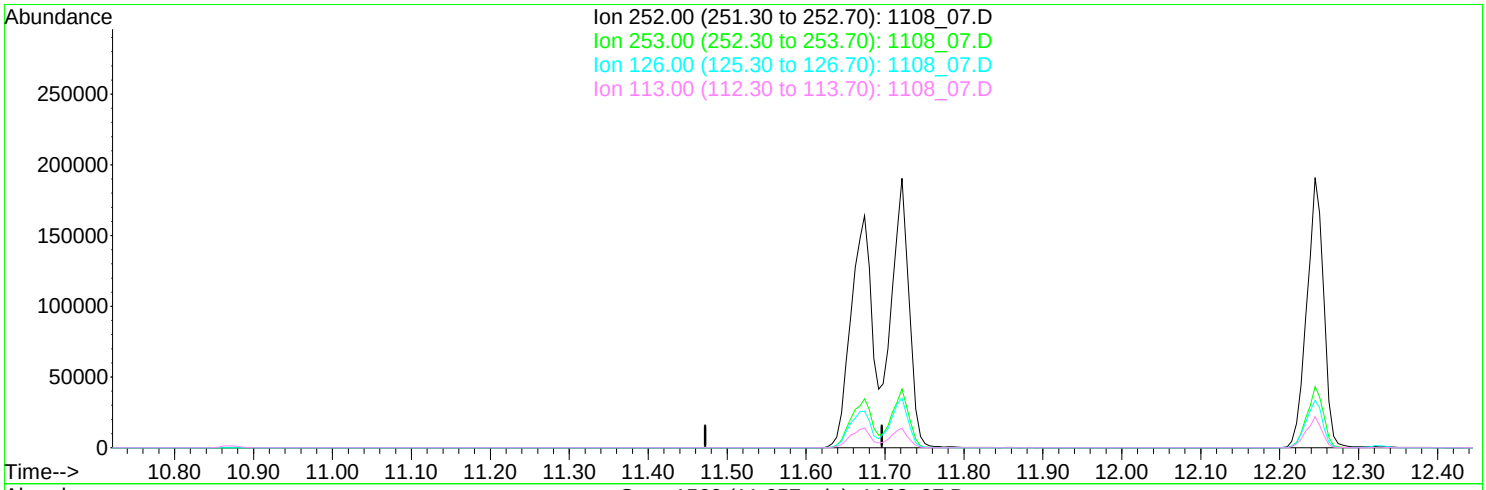
Quantitation Report (Qedit)

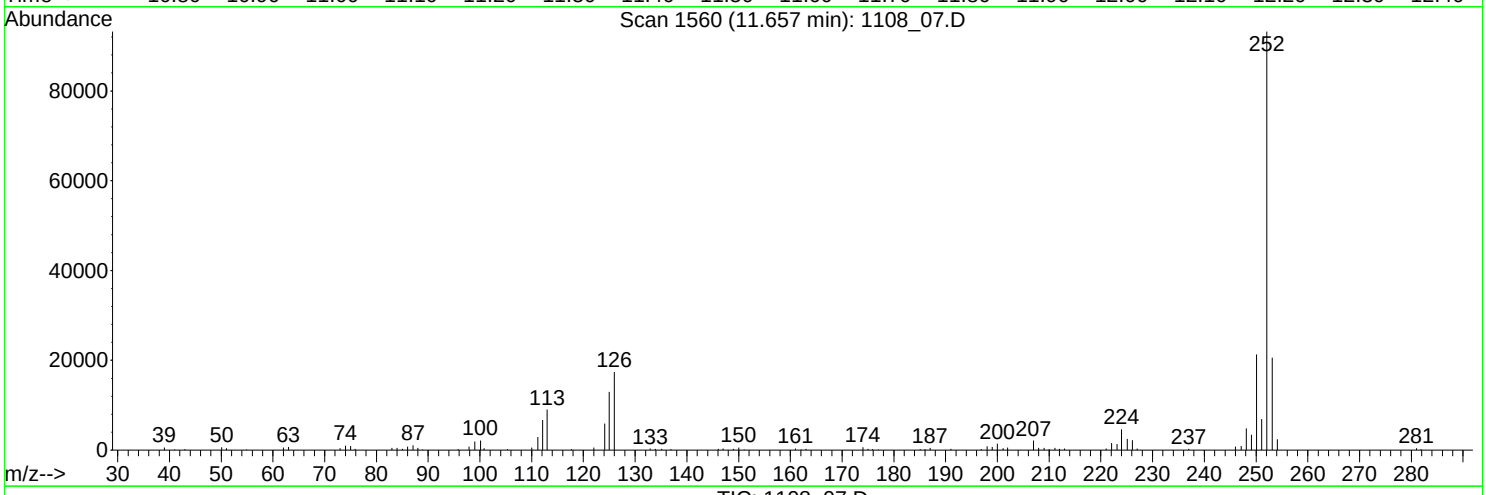
Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:36 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_07.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

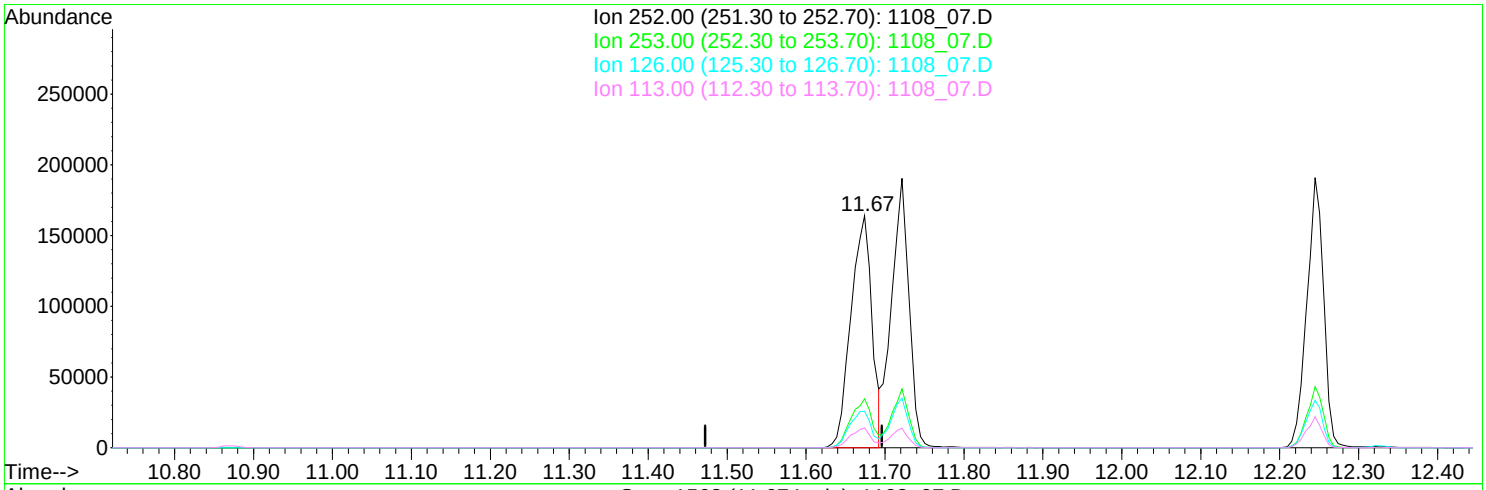
Quantitation Report (Qedit)

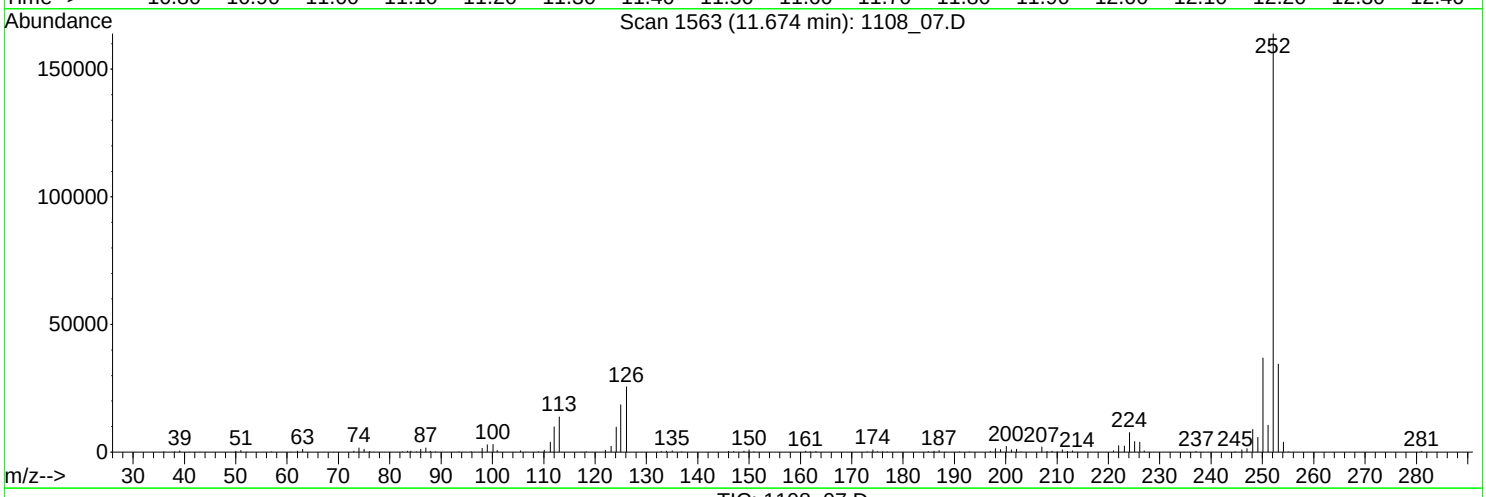
Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:36 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_07.D

(89) Benzo(b)fluoranthene (MT)

11.67min (+0.018) 8.3765843 ppb m

response 303571

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.11
126.00	17.40	15.67
113.00	8.40	8.49

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377
Sample : LCS 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:36 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	73575	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	280372	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	160087	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	256674	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	232279	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	237271	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	124202	10.7535724 ppb	0.02
Spiked Amount 20.000	Range 10 - 75		Recovery = 53.77%		
7) Phenol-d5	5.09	99	115378	8.3497797 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 41.75%		
23) Nitrobenzene-d5	5.66	82	123536	8.0212946 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 80.21%		
44) 2-Fluorobiphenyl	6.70	172	212126	7.9284083 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 79.28%		
67) 2,4,6-Tribromophenol	7.58	330	60671	17.9738782 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 89.87%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 91.21%		

Target Compounds					Qvalue
2) Pyridine	3.65	79	49908	3.8398664 ppb	96
3) N-Nitrosodimethylamine	3.62	42	31930	3.9589785 ppb	93
5) Aniline	5.15	93	142999m	7.5355137 ppb	
6) bis(2-Chloroethyl)ether	5.17	93	86341m	6.6429023 ppb	
8) Phenol	5.10	94	60808	3.7332972 ppb	86
9) Benzaldehyde	5.10	105	73721	7.5004026 ppb	98
10) 2-Chlorophenol	5.22	128	92787	7.2035067 ppb	92
11) n-Decane	5.22	41	65325	7.9287970 ppb	98
12) 1,3-Dichlorobenzene	5.32	146	96017	6.6735496 ppb	96
13) 1,4-Dichlorobenzene	5.36	146	102355	7.0959640 ppb	98
14) Benzyl Alcohol	5.40	79	74203	6.5477899 ppb	98
15) 1,2-Dichlorobenzene	5.45	146	93146	6.9765465 ppb	97
16) bis(2-Chloroisopropyl)ethe	5.48	121	33069	7.7236416 ppb	100
17) 2-Methylphenol	5.46	108	78227	6.6292894 ppb	97
18) Hexachloroethane	5.65	117	41225	6.9318976 ppb	99
19) N-Nitrosodi-n-propylamine	5.55	70	77850	7.8759403 ppb	93
20) 3&4-Methyl phenol	5.54	107	94119	7.2190060 ppb	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377
Sample : LCS 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:36 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21)	Acetophenone	5.57	105	135787	8.2021133	ppb		98
24)	Nitrobenzene	5.67	77	110171	7.8551823	ppb		99
25)	Isophorone	5.80	82	177967	7.0676482	ppb		100
26)	2-Nitrophenol	5.86	139	52870	8.5304710	ppb	#	78
27)	2,4-Dimethylphenol	5.85	107	102660	8.7355827	ppb		99
28)	bis(2-Chlorethoxy)methane	5.90	93	122478	8.1699297	ppb		99
29)	2,4-Dichlorophenol	5.99	162	81680	8.1855605	ppb		96
30)	Benzoic Acid	5.86	105	12507	4.6885312	ppb	#	1
31)	1,2,4-Trichlorobenzene	6.05	180	79615	6.9876303	ppb		99
32)	Naphthalene	6.10	128	288258	7.6214745	ppb		100
33)	4-Chloroaniline	6.12	65	43289	8.8285730	ppb		95
34)	Hexachloro-1,3-butadiene	6.16	225	47339	7.0759302	ppb		99
35)	Caprolactam	6.32	113	8273	2.2469361	ppb		98
36)	4-Chloro-3-methylphenol	6.37	107	95100	8.5659913	ppb		97
37)	2-Methylnaphthalene	6.50	142	195951	8.1867559	ppb		99
38)	1-Methylnaphthalene	6.56	142	192534	7.9016373	ppb		98
39)	1,2,4,5-Tetrachlorobenzene	6.60	216	79870	7.6998719	ppb		98
41)	Hexachlorocyclopentadiene	6.59	237	47765	8.2424870	ppb		95
42)	2,4,6-Trichlorophenol	6.65	196	63843	8.7260534	ppb		95
43)	2,4,5-Trichlorophenol	6.68	196	65857	8.5812934	ppb		91
45)	Biphenyl	6.77	154	229653	7.6579869	ppb		99
46)	2-Chloronaphthalene	6.79	162	184752	7.8804652	ppb		97
47)	2-Nitroaniline	6.83	138	66514	8.7222054	ppb		95
48)	Acenaphthylene	7.04	152	298481	8.1682088	ppb		100
49)	Dimethyl phthalate	6.92	163	237166	8.6394031	ppb		91
50)	2,6-Dinitrotoluene	6.96	165	51248	8.4780468	ppb		90
51)	3-Nitroaniline	7.07	138	52226	8.7075024	ppb		88
52)	Acenaphthene	7.14	153	187771	7.9517976	ppb		99
53)	2,4-Dinitrophenol	7.13	184	17818	9.7163321	ppb	#	83
54)	Dibenzofuran	7.24	168	253227	7.7399452	ppb		99
55)	2,4-Dinitrotoluene	7.20	165	68386	8.7996972	ppb		81
56)	2,3,4,6-Tetrachlorophenol	7.30	232	728	0.1445837	ppb		84
57)	4-Nitrophenol	7.13	139	19536	4.1774464	ppb		93
58)	Fluorene	7.44	166	219008	8.0624539	ppb		98
59)	4-Chlorophenyl-phenylether	7.42	204	97038	7.8316569	ppb		95
60)	Diethyl phthalate	7.32	149	240349	8.5775185	ppb		98
62)	Azobenzene	7.51	77	237546	7.8691792	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377
Sample : LCS 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:36 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63)	Atrazine	7.77	200	66769	8.8452322	ppb	97
65)	4,6-Dinitro-2-methylphenol	7.45	198	34481	9.0939367	ppb	92
66)	N-Nitrosodiphenylamine	7.48	169	184841	8.3149519	ppb	99
68)	4-Bromophenyl-phenylether	7.71	248	59827	8.1561372	ppb	92
69)	Hexachlorobenzene	7.76	284	56157	6.9401754	ppb	97
70)	n-octadecane	7.84	55	46348	9.1115561	ppb	99
71)	Pentachlorophenol	7.87	266	38902	7.5150841	ppb	97
72)	Phenanthrene	8.01	178	315483	8.2208546	ppb	97
73)	Anthracene	8.04	178	322623	8.7756777	ppb	99
74)	Carbazole	8.12	167	301233	8.6870684	ppb	100
75)	Di-n-butyl phthalate	8.26	149	448422	9.1945340	ppb	99
76)	2-nitrodiphenylamine	8.40	167	90039	9.0916431	ppb	97
77)	Fluoranthene	8.75	202	354886	8.6127914	ppb	99
79)	Benzidine	8.81	184	122970	5.5805004	ppb	99
80)	Pyrene	8.93	202	364072	8.7716561	ppb	99
82)	Benzylbutyl phthalate	9.37	149	183035	8.8792215	ppb	94
83)	3,3-Dichlorobenzidine	10.00	252	76660	6.5062659	ppb	99
84)	Benzo(a)anthracene	10.07	228	308005	8.4913539	ppb	97
85)	Chrysene	10.12	228	293863	8.6009333	ppb	98
86)	bis(2-Ethylhexyl)phthalate	9.95	149	270483	8.9851510	ppb	99
87)	Di-n-octyl phthalate	10.87	149	455816	8.9687180	ppb	99
89)	Benzo(b)fluoranthene	11.67	252	303571m	8.3765843	ppb	
90)	Benzo(k)fluoranthene	11.72	252	294991	8.5819434	ppb	97
91)	Benzo(a)pyrene	12.24	252	285519	8.3012573	ppb	97
92)	Indeno(1,2,3-cd)pyrene	14.07	276	334246	8.9974928	ppb	98
94)	Benzo(g,h,i)perylene	14.60	276	288024	9.2895663	ppb	98

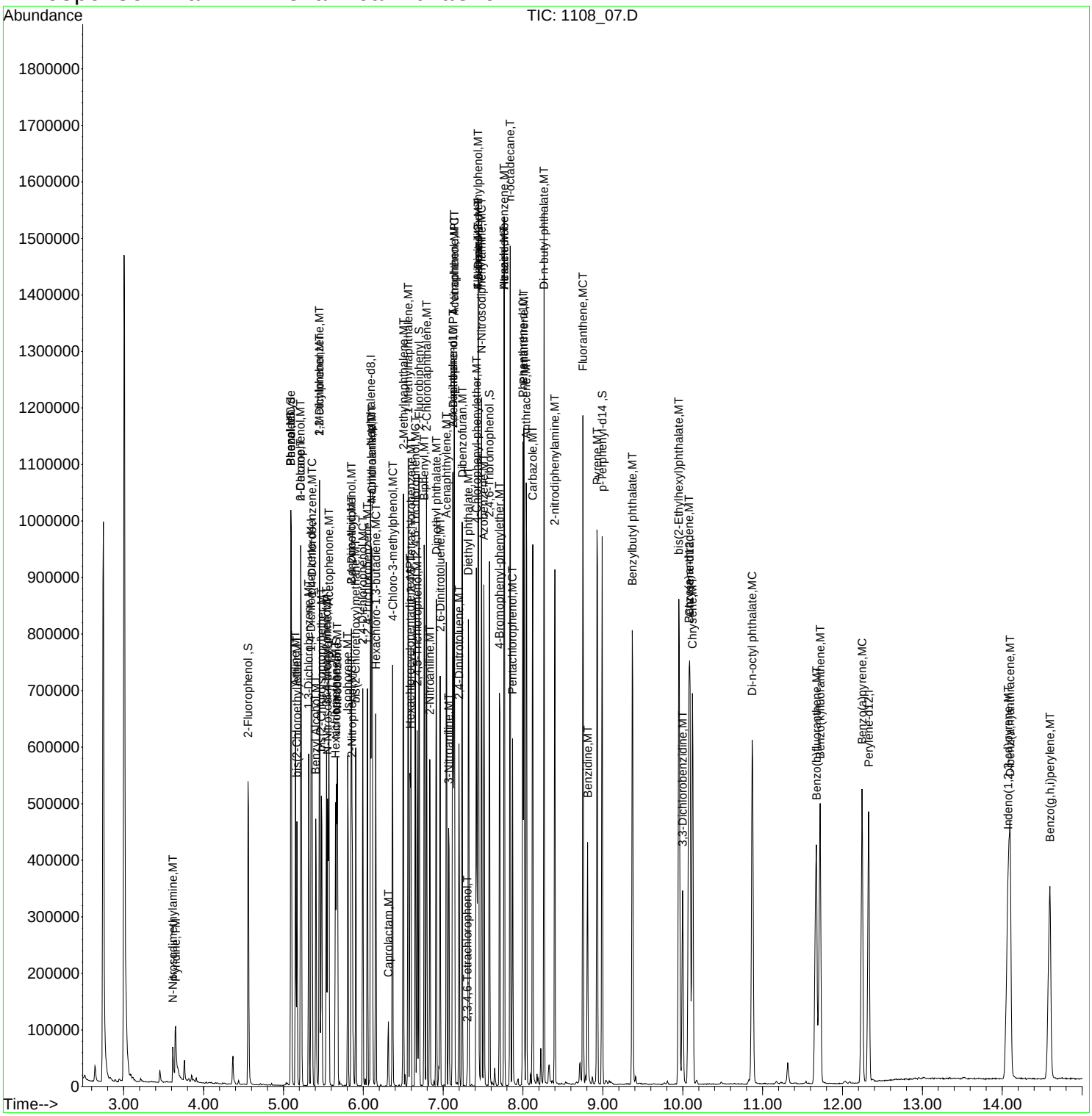
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_07.D Vial: 36
Acq On : 8 Nov 2011 2:07 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



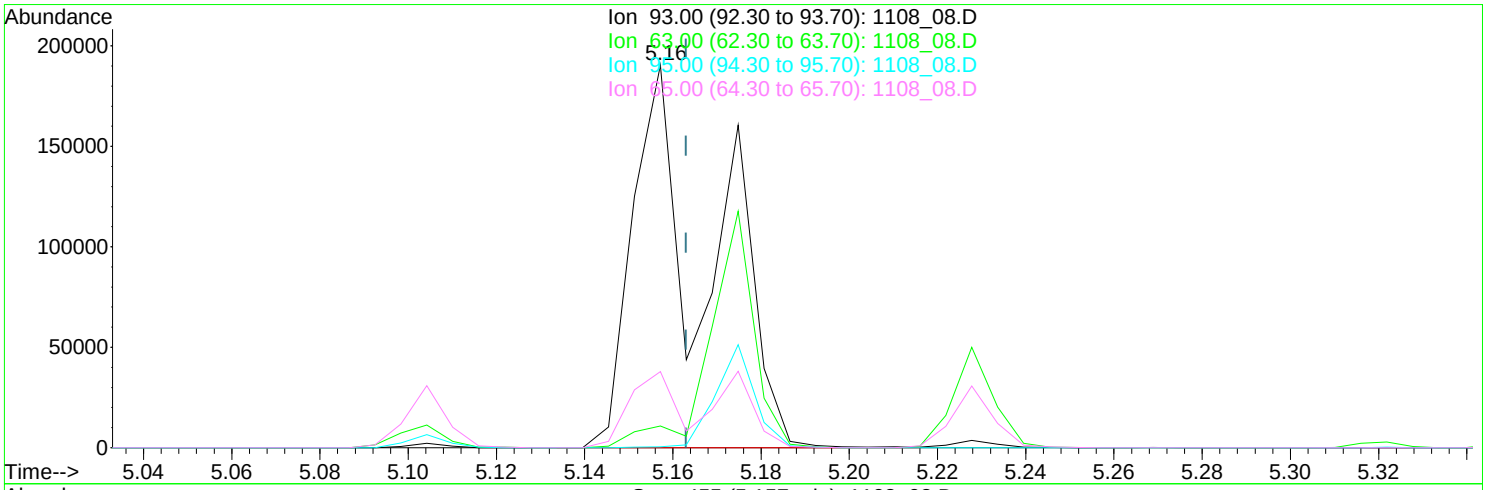
Quantitation Report (Qedit)

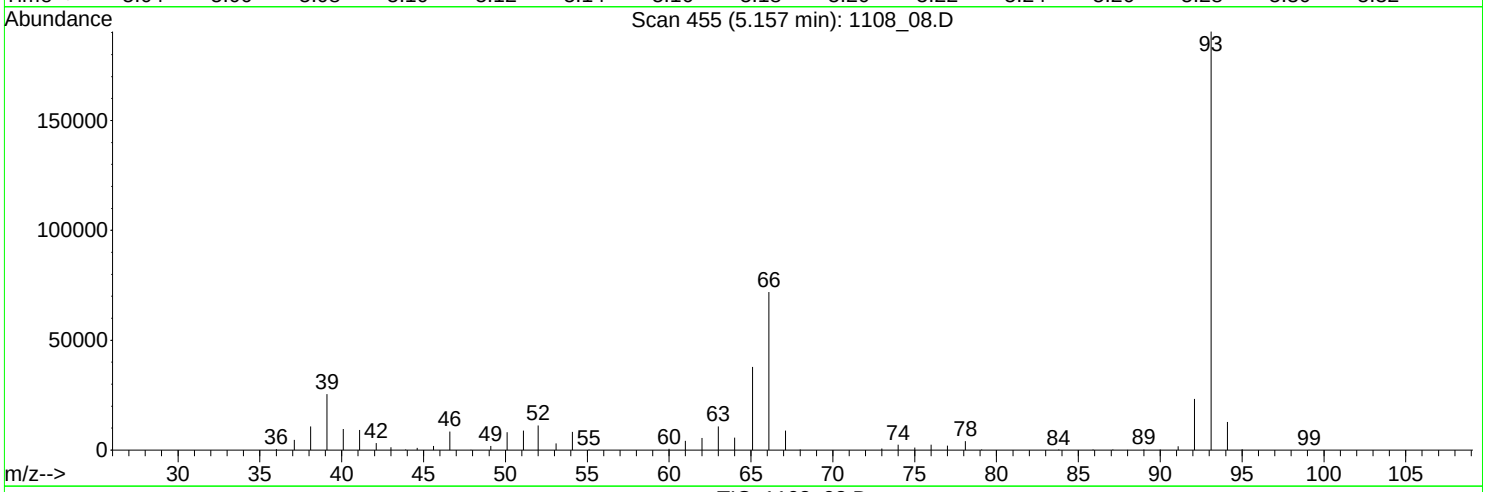
Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:35 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_08.D

(6) bis(2-Chloroethyl)ether (MT)

5.16min (-0.006) 18.1897883 ppb

Qvalue = 39

response 230390

Ion	Exp%	Act%
93.00	100	100
63.00	72.50	5.67#
95.00	31.70	0.23#
65.00	23.80	19.87

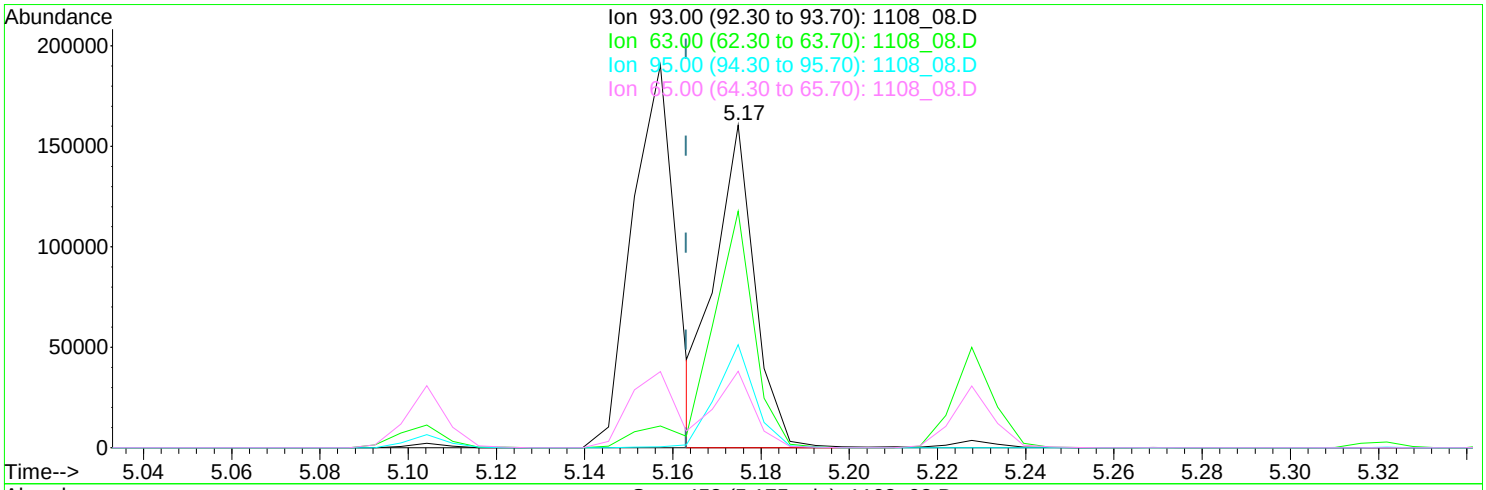
Quantitation Report (Qedit)

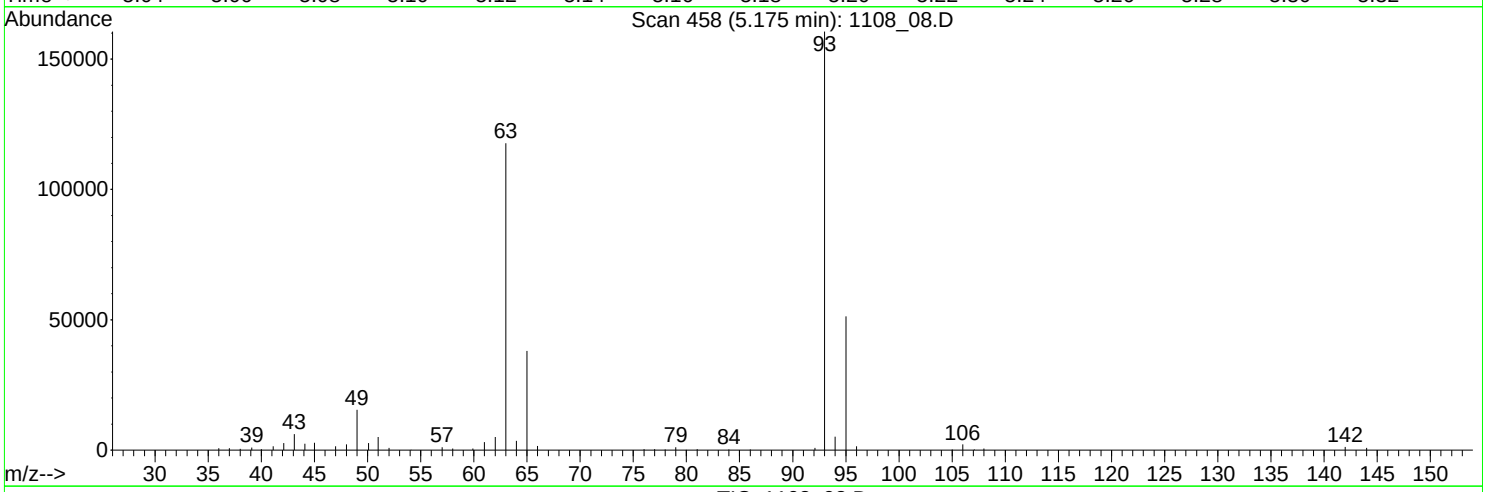
Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_08.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.012) 7.8747675 ppb m

response 99741

Ion	Exp%	Act%
93.00	100	100
63.00	72.50	73.31
95.00	31.70	31.94
65.00	23.80	23.70

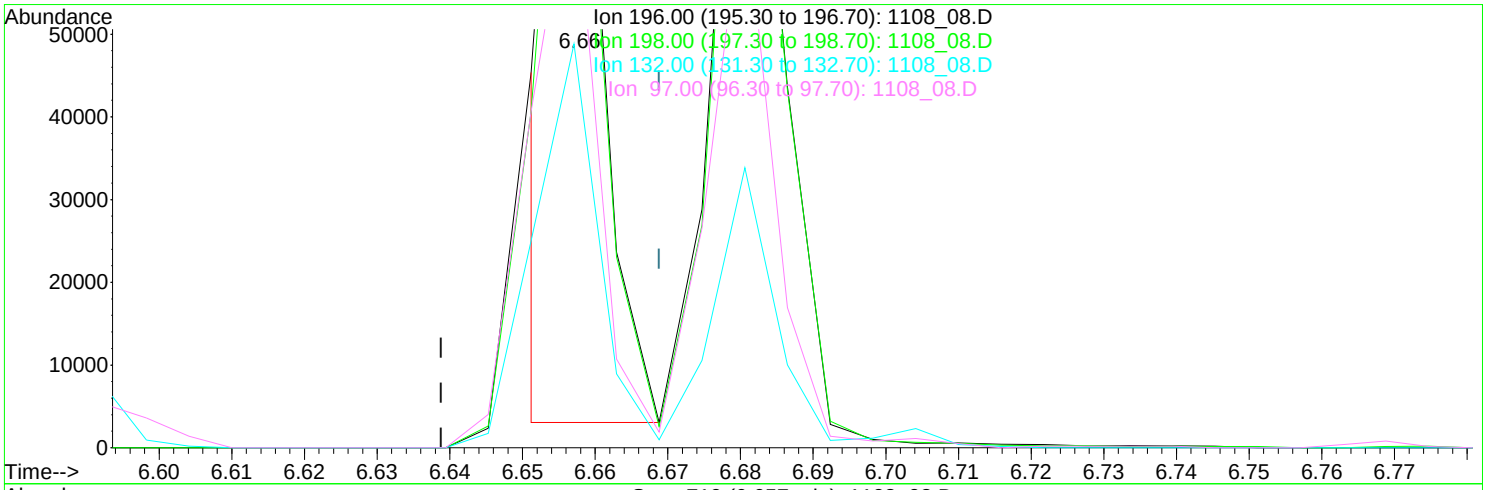
Quantitation Report (Qedit)

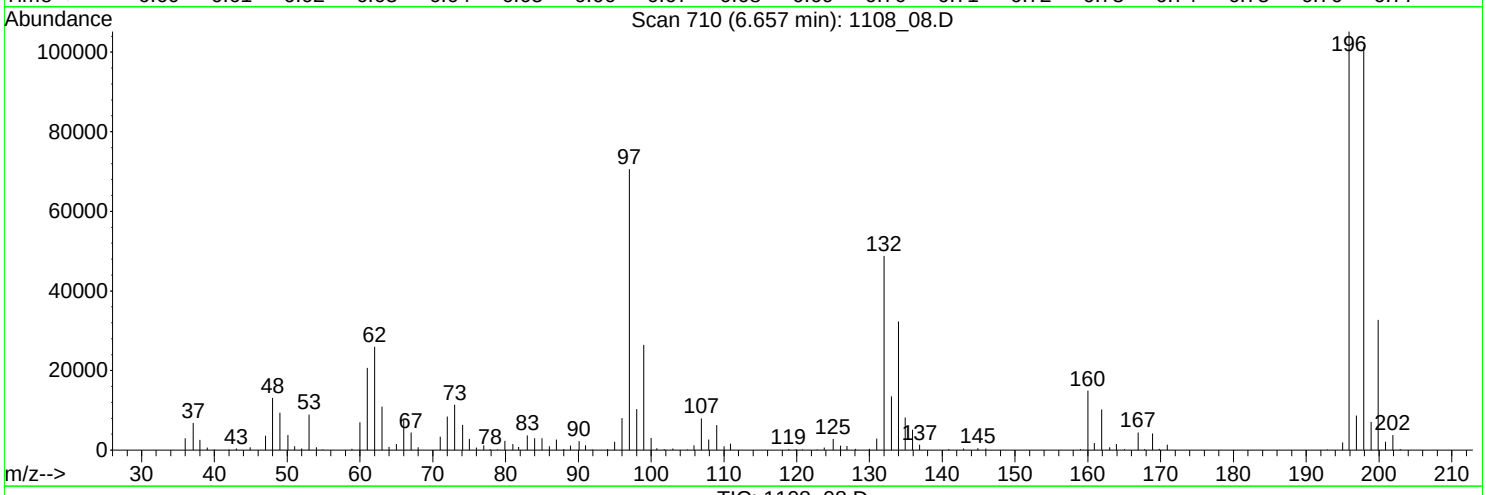
Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_08.D

(43) 2,4,5-Trichlorophenol (MT)

6.66min (-0.012) 5.7317001 ppb

Qvalue = 92

response 43277

Ion	Exp%	Act%
196.00	100	100
198.00	94.10	96.72
132.00	30.90	46.83
97.00	62.80	67.29

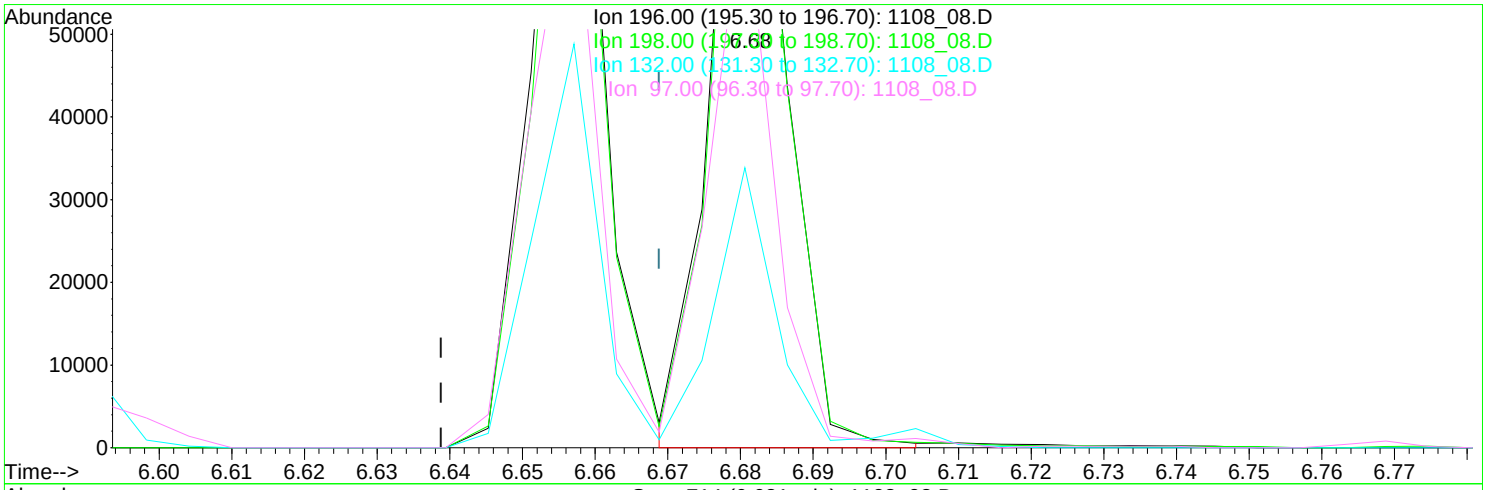
Quantitation Report (Qedit)

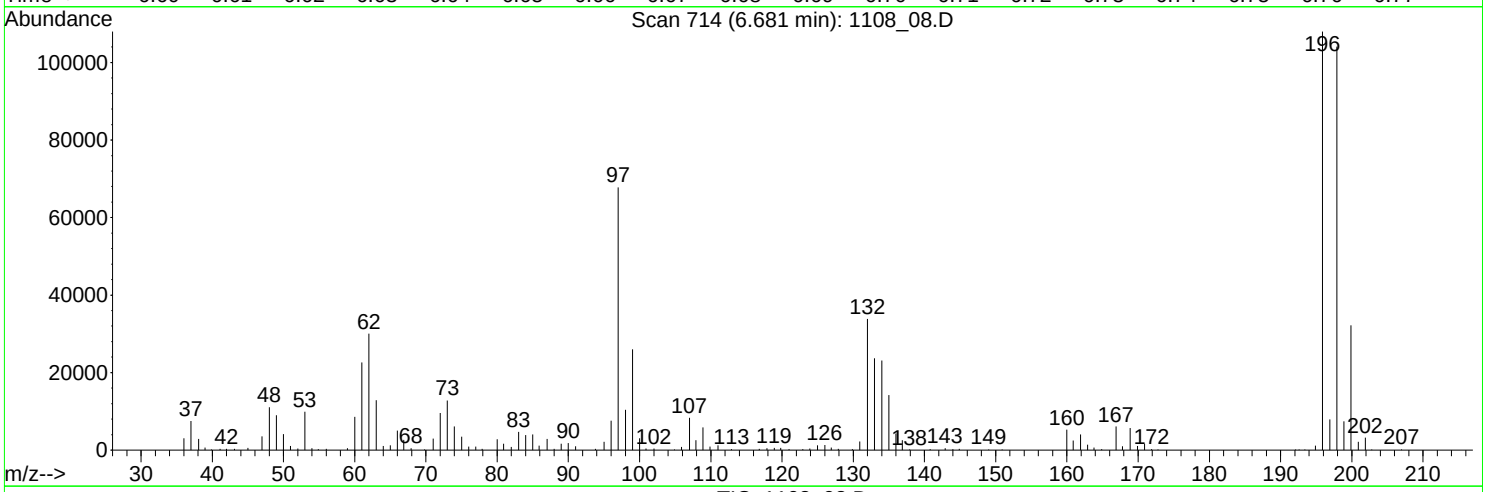
Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_08.D

(43) 2,4,5-Trichlorophenol (MT)

6.68min (+0.012) 8.6417197 ppb m

response 65249

Ion	Exp%	Act%
196.00	100	100
198.00	94.10	96.38
132.00	30.90	31.34
97.00	62.80	62.77

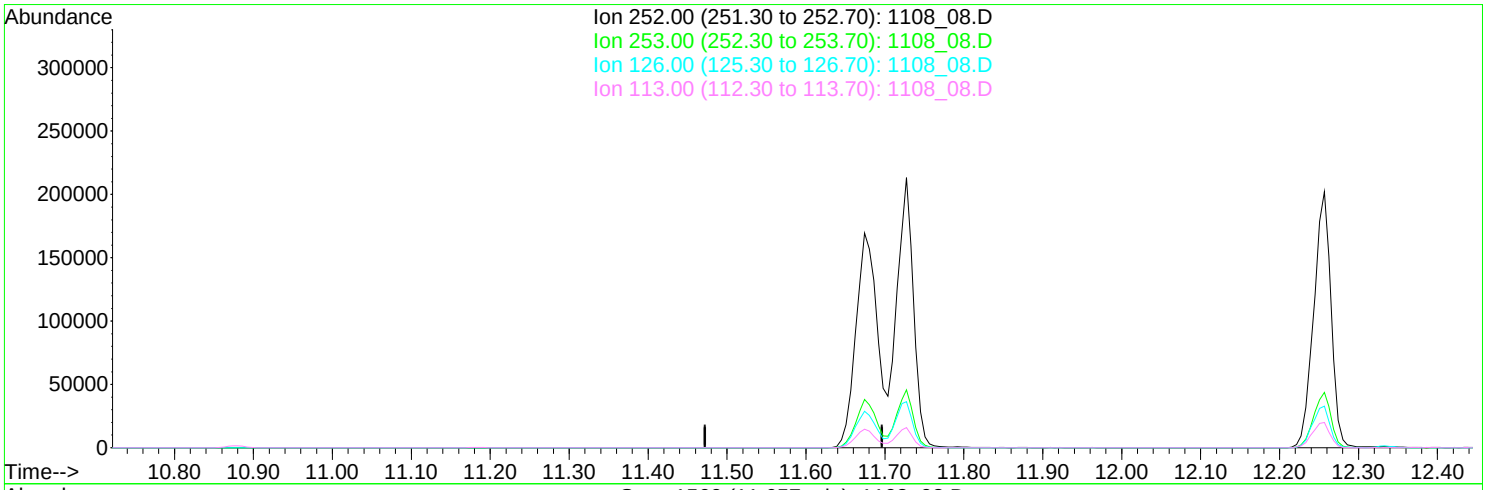
Quantitation Report (Qedit)

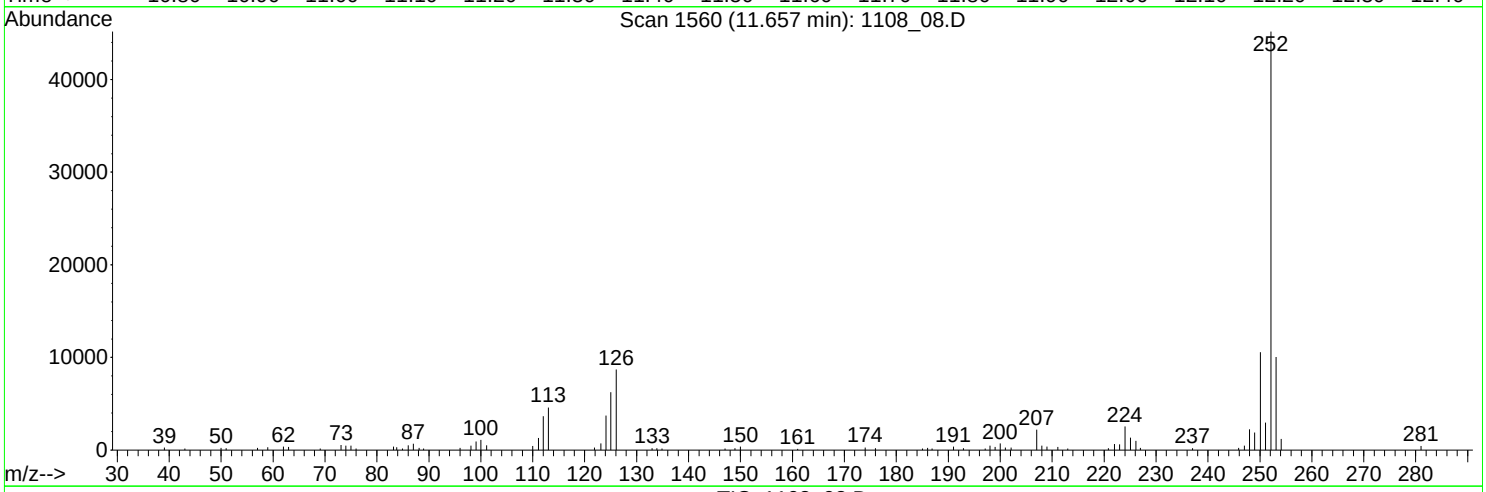
Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_08.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

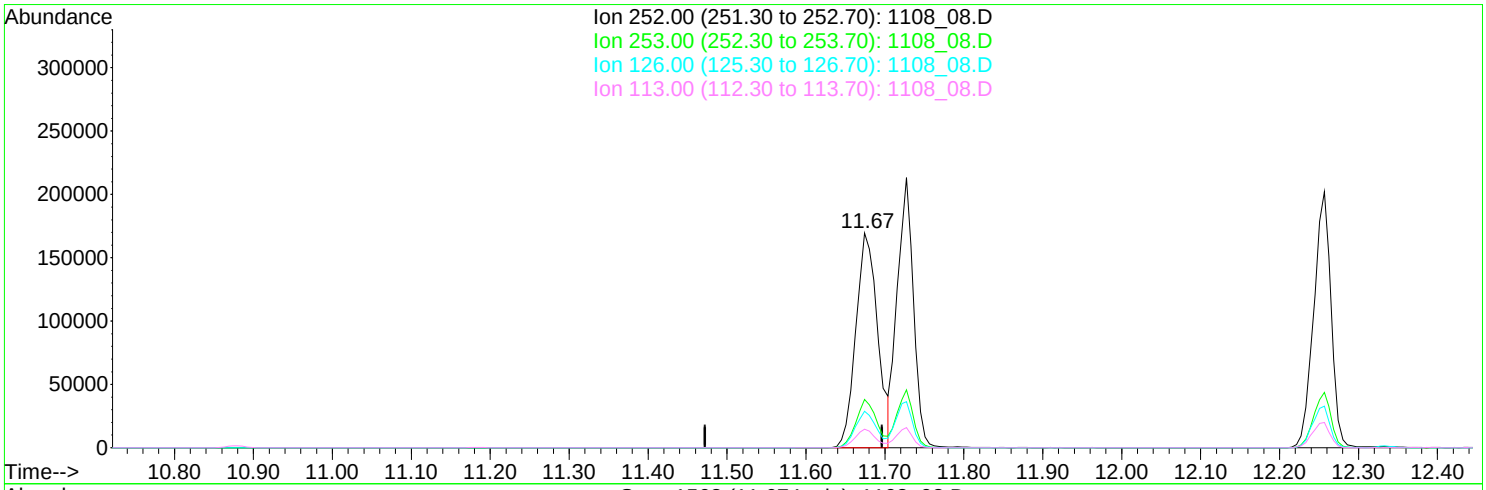
Quantitation Report (Qedit)

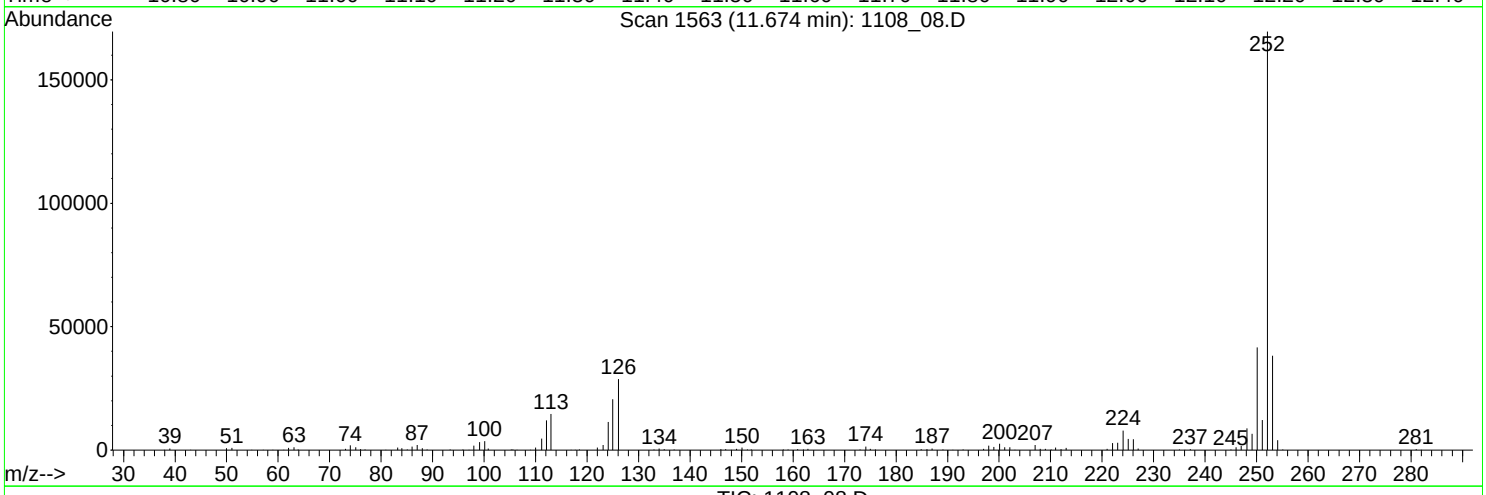
Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_08.D

(89) Benzo(b)fluoranthene (MT)

11.67min (+0.018) 8.7764683 ppb m

response 325110

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.56
126.00	17.40	16.94
113.00	8.40	8.64

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377
Sample : LCSD 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:37 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	71698	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	281124	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	157500	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	253107	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	233343	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	242528	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	120358	10.6935613 ppb	0.02
Spiked Amount 20.000	Range 10 - 75		Recovery = 53.47%		
7) Phenol-d5	5.10	99	110884	8.2346307 ppb	0.01
Spiked Amount 20.000	Range 10 - 63		Recovery = 41.17%		
23) Nitrobenzene-d5	5.67	82	120010	7.7715042 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 77.72%		
44) 2-Fluorobiphenyl	6.70	172	218675	8.3074311 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 83.07%		
67) 2,4,6-Tribromophenol	7.59	330	64857	19.4847671 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 97.42%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 94.27%		

Target Compounds					Qvalue
2) Pyridine	3.65	79	45595	3.5998665 ppb	98
3) N-Nitrosodimethylamine	3.62	42	31150	3.9633781 ppb	95
5) Aniline	5.16	93	130491	7.0564075 ppb	99
6) bis(2-Chloroethyl)ether	5.17	93	99741m	7.8747675 ppb	
8) Phenol	5.10	94	59502	3.7487514 ppb	97
9) Benzaldehyde	5.10	105	71180	7.4314673 ppb	97
10) 2-Chlorophenol	5.23	128	90798	7.2336309 ppb	98
11) n-Decane	5.22	41	59741	7.4408679 ppb	98
12) 1,3-Dichlorobenzene	5.32	146	98701	7.0396901 ppb	97
13) 1,4-Dichlorobenzene	5.36	146	100073	7.1193852 ppb	97
14) Benzyl Alcohol	5.41	79	74544	6.7500843 ppb	99
15) 1,2-Dichlorobenzene	5.45	146	94812	7.2872358 ppb	95
16) bis(2-Chloroisopropyl)ethe	5.48	121	33094	7.9318327 ppb	96
17) 2-Methylphenol	5.46	108	79291	6.8953677 ppb	99
18) Hexachloroethane	5.66	117	40905	7.0581535 ppb	94
19) N-Nitrosodi-n-propylamine	5.56	70	78346	8.1336196 ppb	95
20) 3&4-Methyl phenol	5.54	107	95775	7.5383359 ppb	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377
Sample : LCSD 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:37 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21)	Acetophenone	5.57	105	137455	8.5202304	ppb		99
24)	Nitrobenzene	5.68	77	108528	7.7173375	ppb		95
25)	Isophorone	5.81	82	179303	7.1016574	ppb		91
26)	2-Nitrophenol	5.86	139	52468	8.4429637	ppb		89
27)	2,4-Dimethylphenol	5.85	107	101305	8.5972235	ppb		98
28)	bis(2-Chlorethoxy)methane	5.91	93	127687	8.4946137	ppb		93
29)	2,4-Dichlorophenol	6.00	162	85820	8.5774445	ppb		92
30)	Benzoic Acid	5.86	105	7546	3.8868716	ppb	#	1
31)	1,2,4-Trichlorobenzene	6.05	180	80529	7.0489437	ppb		97
32)	Naphthalene	6.11	128	300789	7.9315177	ppb		96
33)	4-Chloroaniline	6.12	65	42364	8.6168123	ppb		97
34)	Hexachloro-1,3-butadiene	6.16	225	49598	7.3937598	ppb		98
35)	Caprolactam	6.32	113	7979	2.1612892	ppb		97
36)	4-Chloro-3-methylphenol	6.37	107	97911	8.7955968	ppb		91
37)	2-Methylnaphthalene	6.50	142	200978	8.3743208	ppb		99
38)	1-Methylnaphthalene	6.57	142	198366	8.1192069	ppb		98
39)	1,2,4,5-Tetrachlorobenzene	6.60	216	83620	8.0398268	ppb		98
41)	Hexachlorocyclopentadiene	6.59	237	49254	8.6390403	ppb		97
42)	2,4,6-Trichlorophenol	6.66	196	63373	8.8040876	ppb		90
43)	2,4,5-Trichlorophenol	6.68	196	65249m	8.6417197	ppb		
45)	Biphenyl	6.77	154	241881	8.1982236	ppb		99
46)	2-Chloronaphthalene	6.80	162	183066	7.9368086	ppb		94
47)	2-Nitroaniline	6.84	138	68901	9.1836279	ppb		95
48)	Acenaphthylene	7.05	152	318808	8.8677789	ppb		100
49)	Dimethyl phthalate	6.92	163	239973	8.8852407	ppb		98
50)	2,6-Dinitrotoluene	6.96	165	55254	9.2909071	ppb		94
51)	3-Nitroaniline	7.07	138	53523	9.0703238	ppb		93
52)	Acenaphthene	7.15	153	199290	8.5782325	ppb		100
53)	2,4-Dinitrophenol	7.13	184	16321	9.3428175	ppb	#	74
54)	Dibenzofuran	7.24	168	261985	8.1391642	ppb		99
55)	2,4-Dinitrotoluene	7.20	165	69382	9.0745030	ppb		88
56)	2,3,4,6-Tetrachlorophenol	7.30	232	621	0.1253588	ppb	#	79
57)	4-Nitrophenol	7.14	139	19198	4.1725998	ppb	#	84
58)	Fluorene	7.45	166	224118	8.3860898	ppb		100
59)	4-Chlorophenyl-phenylether	7.42	204	99690	8.1778458	ppb		83
60)	Diethyl phthalate	7.32	149	253373	9.1908396	ppb		99
62)	Azobenzene	7.52	77	251887	8.4813107	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377
Sample : LCSD 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:37 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63)	Atrazine	7.77	200	68743	9.2563199	ppb	98
65)	4,6-Dinitro-2-methylphenol	7.45	198	34321	9.1793035	ppb	88
66)	N-Nitrosodiphenylamine	7.49	169	198304	9.0462926	ppb	99
68)	4-Bromophenyl-phenylether	7.71	248	62508	8.6417286	ppb	94
69)	Hexachlorobenzene	7.77	284	61011	7.6463191	ppb	99
70)	n-octadecane	7.84	55	46934	9.3567892	ppb	98
71)	Pentachlorophenol	7.87	266	39772	7.7842965	ppb	93
72)	Phenanthrene	8.02	178	331701	8.7652742	ppb	99
73)	Anthracene	8.05	178	325066	8.9667407	ppb	100
74)	Carbazole	8.12	167	299839	8.7687268	ppb	99
75)	Di-n-butyl phthalate	8.26	149	461053	9.5867496	ppb	100
76)	2-nitrodiphenylamine	8.40	167	92386	9.4600973	ppb	99
77)	Fluoranthene	8.76	202	360091	8.8622715	ppb	99
79)	Benzidine	8.82	184	129190	5.8360370	ppb	100
80)	Pyrene	8.93	202	368528	8.8385287	ppb	99
82)	Benzylbutyl phthalate	9.37	149	194225	9.3790974	ppb	99
83)	3,3-Dichlorobenzidine	10.00	252	90277	7.6270270	ppb	98
84)	Benzo(a)anthracene	10.08	228	329699	9.0479872	ppb	99
85)	Chrysene	10.13	228	311795	9.0841645	ppb	98
86)	bis(2-Ethylhexyl)phthalate	9.96	149	282042	9.3264069	ppb	99
87)	Di-n-octyl phthalate	10.88	149	471069	9.2265747	ppb	99
89)	Benzo(b)fluoranthene	11.67	252	325110m	8.7764683	ppb	
90)	Benzo(k)fluoranthene	11.73	252	305376	8.6914965	ppb	99
91)	Benzo(a)pyrene	12.26	252	311169	8.8509107	ppb	98
92)	Indeno(1,2,3-cd)pyrene	14.08	276	366130	9.6421389	ppb	97
94)	Benzo(g,h,i)perylene	14.61	276	308435	9.7322485	ppb	99

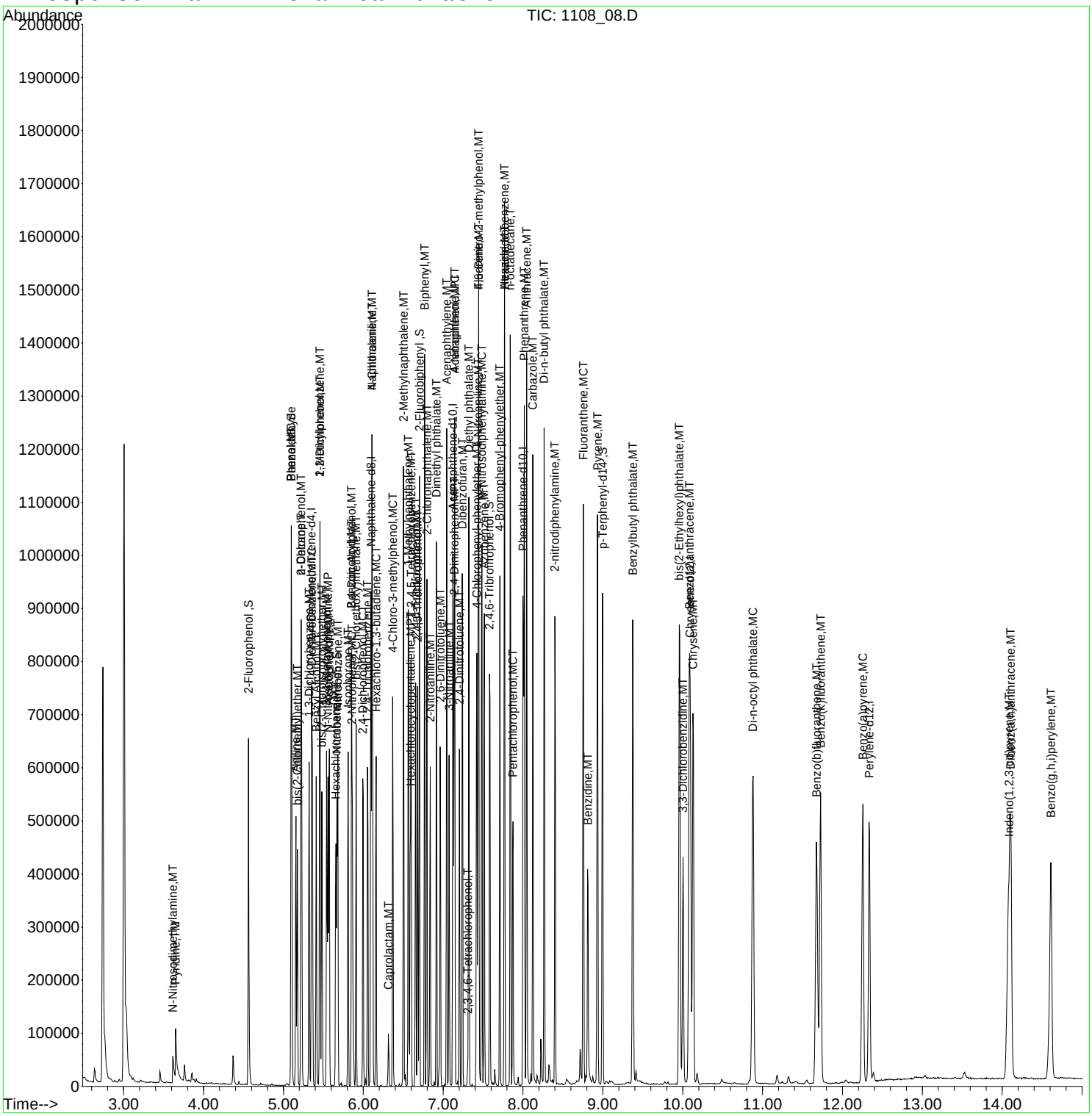
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_08.D Vial: 37
Acq On : 8 Nov 2011 2:27 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_09.D Vial: 38
Acq On : 8 Nov 2011 2:48 pm Operator: 377
Sample : BLANK 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:39 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	72408	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	289549	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	158943	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	251308	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	224510	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	232398	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	132670	11.6718748 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 58.36%		
7) Phenol-d5	5.09	99	122958	9.0417506 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 45.21%		
23) Nitrobenzene-d5	5.66	82	117976	7.4174934 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 74.17%		
44) 2-Fluorobiphenyl	6.70	172	235452	8.8635796 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 88.64%		
67) 2,4,6-Tribromophenol	7.58	330	62236	18.8311949 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 94.16%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 100.80%		

Target Compounds				Qvalue
2) Pyridine	0.00	79	0	N.D.
3) N-Nitrosodimethylamine	3.60	42	243	N.D.
5) Aniline	0.00	93	0	N.D.
6) bis(2-Chloroethyl)ether	5.40	93	65	N.D.
8) Phenol	5.10	94	147	N.D.
9) Benzaldehyde	5.09	105	283	N.D.
10) 2-Chlorophenol	0.00	128	0	N.D.
11) n-Decane	5.22	41	4047	N.D.
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) Benzyl Alcohol	0.00	79	0	N.D.
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.
16) bis(2-Chloroisopropyl)ethe	5.63	121	192	N.D.
17) 2-Methylphenol	5.35	108	358	N.D.
18) Hexachloroethane	0.00	117	0	N.D.
19) N-Nitrosodi-n-propylamine	5.35	70	172	N.D.
20) 3&4-Methyl phenol	0.00	107	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_09.D Vial: 38
Acq On : 8 Nov 2011 2:48 pm Operator: 377
Sample : BLANK 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:39 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	Acetophenone	5.57	105	1428	N.D.	
24)	Nitrobenzene	5.66	77	383	N.D.	
25)	Isophorone	0.00	82	0	N.D.	
26)	2-Nitrophenol	0.00	139	0	N.D.	
27)	2,4-Dimethylphenol	6.10	107	2233	N.D.	
28)	bis(2-Chlorethoxy)methane	6.10	93	190	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	0.00	105	0	N.D.	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.11	128	234	N.D.	
33)	4-Chloroaniline	6.09	65	706	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	5.66	113	97	N.D.	
36)	4-Chloro-3-methylphenol	6.10	107	2233	N.D.	
37)	2-Methylnaphthalene	6.50	142	63	N.D.	
38)	1-Methylnaphthalene	6.70	142	83	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.77	154	280	N.D.	
46)	2-Chloronaphthalene	6.76	162	175	N.D.	
47)	2-Nitroaniline	6.70	138	150	N.D.	
48)	Acenaphthylene	0.00	152	0	N.D.	
49)	Dimethyl phthalate	7.00	163	65	N.D.	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	0.00	138	0	N.D.	
52)	Acenaphthene	0.00	153	0	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D.	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	0.00	139	0	N.D.	
58)	Fluorene	7.58	166	3381	N.D.	
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.32	149	76	N.D.	
61)	4-Nitroaniline	0.00	138	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_09.D Vial: 38
Acq On : 8 Nov 2011 2:48 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:39 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	Atrazine	0.00	200	0	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.58	169	2520	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.85	55	257	N.D.	
71)	Pentachlorophenol	0.00	266	0	N.D.	
72)	Phenanthrene	8.01	178	220	N.D.	
73)	Anthracene	8.01	178	220	N.D.	
74)	Carbazole	0.00	167	0	N.D.	
75)	Di-n-butyl phthalate	8.26	149	34381	0.7200073 ppb	99
76)	2-nitrodiphenylamine	0.00	167	0	N.D.	
77)	Fluoranthene	8.93	202	59	N.D.	
79)	Benzidine	8.79	184	58	N.D.	
80)	Pyrene	8.93	202	59	N.D.	
82)	Benzylbutyl phthalate	9.37	149	62	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	10.09	228	550	N.D.	
85)	Chrysene	10.09	228	550	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.96	149	4254	N.D.	
87)	Di-n-octyl phthalate	10.89	149	56	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.34	252	705	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

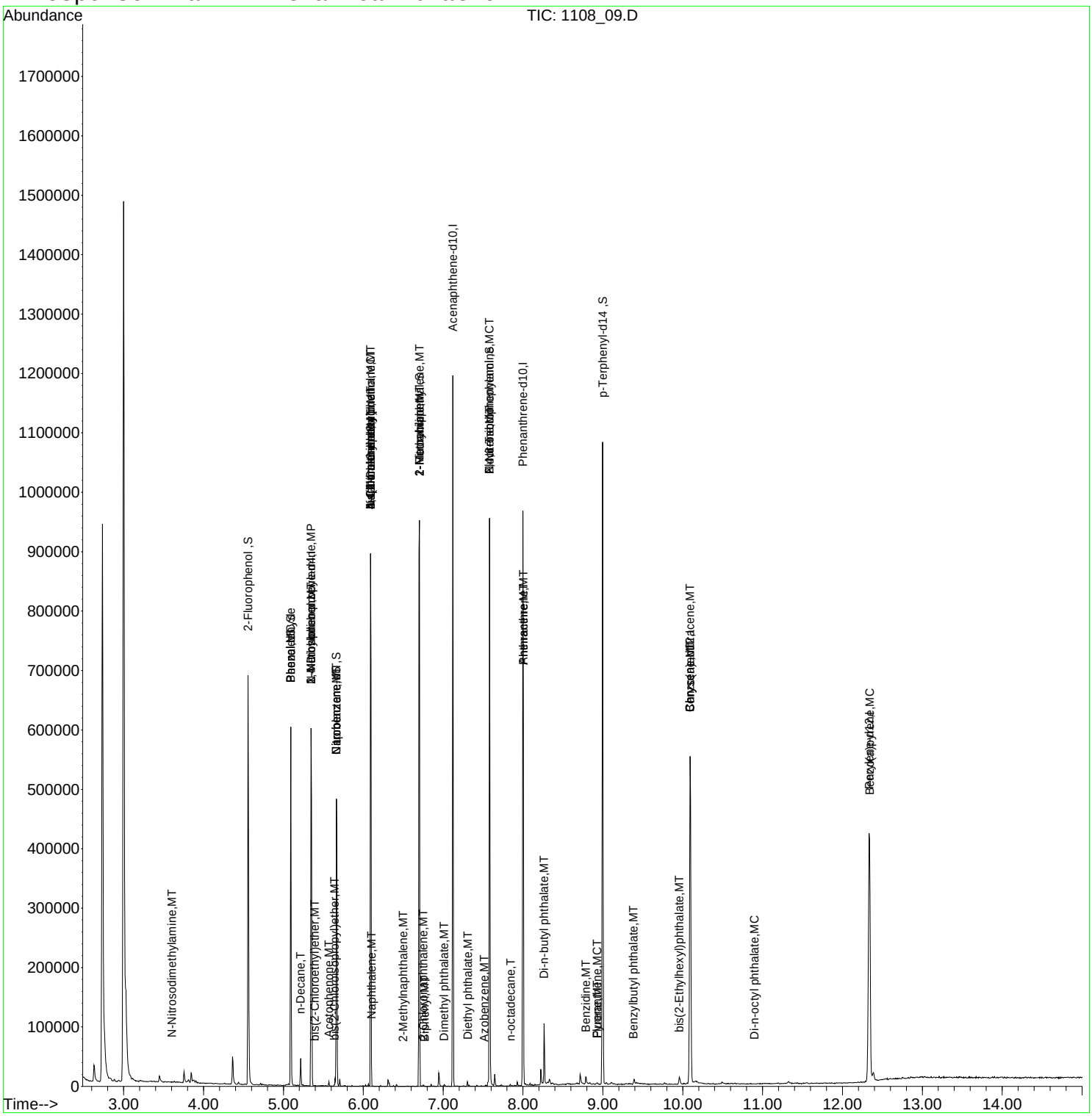
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_09.D Vial: 38
Acq On : 8 Nov 2011 2:48 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_09.D Vial: 38
Acq On : 8 Nov 2011 2:48 pm Operator: 377
Sample : BLANK 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:39 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	72408	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	289549	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	158943	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	251308	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	224510	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	232398	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	132670	11.6718748 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 58.36%		
7) Phenol-d5	5.09	99	122958	9.0417506 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 45.21%		
23) Nitrobenzene-d5	5.66	82	117976	7.4174934 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 74.17%		
44) 2-Fluorobiphenyl	6.70	172	235452	8.8635796 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 88.64%		
67) 2,4,6-Tribromophenol	7.58	330	62236	18.8311949 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 94.16%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 100.80%		

Target Compounds				Qvalue
2) Pyridine	0.00	79	0	N.D.
3) N-Nitrosodimethylamine	3.60	42	243	N.D.
5) Aniline	0.00	93	0	N.D.
6) bis(2-Chloroethyl)ether	5.40	93	65	N.D.
8) Phenol	5.10	94	147	N.D.
9) Benzaldehyde	5.09	105	283	N.D.
10) 2-Chlorophenol	0.00	128	0	N.D.
11) n-Decane	5.22	41	4047	N.D.
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) Benzyl Alcohol	0.00	79	0	N.D.
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.
16) bis(2-Chloroisopropyl)ethe	5.63	121	192	N.D.
17) 2-Methylphenol	5.35	108	358	N.D.
18) Hexachloroethane	0.00	117	0	N.D.
19) N-Nitrosodi-n-propylamine	5.35	70	172	N.D.
20) 3&4-Methyl phenol	0.00	107	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_09.D Vial: 38
Acq On : 8 Nov 2011 2:48 pm Operator: 377
Sample : BLANK 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:39 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	Acetophenone	5.57	105	1428	N.D.	
24)	Nitrobenzene	5.66	77	383	N.D.	
25)	Isophorone	0.00	82	0	N.D.	
26)	2-Nitrophenol	0.00	139	0	N.D.	
27)	2,4-Dimethylphenol	6.10	107	2233	N.D.	
28)	bis(2-Chlorethoxy)methane	6.10	93	190	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	0.00	105	0	N.D.	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.11	128	234	N.D.	
33)	4-Chloroaniline	6.09	65	706	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	5.66	113	97	N.D.	
36)	4-Chloro-3-methylphenol	6.10	107	2233	N.D.	
37)	2-Methylnaphthalene	6.50	142	63	N.D.	
38)	1-Methylnaphthalene	6.70	142	83	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.77	154	280	N.D.	
46)	2-Chloronaphthalene	6.76	162	175	N.D.	
47)	2-Nitroaniline	6.70	138	150	N.D.	
48)	Acenaphthylene	0.00	152	0	N.D.	
49)	Dimethyl phthalate	7.00	163	65	N.D.	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	0.00	138	0	N.D.	
52)	Acenaphthene	0.00	153	0	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D.	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	0.00	139	0	N.D.	
58)	Fluorene	7.58	166	3381	N.D.	
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.32	149	76	N.D.	
61)	4-Nitroaniline	0.00	138	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_09.D Vial: 38
Acq On : 8 Nov 2011 2:48 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 8 20:39 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	Atrazine	0.00	200	0	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.58	169	2520	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.85	55	257	N.D.	
71)	Pentachlorophenol	0.00	266	0	N.D.	
72)	Phenanthrene	8.01	178	220	N.D.	
73)	Anthracene	8.01	178	220	N.D.	
74)	Carbazole	0.00	167	0	N.D.	
75)	Di-n-butyl phthalate	8.26	149	34381	0.7200073 ppb	99
76)	2-nitrodiphenylamine	0.00	167	0	N.D.	
77)	Fluoranthene	8.93	202	59	N.D.	
79)	Benzidine	8.79	184	58	N.D.	
80)	Pyrene	8.93	202	59	N.D.	
82)	Benzylbutyl phthalate	9.37	149	62	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	10.09	228	550	N.D.	
85)	Chrysene	10.09	228	550	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.96	149	4254	N.D.	
87)	Di-n-octyl phthalate	10.89	149	56	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.34	252	705	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

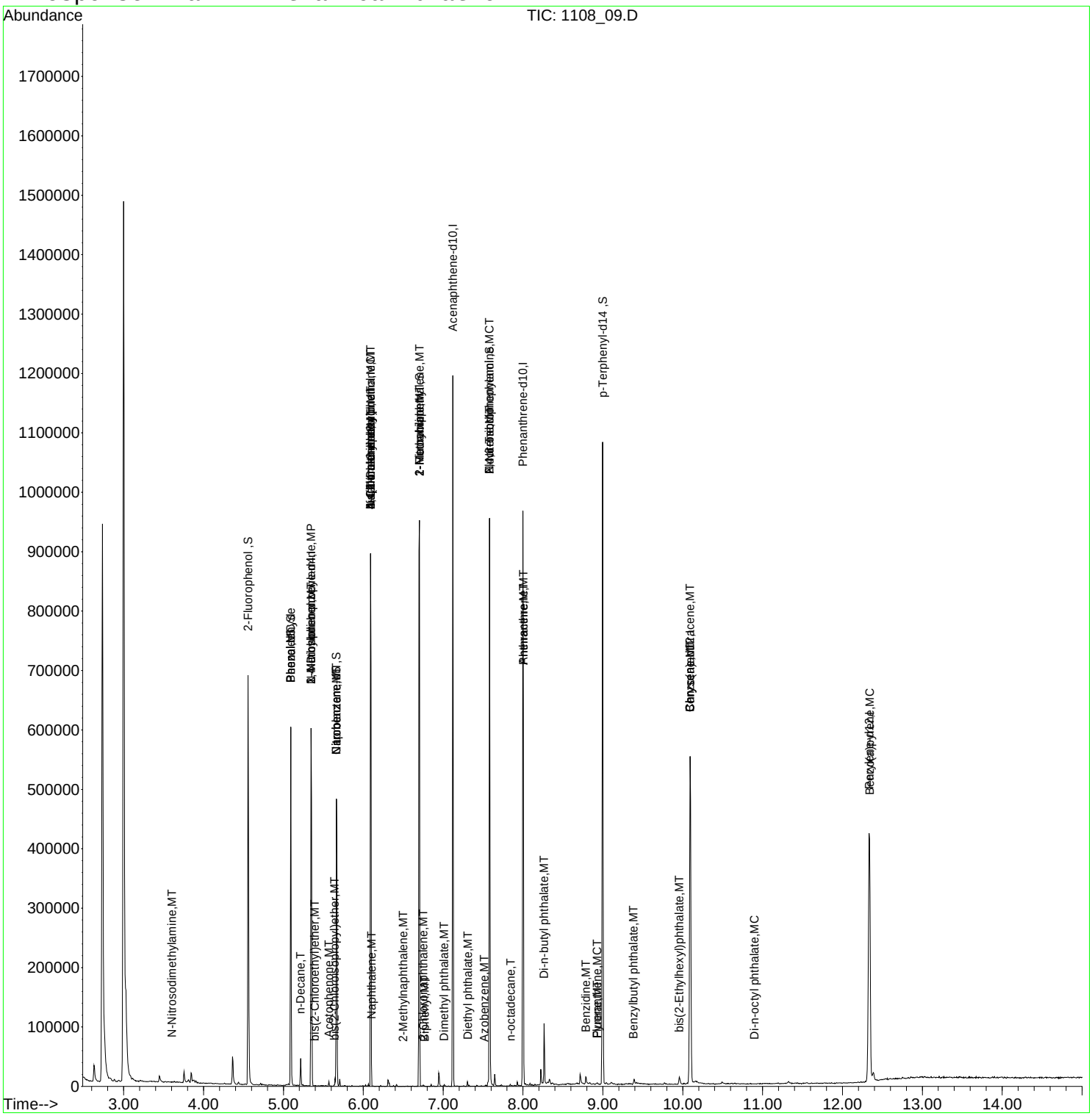
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_09.D Vial: 38
Acq On : 8 Nov 2011 2:48 pm Operator: 377

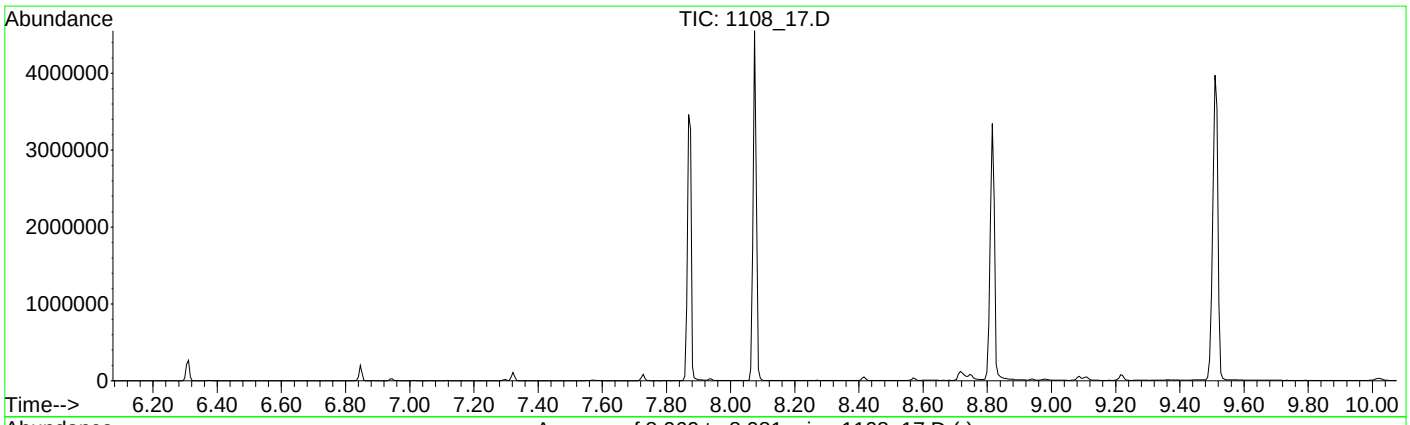
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P

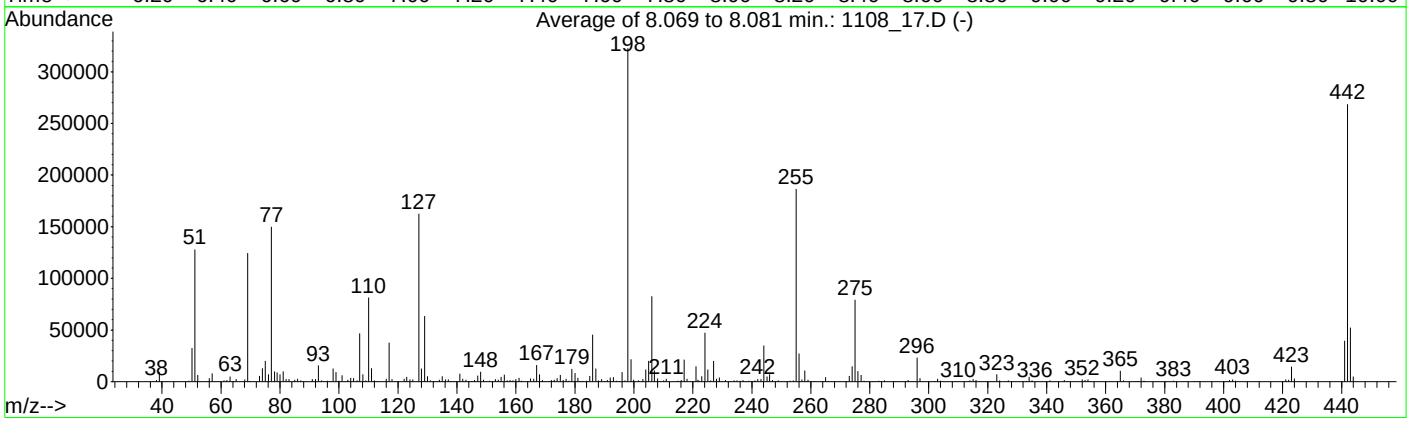
Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



DFTPP

Data File : C:\MSDCHEM\1\DATA\110811\1108_17.D Vial: 1
Acq On : 8 Nov 2011 5:56 pm Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11
Misc : dftpp Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNEC.M (RTE Integrator)



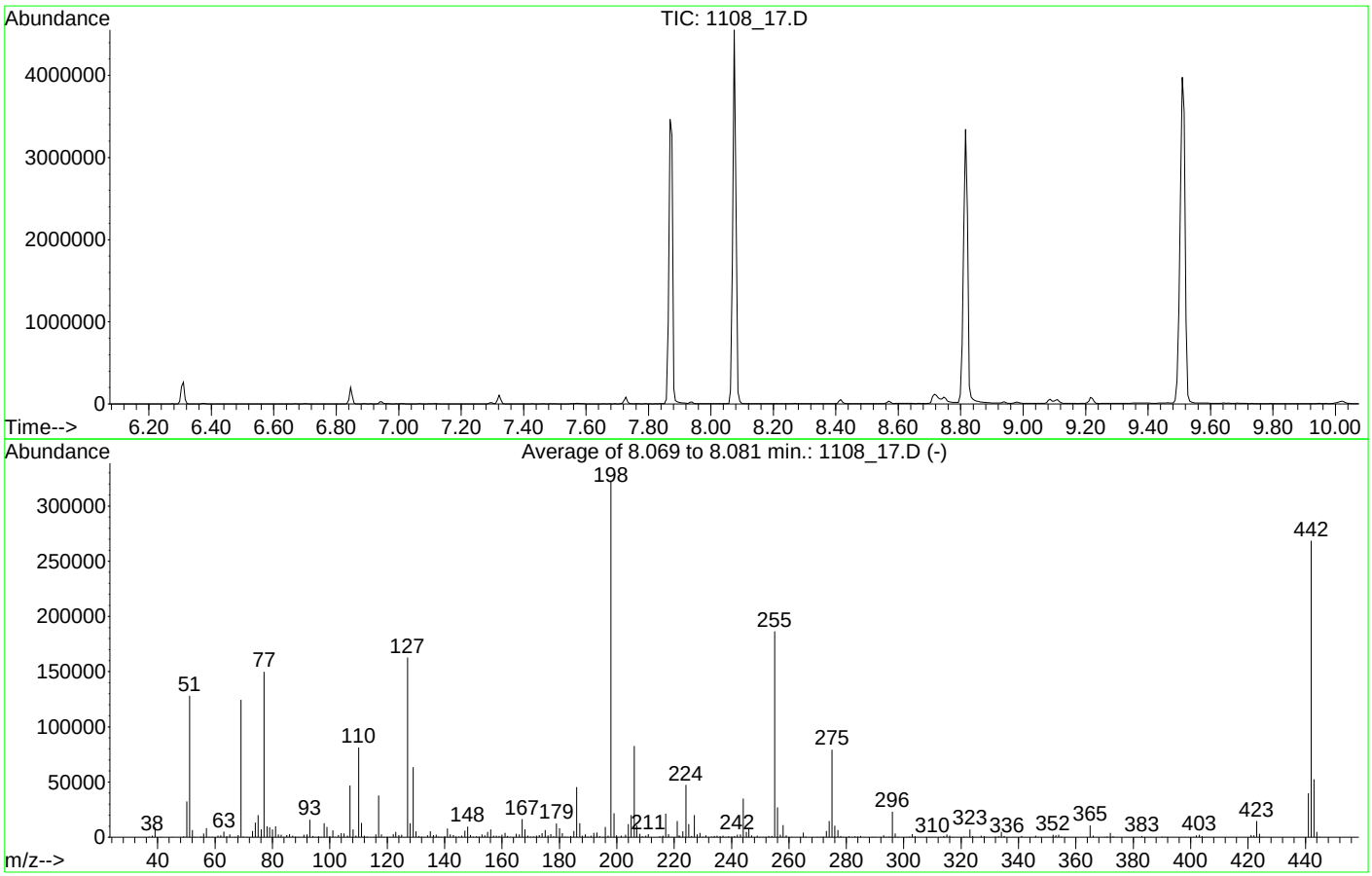


AutoFind: Scans 950, 951, 952; Background Corrected with Scan 945

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.7	127984	PASS
68	69	0.00	2	1.7	2061	PASS
69	198	0.00	100	38.5	124394	PASS
70	69	0.00	2	0.5	592	PASS
127	198	40	60	50.4	162744	PASS
197	198	0.00	1	0.4	1342	PASS
198	198	100	100	100.0	322730	PASS
199	198	5	9	6.7	21659	PASS
275	198	10	30	24.6	79378	PASS
365	198	1	100	3.3	10681	PASS
441	443	0.01	100	75.7	39668	PASS
442	198	40	100	83.2	268584	PASS
443	442	17	23	19.5	52386	PASS

DFTPP

Data File : C:\MSDCHEM\1\DATA\110811\1108_17.D Vial: 1
Acq On : 8 Nov 2011 5:56 pm Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11
Misc : dftpp Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)



AutoFind: Scans 950, 951, 952; Background Corrected with Scan 945

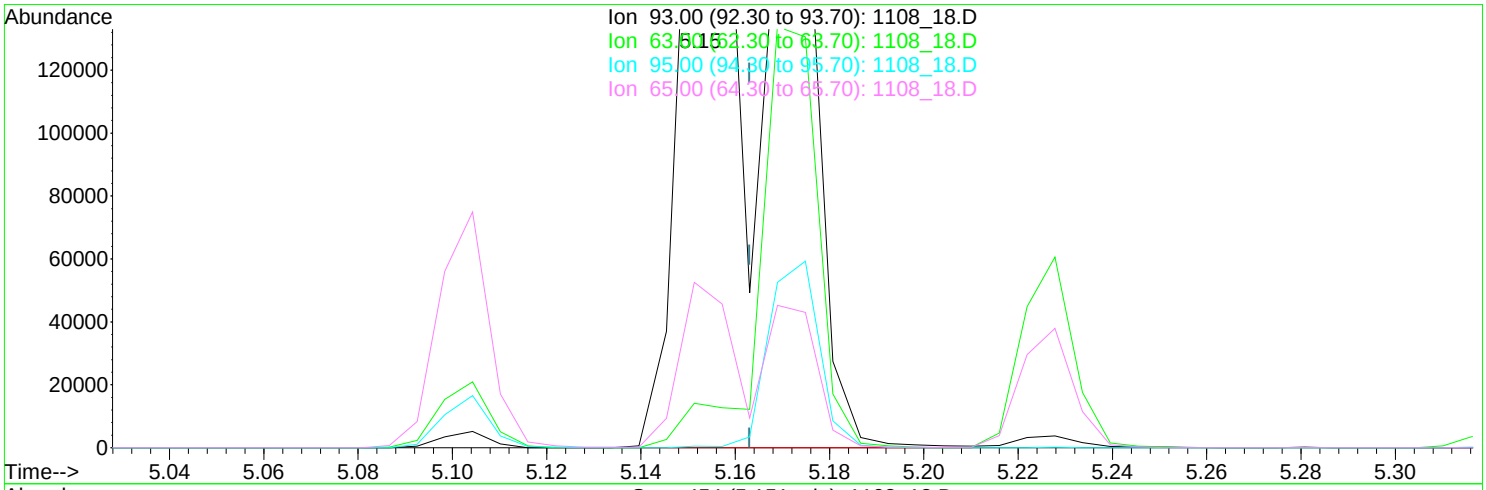
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.7	127984	PASS
68	69	0.00	2	1.7	2061	PASS
70	69	0.00	2	0.5	592	PASS
127	198	10	80	50.4	162744	PASS
197	198	0.00	2	0.4	1342	PASS
198	198	50	100	100.0	322730	PASS
199	198	5	9	6.7	21659	PASS
275	198	10	60	24.6	79378	PASS
365	198	1	100	3.3	10681	PASS
441	442	0.01	24	14.8	39668	PASS
442	198	50	100	83.2	268584	PASS
443	442	15	24	19.5	52386	PASS

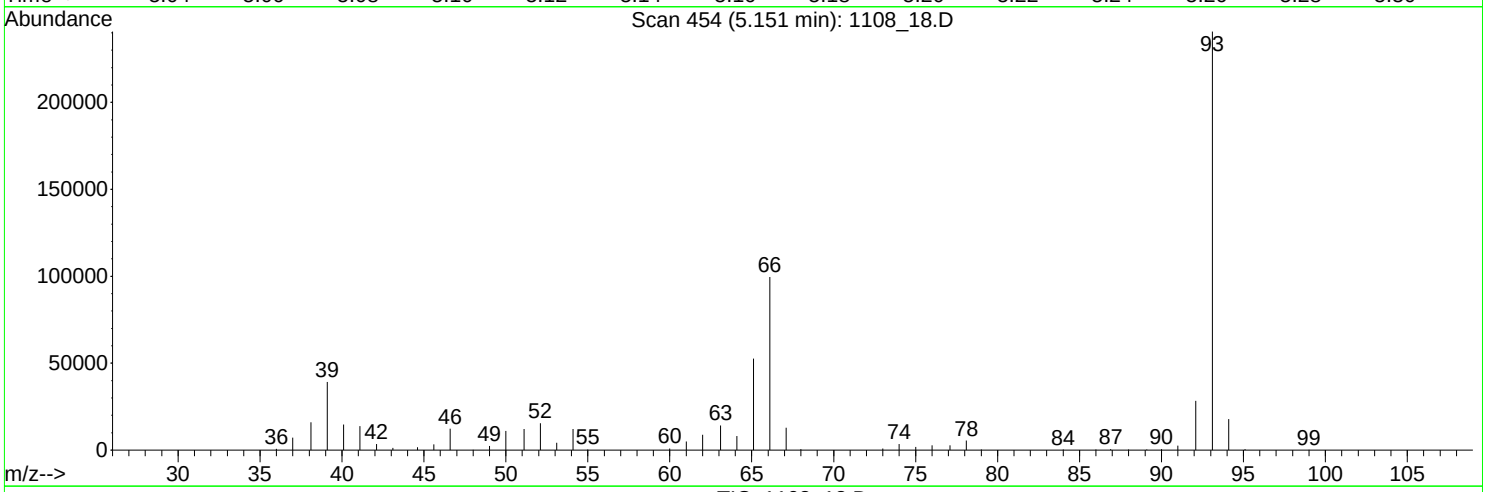
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_18.D Vial: 2
Acq On : 8 Nov 2011 6:15 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:24 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_18.D

(6) bis(2-Chloroethyl)ether (MT)

5.15min (-0.012) 25775.2889575 ppb

Qvalue = 40

response 334686

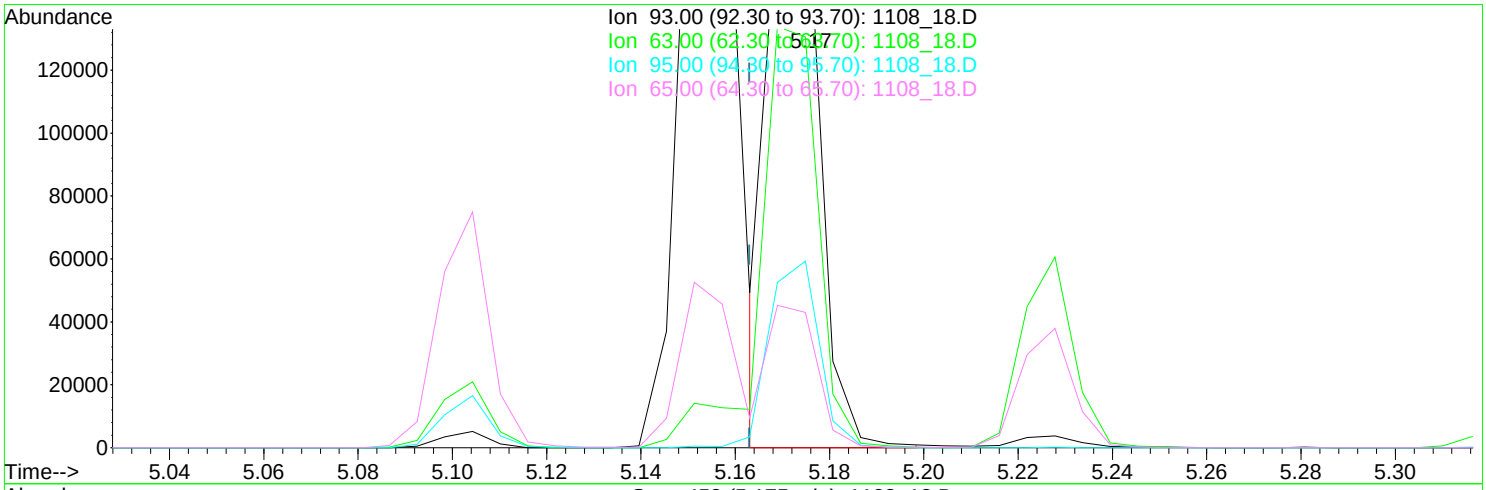
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	5.83#
95.00	31.70	0.21#
65.00	23.80	21.77

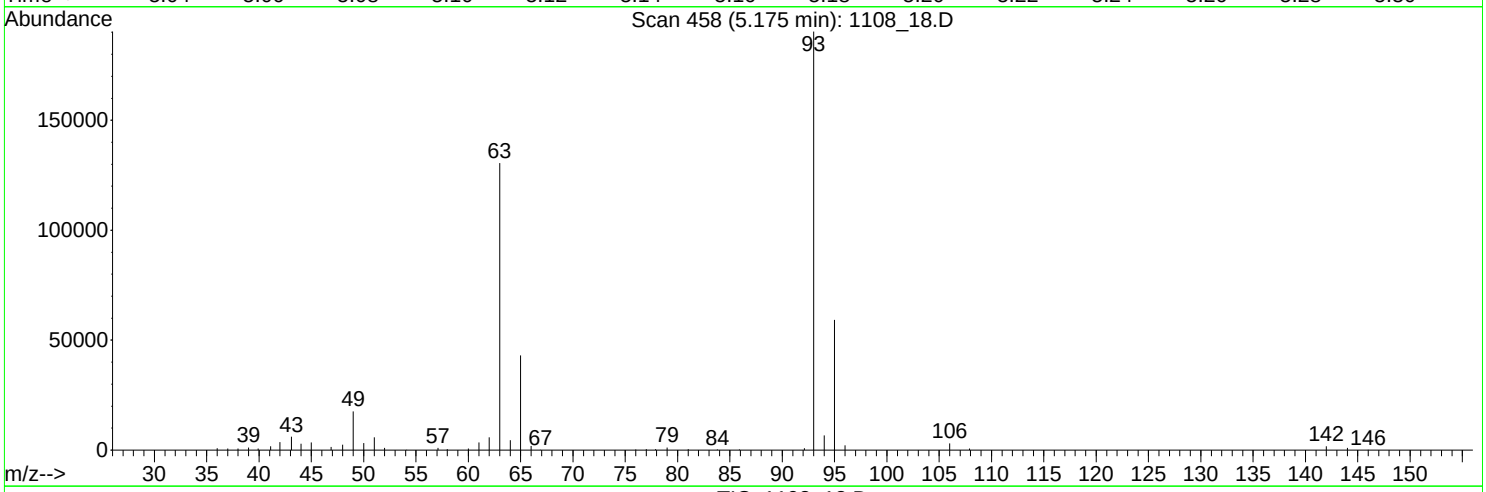
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_18.D Vial: 2
Acq On : 8 Nov 2011 6:15 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:24 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_18.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.012) 10697.2308716 ppb m

response 138901

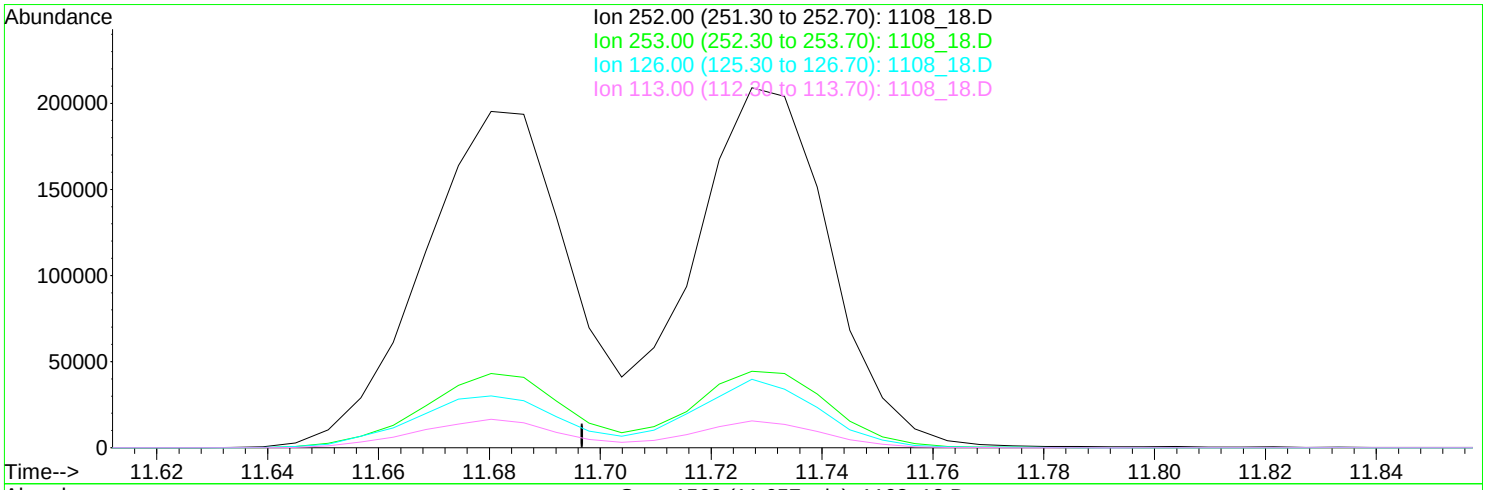
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	68.59
95.00	31.70	31.13
65.00	23.80	22.60

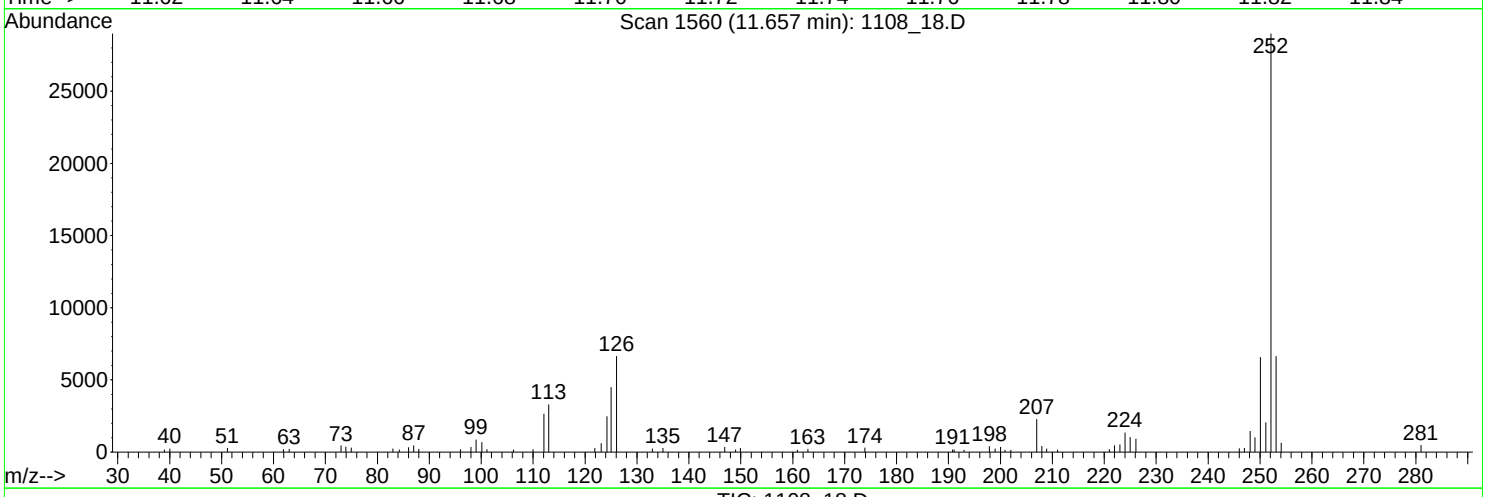
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_18.D Vial: 2
Acq On : 8 Nov 2011 6:15 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:24 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_18.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

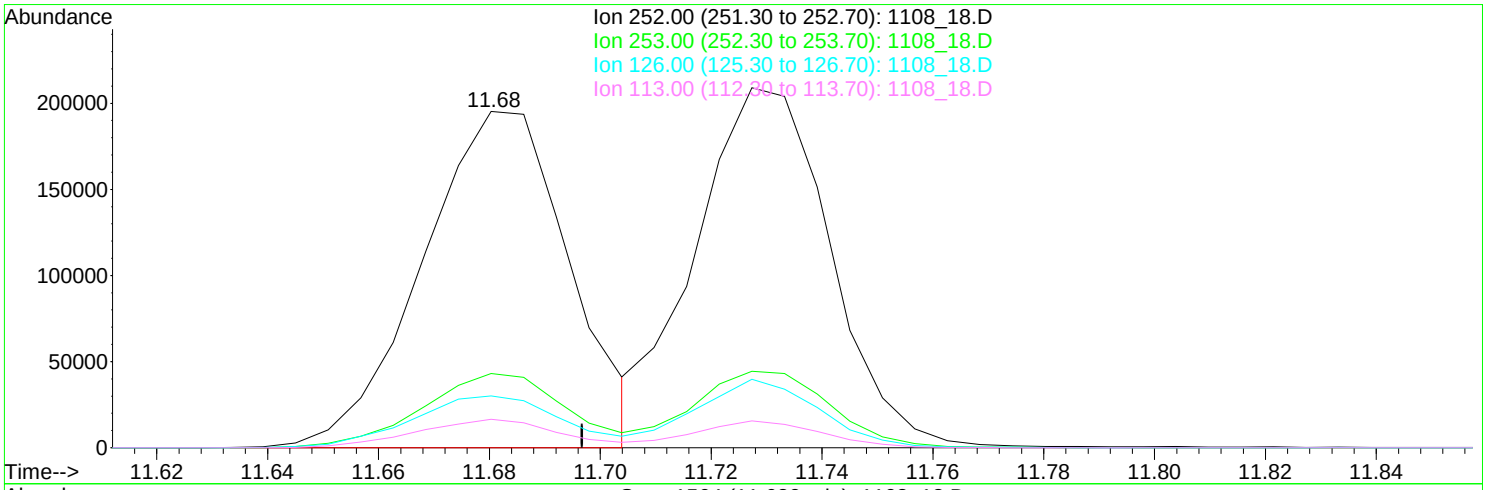
Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

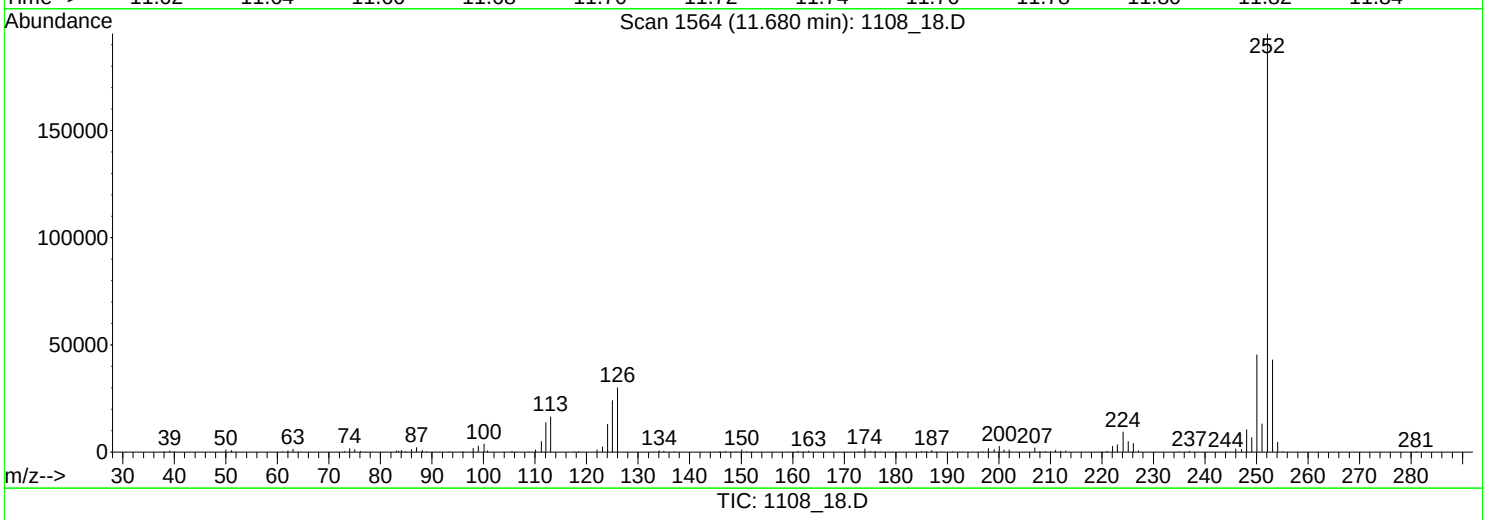
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_18.D Vial: 2
Acq On : 8 Nov 2011 6:15 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:25 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_18.D

(89) Benzo(b)fluoranthene (MT)

11.68min (+0.024) 9632.9775154 ppb m

response 358377

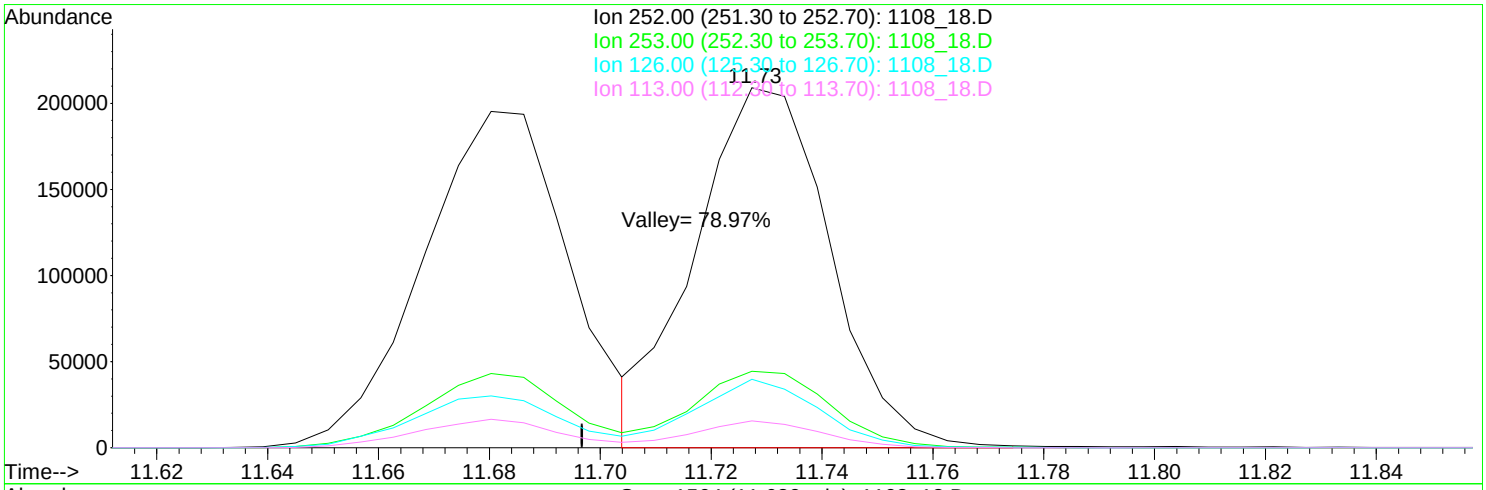
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.07
126.00	17.40	15.45
113.00	8.40	8.50

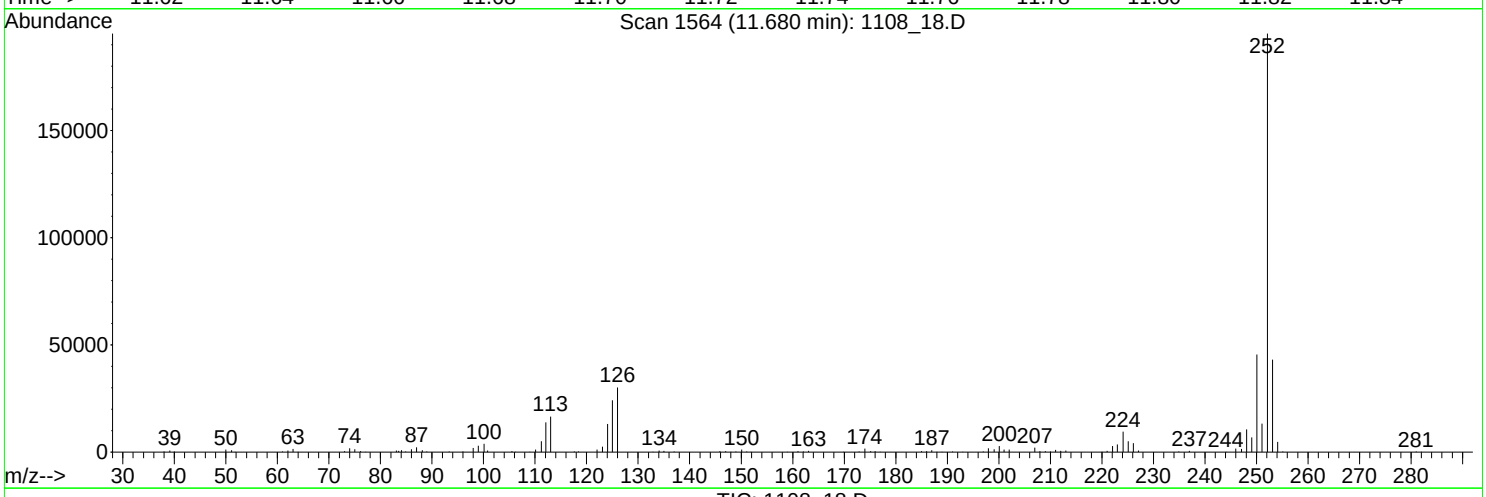
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110811\1108_18.D Vial: 2
Acq On : 8 Nov 2011 6:15 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:25 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1108_18.D

(89) Benzo(b)fluoranthene (MT)

11.68min (+0.024) 9632.9775154 ppb m

response 358377

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.07
126.00	17.40	15.45
113.00	8.40	8.50

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_18.D Vial: 2
Acq On : 8 Nov 2011 6:15 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:25 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	73503	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	292264	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	157829	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	264402	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	238238	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	243574	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	123014	10661.1467044 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 53305.73%#		
7) Phenol-d5	5.09	99	145189	10517.4615314 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 52587.31%#		
23) Nitrobenzene-d5	5.67	82	166344	10361.3749109 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 103613.75%#		
44) 2-Fluorobiphenyl	6.70	172	268628	10183.8652877 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 101838.65%#		
67) 2,4,6-Tribromophenol	7.59	330	35874	10317.0987372 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 51585.49%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 99416.12%#		

Target Compounds					Qvalue
2) Pyridine	3.64	79	137538	10592.3873233 ppb	97
3) N-Nitrosodimethylamine	3.61	42	79676	9888.6488671 ppb	96
5) Aniline	5.15	93	195399	10306.8844247 ppb	99
6) bis(2-Chloroethyl)ether	5.17	93	138901m	10697.2308716 ppb	
8) Phenol	5.10	94	174638	10732.3740119 ppb	99
9) Benzaldehyde	5.10	105	2579	262.6454651 ppb #	1
10) 2-Chlorophenol	5.23	128	135503	10530.0624546 ppb	98
11) n-Decane	5.22	41	87791	10666.0368927 ppb	100
12) 1,3-Dichlorobenzene	5.32	146	147367	10252.6045256 ppb	99
13) 1,4-Dichlorobenzene	5.36	146	148950	10336.3701935 ppb	96
14) Benzyl Alcohol	5.41	79	115940	10240.7502902 ppb	97
15) 1,2-Dichlorobenzene	5.45	146	136725	10250.6031717 ppb	93
16) bis(2-Chloroisopropyl)ethe	5.48	121	44660	10441.0692353 ppb	98
17) 2-Methylphenol	5.46	108	121362	10294.8076185 ppb	97
18) Hexachloroethane	5.66	117	59592	10030.0856528 ppb	92
19) N-Nitrosodi-n-propylamine	5.56	70	101743	10303.2335082 ppb	95
20) 3&4-Methyl phenol	5.54	107	135669	10416.1188246 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_18.D Vial: 2
Acq On : 8 Nov 2011 6:15 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:25 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21)	Acetophenone	5.54	105	1258	76.0629940 ppb	#	1
24)	Nitrobenzene	5.68	77	150133	10268.9126084 ppb		96
25)	Isophorone	5.81	82	269386	10262.8925045 ppb		95
26)	2-Nitrophenol	5.86	139	69162	10705.0957950 ppb		89
27)	2,4-Dimethylphenol	5.85	107	132059	10779.9796108 ppb		97
28)	bis(2-Chlorethoxy)methane	5.91	93	161891	10359.5825778 ppb		94
29)	2,4-Dichlorophenol	6.00	162	108454	10426.4768092 ppb		94
30)	Benzoic Acid	5.85	105	4425	3354.1825115 ppb	#	1
31)	1,2,4-Trichlorobenzene	6.05	180	121873	10261.2870837 ppb		99
32)	Naphthalene	6.11	128	399874	10142.3855367 ppb		97
33)	4-Chloroaniline	6.12	65	53002	10369.6603669 ppb		96
34)	Hexachloro-1,3-butadiene	6.16	225	67614	9695.2810819 ppb		97
35)	Caprolactam	6.37	113	3520	917.1274161 ppb	#	23
36)	4-Chloro-3-methylphenol	6.37	107	121464	10495.5210655 ppb		92
37)	2-Methylnaphthalene	6.50	142	250774	10050.9283890 ppb		99
38)	1-Methylnaphthalene	6.57	142	257719	10146.4801836 ppb		98
39)	1,2,4,5-Tetrachlorobenzene	6.60	216	554	51.2352542 ppb		97
41)	Hexachlorocyclopentadiene	6.59	237	68687	12022.4310983 ppb		92
42)	2,4,6-Trichlorophenol	6.66	196	76003	10536.6991119 ppb		90
43)	2,4,5-Trichlorophenol	6.66	196	56751	7500.5582259 ppb		92
45)	Biphenyl	6.77	154	306046	10351.3850803 ppb		99
46)	2-Chloronaphthalene	6.80	162	236166	10217.6104164 ppb		95
47)	2-Nitroaniline	6.84	138	77899	10361.3033171 ppb		97
48)	Acenaphthylene	7.05	152	375594	10425.5276611 ppb		100
49)	Dimethyl phthalate	6.92	163	269248	9948.3958175 ppb		91
50)	2,6-Dinitrotoluene	6.97	165	64715	10859.0818000 ppb	#	77
51)	3-Nitroaniline	7.07	138	62309	10537.2401709 ppb		91
52)	Acenaphthene	7.15	153	235365	10109.9252030 ppb		99
53)	2,4-Dinitrophenol	7.13	184	25348	12115.1992302 ppb	#	86
54)	Dibenzofuran	7.24	168	327385	10149.7633274 ppb		100
55)	2,4-Dinitrotoluene	7.20	165	82074	10712.1189384 ppb		89
56)	2,3,4,6-Tetrachlorophenol	7.30	232	65187	13131.6134442 ppb		91
57)	4-Nitrophenol	7.14	139	50179	10883.4478863 ppb		87
58)	Fluorene	7.45	166	282421	10545.6538329 ppb		100
59)	4-Chlorophenyl-phenylether	7.42	204	120197	9839.5379083 ppb	#	82
60)	Diethyl phthalate	7.32	149	287988	10424.6863267 ppb		99
62)	Azobenzene	7.52	77	305372	10260.7755631 ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_18.D Vial: 2
Acq On : 8 Nov 2011 6:15 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:25 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

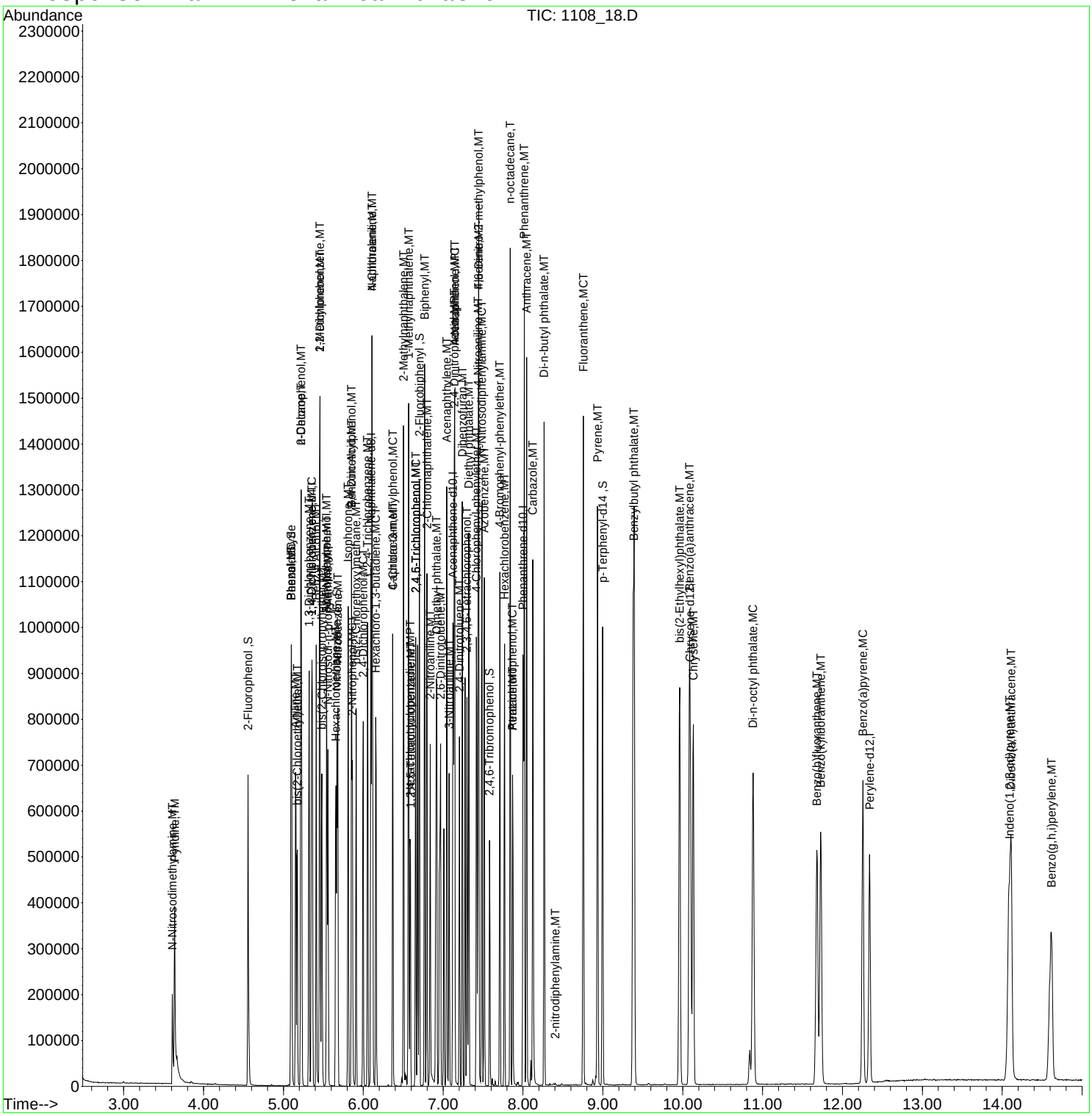
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	7.87	200	9981	1341.1510174 ppb	#	33
65)	4,6-Dinitro-2-methylphenol	7.45	198	40747	10432.4150520 ppb		79
66)	N-Nitrosodiphenylamine	7.49	169	226628	9896.7395529 ppb		99
68)	4-Bromophenyl-phenylether	7.71	248	73327	9704.3925472 ppb		92
69)	Hexachlorobenzene	7.77	284	78911	9467.1931984 ppb		99
70)	n-octadecane	7.84	55	53194	10151.7600599 ppb		97
71)	Pentachlorophenol	7.87	266	50587	9435.8781226 ppb		91
72)	Phenanthrene	8.02	178	384828	9734.7501388 ppb		98
73)	Anthracene	8.05	178	396656	10474.0950629 ppb		99
74)	Carbazole	8.12	167	355594	9955.0229017 ppb		100
75)	Di-n-butyl phthalate	8.26	149	493455	9822.1713920 ppb		99
76)	2-nitrodiphenylamine	8.40	167	56	5.4892990 ppb	#	1
77)	Fluoranthene	8.76	202	425440	10023.2953076 ppb		99
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.93	202	428828	10073.4066230 ppb		100
82)	Benzylbutyl phthalate	9.38	149	212073	10030.5567620 ppb		99
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	10.09	228	362444	9742.2440632 ppb		99
85)	Chrysene	10.13	228	342424	9771.5572448 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.96	149	305345	9889.5181315 ppb		99
87)	Di-n-octyl phthalate	10.88	149	520970	9994.3011874 ppb		100
89)	Benzo(b)fluoranthene	11.68	252	358377m	9632.9775154 ppb		
90)	Benzo(k)fluoranthene	11.73	252	355096	10063.2067047 ppb		97
91)	Benzo(a)pyrene	12.26	252	349128	9887.9730462 ppb		98
92)	Indeno(1,2,3-cd)pyrene	14.09	276	401122	10518.2988291 ppb		97
94)	Benzo(g,h,i)perylene	14.62	276	339452	10664.9510405 ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_18.D Vial: 2
Acq On : 8 Nov 2011 6:15 pm Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:25 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_19.D Vial: 3
Acq On : 8 Nov 2011 6:35 pm Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:03 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	75372	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	293714	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	162071	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	258081	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	239536	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	246492	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	5.35	99	1336	94.3797238 ppb	0.26
Spiked Amount 20.000	Range 10 - 63		Recovery = 471.90%#		
23) Nitrobenzene-d5	5.73	82	2353	145.8420804 ppb	0.08
Spiked Amount 10.000	Range 17 - 119		Recovery = 1458.42%#		
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.	
8) Phenol	5.10	94	210	12.5855260 ppb #	1
9) Benzaldehyde	5.10	105	104609	10389.2127680 ppb	98
10) 2-Chlorophenol	0.00	128	0	N.D.	
11) n-Decane	5.35	41	258	30.5680558 ppb #	1
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	5.53	79	551	47.4618983 ppb #	19
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	5.57	121	4019	916.3033801 ppb #	1
17) 2-Methylphenol	5.35	108	436	36.0675818 ppb #	1
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	
20) 3&4-Methyl phenol	5.53	107	456	34.1417022 ppb #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_19.D Vial: 3
Acq On : 8 Nov 2011 6:35 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:03 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21) Acetophenone	5.57	105	167509	9877.0203012 ppb		99
24) Nitrobenzene	5.57	77	141057	9600.4947412 ppb	#	63
25) Isophorone	5.73	82	2353	89.2005150 ppb		63
26) 2-Nitrophenol	0.00	139	0	N.D.		
27) 2,4-Dimethylphenol	6.10	107	2132	173.1760428 ppb	#	31
28) bis(2-Chlorethoxy)methane	5.90	93	250	15.9187967 ppb	#	1
29) 2,4-Dichlorophenol	0.00	162	0	N.D.		
30) Benzoic Acid	5.89	105	60176	11572.3786846 ppb		86
31) 1,2,4-Trichlorobenzene	6.05	180	347	29.0719717 ppb		92
32) Naphthalene	0.00	128	0	N.D.		
33) 4-Chloroaniline	6.09	65	827	161.0009580 ppb	#	1
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.		
35) Caprolactam	6.32	113	39190	10160.4502151 ppb		98
36) 4-Chloro-3-methylphenol	6.60	107	8187	703.9339188 ppb	#	23
37) 2-Methylnaphthalene	6.60	142	862	34.3780796 ppb	#	39
38) 1-Methylnaphthalene	6.60	142	862	33.7696777 ppb	#	37
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	103643	9537.8344846 ppb		98
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D.		
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D.		
45) Biphenyl	0.00	154	0	N.D.		
46) 2-Chloronaphthalene	0.00	162	0	N.D.		
47) 2-Nitroaniline	0.00	138	0	N.D.		
48) Acenaphthylene	0.00	152	0	N.D.		
49) Dimethyl phthalate	0.00	163	0	N.D.		
50) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
51) 3-Nitroaniline	0.00	138	0	N.D.		
52) Acenaphthene	0.00	153	0	N.D.		
53) 2,4-Dinitrophenol	0.00	184	0	N.D.		
54) Dibenzofuran	7.30	168	16480	497.5489782 ppb	#	44
55) 2,4-Dinitrotoluene	7.30	165	470	59.7377880 ppb	#	1
56) 2,3,4,6-Tetrachlorophenol	7.30	232	52633	10325.1581671 ppb		93
57) 4-Nitrophenol	0.00	139	0	N.D.		
58) Fluorene	0.00	166	0	N.D.		
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
60) Diethyl phthalate	0.00	149	0	N.D.		
61) 4-Nitroaniline	0.00	138	0	N.D.		
62) Azobenzene	0.00	77	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_19.D Vial: 3
Acq On : 8 Nov 2011 6:35 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:03 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	Atrazine	7.77	200	77000	10075.7143371	ppb		99
65)	4,6-Dinitro-2-methylphenol	7.30	198	2912	763.8169498	ppb	#	37
66)	N-Nitrosodiphenylamine	7.30	169	5016	224.4113437	ppb	#	1
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.			
69)	Hexachlorobenzene	0.00	284	0	N.D.			
70)	n-octadecane	7.76	55	8379	1638.2477837	ppb	#	61
71)	Pentachlorophenol	7.87	266	4034	948.9807212	ppb	#	82
72)	Phenanthrene	8.00	178	84	2.1769384	ppb	#	1
73)	Anthracene	8.00	178	84	2.2724298	ppb	#	1
74)	Carbazole	0.00	167	0	N.D.			
75)	Di-n-butyl phthalate	8.26	149	84	1.7129628	ppb		78
76)	2-nitrodiphenylamine	8.40	167	94442	9484.2444547	ppb		99
77)	Fluoranthene	0.00	202	0	N.D.			
79)	Benzidine	8.81	184	220944	9722.8892135	ppb		99
80)	Pyrene	0.00	202	0	N.D.			
82)	Benzylbutyl phthalate	0.00	149	0	N.D.			
83)	3,3-Dichlorobenzidine	10.00	252	111986	9216.4969005	ppb		98
84)	Benzo(a)anthracene	10.09	228	562	15.0243139	ppb	#	1
85)	Chrysene	10.09	228	562	15.9505676	ppb	#	41
86)	bis(2-Ethylhexyl)phthalate	9.96	149	132	4.2520513	ppb	#	37
87)	Di-n-octyl phthalate	0.00	149	0	N.D.			
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.			
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.			
91)	Benzo(a)pyrene	12.34	252	775	21.6896426	ppb	#	1
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.			
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.			
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.			

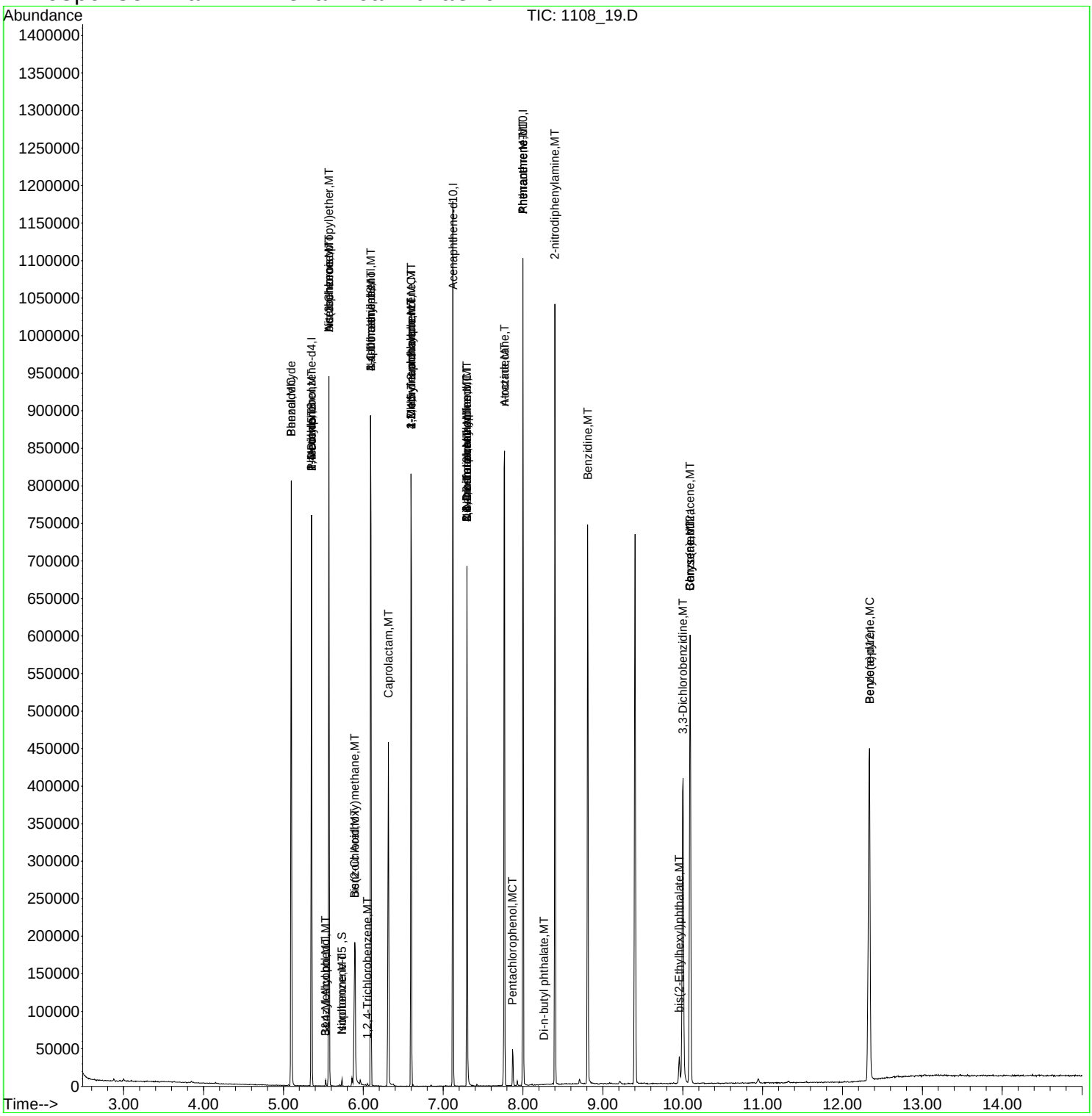
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_19.D Vial: 3
Acq On : 8 Nov 2011 6:35 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:03 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_21.D Vial: 43
Acq On : 8 Nov 2011 8:40 pm Operator: 377
Sample : L544884-02 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:34 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	68270	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	266940	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	143301	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	225239	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	201646	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	206932	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	71533	6.6746882 ppb	0.02
Spiked Amount 20.000	Range 10 - 75		Recovery = 33.37%		
7) Phenol-d5	5.09	99	64469	5.0280931 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 25.14%		
23) Nitrobenzene-d5	5.66	82	107778	7.3502487 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 73.50%		
44) 2-Fluorobiphenyl	6.70	172	203823	8.5104425 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 85.10%		
67) 2,4,6-Tribromophenol	7.58	330	46179	15.5899044 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 77.95%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 94.55%		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	3.59	42	77	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	5.40	93	243	N.D.	
8) Phenol	5.10	94	57	N.D.	
9) Benzaldehyde	5.24	105	299	N.D.	
10) 2-Chlorophenol	5.22	128	2375	0.1987105 ppb #	41
11) n-Decane	5.22	41	44372	5.8041316 ppb #	65
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	5.40	79	153	N.D.	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D.	
17) 2-Methylphenol	5.35	108	454	N.D.	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	5.34	70	2927	0.3191295 ppb #	61
20) 3&4-Methyl phenol	5.40	107	122	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_21.D Vial: 43
Acq On : 8 Nov 2011 8:40 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:34 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21)	Acetophenone	5.34	105	9736	0.6337946	ppb	#	54
24)	Nitrobenzene	5.66	77	331	N.D.			
25)	Isophorone	0.00	82	0	N.D.			
26)	2-Nitrophenol	0.00	139	0	N.D.			
27)	2,4-Dimethylphenol	6.09	107	2082	0.1860768	ppb	#	19
28)	bis(2-Chlorethoxy)methane	6.10	93	142	N.D.			
29)	2,4-Dichlorophenol	5.70	162	100	N.D.			
30)	Benzoic Acid	5.85	105	218	2.6969491	ppb		84
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.			
32)	Naphthalene	6.10	128	322	N.D.			
33)	4-Chloroaniline	6.09	65	809	0.1732936	ppb	#	1
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.			
35)	Caprolactam	5.99	113	132	N.D.			
36)	4-Chloro-3-methylphenol	6.15	107	160	N.D.			
37)	2-Methylnaphthalene	6.50	142	56	N.D.			
38)	1-Methylnaphthalene	6.70	142	97	N.D.			
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.			
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.			
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.			
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.			
45)	Biphenyl	6.77	154	270	N.D.			
46)	2-Chloronaphthalene	6.75	162	122	N.D.			
47)	2-Nitroaniline	6.70	138	123	N.D.			
48)	Acenaphthylene	0.00	152	0	N.D.			
49)	Dimethyl phthalate	6.98	163	109	N.D.			
50)	2,6-Dinitrotoluene	6.93	165	310	N.D.			
51)	3-Nitroaniline	0.00	138	0	N.D.			
52)	Acenaphthene	0.00	153	0	N.D.			
53)	2,4-Dinitrophenol	0.00	184	0	N.D.			
54)	Dibenzofuran	0.00	168	0	N.D.			
55)	2,4-Dinitrotoluene	0.00	165	0	N.D.			
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.			
57)	4-Nitrophenol	0.00	139	0	N.D.			
58)	Fluorene	7.58	166	2640	N.D.			
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.			
60)	Diethyl phthalate	7.32	149	555	N.D.			
61)	4-Nitroaniline	0.00	138	0	N.D.			
62)	Azobenzene	7.52	77	156	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_21.D Vial: 43
Acq On : 8 Nov 2011 8:40 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:34 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	0.00	200	0	N.D.		
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.		
66)	N-Nitrosodiphenylamine	7.58	169	1933	N.D.		
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.		
69)	Hexachlorobenzene	0.00	284	0	N.D.		
70)	n-octadecane	7.84	55	964	0.2159618 ppb	#	39
71)	Pentachlorophenol	7.84	266	68	0.2085264 ppb	#	23
72)	Phenanthrene	8.00	178	157	N.D.		
73)	Anthracene	8.00	178	157	N.D.		
74)	Carbazole	8.22	167	57	N.D.		
75)	Di-n-butyl phthalate	8.26	149	24480	0.5719954 ppb		100
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.79	202	66	N.D.		
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	9.00	202	674	N.D.		
82)	Benzylbutyl phthalate	9.37	149	227	N.D.		
83)	3,3-Dichlorobenzidine	10.19	252	985	N.D.		
84)	Benzo(a)anthracene	10.10	228	541	N.D.		
85)	Chrysene	10.10	228	541	N.D.		
86)	bis(2-Ethylhexyl)phthalate	9.96	149	8561	0.3275897 ppb		96
87)	Di-n-octyl phthalate	10.88	149	135	N.D.		
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.		
90)	Benzo(k)fluoranthene	11.79	252	1211	N.D.		
91)	Benzo(a)pyrene	12.34	252	774	N.D.		
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.		

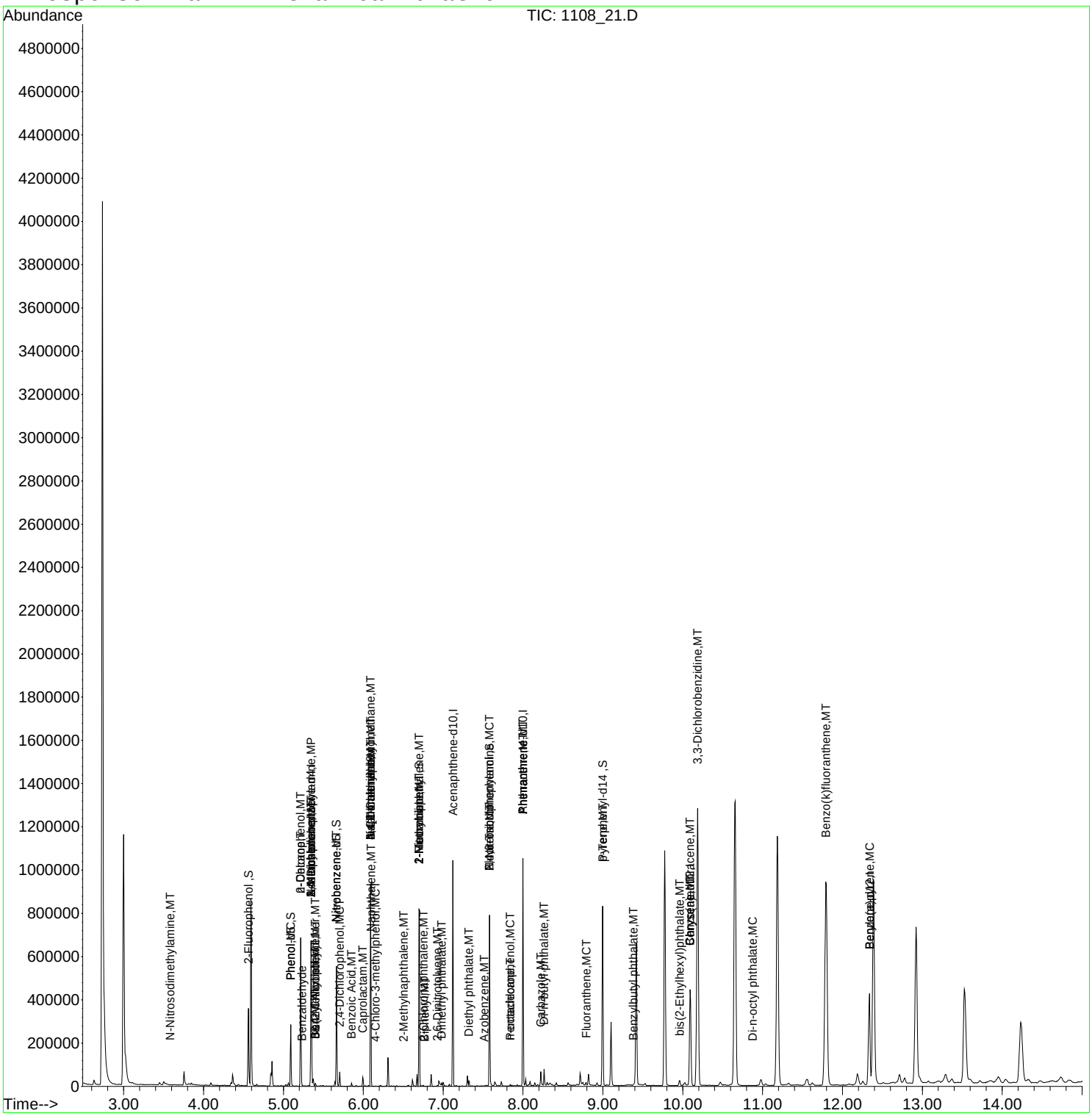
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_21.D Vial: 43
Acq On : 8 Nov 2011 8:40 pm Operator: 377
Sample : L544884-02 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 8:34 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_22.D Vial: 44
Acq On : 8 Nov 2011 8:59 pm Operator: 377
Sample : L544884-03 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:23 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	68698	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	262283	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	151134	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	228819	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	208972	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	213893	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	44554	4.1313982 ppb	0.02
Spiked Amount 20.000	Range 10 - 75		Recovery = 20.66%		
7) Phenol-d5	5.09	99	33642	2.6074741 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 13.04%		
23) Nitrobenzene-d5	5.66	82	102282	7.0992855 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 70.99%		
44) 2-Fluorobiphenyl	6.70	172	189797	7.5140718 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 75.14%		
67) 2,4,6-Tribromophenol	7.58	330	47841	15.8982999 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 79.49%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 94.82%		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	3.57	42	125	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	5.40	93	57	N.D.	
8) Phenol	0.00	94	0	N.D.	
9) Benzaldehyde	5.10	105	130	N.D.	
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	5.22	41	113021	14.6917389 ppb #	63
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D.	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	5.64	121	143	N.D.	
17) 2-Methylphenol	5.35	108	361	N.D.	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	5.47	70	55	N.D.	
20) 3&4-Methyl phenol	0.00	107	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_22.D Vial: 44
Acq On : 8 Nov 2011 8:59 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:23 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) Acetophenone	5.57	105	65	N.D.	
24) Nitrobenzene	5.66	77	309	N.D.	
25) Isophorone	5.85	82	995	N.D.	
26) 2-Nitrophenol	0.00	139	0	N.D.	
27) 2,4-Dimethylphenol	0.00	107	0	N.D. d	
28) bis(2-Chlorethoxy)methane	6.10	93	143	N.D.	
29) 2,4-Dichlorophenol	0.00	162	0	N.D.	
30) Benzoic Acid	5.86	105	269	2.7065782 ppb	96
31) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32) Naphthalene	6.11	128	261	N.D.	
33) 4-Chloroaniline	6.10	65	725	0.1580576 ppb #	1
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35) Caprolactam	5.85	113	3690	1.0713184 ppb #	17
36) 4-Chloro-3-methylphenol	6.50	107	236	N.D.	
37) 2-Methylnaphthalene	6.50	142	86	N.D.	
38) 1-Methylnaphthalene	6.57	142	88	N.D.	
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45) Biphenyl	6.77	154	309	N.D.	
46) 2-Chloronaphthalene	6.76	162	160	N.D.	
47) 2-Nitroaniline	6.70	138	138	N.D.	
48) Acenaphthylene	0.00	152	0	N.D.	
49) Dimethyl phthalate	7.00	163	588	N.D.	
50) 2,6-Dinitrotoluene	6.93	165	267	N.D.	
51) 3-Nitroaniline	0.00	138	0	N.D.	
52) Acenaphthene	0.00	153	0	N.D.	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	7.24	168	96	N.D.	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57) 4-Nitrophenol	0.00	139	0	N.D.	
58) Fluorene	7.58	166	2597	N.D.	
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60) Diethyl phthalate	7.32	149	647	N.D.	
61) 4-Nitroaniline	0.00	138	0	N.D.	
62) Azobenzene	7.52	77	339	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_22.D Vial: 44
Acq On : 8 Nov 2011 8:59 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:23 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	0.00	200	0	N.D.		
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.		
66)	N-Nitrosodiphenylamine	7.58	169	2027	N.D.		
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.		
69)	Hexachlorobenzene	0.00	284	0	N.D.		
70)	n-octadecane	7.65	55	7438	1.6402405 ppb	#	42
71)	Pentachlorophenol	0.00	266	0	N.D.		
72)	Phenanthrene	8.02	178	253	N.D.		
73)	Anthracene	8.05	178	136	N.D.		
74)	Carbazole	8.03	167	61	N.D.		
75)	Di-n-butyl phthalate	8.26	149	17555	0.4037694 ppb		98
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.76	202	62	N.D.		
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.93	202	137	N.D.		
82)	Benzylbutyl phthalate	9.37	149	137	N.D.		
83)	3,3-Dichlorobenzidine	10.19	252	53	N.D.		
84)	Benzo(a)anthracene	10.10	228	580	N.D.		
85)	Chrysene	10.10	228	580	N.D.		
86)	bis(2-Ethylhexyl)phthalate	9.96	149	8561	0.3161053 ppb		93
87)	Di-n-octyl phthalate	10.88	149	312	N.D.		
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.		
90)	Benzo(k)fluoranthene	11.79	252	59	N.D.		
91)	Benzo(a)pyrene	12.33	252	755	N.D.		
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.		

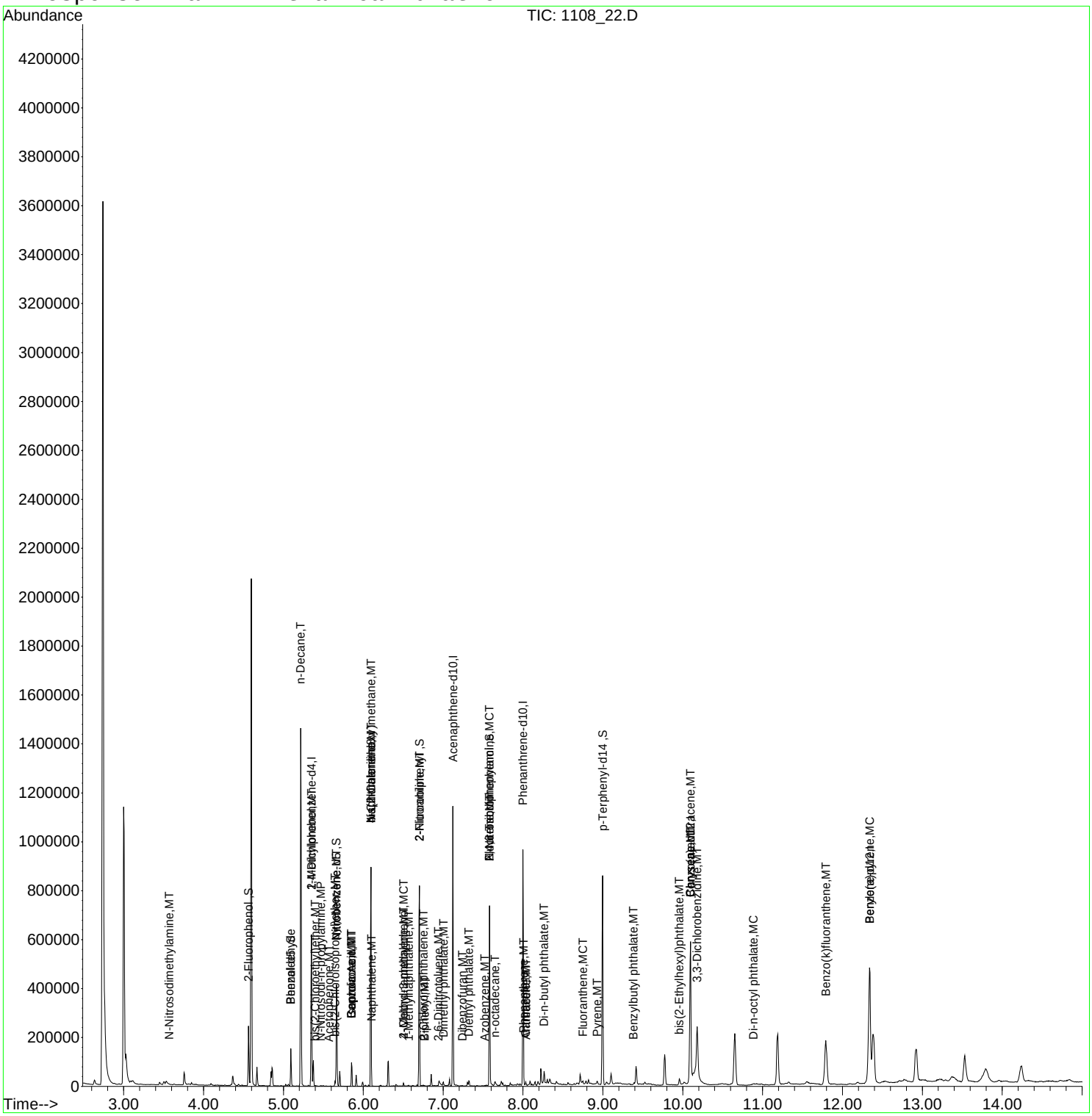
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_22.D Vial: 44
Acq On : 8 Nov 2011 8:59 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_23.D Vial: 45
Acq On : 8 Nov 2011 9:20 pm Operator: 377
Sample : L544884-04 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:23 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	70851	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	284035	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	155132	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	244011	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	220079	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	228412	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	56100	5.0439564 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 25.22%		
7) Phenol-d5	5.09	99	44072	3.3120666 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 16.56%		
23) Nitrobenzene-d5	5.66	82	114233	7.3215881 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 73.22%		
44) 2-Fluorobiphenyl	6.70	172	217606	8.3930082 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 83.93%		
67) 2,4,6-Tribromophenol	7.58	330	53969	16.8181215 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 84.09%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 95.96%		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	3.57	42	260	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	5.40	93	62	N.D.	
8) Phenol	0.00	94	0	N.D.	
9) Benzaldehyde	5.10	105	203	N.D.	
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	5.22	41	79192	9.9814464 ppb #	64
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D.	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	5.64	121	91	N.D.	
17) 2-Methylphenol	5.35	108	302	N.D.	
18) Hexachloroethane	5.70	117	55	N.D.	
19) N-Nitrosodi-n-propylamine	5.37	70	232	N.D.	
20) 3&4-Methyl phenol	0.00	107	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_23.D Vial: 45
Acq On : 8 Nov 2011 9:20 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:23 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) Acetophenone	5.57	105	84	N.D.	
24) Nitrobenzene	5.66	77	385	N.D.	
25) Isophorone	0.00	82	0	N.D.	
26) 2-Nitrophenol	0.00	139	0	N.D.	
27) 2,4-Dimethylphenol	0.00	107	0	N.D. d	
28) bis(2-Chlorethoxy)methane	6.09	93	133	N.D.	
29) 2,4-Dichlorophenol	5.70	162	388	N.D.	
30) Benzoic Acid	5.86	105	187	2.6896535 ppb	88
31) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32) Naphthalene	6.11	128	298	N.D.	
33) 4-Chloroaniline	6.09	65	766	0.1542071 ppb #	1
34) Hexachloro-1,3-butadiene	6.32	225	151	N.D.	
35) Caprolactam	5.99	113	300	N.D.	
36) 4-Chloro-3-methylphenol	6.15	107	113	N.D.	
37) 2-Methylnaphthalene	6.50	142	144	N.D.	
38) 1-Methylnaphthalene	6.56	142	64	N.D.	
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45) Biphenyl	6.77	154	328	N.D.	
46) 2-Chloronaphthalene	6.75	162	106	N.D.	
47) 2-Nitroaniline	6.70	138	136	N.D.	
48) Acenaphthylene	0.00	152	0	N.D.	
49) Dimethyl phthalate	7.00	163	411	N.D.	
50) 2,6-Dinitrotoluene	6.93	165	333	N.D.	
51) 3-Nitroaniline	0.00	138	0	N.D.	
52) Acenaphthene	7.24	153	80	N.D.	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	7.24	168	64	N.D.	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57) 4-Nitrophenol	0.00	139	0	N.D.	
58) Fluorene	7.58	166	2999	N.D.	
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60) Diethyl phthalate	7.32	149	740	N.D.	
61) 4-Nitroaniline	0.00	138	0	N.D.	
62) Azobenzene	7.52	77	369	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_23.D Vial: 45
Acq On : 8 Nov 2011 9:20 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:23 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

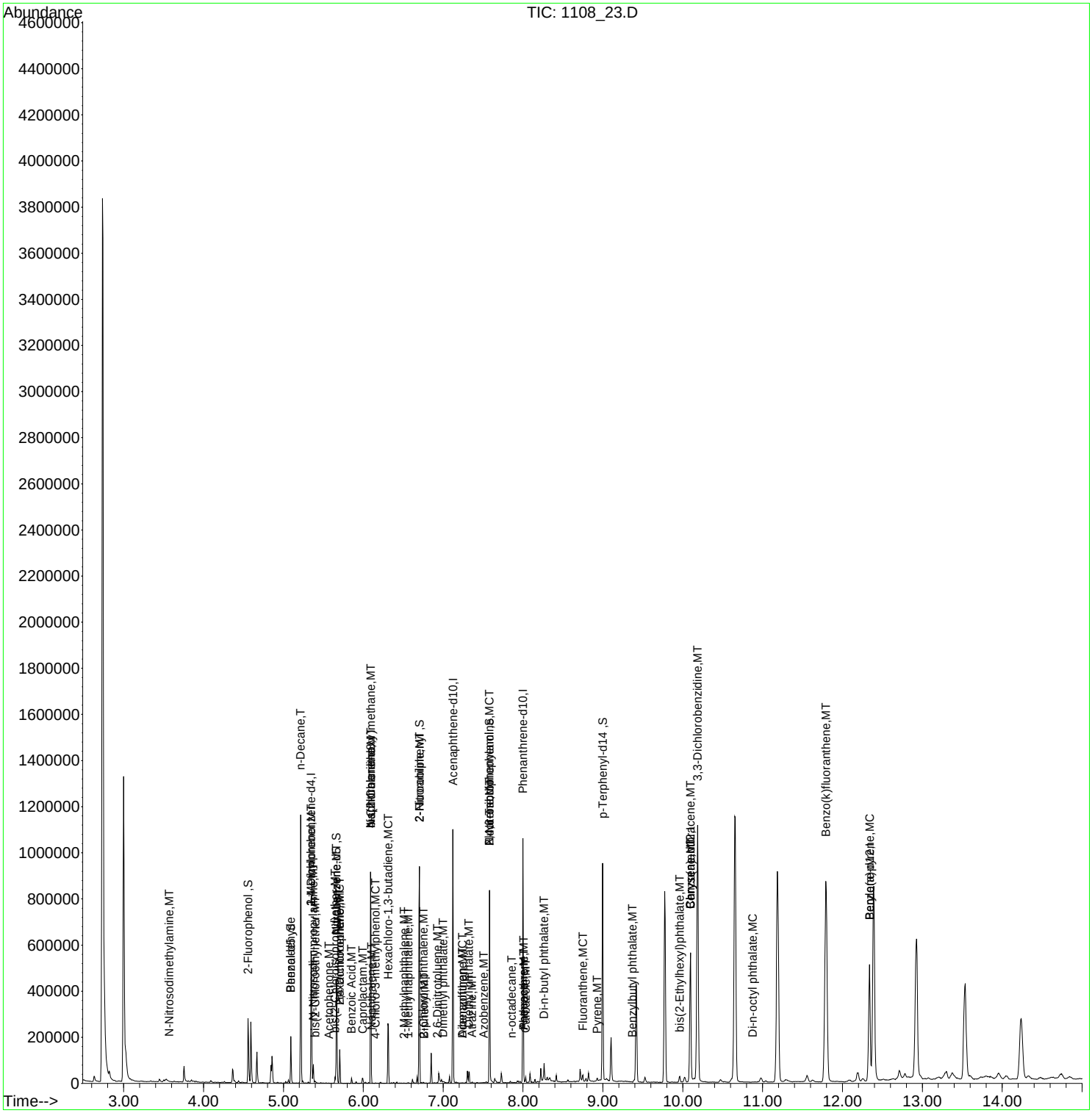
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	7.37	200	78	N.D.		
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.		
66)	N-Nitrosodiphenylamine	7.58	169	2075	N.D.		
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.		
69)	Hexachlorobenzene	0.00	284	0	N.D.		
70)	n-octadecane	7.86	55	777	0.1606775 ppb	#	66
71)	Pentachlorophenol	0.00	266	0	N.D.		
72)	Phenanthrene	8.02	178	326	N.D.		
73)	Anthracene	8.02	178	326	N.D.		
74)	Carbazole	8.03	167	107	N.D.		
75)	Di-n-butyl phthalate	8.26	149	23990	0.5174228 ppb		97
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.76	202	56	N.D.		
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.93	202	74	N.D.		
82)	Benzylbutyl phthalate	9.37	149	73	N.D.		
83)	3,3-Dichlorobenzidine	10.19	252	868	N.D.		
84)	Benzo(a)anthracene	10.09	228	585	N.D.		
85)	Chrysene	10.09	228	585	N.D.		
86)	bis(2-Ethylhexyl)phthalate	9.96	149	8216	0.2880562 ppb		97
87)	Di-n-octyl phthalate	10.87	149	253	N.D.		
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.		
90)	Benzo(k)fluoranthene	11.79	252	1080	N.D.		
91)	Benzo(a)pyrene	12.34	252	830	N.D.		
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_23.D Vial: 45
Acq On : 8 Nov 2011 9:20 pm Operator: 377
Sample : L544884-04 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:23 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_24.D Vial: 46
Acq On : 8 Nov 2011 9:40 pm Operator: 377
Sample : L544884-05 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:24 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	72479	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	279019	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	152050	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	237982	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	218431	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	223155	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	48876	4.2957392 ppb	0.02
Spiked Amount 20.000	Range 10 - 75		Recovery = 21.48%		
7) Phenol-d5	5.09	99	37697	2.7693438 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 13.85%		
23) Nitrobenzene-d5	5.67	82	112820	7.3610182 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 73.61%		
44) 2-Fluorobiphenyl	6.70	172	218118	8.5832795 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 85.83%		
67) 2,4,6-Tribromophenol	7.59	330	57405	18.3420609 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 91.71%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 95.30%		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	3.59	42	256	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.	
8) Phenol	5.10	94	64	N.D.	
9) Benzaldehyde	5.09	105	501	N.D.	
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	5.22	41	115067	14.1774051 ppb	# 63
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D.	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	5.64	121	184	N.D.	
17) 2-Methylphenol	5.35	108	411	N.D.	
18) Hexachloroethane	5.70	117	64	N.D.	
19) N-Nitrosodi-n-propylamine	5.49	70	61	N.D.	
20) 3&4-Methyl phenol	5.46	107	94	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_24.D Vial: 46
Acq On : 8 Nov 2011 9:40 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:24 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) Acetophenone	5.57	105	269	N.D.	
24) Nitrobenzene	5.67	77	313	N.D.	
25) Isophorone	5.85	82	496	N.D.	
26) 2-Nitrophenol	0.00	139	0	N.D.	
27) 2,4-Dimethylphenol	0.00	107	0	N.D. d	
28) bis(2-Chlorethoxy)methane	6.09	93	151	N.D.	
29) 2,4-Dichlorophenol	5.70	162	574	N.D.	
30) Benzoic Acid	5.86	105	309	2.7103494 ppb #	60
31) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32) Naphthalene	6.11	128	436	N.D.	
33) 4-Chloroaniline	6.09	65	769	0.1575942 ppb #	1
34) Hexachloro-1,3-butadiene	6.31	225	166	N.D.	
35) Caprolactam	6.31	113	91	N.D.	
36) 4-Chloro-3-methylphenol	6.16	107	139	N.D.	
37) 2-Methylnaphthalene	6.50	142	54	N.D.	
38) 1-Methylnaphthalene	6.70	142	111	N.D.	
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45) Biphenyl	6.77	154	351	N.D.	
46) 2-Chloronaphthalene	6.75	162	150	N.D.	
47) 2-Nitroaniline	6.70	138	115	N.D.	
48) Acenaphthylene	0.00	152	0	N.D.	
49) Dimethyl phthalate	6.98	163	222	N.D.	
50) 2,6-Dinitrotoluene	6.93	165	443	N.D.	
51) 3-Nitroaniline	0.00	138	0	N.D.	
52) Acenaphthene	7.24	153	2032	N.D.	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	0.00	168	0	N.D.	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57) 4-Nitrophenol	0.00	139	0	N.D.	
58) Fluorene	7.58	166	3127	N.D.	
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60) Diethyl phthalate	7.32	149	1137	N.D.	
61) 4-Nitroaniline	7.59	138	55	N.D.	
62) Azobenzene	7.52	77	888	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_24.D Vial: 46
Acq On : 8 Nov 2011 9:40 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:24 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

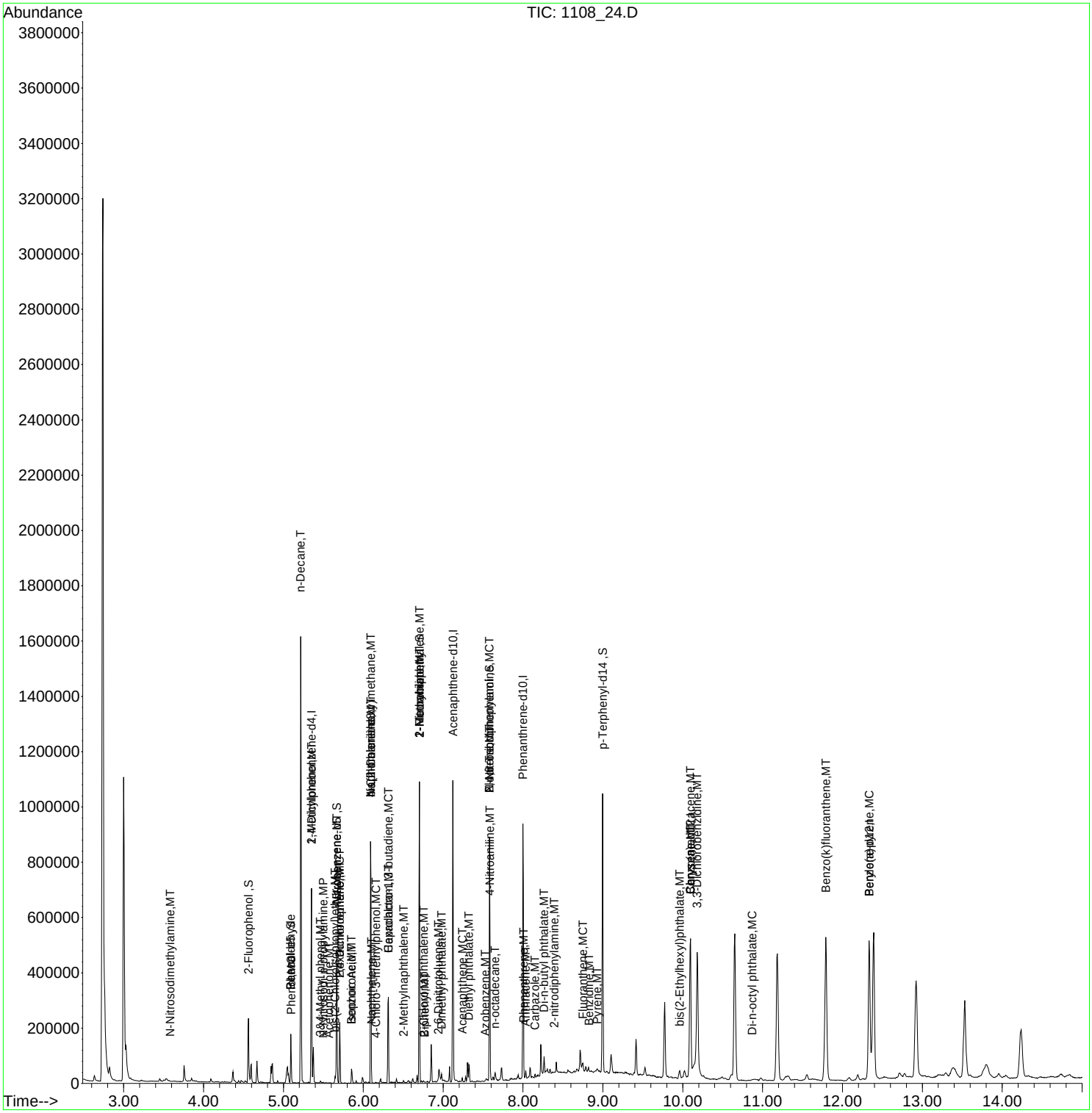
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63) Atrazine	0.00	200	0	N.D.	
65) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66) N-Nitrosodiphenylamine	7.58	169	2358	N.D.	
68) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69) Hexachlorobenzene	0.00	284	0	N.D.	
70) n-octadecane	7.65	55	5740	1.2170578 ppb #	63
71) Pentachlorophenol	0.00	266	0	N.D.	
72) Phenanthrene	8.02	178	519	N.D.	
73) Anthracene	8.03	178	66	N.D.	
74) Carbazole	8.15	167	62	N.D.	
75) Di-n-butyl phthalate	8.26	149	17267	0.3818541 ppb	98
76) 2-nitrodiphenylamine	8.40	167	62	N.D.	
77) Fluoranthene	8.76	202	76	N.D.	
79) Benzidine	8.83	184	117	N.D.	
80) Pyrene	8.93	202	180	N.D.	
82) Benzylbutyl phthalate	0.00	149	0	N.D. d	
83) 3,3-Dichlorobenzidine	10.19	252	399	N.D.	
84) Benzo(a)anthracene	10.10	228	622	N.D.	
85) Chrysene	10.10	228	622	N.D.	
86) bis(2-Ethylhexyl)phthalate	9.96	149	10233	0.3614798 ppb	94
87) Di-n-octyl phthalate	10.86	149	1015	N.D.	
89) Benzo(b)fluoranthene	0.00	252	0	N.D.	
90) Benzo(k)fluoranthene	11.79	252	567	N.D.	
91) Benzo(a)pyrene	12.33	252	1028	N.D.	
92) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110811\1108_24.D Vial: 46
Acq On : 8 Nov 2011 9:40 pm Operator: 377
Sample : L544884-05 1x WG564274 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 10:24 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011



Injection Log

Directory: C:\MSDCHEM\1\DATA\110911

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	1109_00.d	1.	INSTBLK SVMS	instrument blank	9 Nov 2011 10:49
2	1	1109_01.d	1.	TUNE 50 ppm	dftpp	9 Nov 2011 11:09
3	2	1109_02.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	9 Nov 2011 11:29
4	3	1109_03.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	9 Nov 2011 11:49
5	4	1109_04.d	0.001	LCS 1x WG564567 1000-1.0	water sur11K01660...	9 Nov 2011 12:09
6	5	1109_05.d	0.001	LCSD 1x WG564567 1000-1.0	water sur11K01660...	9 Nov 2011 12:29
7	6	1109_06.d	0.001	BLANK 1x WG564565 1000-1.0	water sur11K01660...	9 Nov 2011 12:49
8	7	1109_07.d	0.01	BLANK 1x WG564567 100-1.0	water sur11K01660...	9 Nov 2011 13:09
9	8	1109_08.d	0.001	L544961-01 1x WG564085 1000...	water sur11K01660...	9 Nov 2011 13:28
10	9	1109_09.d	0.001	L544961-02 1x WG564085 1000...	water sur11K01660...	9 Nov 2011 13:48
11	10	1109_10.d	0.001	L544961-03 1x WG564085 1000...	water sur11K01660...	9 Nov 2011 14:07
12	11	1109_11.d	0.0029	L544961-04 2.9x WG564085 35...	water sur11K01660...	9 Nov 2011 14:27
13	12	1109_12.d	0.02	L545297-01 20x WG564085 100...	water sur11K01660...	9 Nov 2011 14:47
14	13	1109_13.d	0.001	L545628-01 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 15:07
15	14	1109_14.d	0.001	L544884-06 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 15:27
16	15	1109_15.d	0.001	L544884-07 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 15:47
17	16	1109_16.d	0.001	L545369-01 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 16:07
18	17	1109_17.d	0.01	L545174-01 1x WG564567 100-1.0	water sur11K01660...	9 Nov 2011 16:19
19	18	1109_18.d	0.01	MS 1x WG564567 L545174-01 1...	water sur11K01660...	9 Nov 2011 16:39
20	19	1109_19.d	0.01	MSD 1x WG564567 L545174-01 ...	water sur11K01660...	9 Nov 2011 16:59
21	20	1109_20.d	0.02	L545495-01 20x WG564565 100...	water sur11K01660...	9 Nov 2011 17:19
22	21	1109_21.d	0.02	L545628-02 20x WG564565 100...	water sur11K01660...	9 Nov 2011 17:38
23	22	1109_22.d	0.167	L545174-04 5x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 17:58
24	23	1109_23.d	0.0333	L544859-04 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 18:18
25	24	1109_24.d	0.167	L545195-04 5x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 18:38
26	25	1109_25.d	1.67	L545198-02 50x WG564252 15-5.0	soil sur11K01660/...	9 Nov 2011 18:58
27	26	1109_26.d	1.67	L545198-08 50x WG564252 15-5.0	soil sur11K01660/...	9 Nov 2011 19:18
28	27	1109_27.d	0.667	L545198-04 20x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 19:38
29	28	1109_28.d	0.667	L545410-06 20x WG564421 15-0.5	soil sur11K01660/...	9 Nov 2011 19:58
30	29	1109_29.d	0.001	L545394-01 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 20:18
31	30	1109_30.d	0.001	L545394-02 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 20:37
32	31	1109_31.d	0.001	L545546-03 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 20:57
33	32	1109_32.d	0.001	L545549-02 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 21:17
34	33	1109_33.d	0.001	L545595-11 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 21:37
35	34	1109_34.d	0.001	L545639-02 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 21:57
36	35	1109_35.d	0.001	L545649-01 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 22:17
37	36	1109_36.d	0.02	L545434-01 20x WG564565 1000-1	water sur11K01660...	9 Nov 2011 22:37
38	37	1109_37.d	0.02	L545467-01 20x WG564565 1000-1	water sur11K01660...	9 Nov 2011 22:57
39	38	1109_38.d	0.02	dnr L545549-01 20x WG564565...	water sur11K01660...	9 Nov 2011 23:17
40	39	1109_39.d	0.02	L545639-04 20x WG564565 1000-1	water sur11K01660...	9 Nov 2011 23:36
41	40	1109_40.d	0.02	L545639-01 20x WG564565 1000-1	water sur11K01660...	9 Nov 2011 23:56
42	41	1109_41.d	0.05	L545639-03 50x WG564565 1000-1	water sur11K01660...	10 Nov 2011 00:16
43	100	1109_42.d	1.	INSTBLK SVMS	instrument blank	10 Nov 2011 01:11
44	42	1109_43.d	0.001	dnr L545680-02 1x WG564674 ...	water sur11K01660...	10 Nov 2011 01:31
45	43	1109_44.d	0.001	L545682-01 1x WG564674 1000...	water sur11K01660...	10 Nov 2011 01:50
46	44	1109_45.d	0.004	dnr L545684-01 4x WG564674 ...	water sur11K01660...	10 Nov 2011 02:10
47	45	1109_46.d	0.004	L545685-01 4x WG564674 1000...	water sur11K01660...	10 Nov 2011 02:30
48	46	1109_47.d	0.02	dnr L545678-01 20x WG564674...	water sur11K01660...	10 Nov 2011 02:50
49	47	1109_48.d	0.02	dnr L545681-01 20x WG564674...	water sur11K01660...	10 Nov 2011 03:10

Injection Log

Directory: C:\MSDCHEM\1\DATA\110911

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	1109_00.d	1.	INSTBLK SVMS	instrument blank	9 Nov 2011 10:49
2	1	1109_01.d	1.	TUNE 50 ppm	dftpp	9 Nov 2011 11:09
3	2	1109_02.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	9 Nov 2011 11:29
4	3	1109_03.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	9 Nov 2011 11:49
5	4	1109_04.d	0.001	LCS 1x WG564567 1000-1.0	water sur11K01660...	9 Nov 2011 12:09
6	5	1109_05.d	0.001	LCSD 1x WG564567 1000-1.0	water sur11K01660...	9 Nov 2011 12:29
7	6	1109_06.d	0.001	BLANK 1x WG564565 1000-1.0	water sur11K01660...	9 Nov 2011 12:49
8	7	1109_07.d	0.01	BLANK 1x WG564567 100-1.0	water sur11K01660...	9 Nov 2011 13:09
9	8	1109_08.d	0.001	L544961-01 1x WG564085 1000...	water sur11K01660...	9 Nov 2011 13:28
10	9	1109_09.d	0.001	L544961-02 1x WG564085 1000...	water sur11K01660...	9 Nov 2011 13:48
11	10	1109_10.d	0.001	L544961-03 1x WG564085 1000...	water sur11K01660...	9 Nov 2011 14:07
12	11	1109_11.d	0.0029	L544961-04 2.9x WG564085 35...	water sur11K01660...	9 Nov 2011 14:27
13	12	1109_12.d	0.02	L545297-01 20x WG564085 100...	water sur11K01660...	9 Nov 2011 14:47
14	13	1109_13.d	0.001	L545628-01 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 15:07
15	14	1109_14.d	0.001	L544884-06 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 15:27
16	15	1109_15.d	0.001	L544884-07 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 15:47
17	16	1109_16.d	0.001	L545369-01 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 16:07
18	17	1109_17.d	0.01	L545174-01 1x WG564567 100-1.0	water sur11K01660...	9 Nov 2011 16:19
19	18	1109_18.d	0.01	MS 1x WG564567 L545174-01 1...	water sur11K01660...	9 Nov 2011 16:39
20	19	1109_19.d	0.01	MSD 1x WG564567 L545174-01 ...	water sur11K01660...	9 Nov 2011 16:59
21	20	1109_20.d	0.02	L545495-01 20x WG564565 100...	water sur11K01660...	9 Nov 2011 17:19
22	21	1109_21.d	0.02	L545628-02 20x WG564565 100...	water sur11K01660...	9 Nov 2011 17:38
23	22	1109_22.d	0.167	L545174-04 5x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 17:58
24	23	1109_23.d	0.0333	L544859-04 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 18:18
25	24	1109_24.d	0.167	L545195-04 5x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 18:38
26	25	1109_25.d	1.67	L545198-02 50x WG564252 15-5.0	soil sur11K01660/...	9 Nov 2011 18:58
27	26	1109_26.d	1.67	L545198-08 50x WG564252 15-5.0	soil sur11K01660/...	9 Nov 2011 19:18
28	27	1109_27.d	0.667	L545198-04 20x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 19:38
29	28	1109_28.d	0.667	L545410-06 20x WG564421 15-0.5	soil sur11K01660/...	9 Nov 2011 19:58
30	29	1109_29.d	0.001	L545394-01 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 20:18
31	30	1109_30.d	0.001	L545394-02 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 20:37
32	31	1109_31.d	0.001	L545546-03 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 20:57
33	32	1109_32.d	0.001	L545549-02 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 21:17
34	33	1109_33.d	0.001	L545595-11 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 21:37
35	34	1109_34.d	0.001	dnr L545639-02 1x WG564565 ...	water sur11K01660...	9 Nov 2011 21:57
36	35	1109_35.d	0.001	L545649-01 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 22:17
37	36	1109_36.d	0.02	L545434-01 20x WG564565 1000-1	water sur11K01660...	9 Nov 2011 22:37
38	37	1109_37.d	0.02	L545467-01 20x WG564565 1000-1	water sur11K01660...	9 Nov 2011 22:57
39	38	1109_38.d	0.02	dnr L545549-01 20x WG564565...	water sur11K01660...	9 Nov 2011 23:17
40	39	1109_39.d	0.02	dnr L545639-04 20x WG564565...	water sur11K01660...	9 Nov 2011 23:36
41	40	1109_40.d	0.02	dnr L545639-01 20x WG564565...	water sur11K01660...	9 Nov 2011 23:56
42	41	1109_41.d	0.05	dnr L545639-03 50x WG564565...	water sur11K01660...	10 Nov 2011 00:16
43	100	1109_42.d	1.	INSTBLK SVMS	instrument blank	10 Nov 2011 01:11
44	42	1109_43.d	0.001	dnr L545680-02 1x WG564674 ...	water sur11K01660...	10 Nov 2011 01:31
45	43	1109_44.d	0.001	L545682-01 1x WG564674 1000...	water sur11K01660...	10 Nov 2011 01:50
46	44	1109_45.d	0.004	dnr L545684-01 4x WG564674 ...	water sur11K01660...	10 Nov 2011 02:10
47	45	1109_46.d	0.004	L545685-01 4x WG564674 1000...	water sur11K01660...	10 Nov 2011 02:30
48	46	1109_47.d	0.02	dnr L545678-01 20x WG564674...	water sur11K01660...	10 Nov 2011 02:50
49	47	1109_48.d	0.02	dnr L545681-01 20x WG564674...	water sur11K01660...	10 Nov 2011 03:10

Injection Log

Directory: C:\MSDCHEM\1\DATA\110911

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	1109_00.d	1.	INSTBLK SVMS	instrument blank	9 Nov 2011 10:49
2	1	1109_01.d	1.	TUNE 50 ppm	dftpp	9 Nov 2011 11:09
3	2	1109_02.d	1.	ICV SVMS 10000 ppb 11G20058	8270 calibration	9 Nov 2011 11:29
4	3	1109_03.d	1.	ICV TCL 10000 ppb 11G20059	8270 TCL calibration	9 Nov 2011 11:49
5	4	1109_04.d	0.001	LCS 1x WG564565 1000-1.0	water sur11K01660...	9 Nov 2011 12:09
6	5	1109_05.d	0.001	LCSD 1x WG564565 1000-1.0	water sur11K01660...	9 Nov 2011 12:29
7	6	1109_06.d	0.001	BLANK 1x WG564565 1000-1.0	water sur11K01660...	9 Nov 2011 12:49
8	7	1109_07.d	0.01	BLANK 1x WG564567 100-1.0	water sur11K01660...	9 Nov 2011 13:09
9	8	1109_08.d	0.001	L544961-01 1x WG564085 1000...	water sur11K01660...	9 Nov 2011 13:28
10	9	1109_09.d	0.001	L544961-02 1x WG564085 1000...	water sur11K01660...	9 Nov 2011 13:48
11	10	1109_10.d	0.001	L544961-03 1x WG564085 1000...	water sur11K01660...	9 Nov 2011 14:07
12	11	1109_11.d	0.0029	L544961-04 2.9x WG564085 35...	water sur11K01660...	9 Nov 2011 14:27
13	12	1109_12.d	0.02	L545297-01 20x WG564085 100...	water sur11K01660...	9 Nov 2011 14:47
14	13	1109_13.d	0.001	L545628-01 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 15:07
15	14	1109_14.d	0.001	L544884-06 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 15:27
16	15	1109_15.d	0.001	L544884-07 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 15:47
17	16	1109_16.d	0.001	L545369-01 1x WG564565 1000...	water sur11K01660...	9 Nov 2011 16:07
18	17	1109_17.d	0.01	L545174-01 1x WG564567 100-1.0	water sur11K01660...	9 Nov 2011 16:19
19	18	1109_18.d	0.01	MS 1x WG564567 L545174-01 1...	water sur11K01660...	9 Nov 2011 16:39
20	19	1109_19.d	0.01	MSD 1x WG564567 L545174-01 ...	water sur11K01660...	9 Nov 2011 16:59
21	20	1109_20.d	0.02	L545495-01 20x WG564565 100...	water sur11K01660...	9 Nov 2011 17:19
22	21	1109_21.d	0.02	L545628-02 20x WG564565 100...	water sur11K01660...	9 Nov 2011 17:38
23	22	1109_22.d	0.167	L545174-04 5x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 17:58
24	23	1109_23.d	0.0333	L544859-04 1x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 18:18
25	24	1109_24.d	0.167	L545195-04 5x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 18:38
26	25	1109_25.d	1.67	L545198-02 50x WG564252 15-5.0	soil sur11K01660/...	9 Nov 2011 18:58
27	26	1109_26.d	1.67	L545198-08 50x WG564252 15-5.0	soil sur11K01660/...	9 Nov 2011 19:18
28	27	1109_27.d	0.667	L545198-04 20x WG564252 15-0.5	soil sur11K01660/...	9 Nov 2011 19:38
29	28	1109_28.d	0.667	L545410-06 20x WG564421 15-0.5	soil sur11K01660/...	9 Nov 2011 19:58
30	29	1109_29.d	0.001	L545394-01 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 20:18
31	30	1109_30.d	0.001	L545394-02 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 20:37
32	31	1109_31.d	0.001	L545546-03 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 20:57
33	32	1109_32.d	0.001	L545549-02 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 21:17
34	33	1109_33.d	0.001	L545595-11 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 21:37
35	34	1109_34.d	0.001	dnr L545639-02 1x WG564565 ...	water sur11K01660...	9 Nov 2011 21:57
36	35	1109_35.d	0.001	L545649-01 1x WG564565 1000-1	water sur11K01660...	9 Nov 2011 22:17
37	36	1109_36.d	0.02	L545434-01 20x WG564565 1000-1	water sur11K01660...	9 Nov 2011 22:37
38	37	1109_37.d	0.02	L545467-01 20x WG564565 1000-1	water sur11K01660...	9 Nov 2011 22:57
39	38	1109_38.d	0.02	dnr L545549-01 20x WG564565...	water sur11K01660...	9 Nov 2011 23:17
40	39	1109_39.d	0.02	dnr L545639-04 20x WG564565...	water sur11K01660...	9 Nov 2011 23:36
41	40	1109_40.d	0.02	dnr L545639-01 20x WG564565...	water sur11K01660...	9 Nov 2011 23:56
42	41	1109_41.d	0.05	dnr L545639-03 50x WG564565...	water sur11K01660...	10 Nov 2011 00:16
43	100	1109_42.d	1.	INSTBLK SVMS	instrument blank	10 Nov 2011 01:11
44	42	1109_43.d	0.001	dnr L545680-02 1x WG564674 ...	water sur11K01660...	10 Nov 2011 01:31
45	43	1109_44.d	0.001	L545682-01 1x WG564674 1000...	water sur11K01660...	10 Nov 2011 01:50
46	44	1109_45.d	0.004	dnr L545684-01 4x WG564674 ...	water sur11K01660...	10 Nov 2011 02:10
47	45	1109_46.d	0.004	L545685-01 4x WG564674 1000...	water sur11K01660...	10 Nov 2011 02:30
48	46	1109_47.d	0.02	dnr L545678-01 20x WG564674...	water sur11K01660...	10 Nov 2011 02:50
49	47	1109_48.d	0.02	dnr L545681-01 20x WG564674...	water sur11K01660...	10 Nov 2011 03:10

12065 Lebanon Rd.
Mt. Juliet, TN 37122

(800) 767-5859

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Analysis: _____SV8270OH_____ Analysis Date: _____11/10/11_____

Run batch ID:____svgcms11_110911 _____

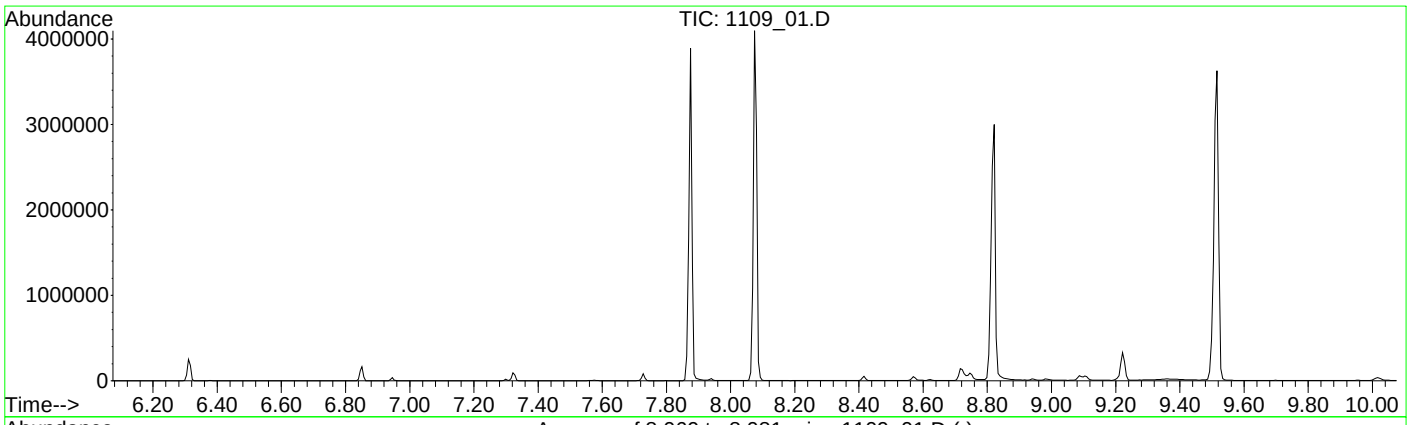
Acceptance criteria are found in the applicable laboratory SOP. If item is N/A, mark as such in Notes column

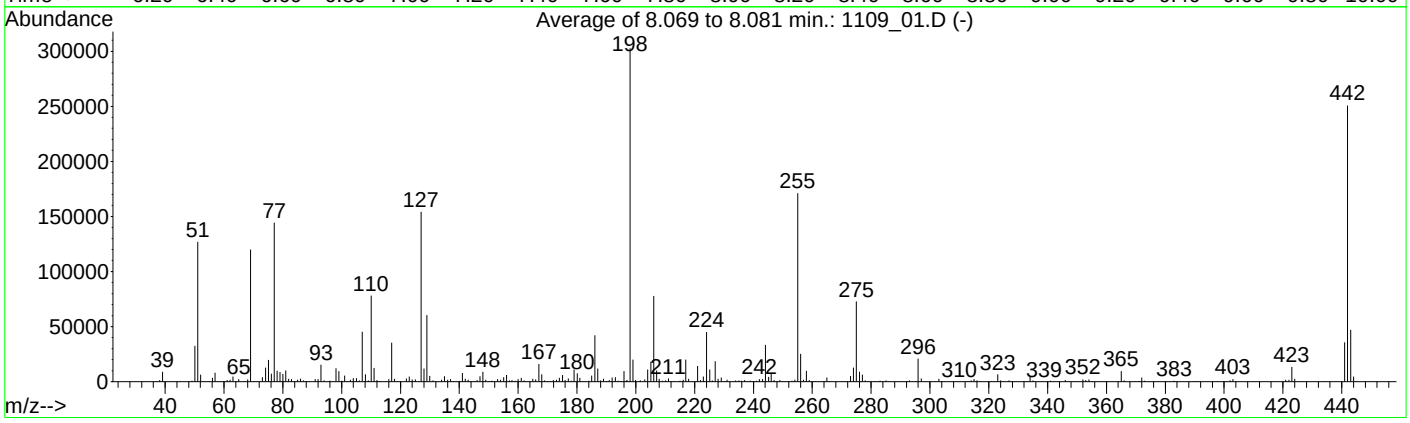
Item for review		**Notes**
Injection Log		
signed/dated, complete with notes (finals, stamps, instrument problems etc)	yes	
All samples analyzed within 12hr (24hr for 625) from Tune	yes	
Curve		
Curve name	S811K05K	
Minimum of 5 points, lowest standards at or below RL	yes	
8270 CCCs ≤ 30% RSD SPCCs all pass minimum response factors (0.050)	yes	
%RSD for all other compounds ≤ 15% or placed on Linear or quadratic	yes	
All necessary plots in packet (LR or Quad)	yes	
Instrument QC		
DFTPP passes	yes	
PCP & Benzidine tailing pass	yes	
DDT Breakdown pass	yes	
ISTD 50-200% of current calibration	yes	
Instrument blanks are below RDL	yes	
625 ICV/CCV passes 80-120% recovery for all compounds		N/a
8270 ICV/CCV: CCCs <20% Drift, SPCCs all pass minimum response factors (0.05)	yes	
Samples		
Notes for finals, detaches, DNR on quant reports	yes	
ISTD 50-200% of those in CCV	yes	
Surrogates Passing or appropriately flagged	yes	
Multiplier/Dilution Correct	yes	
Each chromatogram reviewed	yes	
Data captured correctly	yes	
Samples checked for possible carryover	yes	
Q values below 70 stamped REAL		Notated on IL
Method Blank No hits above ½ the RL	yes	
LCS/LCSD passes or appropriately flagged	yes	
MS/MSD passes or appropriately flagged	yes	
Manual integrations:		
Printed with appropriate documentation	**yes**	
Performed consistently with calibration standards and appropriate for method requirements.	yes	
Other: CARs issued (indicate #)		

Approved by QC Specialist:_____ Date:_____
By signing in "Approved by" above, I agree that I have reviewed the data as indicated on this checklist

DFTPP

Data File : C:\MSDCHEM\1\DATA\110911\1109_01.D Vial: 1
Acq On : 9 Nov 2011 11:09 am Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11
Misc : dftpp Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNEC.M (RTE Integrator)



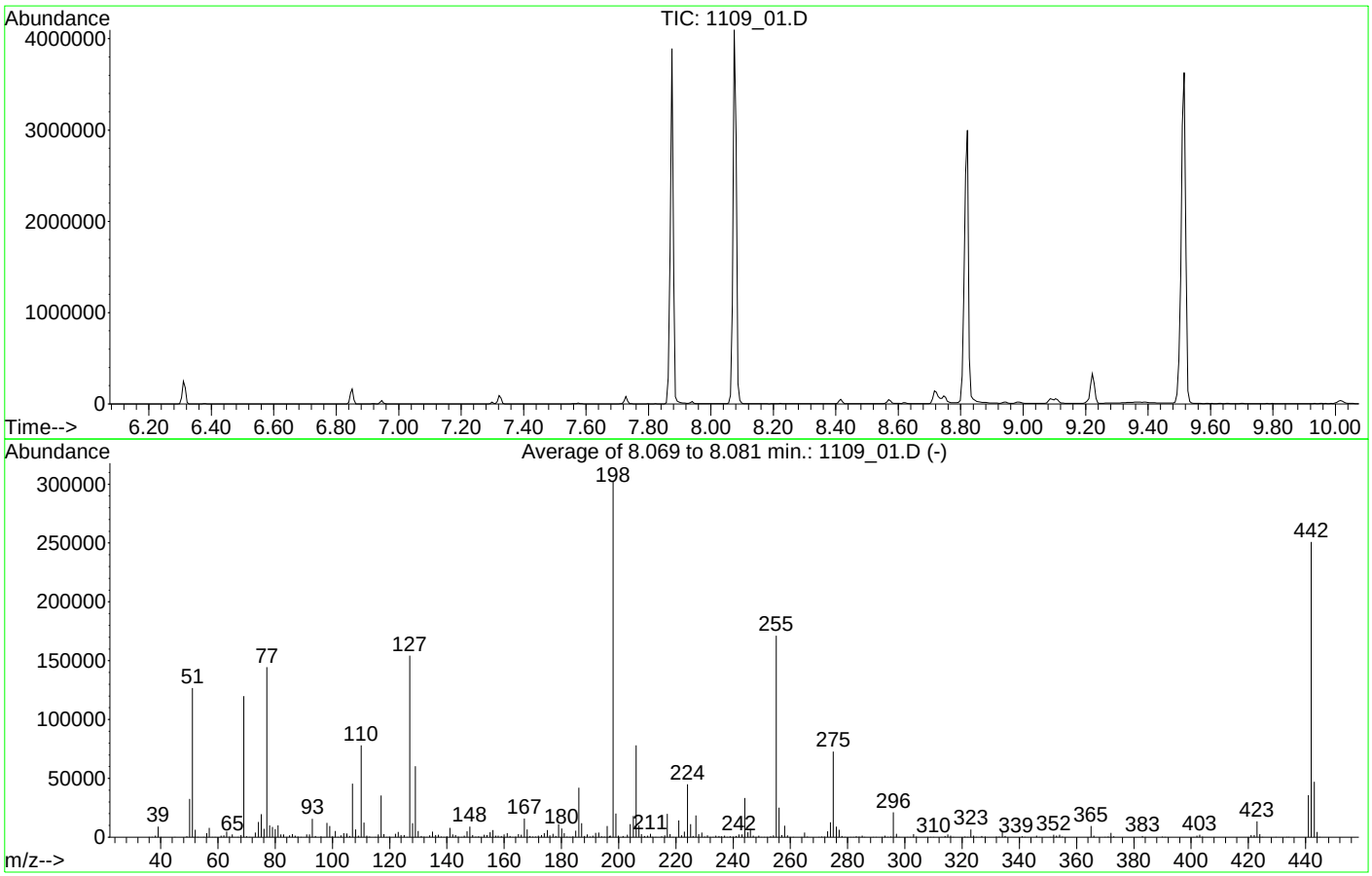


AutoFind: Scans 950, 951, 952; Background Corrected with Scan 945

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.9	126850	PASS
68	69	0.00	2	1.7	1984	PASS
69	198	0.00	100	39.6	120010	PASS
70	69	0.00	2	0.6	684	PASS
127	198	40	60	51.0	154266	PASS
197	198	0.00	1	0.4	1266	PASS
198	198	100	100	100.0	302736	PASS
199	198	5	9	6.7	20164	PASS
275	198	10	30	24.1	72906	PASS
365	198	1	100	3.2	9649	PASS
441	443	0.01	100	76.0	35846	PASS
442	198	40	100	82.9	250890	PASS
443	442	17	23	18.8	47181	PASS

DFTPP

Data File : C:\MSDCHEM\1\DATA\110911\1109_01.D Vial: 1
Acq On : 9 Nov 2011 11:09 am Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11
Misc : dftpp Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)



AutoFind: Scans 950, 951, 952; Background Corrected with Scan 945

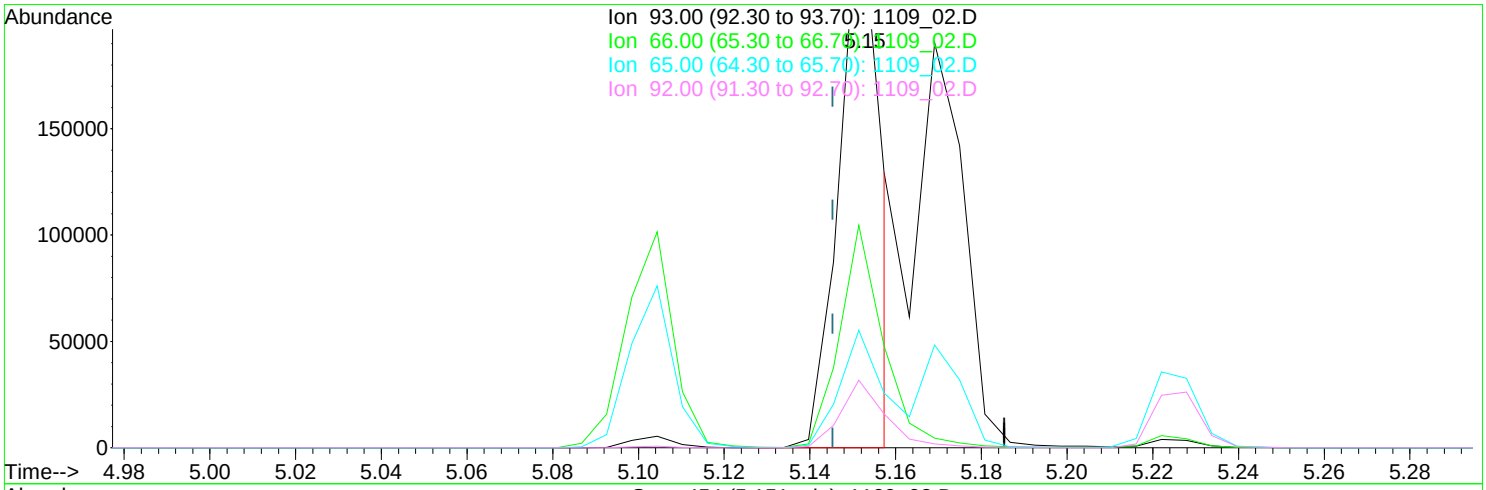
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.9	126850	PASS
68	69	0.00	2	1.7	1984	PASS
70	69	0.00	2	0.6	684	PASS
127	198	10	80	51.0	154266	PASS
197	198	0.00	2	0.4	1266	PASS
198	198	50	100	100.0	302736	PASS
199	198	5	9	6.7	20164	PASS
275	198	10	60	24.1	72906	PASS
365	198	1	100	3.2	9649	PASS
441	442	0.01	24	14.3	35846	PASS
442	198	50	100	82.9	250890	PASS
443	442	15	24	18.8	47181	PASS

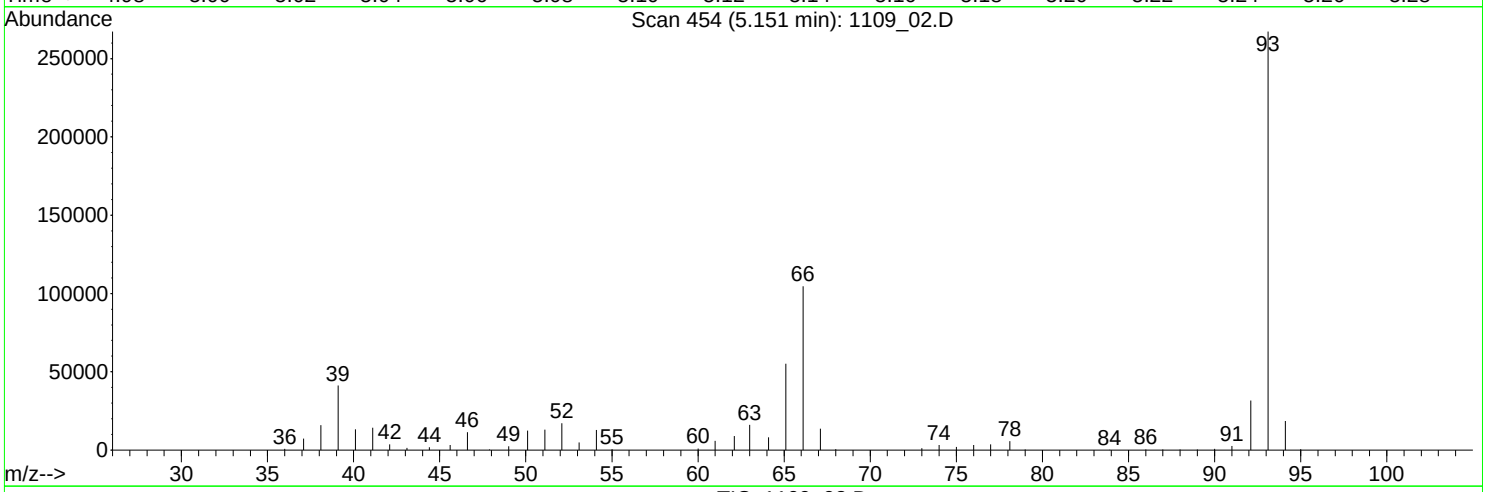
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:36 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_02.D

(5) Aniline (MT)

5.15min (+0.006) 9225.2692281 ppb

Qvalue = 99

response 172262

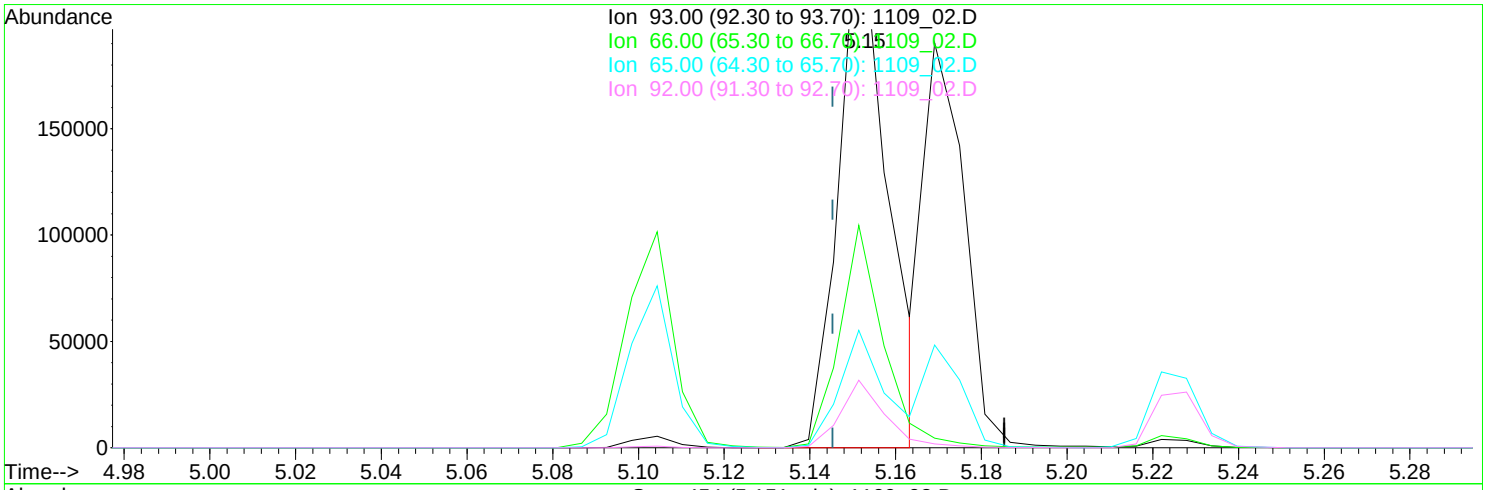
Ion	Exp%	Act%
93.00	100	100
66.00	38.60	39.11
65.00	21.40	21.02
92.00	12.00	12.08

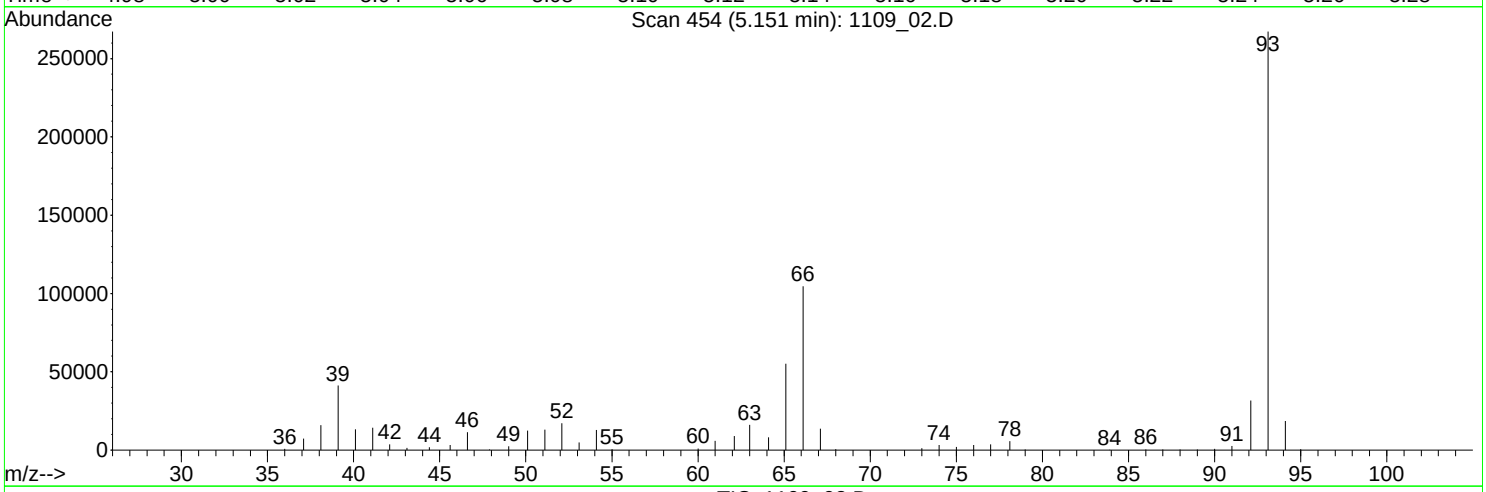
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_02.D

(5) Aniline (MT)

5.15min (+0.006) 10390.1159788 ppb m

response 194013

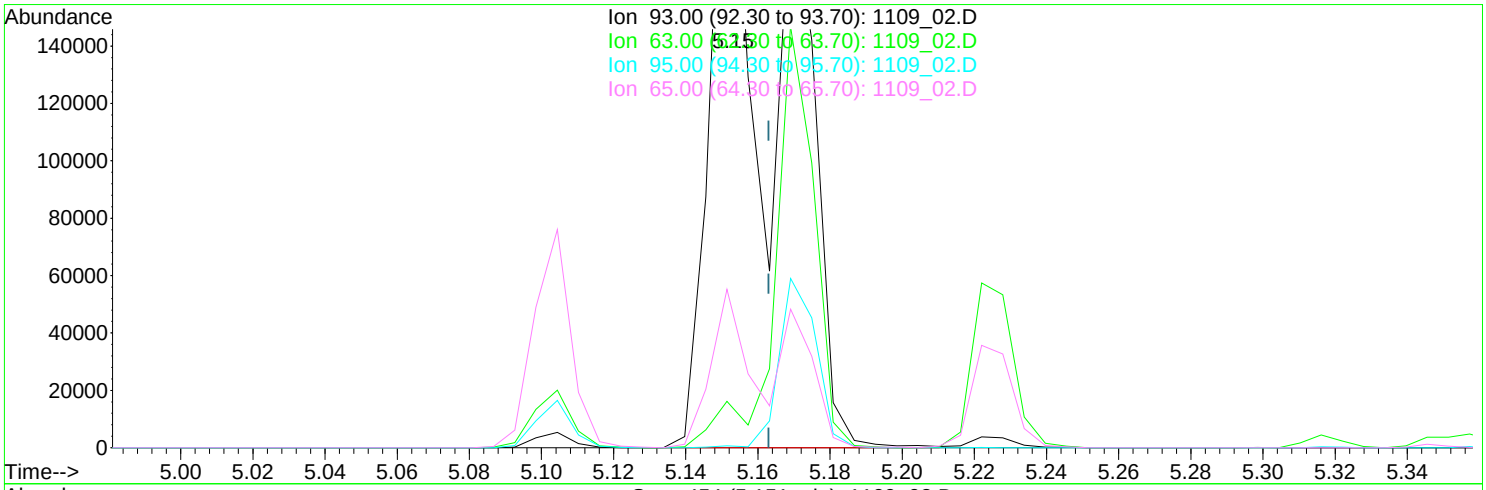
Ion	Exp%	Act%
93.00	100	100
66.00	38.60	34.72
65.00	21.40	18.67
92.00	12.00	10.73

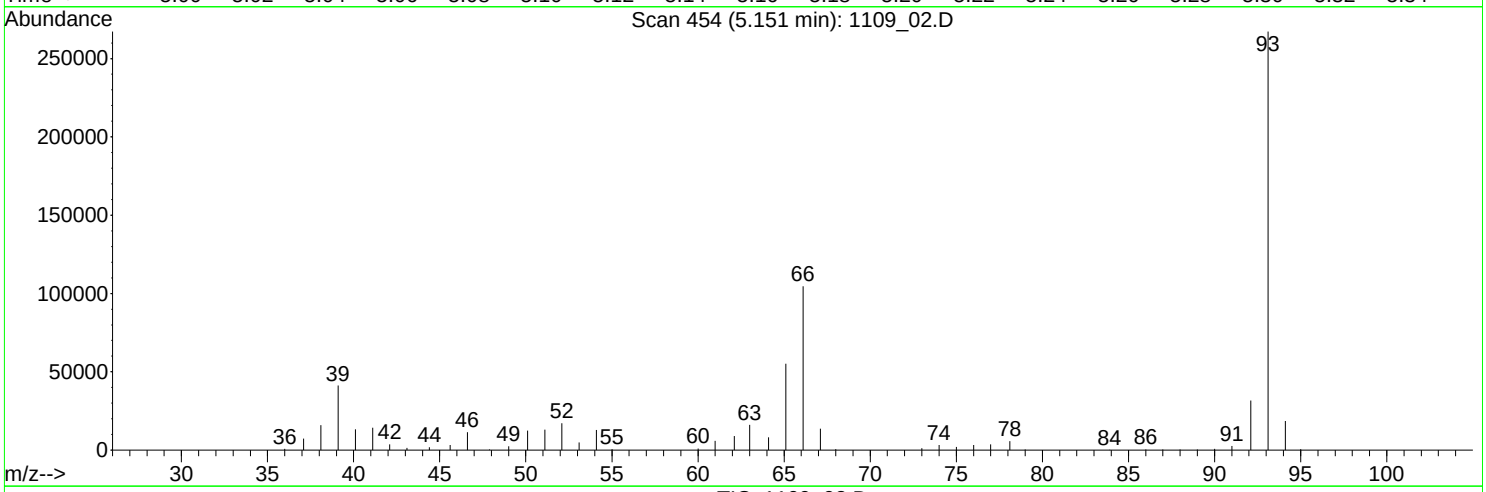
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_02.D

(6) bis(2-Chloroethyl)ether (MT)

5.15min (-0.012) 24934.8277547 ppb

Qvalue = 40

response 318901

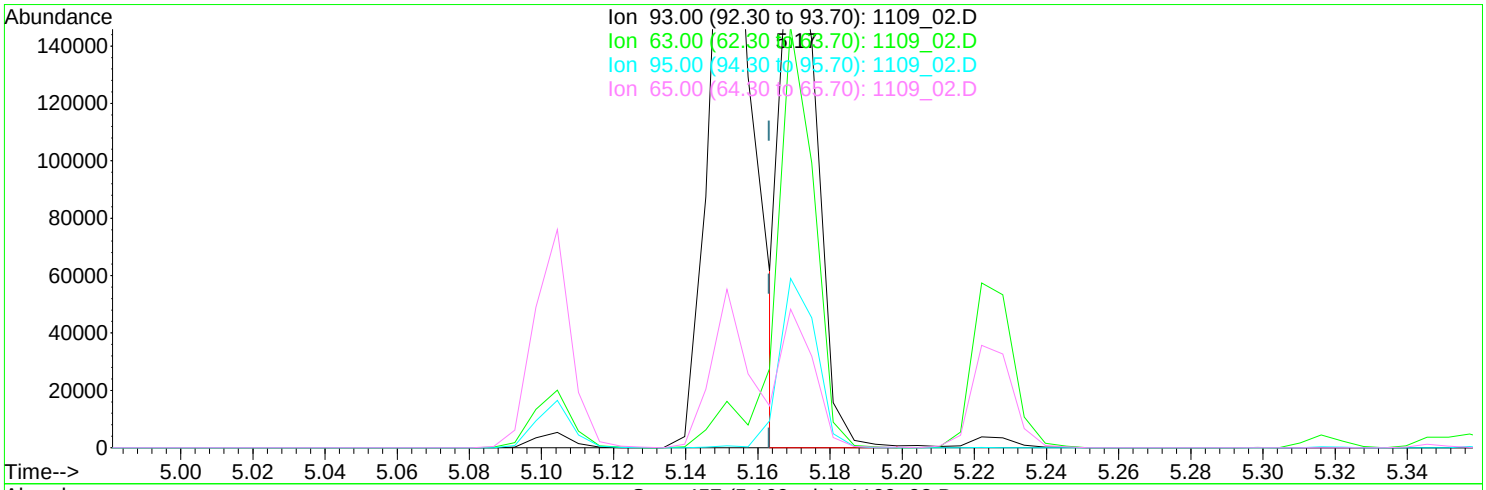
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	6.05#
95.00	31.70	0.24#
65.00	23.80	20.58

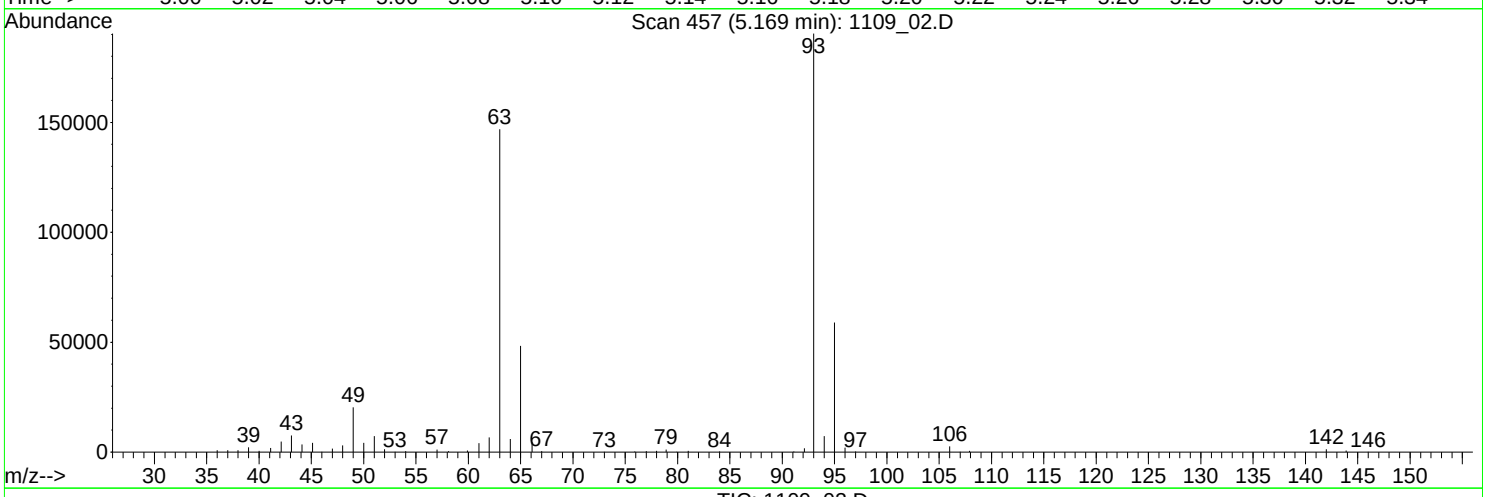
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_02.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.006) 9733.6223552 ppb m

response 124487

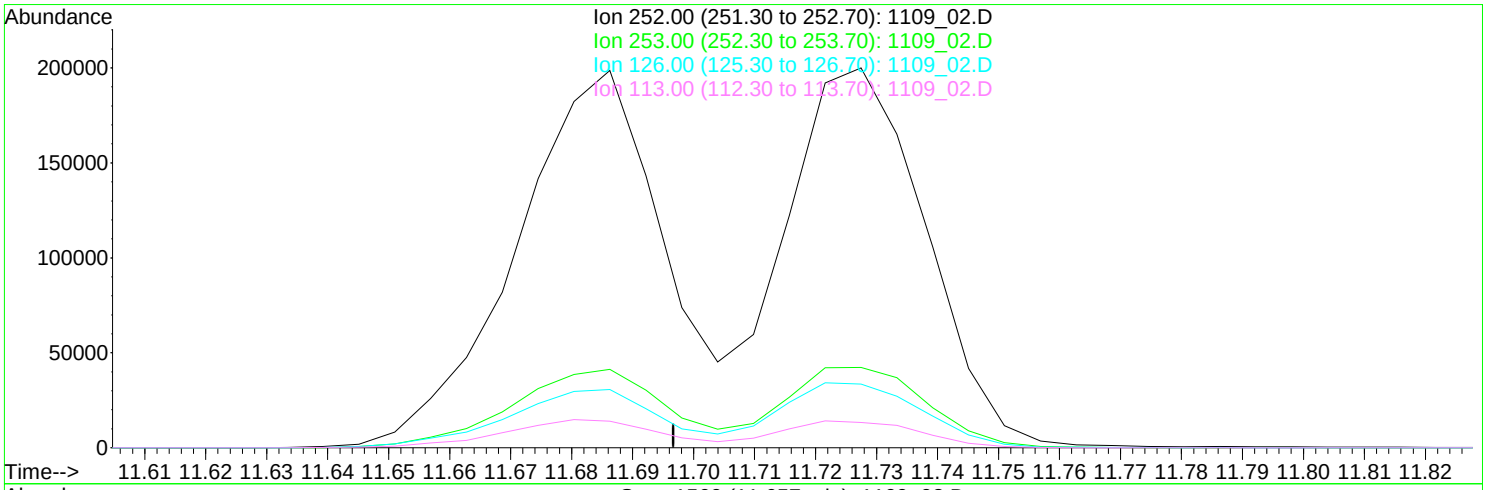
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	77.14
95.00	31.70	31.00
65.00	23.80	25.35

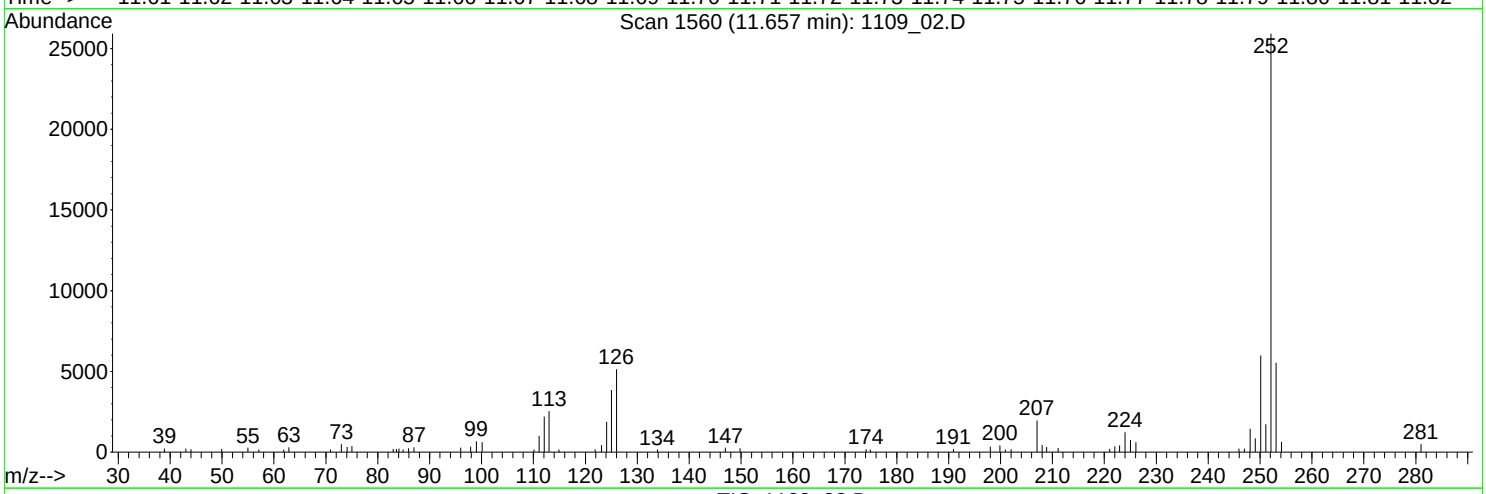
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_02.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

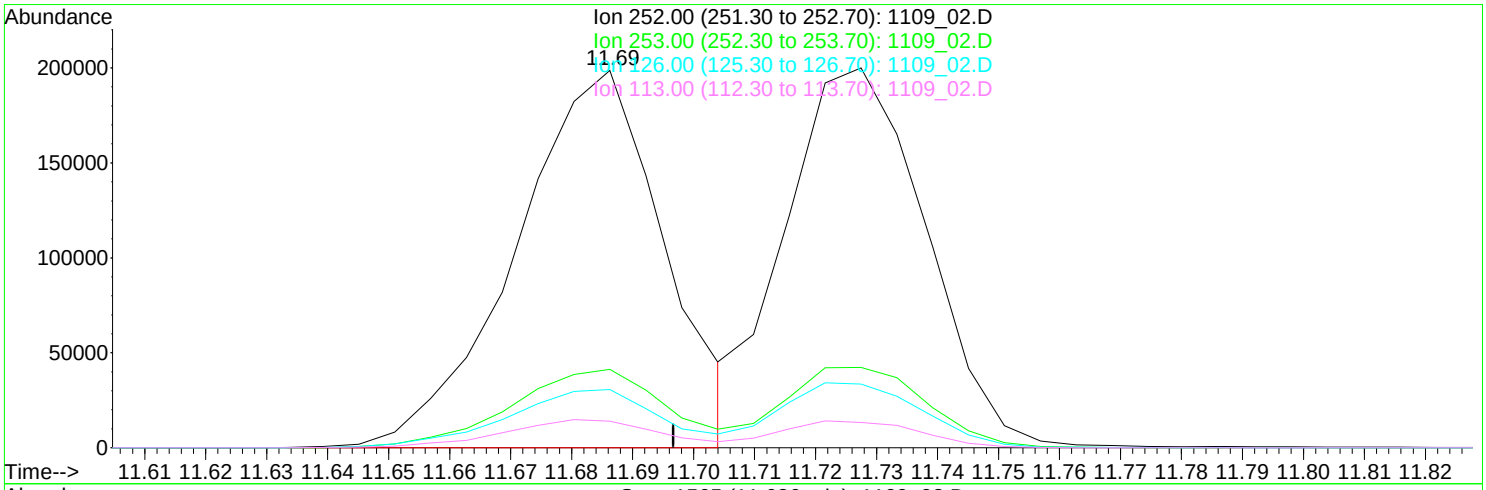
Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

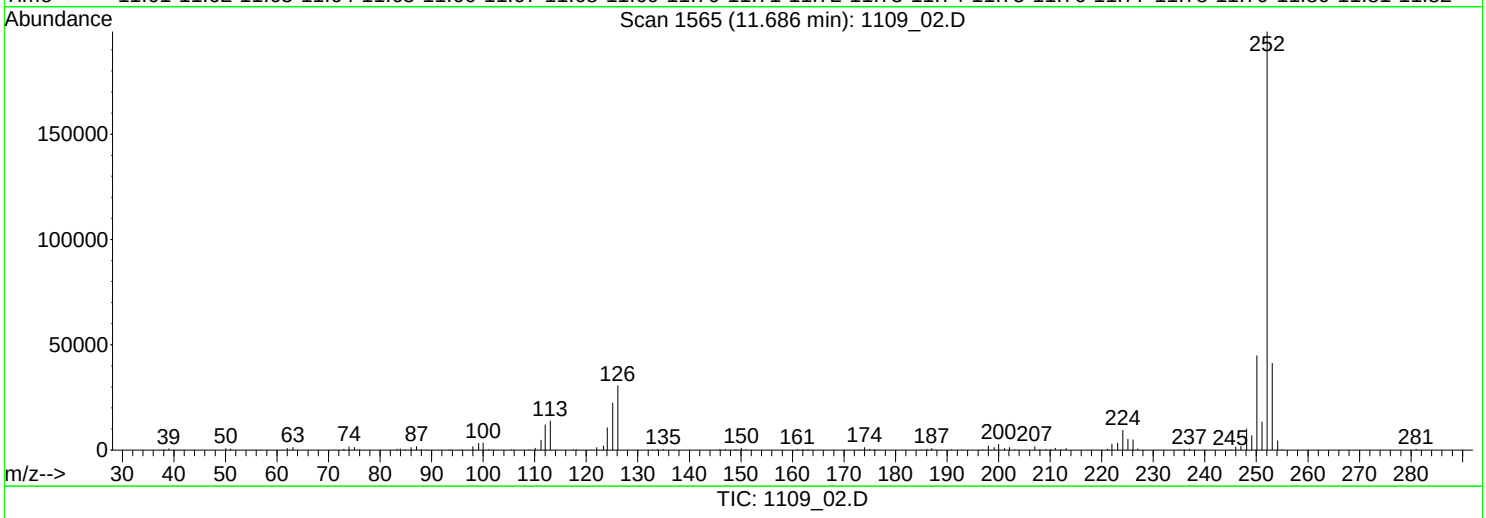
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





(89) Benzo(b)fluoranthene (MT)

11.69min (+0.030) 9547.0235950 ppb m

response 335740

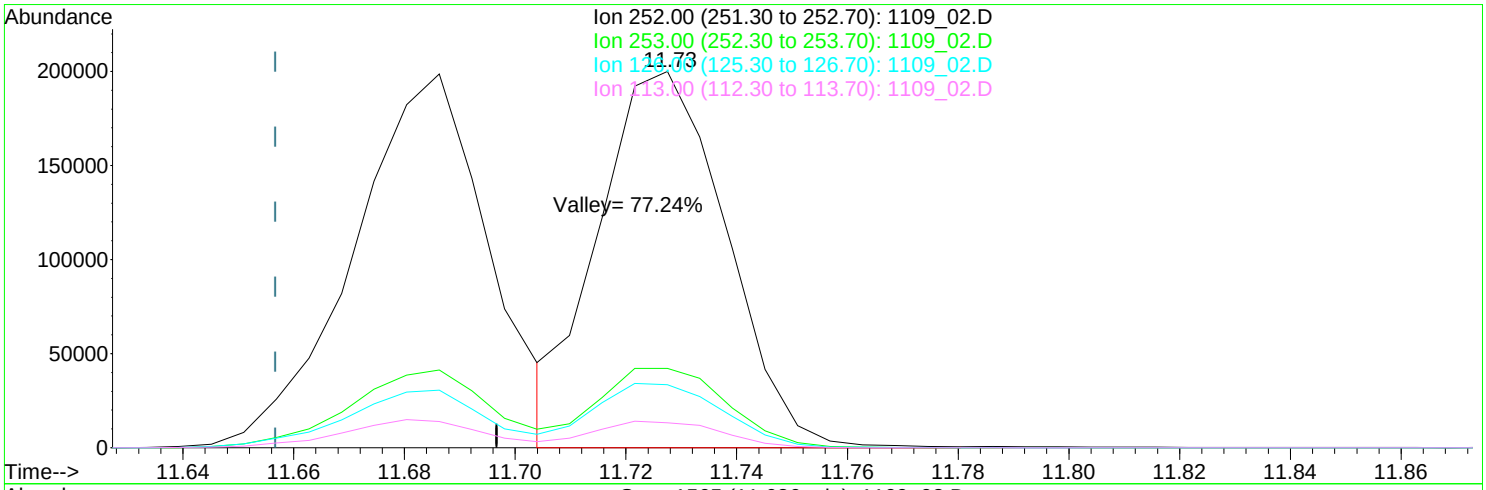
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	20.76
126.00	17.40	15.43
113.00	8.40	7.06

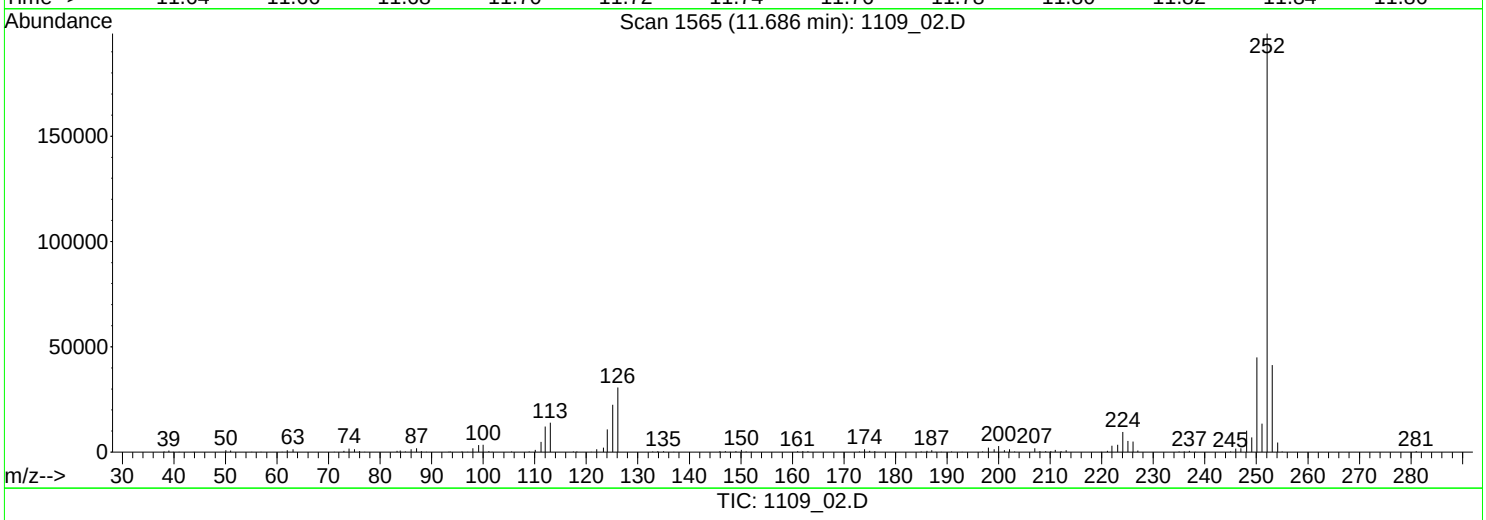
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





(89) Benzo(b)fluoranthene (MT)

11.69min (+0.030) 9547.0235950 ppb m

response 335740

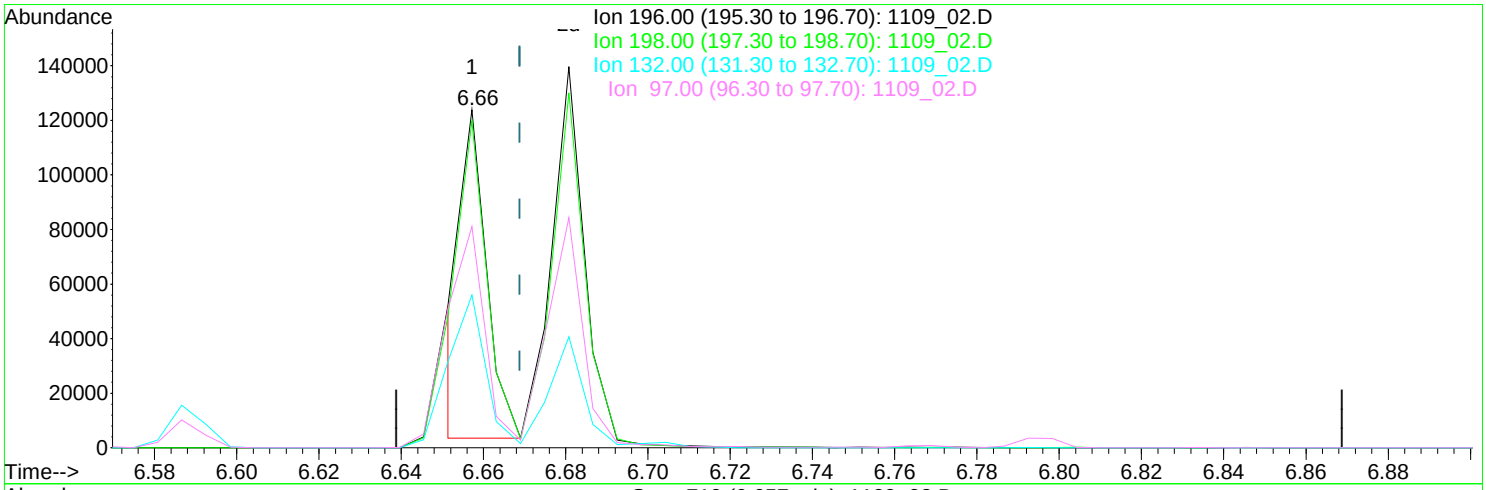
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	20.76
126.00	17.40	15.43
113.00	8.40	7.06

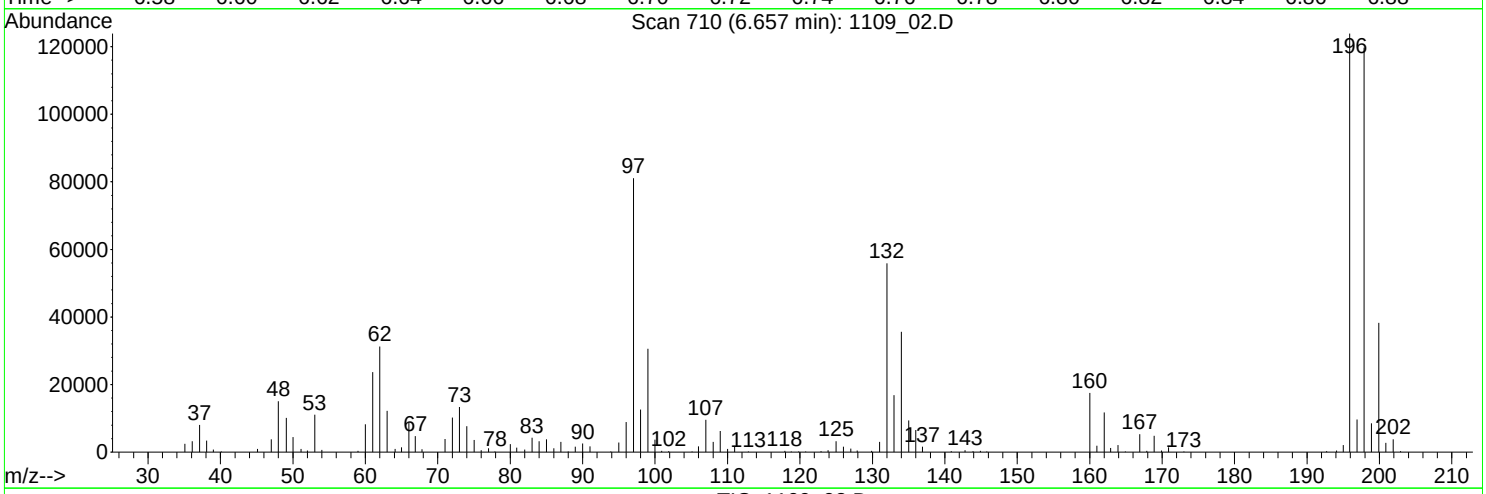
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_02.D

(43) 2,4,5-Trichlorophenol (MT)

6.66min (-0.012) 6892.1848754 ppb

Qvalue = 93

response 50970

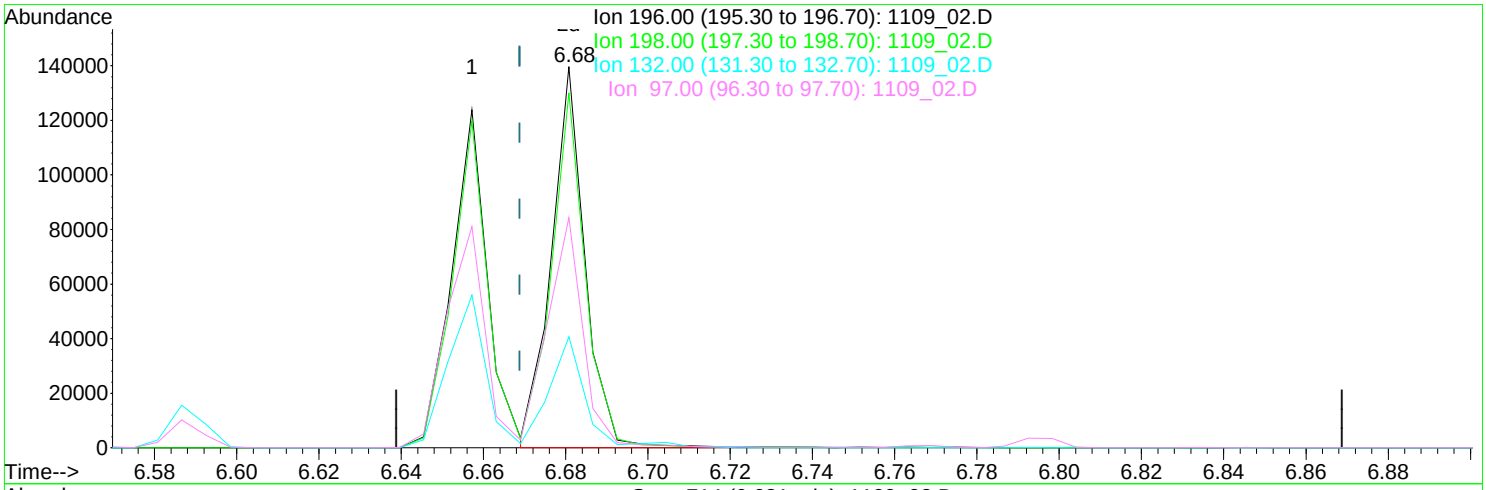
Ion	Exp%	Act%
196.00	100	100
198.00	94.10	96.76
132.00	30.90	45.21
97.00	62.80	65.00

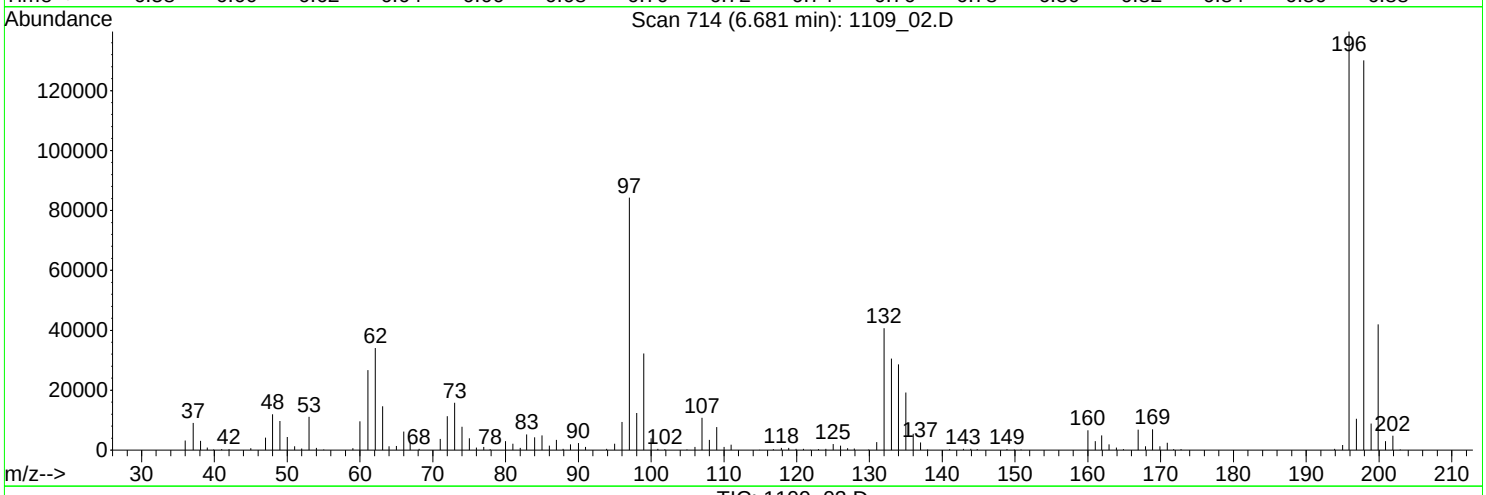
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 10 12:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_02.D

(43) 2,4,5-Trichlorophenol (MT)

6.68min (+0.012) 10725.9542610 ppb m

response 79322

Ion	Exp%	Act%
196.00	100	100
198.00	94.10	93.13
132.00	30.90	29.11
97.00	62.80	60.35

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 12:43 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	72397	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	277706	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	154264	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	244531	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	225822	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	230243	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	114613	10084.8107851 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 50424.05%#		
7) Phenol-d5	5.09	99	137217	10091.8231911 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 50459.12%#		
23) Nitrobenzene-d5	5.67	82	158044	10360.4428980 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 103604.43%#		
44) 2-Fluorobiphenyl	6.70	172	257910	10003.4951341 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 100034.95%#		
67) 2,4,6-Tribromophenol	7.59	330	35474	11031.0983538 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 55155.49%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 101374.41%#		

Target Compounds					Qvalue
2) Pyridine	3.63	79	132634	10370.7582410 ppb	96
3) N-Nitrosodimethylamine	3.60	42	74505	9388.1354501 ppb	95
5) Aniline	5.15	93	194013m	10390.1159788 ppb	
6) bis(2-Chloroethyl)ether	5.17	93	124487m	9733.6223552 ppb	
8) Phenol	5.10	94	167160	10429.7502074 ppb	99
9) Benzaldehyde	5.10	105	1531	158.2990287 ppb #	1
10) 2-Chlorophenol	5.23	128	126413	9973.7452074 ppb	95
11) n-Decane	5.22	41	85967	10603.9910320 ppb	100
12) 1,3-Dichlorobenzene	5.32	146	136201	9620.5245935 ppb	93
13) 1,4-Dichlorobenzene	5.36	146	145160	10227.2530532 ppb	97
14) Benzyl Alcohol	5.41	79	116928	10485.7982282 ppb	100
15) 1,2-Dichlorobenzene	5.45	146	130314	9919.2094244 ppb	96
16) bis(2-Chloroisopropyl)ethe	5.48	121	42400	10064.1385812 ppb	100
17) 2-Methylphenol	5.46	108	118770	10228.8488633 ppb	99
18) Hexachloroethane	5.65	117	58907	10066.2585496 ppb	96
19) N-Nitrosodi-n-propylamine	5.56	70	101830	10469.5795736 ppb	98
20) 3&4-Methyl phenol	5.54	107	131357	10239.1290751 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 12:43 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21) Acetophenone	5.54	105	1162	71.3318352 ppb	#	1
24) Nitrobenzene	5.68	77	144752	10419.8850708 ppb		97
25) Isophorone	5.81	82	262962	10543.3303274 ppb		97
26) 2-Nitrophenol	5.86	139	68492	11157.1410428 ppb		86
27) 2,4-Dimethylphenol	5.85	107	133247	11447.1516361 ppb		96
28) bis(2-Chlorethoxy)methane	5.91	93	152555	10273.9171202 ppb		95
29) 2,4-Dichlorophenol	6.00	162	104074	10529.9016477 ppb		97
30) Benzoic Acid	5.85	105	4047	3328.2547803 ppb	#	1
31) 1,2,4-Trichlorobenzene	6.05	180	117107	10376.8909500 ppb		99
32) Naphthalene	6.11	128	388690	10375.5320533 ppb		94
33) 4-Chloroaniline	6.12	65	51453	10594.3187918 ppb		97
34) Hexachloro-1,3-butadiene	6.16	225	66556	10043.8692185 ppb		98
35) Caprolactam	6.37	113	3481	954.5113498 ppb	#	22
36) 4-Chloro-3-methylphenol	6.37	107	119147	10835.0170277 ppb		88
37) 2-Methylnaphthalene	6.50	142	244097	10296.1811328 ppb		99
38) 1-Methylnaphthalene	6.56	142	248465	10294.9503232 ppb		98
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	649	63.1675289 ppb	#	81
41) Hexachlorocyclopentadiene	6.59	237	59498	10654.7271432 ppb		93
42) 2,4,6-Trichlorophenol	6.66	196	74554	10574.6745253 ppb		89
43) 2,4,5-Trichlorophenol	6.68	196	79322m	10725.9542610 ppb		
45) Biphenyl	6.77	154	294497	10190.9541810 ppb		99
46) 2-Chloronaphthalene	6.80	162	232015	10269.9953195 ppb		95
47) 2-Nitroaniline	6.84	138	76120	10358.6581514 ppb		100
48) Acenaphthylene	7.05	152	365107	10368.6395009 ppb		100
49) Dimethyl phthalate	6.92	163	264987	10017.2233057 ppb		90
50) 2,6-Dinitrotoluene	6.97	165	61412	10542.9854452 ppb	#	79
51) 3-Nitroaniline	7.07	138	58469	10116.3531184 ppb		97
52) Acenaphthene	7.15	153	239676	10533.0179848 ppb		100
53) 2,4-Dinitrophenol	7.13	184	19526	10459.4726882 ppb	#	65
54) Dibenzofuran	7.24	168	322625	10233.3392636 ppb		99
55) 2,4-Dinitrotoluene	7.20	165	79612	10630.9123400 ppb		89
56) 2,3,4,6-Tetrachlorophenol	7.30	232	64256	13243.2018542 ppb		92
57) 4-Nitrophenol	7.14	139	45509	10098.6660079 ppb		92
58) Fluorene	7.45	166	267365	10214.1750336 ppb		99
59) 4-Chlorophenyl-phenylether	7.42	204	120218	10068.6858365 ppb	#	76
60) Diethyl phthalate	7.32	149	284017	10518.5325868 ppb		100
61) 4-Nitroaniline	7.43	138	52645	11146.5791287 ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 12:43 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

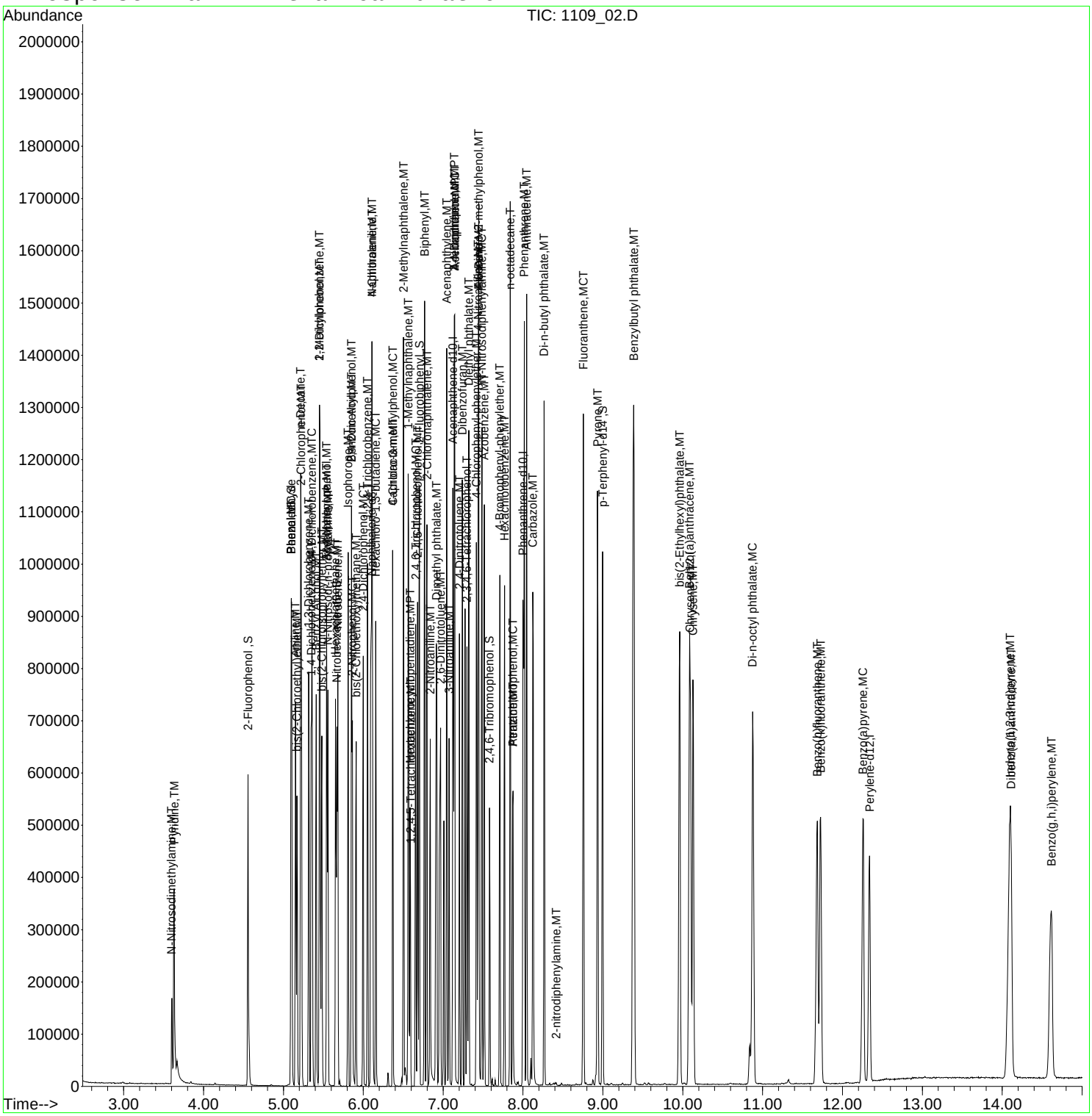
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	7.87	200	9644	1325.8153599 ppb	#	39
65)	4,6-Dinitro-2-methylphenol	7.45	198	32393	8967.4961899 ppb		82
66)	N-Nitrosodiphenylamine	7.49	169	228737	10800.5484153 ppb		99
68)	4-Bromophenyl-phenylether	7.71	248	71563	10240.5619418 ppb		96
69)	Hexachlorobenzene	7.77	284	75521	9796.7547675 ppb		98
70)	n-octadecane	7.84	55	51190	10563.1789490 ppb		98
71)	Pentachlorophenol	7.87	266	48585	9791.4184421 ppb		92
72)	Phenanthrene	8.02	178	362790	9923.0290996 ppb		98
73)	Anthracene	8.05	178	368755	10528.6142202 ppb		100
74)	Carbazole	8.12	167	332098	10052.7506695 ppb		99
75)	Di-n-butyl phthalate	8.26	149	479374	10317.2805841 ppb		99
76)	2-nitrodiphenylamine	8.42	167	79	8.3731094 ppb	#	1
77)	Fluoranthene	8.76	202	401962	10239.7184683 ppb		99
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.93	202	404516	10024.7538977 ppb		99
82)	Benzylbutyl phthalate	9.38	149	215643	10760.1867800 ppb		100
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	10.09	228	351650	9971.7985768 ppb		99
85)	Chrysene	10.13	228	322667	9714.0183786 ppb		98
86)	bis(2-Ethylhexyl)phthalate	9.96	149	311418	10640.7640830 ppb		99
87)	Di-n-octyl phthalate	10.87	149	542170	10972.8637364 ppb		99
89)	Benzo(b)fluoranthene	11.69	252	335740m	9547.0235950 ppb		
90)	Benzo(k)fluoranthene	11.73	252	321305	9632.8010344 ppb		99
91)	Benzo(a)pyrene	12.26	252	319816	9582.2450577 ppb		97
92)	Indeno(1,2,3-cd)pyrene	14.09	276	372653	10337.5622504 ppb		98
93)	Dibenz(a,h)anthracene	14.12	278	298894	10539.4688703 ppb		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_02.D Vial: 2
Acq On : 9 Nov 2011 11:29 am Operator: 377
Sample : ICV SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 12:43 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_03.D Vial: 3
Acq On : 9 Nov 2011 11:49 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 12:11 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	68482	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	271304	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	156557	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	245361	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	215347	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	216284	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	5.35	99	1260	97.9662294 ppb	0.26
Spiked Amount 20.000	Range 10 - 63		Recovery = 489.83%#		
23) Nitrobenzene-d5	5.73	82	2273	152.5207072 ppb	0.08
Spiked Amount 10.000	Range 17 - 119		Recovery = 1525.21%#		
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-Nitrosodimethylamine	3.35	42	55	7.3265708 ppb	#	12
5) Aniline	0.00	93	0	N.D.		
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
8) Phenol	5.10	94	171	11.2792907 ppb	#	1
9) Benzaldehyde	5.10	105	97734	10682.9911319 ppb		98
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) n-Decane	5.27	41	62	8.0848768 ppb	#	42
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
14) Benzyl Alcohol	5.53	79	545	51.6682334 ppb	#	19
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) bis(2-Chloroisopropyl)ethe	5.57	121	3724	934.4682688 ppb	#	1
17) 2-Methylphenol	5.35	108	324	29.4991261 ppb	#	1
18) Hexachloroethane	0.00	117	0	N.D.		
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.		
20) 3&4-Methyl phenol	5.53	107	551	45.4051934 ppb	#	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_03.D Vial: 3
Acq On : 9 Nov 2011 11:49 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 12:11 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21) Acetophenone	5.57	105	155109	10066.0342207 ppb		98
24) Nitrobenzene	5.57	77	134989	9946.3972850 ppb	#	63
25) Isophorone	5.73	82	2273	93.2853233 ppb		63
26) 2-Nitrophenol	0.00	139	0	N.D.		
27) 2,4-Dimethylphenol	5.89	107	128	11.2558690 ppb	#	1
28) bis(2-Chlorethoxy)methane	5.90	93	219	15.0967267 ppb	#	1
29) 2,4-Dichlorophenol	0.00	162	0	N.D.		
30) Benzoic Acid	5.89	105	47802	10382.6847074 ppb		86
31) 1,2,4-Trichlorobenzene	6.05	180	330	29.9314257 ppb	#	80
32) Naphthalene	0.00	128	0	N.D.		
33) 4-Chloroaniline	6.10	65	884	186.3132178 ppb	#	1
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.		
35) Caprolactam	6.32	113	37368	10488.3215626 ppb		98
36) 4-Chloro-3-methylphenol	6.60	107	7446	693.1042861 ppb	#	23
37) 2-Methylnaphthalene	6.60	142	812	35.0589438 ppb	#	39
38) 1-Methylnaphthalene	6.60	142	812	34.4384923 ppb	#	37
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	104291	10390.2282691 ppb		99
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D.		
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D.		
45) Biphenyl	0.00	154	0	N.D.		
46) 2-Chloronaphthalene	0.00	162	0	N.D.		
47) 2-Nitroaniline	6.93	138	565	75.7609247 ppb	#	9
48) Acenaphthylene	0.00	152	0	N.D.		
49) Dimethyl phthalate	0.00	163	0	N.D.		
50) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
51) 3-Nitroaniline	6.99	138	120	20.4583996 ppb	#	1
52) Acenaphthene	0.00	153	0	N.D.		
53) 2,4-Dinitrophenol	0.00	184	0	N.D.		
54) Dibenzofuran	7.30	168	16238	507.5092820 ppb	#	44
55) 2,4-Dinitrotoluene	7.30	165	387	50.9207821 ppb	#	1
56) 2,3,4,6-Tetrachlorophenol	7.30	232	49433	10038.9519904 ppb		85
57) 4-Nitrophenol	0.00	139	0	N.D.		
58) Fluorene	0.00	166	0	N.D.		
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
60) Diethyl phthalate	7.32	149	136	4.9629720 ppb	#	63
62) Azobenzene	7.52	77	56	1.8969388 ppb	#	49

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_03.D Vial: 3
Acq On : 9 Nov 2011 11:49 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 12:11 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	Atrazine	7.77	200	70136	9500.7728659	ppb		98
65)	4,6-Dinitro-2-methylphenol	7.30	198	2416	666.5693661	ppb	#	35
66)	N-Nitrosodiphenylamine	7.30	169	5173	243.4334514	ppb	#	1
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.			
69)	Hexachlorobenzene	0.00	284	0	N.D.			
70)	n-octadecane	7.77	55	8431	1733.8718183	ppb	#	60
71)	Pentachlorophenol	7.87	266	3548	892.4437420	ppb		84
72)	Phenanthrene	8.00	178	83	2.2625357	ppb	#	1
73)	Anthracene	8.00	178	83	2.3617818	ppb	#	1
74)	Carbazole	0.00	167	0	N.D.			
75)	Di-n-butyl phthalate	8.26	149	129	2.7669981	ppb		78
76)	2-nitrodiphenylamine	8.40	167	90499	9559.4266222	ppb		97
77)	Fluoranthene	8.76	202	58	1.4725139	ppb	#	60
79)	Benzidine	8.82	184	202594	9916.8026639	ppb		99
80)	Pyrene	8.76	202	58	1.5072783	ppb	#	59
82)	Benzylbutyl phthalate	0.00	149	0	N.D.			
83)	3,3-Dichlorobenzidine	10.00	252	105568	9664.2111428	ppb		99
84)	Benzo(a)anthracene	10.10	228	483	14.3627443	ppb	#	1
85)	Chrysene	10.10	228	483	15.2482121	ppb	#	50
86)	bis(2-Ethylhexyl)phthalate	9.96	149	284	10.1759477	ppb	#	1
87)	Di-n-octyl phthalate	0.00	149	0	N.D.			
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.			
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.			
91)	Benzo(a)pyrene	12.34	252	742	23.6664454	ppb	#	1
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.			
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.			

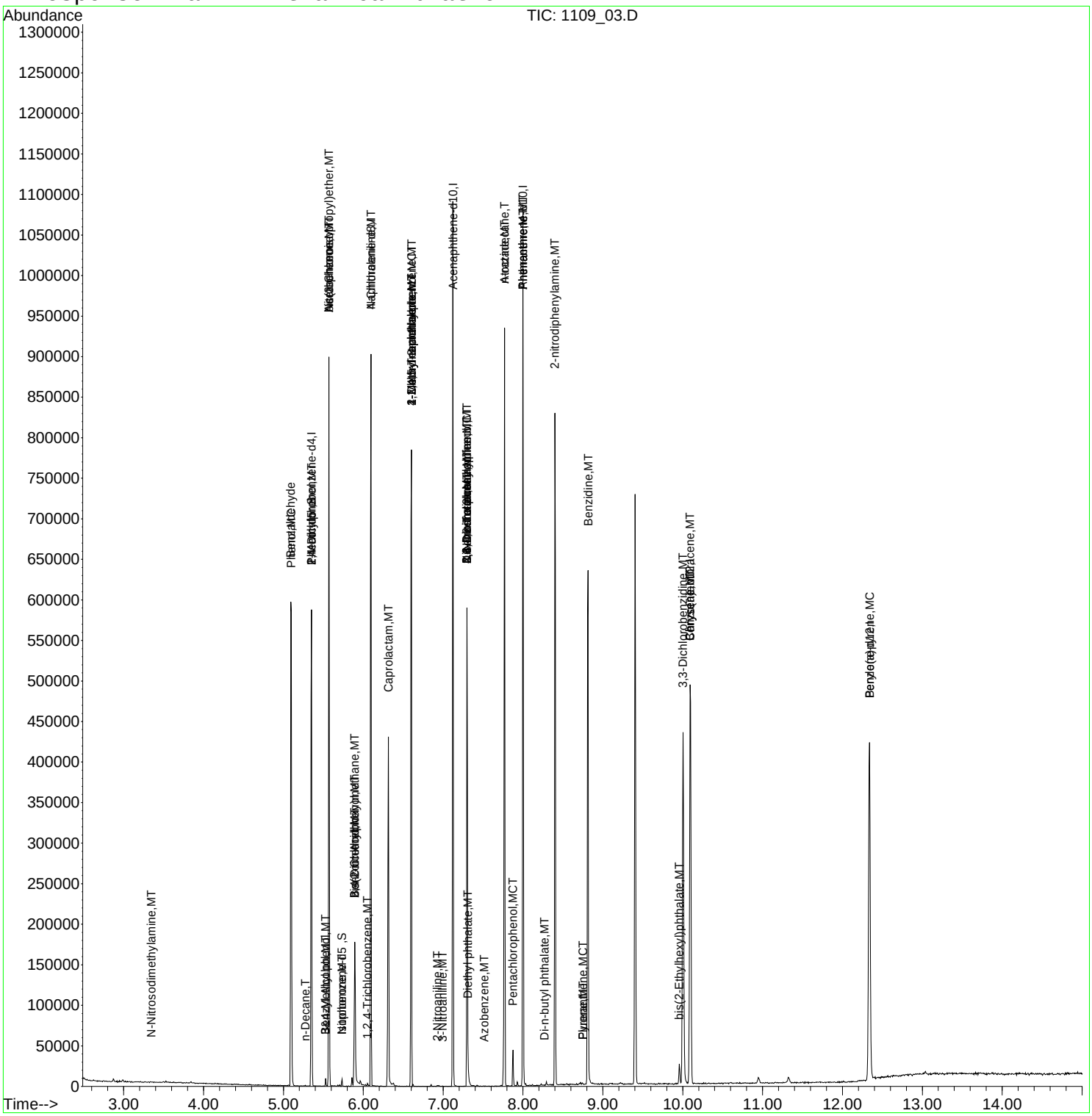
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_03.D Vial: 3
Acq On : 9 Nov 2011 11:49 am Operator: 377
Sample : ICV TCL 10000 ppb 11G20059 Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 9 12:11 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



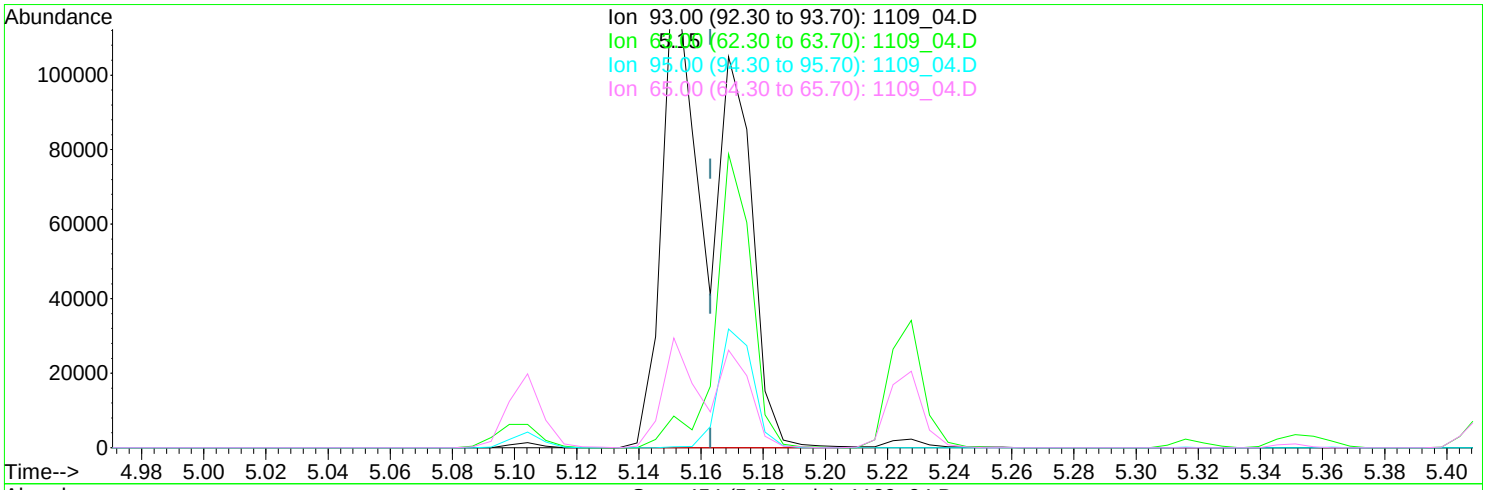
Quantitation Report (Qedit)

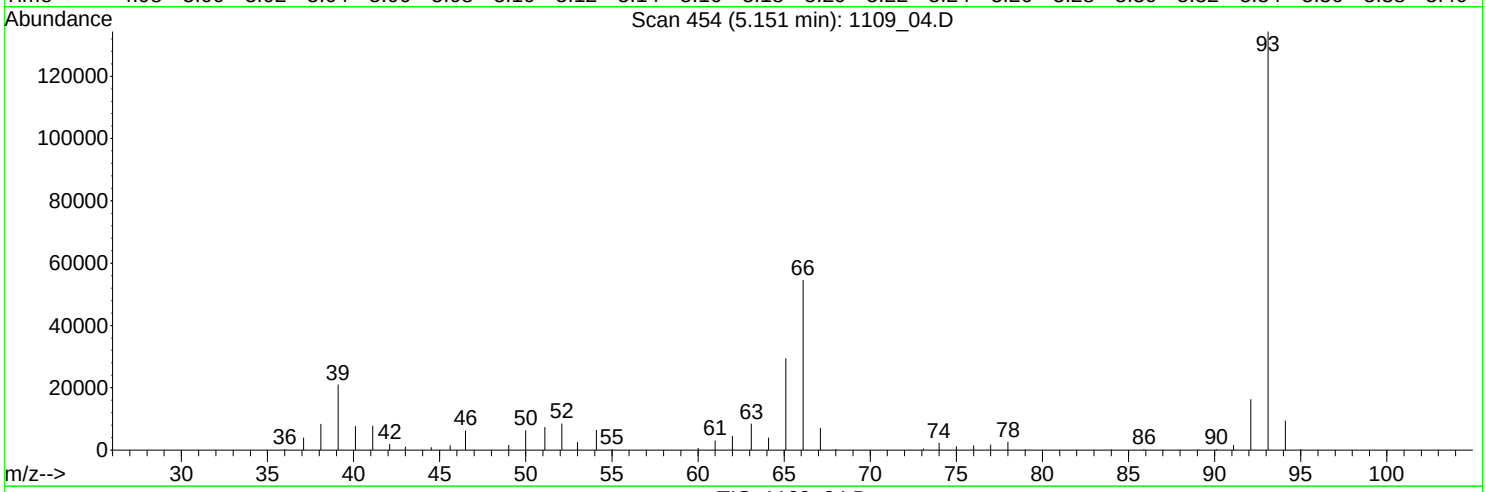
Data File : C:\MSDCHEM\1\DATA\110911\1109_04.D Vial: 4
Acq On : 9 Nov 2011 12:09 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 12:45 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_04.D

(6) bis(2-Chloroethyl)ether (MT)

5.15min (-0.012) 14.7268332 ppb

Qvalue = 40

response 177077

Ion	Exp%	Act%
93.00	100	100
63.00	72.50	6.34#
95.00	31.70	0.22#
65.00	23.80	21.81

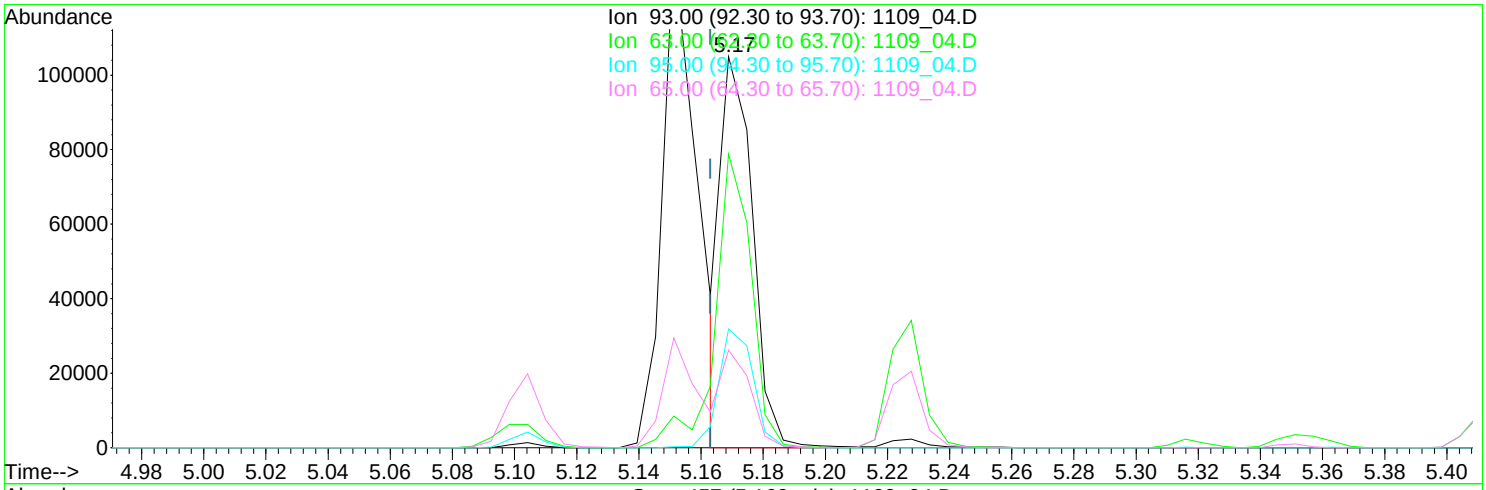
Quantitation Report (Qedit)

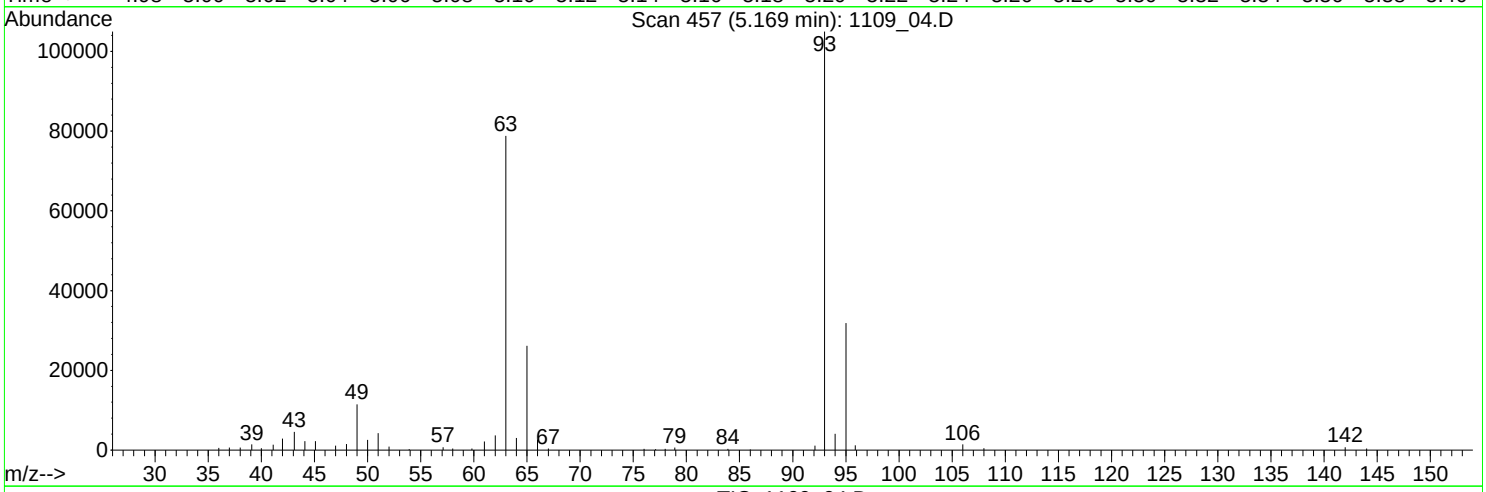
Data File : C:\MSDCHEM\1\DATA\110911\1109_04.D Vial: 4
Acq On : 9 Nov 2011 12:09 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:41 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_04.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.006) 6.1361736 ppb m

response 73782

Ion	Exp%	Act%
93.00	100	100
63.00	72.50	75.08
95.00	31.70	30.39
65.00	23.80	24.93

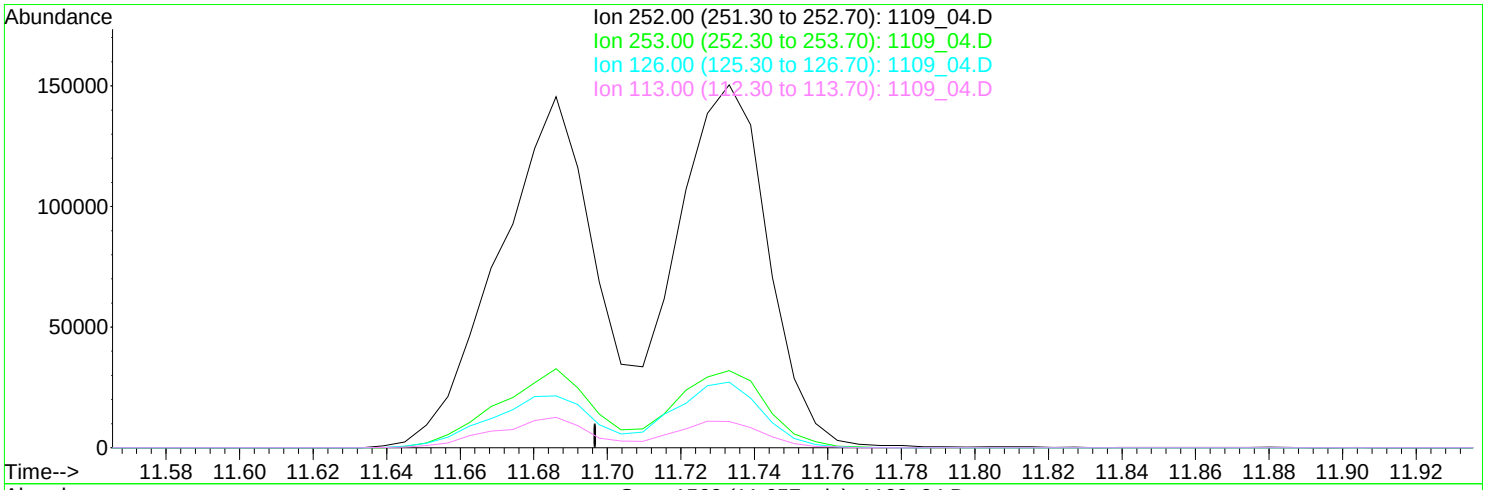
Quantitation Report (Qedit)

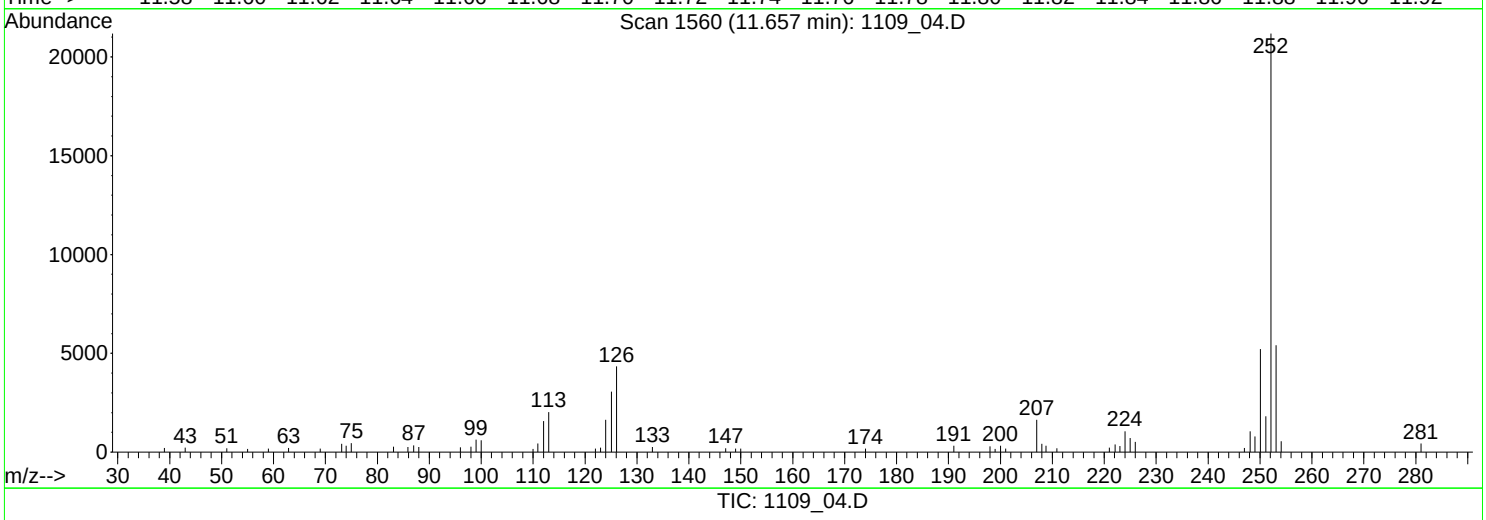
Data File : C:\MSDCHEM\1\DATA\110911\1109_04.D Vial: 4
Acq On : 9 Nov 2011 12:09 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:41 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

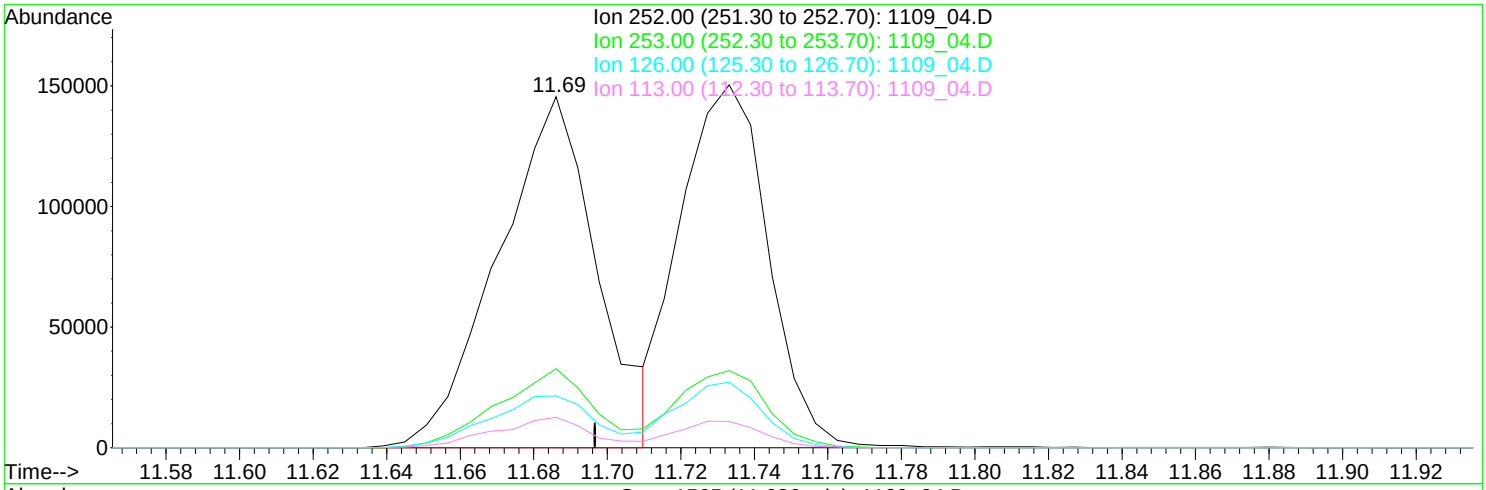
Quantitation Report (Qedit)

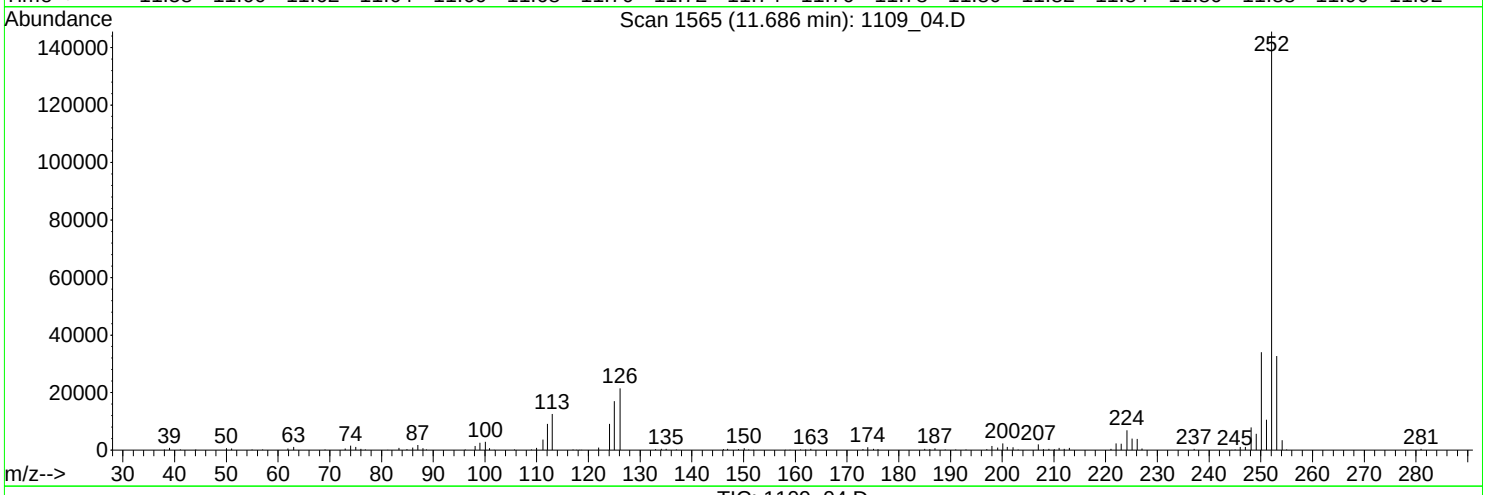
Data File : C:\MSDCHEM\1\DATA\110911\1109_04.D Vial: 4
Acq On : 9 Nov 2011 12:09 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:42 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_04.D

(89) Benzo(b)fluoranthene (MT)

11.69min (+0.029) 8.4517186 ppb m

response 271668

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.49
126.00	17.40	14.76
113.00	8.40	8.68

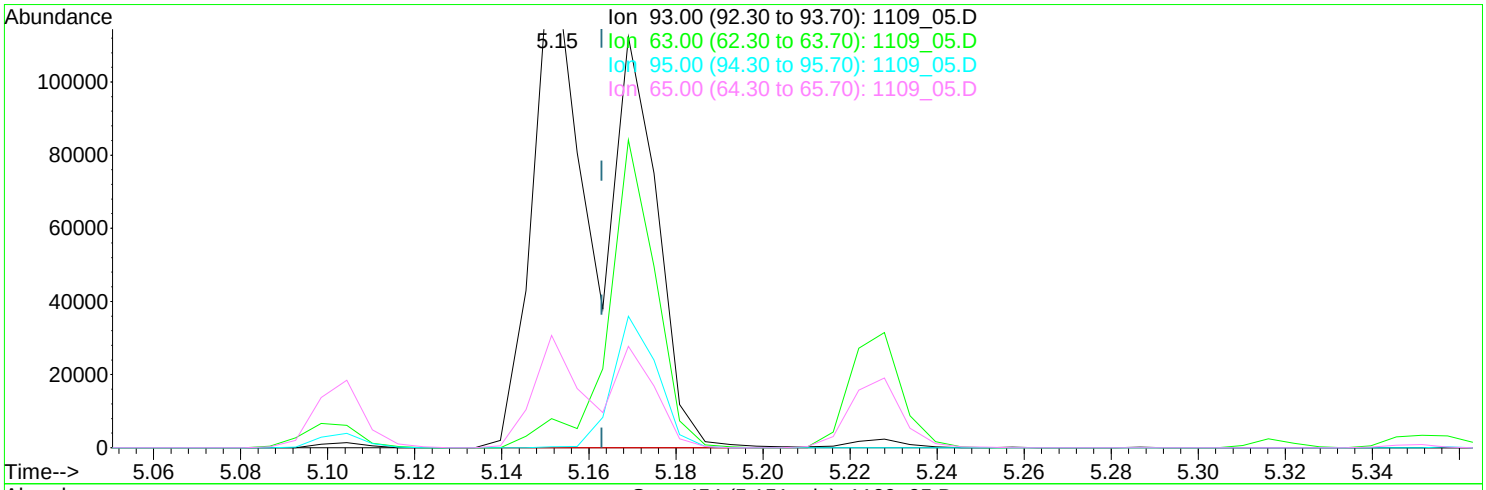
Quantitation Report (Qedit)

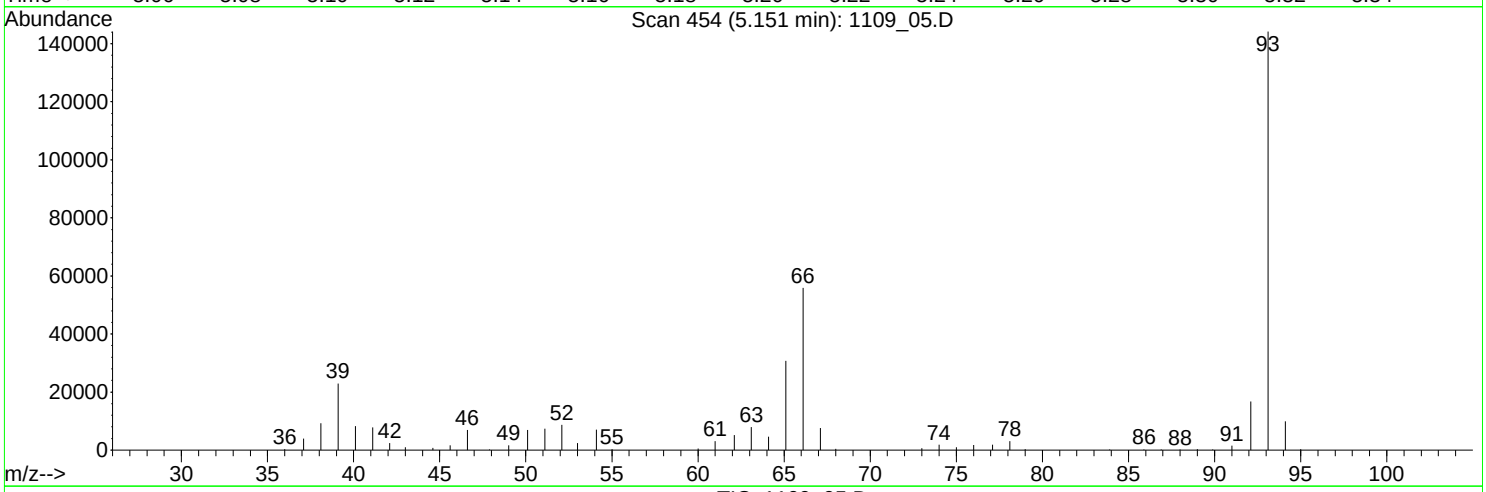
Data File : C:\MSDCHEM\1\DATA\110911\1109_05.D Vial: 5
Acq On : 9 Nov 2011 12:29 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 12:45 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_05.D

(6) bis(2-Chloroethyl)ether (MT)

5.15min (-0.012) 15.4797499 ppb

Qvalue = 40

response 180166

Ion	Exp%	Act%
93.00	100	100
63.00	72.50	5.54#
95.00	31.70	0.19#
65.00	23.80	21.32

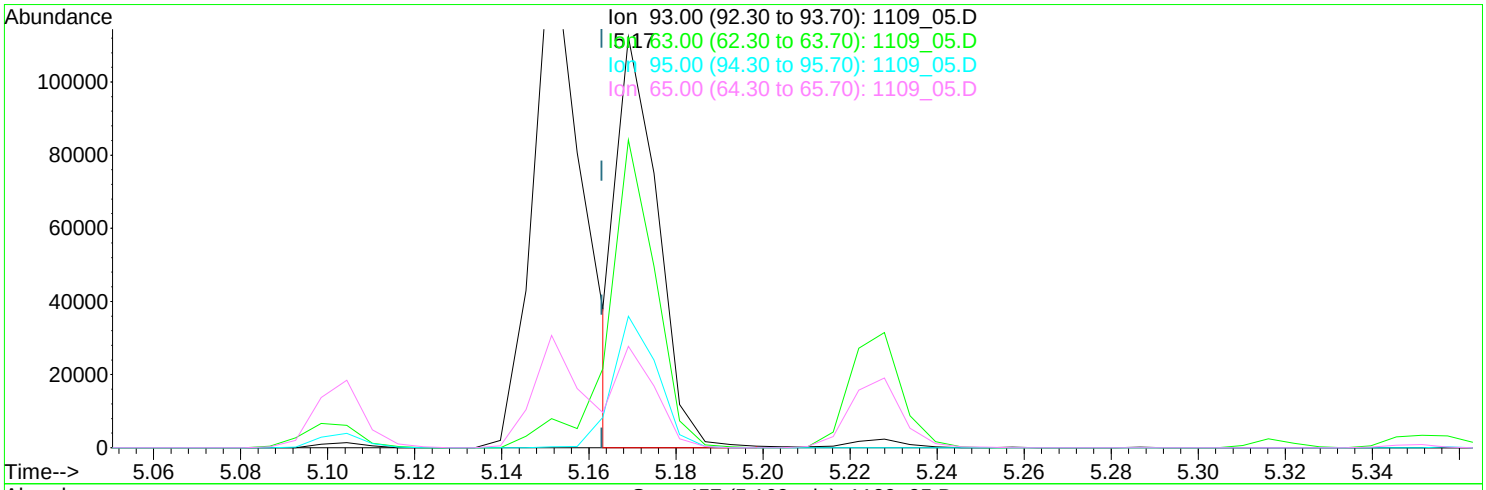
Quantitation Report (Qedit)

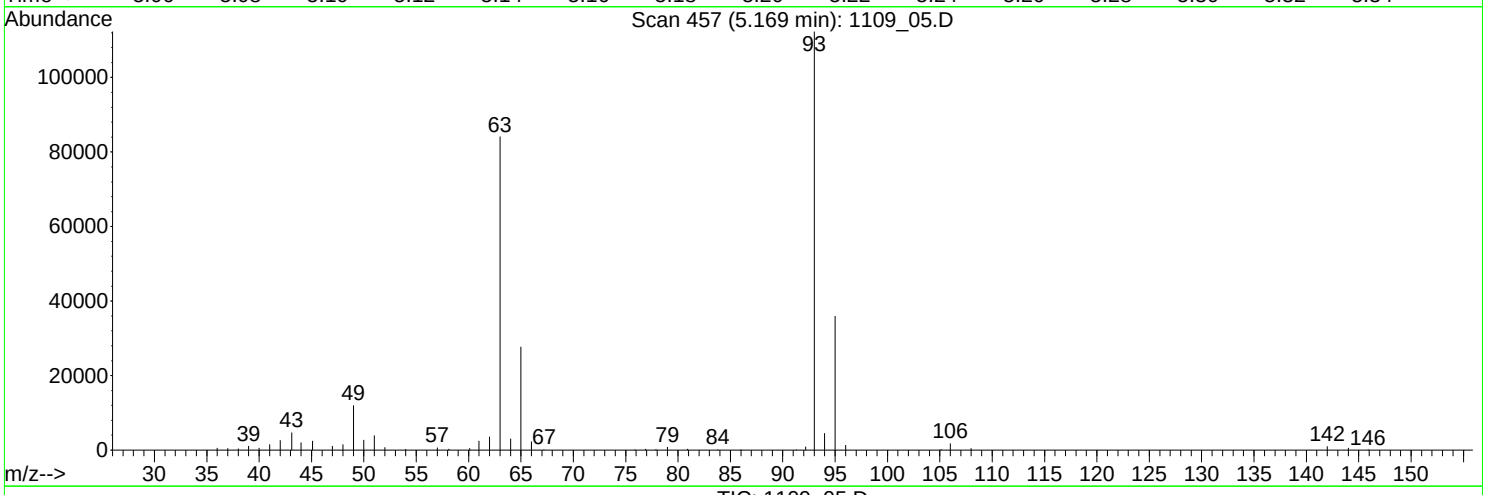
Data File : C:\MSDCHEM\1\DATA\110911\1109_05.D Vial: 5
Acq On : 9 Nov 2011 12:29 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_05.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.006) 6.1283712 ppb m

response 71327

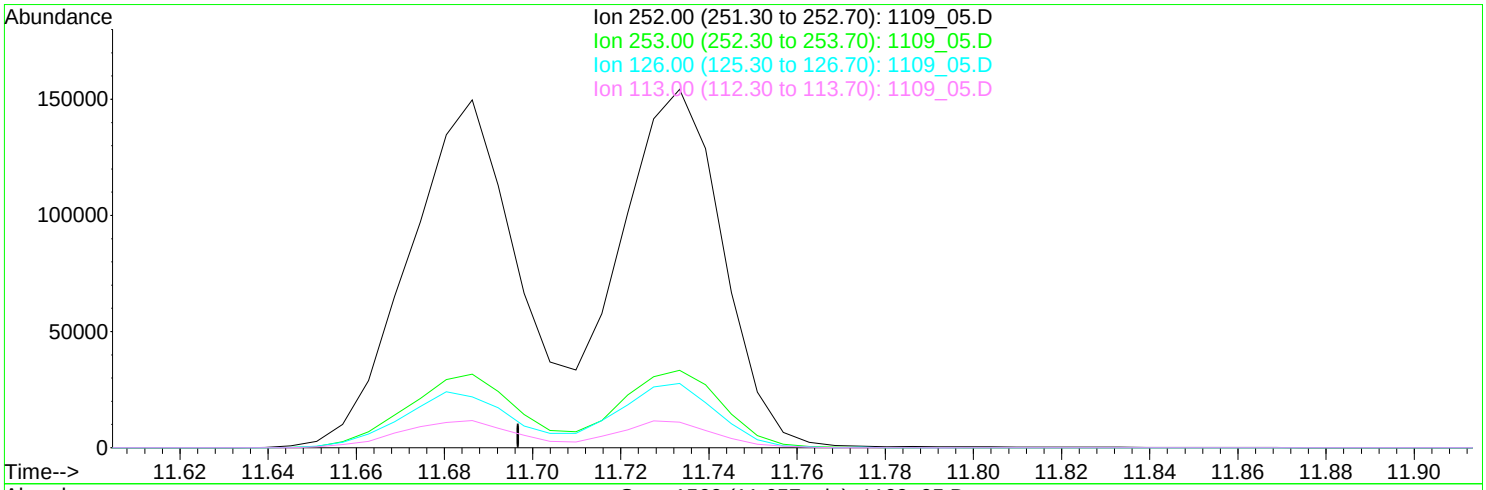
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	74.91
95.00	31.70	32.03
65.00	23.80	24.67

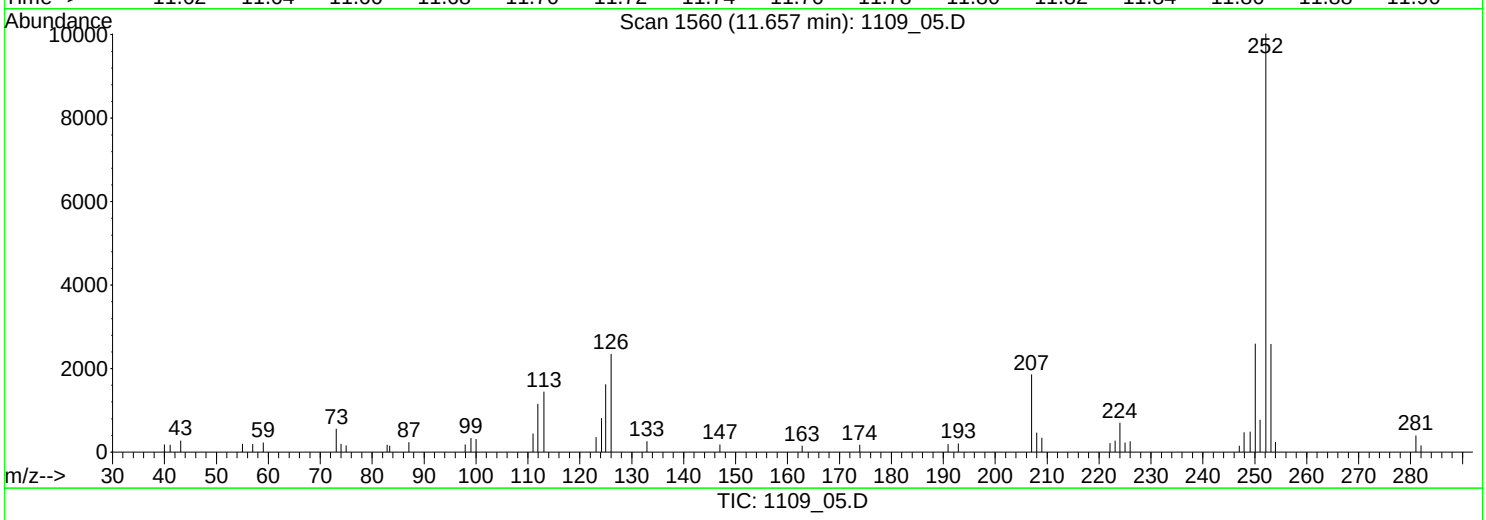
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110911\1109_05.D Vial: 5
Acq On : 9 Nov 2011 12:29 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

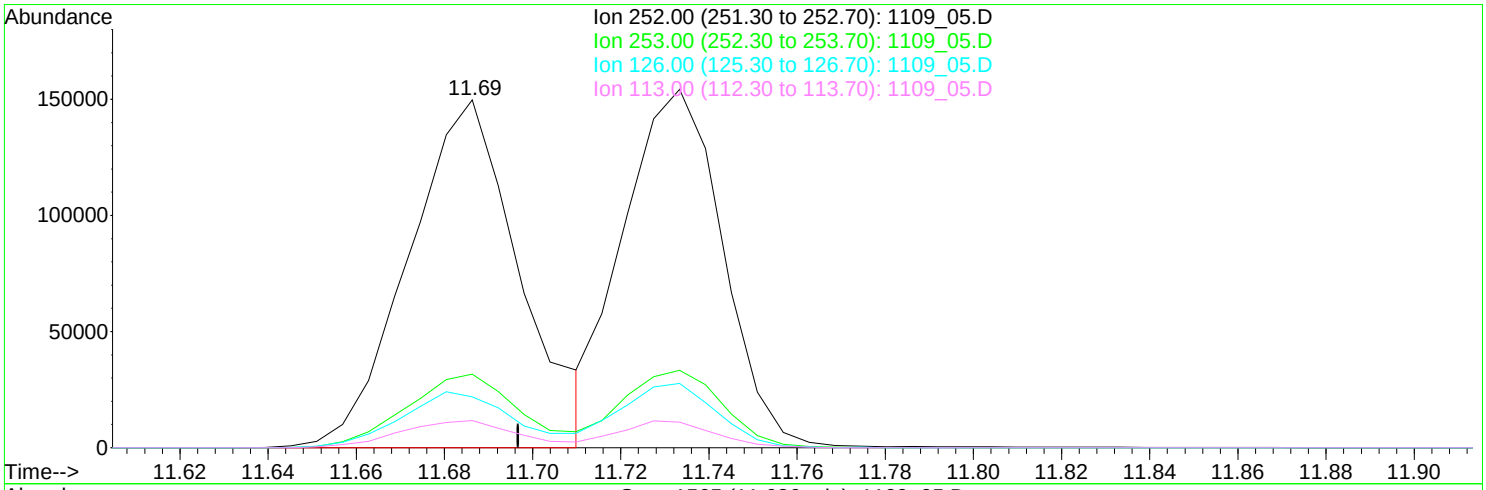
Quantitation Report (Qedit)

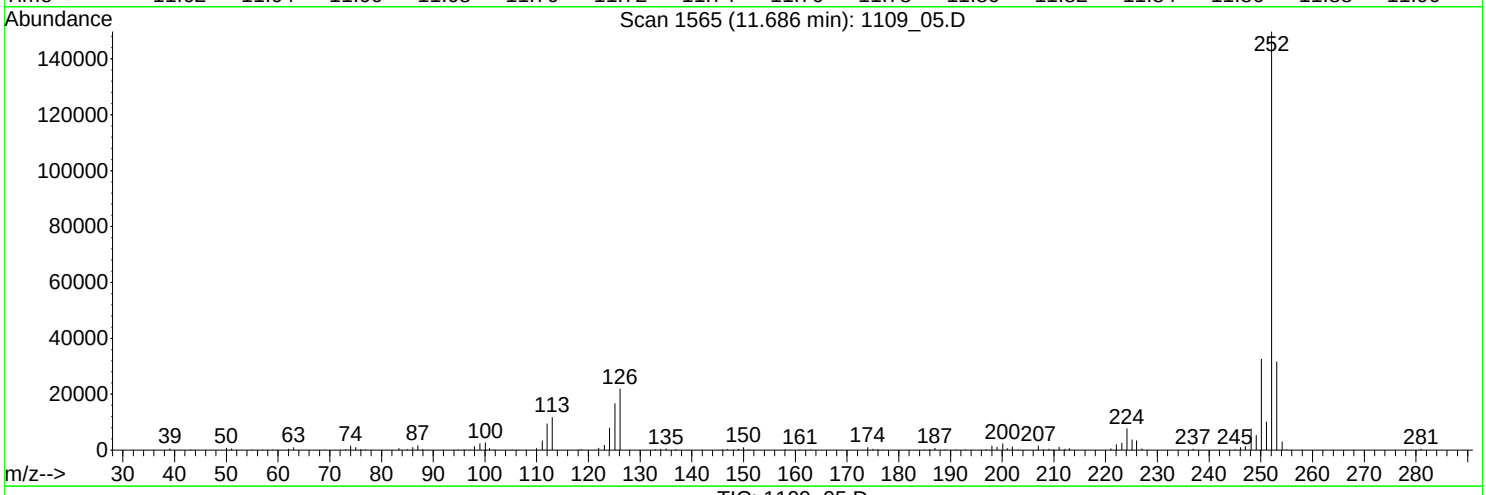
Data File : C:\MSDCHEM\1\DATA\110911\1109_05.D Vial: 5
Acq On : 9 Nov 2011 12:29 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1109_05.D

(89) Benzo(b)fluoranthene (MT)

11.69min (+0.030) 8.4733716 ppb m

response 260830

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.14
126.00	17.40	14.65
113.00	8.40	7.85

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_04.D Vial: 4
Acq On : 9 Nov 2011 12:09 pm Operator: 377
Sample : LCS 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:42 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	68065	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	258309	8000.00 ppb	0.00
40) Acenaphthene-d10	7.13	164	144519	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	229743	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	201202	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	210448	8000.00 ppb	0.01

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	93256	8.7278521 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 43.64%		
7) Phenol-d5	5.09	99	85502	6.6885920 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 33.44%		
23) Nitrobenzene-d5	5.67	82	93161	6.5656870 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 65.66%		
44) 2-Fluorobiphenyl	6.70	172	172419	7.1385227 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 71.39%		
67) 2,4,6-Tribromophenol	7.59	330	54430	18.0151783 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 90.08%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 95.29%		

Target Compounds					Qvalue
2) Pyridine	3.64	79	34065	2.8330925 ppb	98
3) N-Nitrosodimethylamine	3.60	42	25551	3.4245109 ppb	94
5) Aniline	5.15	93	103002	5.8672142 ppb	98
6) bis(2-Chloroethyl)ether	5.17	93	73782m	6.1361736 ppb	
8) Phenol	5.10	94	44568	2.9577496 ppb	96
9) Benzaldehyde	5.10	105	57633	6.3382740 ppb	97
10) 2-Chlorophenol	5.23	128	74409	6.2443713 ppb	95
11) n-Decane	5.22	41	44998	5.9037439 ppb	100
12) 1,3-Dichlorobenzene	5.32	146	72015	5.4105093 ppb	92
13) 1,4-Dichlorobenzene	5.36	146	71300	5.3431614 ppb	94
14) Benzyl Alcohol	5.41	79	61095	5.8275414 ppb	98
15) 1,2-Dichlorobenzene	5.45	146	69173	5.6004035 ppb	96
16) bis(2-Chloroisopropyl)ethe	5.48	121	25559	6.4528465 ppb	97
17) 2-Methylphenol	5.46	108	63422	5.8097395 ppb	98
18) Hexachloroethane	5.65	117	30240	5.4964171 ppb	91
19) N-Nitrosodi-n-propylamine	5.56	70	65867	7.2030778 ppb	98
20) 3&4-Methyl phenol	5.54	107	75545	6.2634302 ppb	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_04.D Vial: 4
Acq On : 9 Nov 2011 12:09 pm Operator: 377
Sample : LCS 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:42 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21) Acetophenone	5.57	105	108131	7.0603172	ppb		98
24) Nitrobenzene	5.68	77	84947	6.5740367	ppb		96
25) Isophorone	5.81	82	146973	6.3353134	ppb		92
26) 2-Nitrophenol	5.86	139	42353	7.4172510	ppb		89
27) 2,4-Dimethylphenol	5.85	107	75948	7.0145863	ppb		94
28) bis(2-Chlorethoxy)methane	5.91	93	102358	7.4110054	ppb		93
29) 2,4-Dichlorophenol	6.00	162	68607	7.4627041	ppb		95
30) Benzoic Acid	5.85	105	4134	3.3936274	ppb	#	1
31) 1,2,4-Trichlorobenzene	6.05	180	61349	5.8443688	ppb		99
32) Naphthalene	6.11	128	233934	6.7134550	ppb		97
33) 4-Chloroaniline	6.12	65	34039	7.5350277	ppb		98
34) Hexachloro-1,3-butadiene	6.16	225	37152	6.0275630	ppb		98
35) Caprolactam	6.32	113	6844	2.0175895	ppb		97
36) 4-Chloro-3-methylphenol	6.37	107	83582	8.1715599	ppb		98
37) 2-Methylnaphthalene	6.51	142	153350	6.9541369	ppb		99
38) 1-Methylnaphthalene	6.57	142	158017	7.0389612	ppb		99
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	66048	6.9112179	ppb		99
41) Hexachlorocyclopentadiene	6.59	237	34405	6.5765961	ppb		93
42) 2,4,6-Trichlorophenol	6.66	196	52382	7.9308142	ppb		91
43) 2,4,5-Trichlorophenol	6.68	196	56092	8.0962302	ppb		95
45) Biphenyl	6.77	154	191962	7.0906962	ppb		98
46) 2-Chloronaphthalene	6.80	162	152031	7.1833326	ppb		97
47) 2-Nitroaniline	6.84	138	57493	8.3514009	ppb		96
48) Acenaphthylene	7.05	152	255389	7.7418267	ppb		100
49) Dimethyl phthalate	6.92	163	208188	8.4007512	ppb		96
50) 2,6-Dinitrotoluene	6.97	165	44883	8.2249238	ppb	#	78
51) 3-Nitroaniline	7.07	138	44614	8.2396567	ppb		90
52) Acenaphthene	7.15	153	159125	7.4645965	ppb		99
53) 2,4-Dinitrophenol	7.13	184	11292	8.1025499	ppb	#	65
54) Dibenzofuran	7.24	168	222357	7.5285233	ppb		99
55) 2,4-Dinitrotoluene	7.20	165	60551	8.6308380	ppb		87
56) 2,3,4,6-Tetrachlorophenol	7.30	232	653	0.1436588	ppb		93
57) 4-Nitrophenol	7.14	139	14030	3.3232578	ppb		91
58) Fluorene	7.45	166	191638	7.8148386	ppb		98
59) 4-Chlorophenyl-phenylether	7.42	204	86533	7.7361466	ppb		84
60) Diethyl phthalate	7.32	149	227586	8.9969644	ppb		99
62) Azobenzene	7.52	77	211888	7.7753365	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_04.D Vial: 4
Acq On : 9 Nov 2011 12:09 pm Operator: 377
Sample : LCS 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:42 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	7.77	200	61797	9.0684461 ppb		98
65)	4,6-Dinitro-2-methylphenol	7.45	198	26632	7.8472131 ppb		83
66)	N-Nitrosodiphenylamine	7.49	169	163344	8.2092638 ppb		98
68)	4-Bromophenyl-phenylether	7.71	248	53169	8.0981418 ppb	#	84
69)	Hexachlorobenzene	7.77	284	52299	7.2210363 ppb		98
70)	n-octadecane	7.84	55	42678	9.3735738 ppb		99
71)	Pentachlorophenol	7.87	266	34019	7.3466096 ppb		94
72)	Phenanthrene	8.02	178	281370	8.1914047 ppb		97
73)	Anthracene	8.05	178	293181	8.9096522 ppb		99
74)	Carbazole	8.12	167	265070	8.5402555 ppb		99
75)	Di-n-butyl phthalate	8.27	149	398546	9.1297914 ppb		99
76)	2-nitrodiphenylamine	8.40	167	83523	9.4223101 ppb		97
77)	Fluoranthene	8.76	202	308895	8.3753995 ppb		99
79)	Benzidine	8.82	184	54274	2.8434360 ppb		99
80)	Pyrene	8.94	202	315700	8.7810521 ppb		99
82)	Benzylbutyl phthalate	9.38	149	172472	9.6591075 ppb		99
83)	3,3-Dichlorobenzidine	10.00	252	81737	8.0086505 ppb		99
84)	Benzo(a)anthracene	10.09	228	275624	8.7723078 ppb		98
85)	Chrysene	10.13	228	255439	8.6310877 ppb		98
86)	bis(2-Ethylhexyl)phthalate	9.96	149	257528	9.8761463 ppb		99
87)	Di-n-octyl phthalate	10.88	149	437369	9.9349676 ppb		99
89)	Benzo(b)fluoranthene	11.69	252	271668m	8.4517186 ppb		
90)	Benzo(k)fluoranthene	11.73	252	250698	8.2229492 ppb		98
91)	Benzo(a)pyrene	12.26	252	246298	8.0736442 ppb		98
92)	Indeno(1,2,3-cd)pyrene	14.09	276	300397	9.1169745 ppb		99
94)	Benzo(g,h,i)perylene	14.61	276	258133	9.3866397 ppb		99

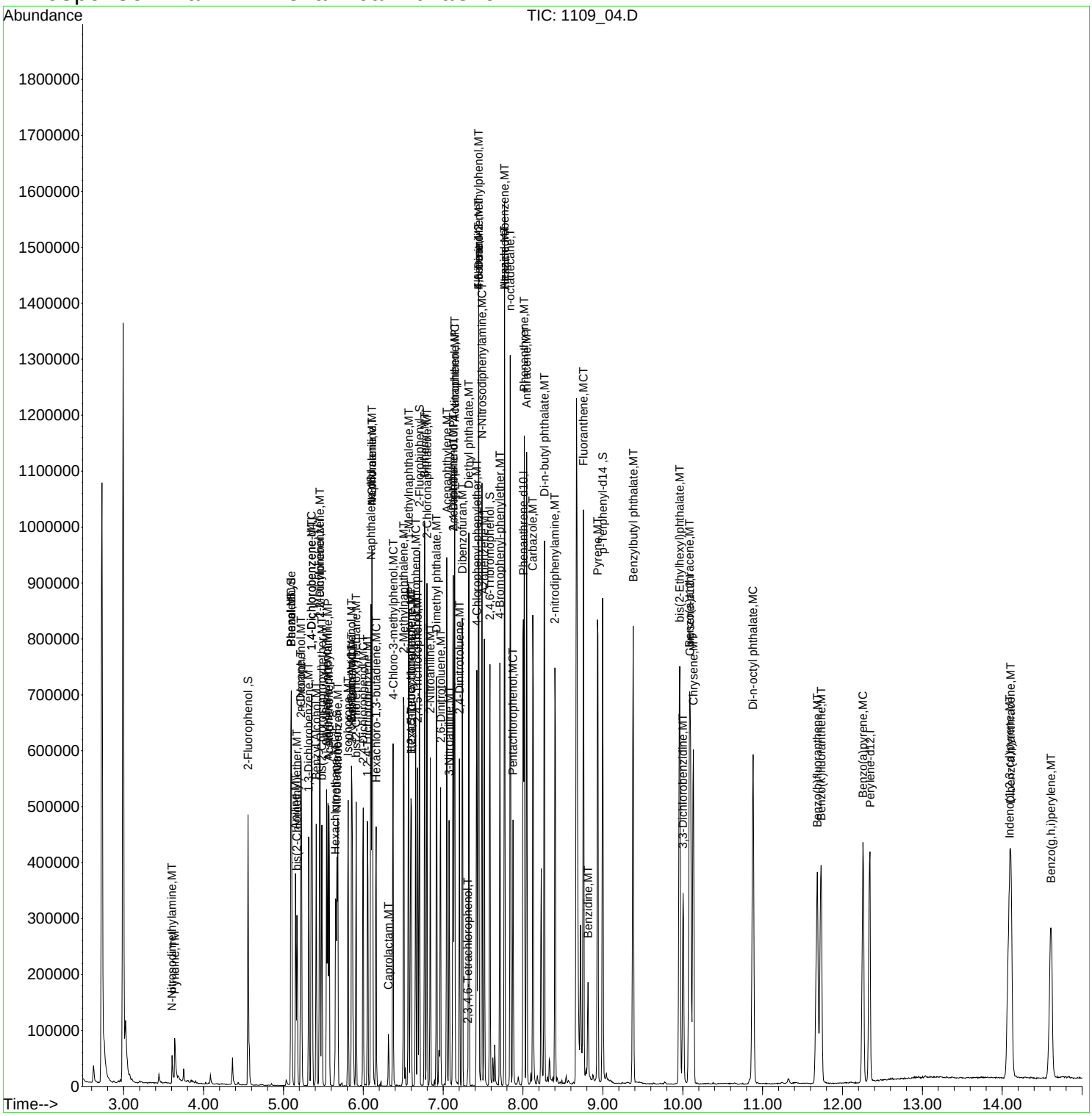
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_04.D Vial: 4
Acq On : 9 Nov 2011 12:09 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_05.D Vial: 5
Acq On : 9 Nov 2011 12:29 pm Operator: 377
Sample : LCSD 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:43 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	65884	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	254800	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	148045	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	239941	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	207878	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	201536	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	91066	8.8050281 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 44.03%		
7) Phenol-d5	5.09	99	83340	6.7352826 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 33.68%		
23) Nitrobenzene-d5	5.67	82	98921	7.0676437 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 70.68%		
44) 2-Fluorobiphenyl	6.70	172	196323	7.9346104 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 79.35%		
67) 2,4,6-Tribromophenol	7.59	330	53146	16.8425807 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 84.21%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 91.02%		

Target Compounds					Qvalue
2) Pyridine	3.64	79	32403	2.7840785 ppb	99
3) N-Nitrosodimethylamine	3.60	42	25736	3.5634904 ppb	93
5) Aniline	5.15	93	108650	6.3938127 ppb	96
6) bis(2-Chloroethyl)ether	5.17	93	71327m	6.1283712 ppb	
8) Phenol	5.10	94	44279	3.0358476 ppb	98
9) Benzaldehyde	5.10	105	58036	6.5938816 ppb	97
10) 2-Chlorophenol	5.23	128	73071	6.3350813 ppb	96
11) n-Decane	5.22	41	43220	5.8581833 ppb	98
12) 1,3-Dichlorobenzene	5.32	146	69520	5.3959614 ppb	95
13) 1,4-Dichlorobenzene	5.36	146	71657	5.5476784 ppb	94
14) Benzyl Alcohol	5.41	79	60483	5.9601462 ppb	97
15) 1,2-Dichlorobenzene	5.45	146	70061	5.8600717 ppb	96
16) bis(2-Chloroisopropyl)ethe	5.48	121	26898	7.0157055 ppb	94
17) 2-Methylphenol	5.46	108	62869	5.9497288 ppb	99
18) Hexachloroethane	5.65	117	29629	5.5636369 ppb	94
19) N-Nitrosodi-n-propylamine	5.56	70	68629	7.7535712 ppb	97
20) 3&4-Methyl phenol	5.54	107	77420	6.6313748 ppb	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_05.D Vial: 5
Acq On : 9 Nov 2011 12:29 pm Operator: 377
Sample : LCSD 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:43 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21) Acetophenone	5.57	105	114838	7.7464639	ppb		98
24) Nitrobenzene	5.68	77	92451	7.2533028	ppb		95
25) Isophorone	5.81	82	156214	6.8263824	ppb		92
26) 2-Nitrophenol	5.86	139	43499	7.7228605	ppb		87
27) 2,4-Dimethylphenol	5.85	107	78834	7.3814112	ppb		94
28) bis(2-Chlorethoxy)methane	5.91	93	109509	8.0379493	ppb		94
29) 2,4-Dichlorophenol	6.00	162	72314	7.9742582	ppb		97
30) Benzoic Acid	5.85	105	2779	3.1605174	ppb	#	1
31) 1,2,4-Trichlorobenzene	6.05	180	64975	6.2750404	ppb		99
32) Naphthalene	6.11	128	240282	6.9905941	ppb		94
33) 4-Chloroaniline	6.12	65	36504	8.1919752	ppb		97
34) Hexachloro-1,3-butadiene	6.16	225	39477	6.4929763	ppb		97
35) Caprolactam	6.32	113	6562	1.9610973	ppb		98
36) 4-Chloro-3-methylphenol	6.37	107	87493	8.6717277	ppb		98
37) 2-Methylnaphthalene	6.50	142	173094	7.9575905	ppb		99
38) 1-Methylnaphthalene	6.57	142	160103	7.2301007	ppb		97
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	68606	7.2777499	ppb		97
41) Hexachlorocyclopentadiene	6.59	237	37037	6.9110910	ppb		93
42) 2,4,6-Trichlorophenol	6.66	196	53944	7.9727850	ppb	#	88
43) 2,4,5-Trichlorophenol	6.68	196	57757	8.1380013	ppb		99
45) Biphenyl	6.77	154	210377	7.5858295	ppb		98
46) 2-Chloronaphthalene	6.80	162	161018	7.4267611	ppb		95
47) 2-Nitroaniline	6.84	138	60418	8.5672593	ppb		96
48) Acenaphthylene	7.05	152	266088	7.8740424	ppb		100
49) Dimethyl phthalate	6.92	163	198993	7.8384723	ppb		99
50) 2,6-Dinitrotoluene	6.97	165	47193	8.4422614	ppb	#	75
51) 3-Nitroaniline	7.07	138	46047	8.3017662	ppb		95
52) Acenaphthene	7.15	153	169857	7.7782621	ppb		99
53) 2,4-Dinitrophenol	7.13	184	8600	7.1272519	ppb	#	53
54) Dibenzofuran	7.25	168	236033	7.8012272	ppb		99
55) 2,4-Dinitrotoluene	7.20	165	59373	8.2613656	ppb		85
56) 2,3,4,6-Tetrachlorophenol	7.30	232	580	0.1245599	ppb		97
57) 4-Nitrophenol	7.14	139	13257	3.0653694	ppb	#	87
58) Fluorene	7.45	166	202071	8.0440280	ppb		99
59) 4-Chlorophenyl-phenylether	7.42	204	90322	7.8825672	ppb	#	82
60) Diethyl phthalate	7.32	149	222050	8.5690454	ppb		99
62) Azobenzene	7.52	77	218917	7.8419401	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_05.D Vial: 5
Acq On : 9 Nov 2011 12:29 pm Operator: 377
Sample : LCSD 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:43 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	Atrazine	7.77	200	61113	8.7544787	ppb		99
65)	4,6-Dinitro-2-methylphenol	7.45	198	26030	7.3438476	ppb	#	77
66)	N-Nitrosodiphenylamine	7.49	169	173727	8.3599979	ppb		98
68)	4-Bromophenyl-phenylether	7.71	248	55220	8.0530633	ppb		88
69)	Hexachlorobenzene	7.77	284	53008	7.0078594	ppb		98
70)	n-octadecane	7.84	55	40273	8.4694059	ppb		99
71)	Pentachlorophenol	7.87	266	29349	6.1024475	ppb		93
72)	Phenanthrene	8.02	178	294402	8.2065227	ppb		99
73)	Anthracene	8.05	178	283799	8.2579760	ppb		100
74)	Carbazole	8.12	167	258755	7.9824620	ppb		99
75)	Di-n-butyl phthalate	8.27	149	392135	8.6011364	ppb		99
76)	2-nitrodiphenylamine	8.40	167	81944	8.8512843	ppb		97
77)	Fluoranthene	8.76	202	311444	8.0856036	ppb		100
79)	Benzidine	8.82	184	94634	4.7986888	ppb		99
80)	Pyrene	8.94	202	317920	8.5588139	ppb		99
82)	Benzylbutyl phthalate	9.38	149	163733	8.8752048	ppb		98
83)	3,3-Dichlorobenzidine	10.01	252	87451	8.2933347	ppb		98
84)	Benzo(a)anthracene	10.09	228	268848	8.2818509	ppb		99
85)	Chrysene	10.13	228	255763	8.3644966	ppb		98
86)	bis(2-Ethylhexyl)phthalate	9.96	149	251067	9.3191533	ppb		98
87)	Di-n-octyl phthalate	10.88	149	418540	9.2019357	ppb		100
89)	Benzo(b)fluoranthene	11.69	252	260830m	8.4733716	ppb		
90)	Benzo(k)fluoranthene	11.73	252	243384	8.3360619	ppb		98
91)	Benzo(a)pyrene	12.26	252	239695	8.2046463	ppb		98
92)	Indeno(1,2,3-cd)pyrene	14.09	276	284124	9.0044095	ppb		99
94)	Benzo(g,h,i)perylene	14.61	276	246963	9.3775779	ppb		98

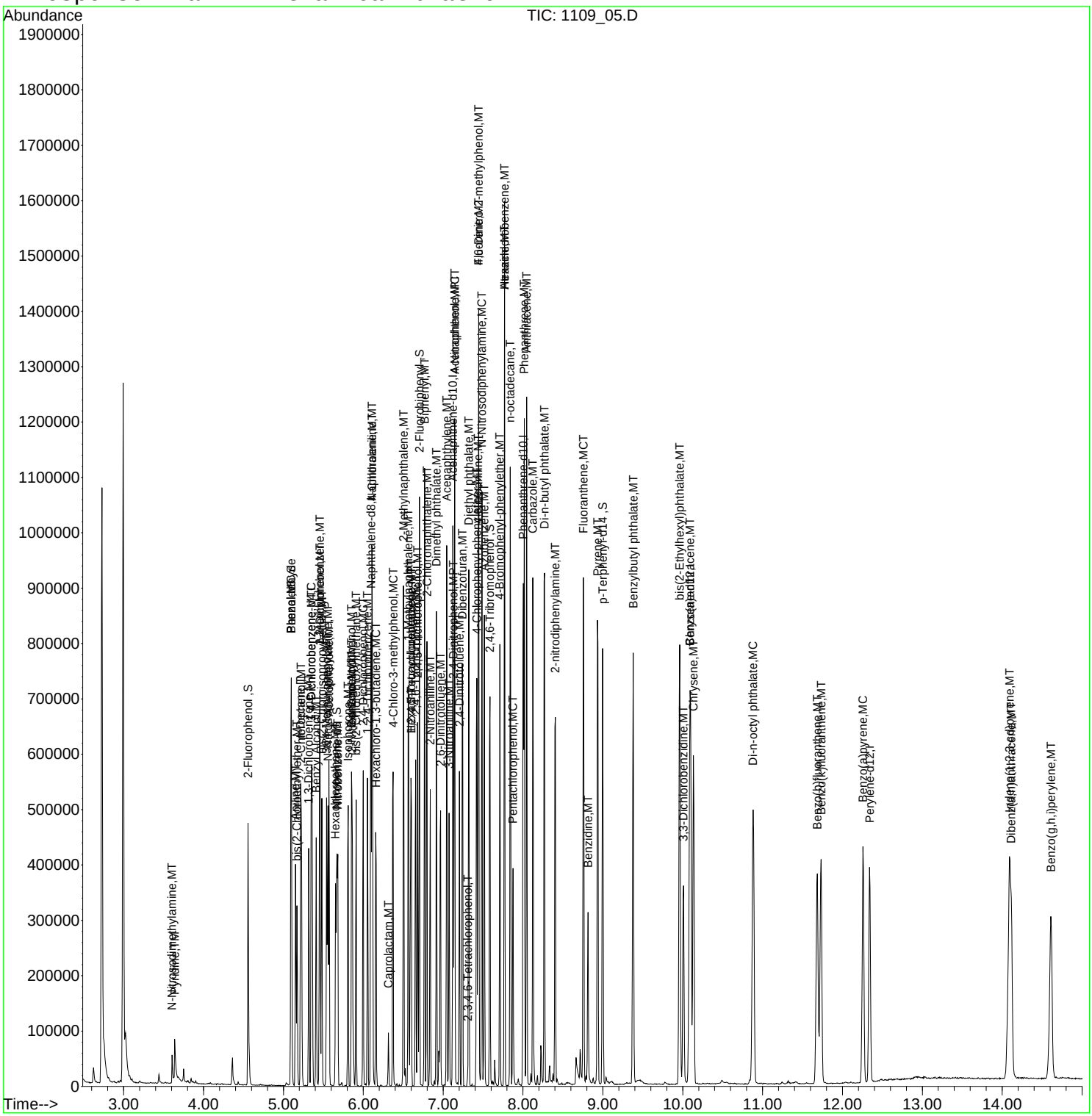
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_05.D Vial: 5
Acq On : 9 Nov 2011 12:29 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_06.D Vial: 6
Acq On : 9 Nov 2011 12:49 pm Operator: 377
Sample : BLANK 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:49 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	65091	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	253657	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	137189	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	220284	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	191543	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	196076	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	87583	8.5714307 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 42.86%		
7) Phenol-d5	5.09	99	82041	6.7110780 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 33.56%		
23) Nitrobenzene-d5	5.67	82	83058	5.9610146 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 59.61%		
44) 2-Fluorobiphenyl	6.70	172	172627	7.5290053 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 75.29%		
67) 2,4,6-Tribromophenol	7.59	330	46561	16.0724419 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 80.36%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 96.51%		

Target Compounds				Qvalue
2) Pyridine	0.00	79	0	N.D.
3) N-Nitrosodimethylamine	3.64	42	53	N.D.
5) Aniline	0.00	93	0	N.D.
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.
8) Phenol	5.10	94	84	N.D.
9) Benzaldehyde	5.10	105	97	N.D.
10) 2-Chlorophenol	0.00	128	0	N.D.
11) n-Decane	5.22	41	2993	N.D.
12) 1,3-Dichlorobenzene	5.36	146	57	N.D.
13) 1,4-Dichlorobenzene	5.36	146	57	N.D.
14) Benzyl Alcohol	0.00	79	0	N.D.
15) 1,2-Dichlorobenzene	5.36	146	57	N.D.
16) bis(2-Chloroisopropyl)ethe	5.64	121	85	N.D.
17) 2-Methylphenol	5.35	108	280	N.D.
18) Hexachloroethane	0.00	117	0	N.D.
19) N-Nitrosodi-n-propylamine	5.35	70	128	N.D.
20) 3&4-Methyl phenol	0.00	107	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_06.D Vial: 6
Acq On : 9 Nov 2011 12:49 pm Operator: 377
Sample : BLANK 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:49 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	Acetophenone	5.57	105	922	N.D.	
24)	Nitrobenzene	5.67	77	224	N.D.	
25)	Isophorone	0.00	82	0	N.D.	
26)	2-Nitrophenol	0.00	139	0	N.D.	
27)	2,4-Dimethylphenol	6.10	107	2000	N.D.	
28)	bis(2-Chlorethoxy)methane	6.10	93	67	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	0.00	105	0	N.D.	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.11	128	238	N.D.	
33)	4-Chloroaniline	6.10	65	662	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	5.67	113	53	N.D.	
36)	4-Chloro-3-methylphenol	6.10	107	2000	N.D.	
37)	2-Methylnaphthalene	0.00	142	0	N.D.	
38)	1-Methylnaphthalene	0.00	142	0	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.77	154	192	N.D.	
46)	2-Chloronaphthalene	6.76	162	159	N.D.	
47)	2-Nitroaniline	6.92	138	477	N.D.	
48)	Acenaphthylene	0.00	152	0	N.D.	
49)	Dimethyl phthalate	7.01	163	142	N.D.	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	6.96	138	65	N.D.	
52)	Acenaphthene	0.00	153	0	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D.	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	0.00	139	0	N.D.	
58)	Fluorene	7.58	166	2438	N.D.	
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.32	149	142	N.D.	
61)	4-Nitroaniline	0.00	138	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_06.D Vial: 6
Acq On : 9 Nov 2011 12:49 pm Operator: 377
Sample : BLANK 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:49 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	Atrazine	0.00	200	0	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.58	169	1793	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.84	55	623	N.D.	
71)	Pentachlorophenol	0.00	266	0	N.D.	
72)	Phenanthrene	8.02	178	280	N.D.	
73)	Anthracene	8.02	178	280	N.D.	
74)	Carbazole	0.00	167	0	N.D.	
75)	Di-n-butyl phthalate	8.26	149	14499	N.D.	
76)	2-nitrodiphenylamine	0.00	167	0	N.D.	
77)	Fluoranthene	8.93	202	55	N.D.	
79)	Benzidine	0.00	184	0	N.D.	
80)	Pyrene	8.93	202	55	N.D.	
82)	Benzylbutyl phthalate	0.00	149	0	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	10.09	228	547	N.D.	
85)	Chrysene	10.09	228	547	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.96	149	6302	N.D.	
87)	Di-n-octyl phthalate	10.89	149	54	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.34	252	826	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	

(#) = qualifier out of range (m) = manual integration

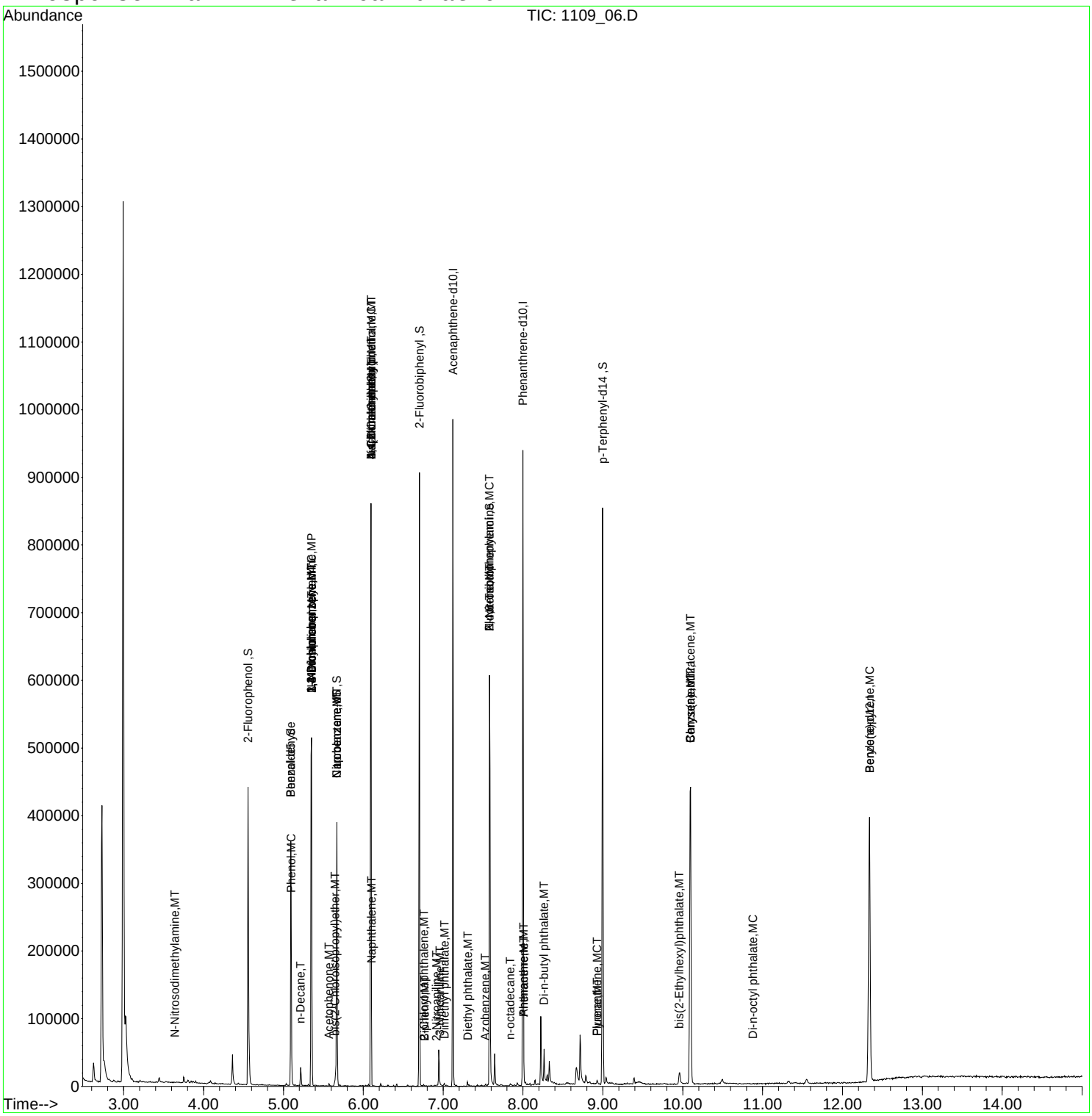
Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_06.D Vial: 6
Acq On : 9 Nov 2011 12:49 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:49 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_06.D Vial: 6
Acq On : 9 Nov 2011 12:49 pm Operator: 377
Sample : BLANK 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:49 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	65091	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	253657	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	137189	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	220284	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	191543	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	196076	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	87583	8.5714307 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 42.86%		
7) Phenol-d5	5.09	99	82041	6.7110780 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 33.56%		
23) Nitrobenzene-d5	5.67	82	83058	5.9610146 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 59.61%		
44) 2-Fluorobiphenyl	6.70	172	172627	7.5290053 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 75.29%		
67) 2,4,6-Tribromophenol	7.59	330	46561	16.0724419 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 80.36%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 96.51%		

Target Compounds				Qvalue
2) Pyridine	0.00	79	0	N.D.
3) N-Nitrosodimethylamine	3.64	42	53	N.D.
5) Aniline	0.00	93	0	N.D.
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.
8) Phenol	5.10	94	84	N.D.
9) Benzaldehyde	5.10	105	97	N.D.
10) 2-Chlorophenol	0.00	128	0	N.D.
11) n-Decane	5.22	41	2993	N.D.
12) 1,3-Dichlorobenzene	5.36	146	57	N.D.
13) 1,4-Dichlorobenzene	5.36	146	57	N.D.
14) Benzyl Alcohol	0.00	79	0	N.D.
15) 1,2-Dichlorobenzene	5.36	146	57	N.D.
16) bis(2-Chloroisopropyl)ethe	5.64	121	85	N.D.
17) 2-Methylphenol	5.35	108	280	N.D.
18) Hexachloroethane	0.00	117	0	N.D.
19) N-Nitrosodi-n-propylamine	5.35	70	128	N.D.
20) 3&4-Methyl phenol	0.00	107	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_06.D Vial: 6
Acq On : 9 Nov 2011 12:49 pm Operator: 377
Sample : BLANK 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:49 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	Acetophenone	5.57	105	922	N.D.	
24)	Nitrobenzene	5.67	77	224	N.D.	
25)	Isophorone	0.00	82	0	N.D.	
26)	2-Nitrophenol	0.00	139	0	N.D.	
27)	2,4-Dimethylphenol	6.10	107	2000	N.D.	
28)	bis(2-Chlorethoxy)methane	6.10	93	67	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	0.00	105	0	N.D.	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.11	128	238	N.D.	
33)	4-Chloroaniline	6.10	65	662	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	5.67	113	53	N.D.	
36)	4-Chloro-3-methylphenol	6.10	107	2000	N.D.	
37)	2-Methylnaphthalene	0.00	142	0	N.D.	
38)	1-Methylnaphthalene	0.00	142	0	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	6.77	154	192	N.D.	
46)	2-Chloronaphthalene	6.76	162	159	N.D.	
47)	2-Nitroaniline	6.92	138	477	N.D.	
48)	Acenaphthylene	0.00	152	0	N.D.	
49)	Dimethyl phthalate	7.01	163	142	N.D.	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	6.96	138	65	N.D.	
52)	Acenaphthene	0.00	153	0	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D.	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57)	4-Nitrophenol	0.00	139	0	N.D.	
58)	Fluorene	7.58	166	2438	N.D.	
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.32	149	142	N.D.	
61)	4-Nitroaniline	0.00	138	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_06.D Vial: 6
Acq On : 9 Nov 2011 12:49 pm Operator: 377
Sample : BLANK 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:49 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	Atrazine	0.00	200	0	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	7.58	169	1793	N.D.	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.84	55	623	N.D.	
71)	Pentachlorophenol	0.00	266	0	N.D.	
72)	Phenanthrene	8.02	178	280	N.D.	
73)	Anthracene	8.02	178	280	N.D.	
74)	Carbazole	0.00	167	0	N.D.	
75)	Di-n-butyl phthalate	8.26	149	14499	N.D.	
76)	2-nitrodiphenylamine	0.00	167	0	N.D.	
77)	Fluoranthene	8.93	202	55	N.D.	
79)	Benzidine	0.00	184	0	N.D.	
80)	Pyrene	8.93	202	55	N.D.	
82)	Benzylbutyl phthalate	0.00	149	0	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	10.09	228	547	N.D.	
85)	Chrysene	10.09	228	547	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.96	149	6302	N.D.	
87)	Di-n-octyl phthalate	10.89	149	54	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.34	252	826	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	

(#) = qualifier out of range (m) = manual integration

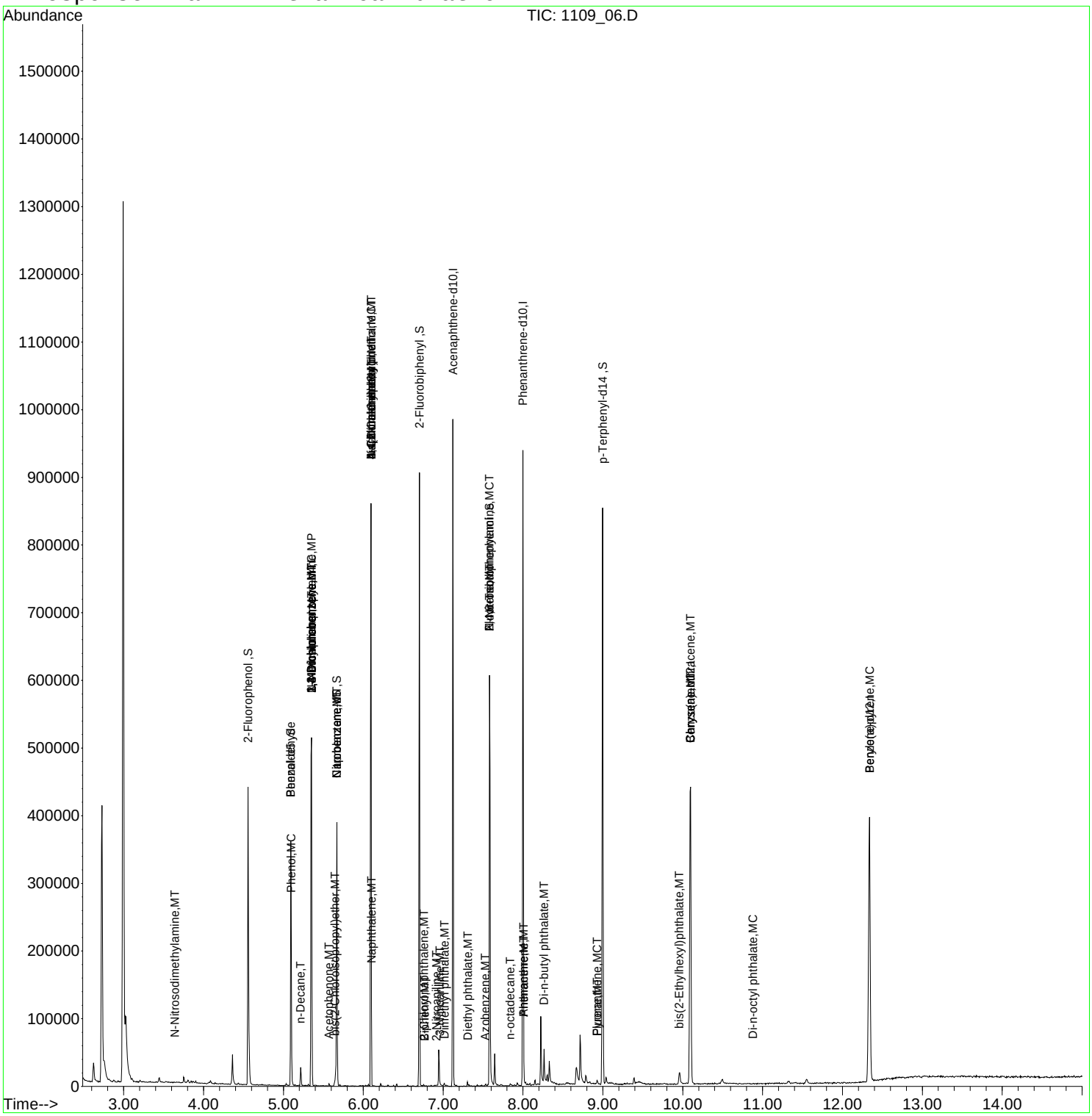
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_06.D Vial: 6
Acq On : 9 Nov 2011 12:49 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 15:49 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)

Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_14.D Vial: 14
Acq On : 9 Nov 2011 3:27 pm Operator: 377
Sample : L544884-06 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 16:13 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	55561	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	222397	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	123503	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	191375	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	160983	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	174354	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	38673	4.4339649 ppb	0.02
Spiked Amount 20.000	Range 10 - 75		Recovery = 22.17%		
7) Phenol-d5	5.09	99	32250	3.0905939 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 15.45%		
23) Nitrobenzene-d5	5.66	82	81379	6.6614534 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 66.61%		
44) 2-Fluorobiphenyl	6.70	172	173924	8.4261693 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 84.26%		
67) 2,4,6-Tribromophenol	7.58	330	50728	20.1560328 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 100.78%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 118.31%		

Target Compounds					Qvalue
2) Pyridine	3.82	79	139	N.D.	
3) N-Nitrosodimethylamine	3.56	42	137	N.D.	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	5.56	93	74	N.D.	
8) Phenol	0.00	94	0	N.D.	
9) Benzaldehyde	5.34	105	6704	0.9032076 ppb	# 28
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	5.22	41	114141	18.3455092 ppb	# 63
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D.	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	5.63	121	195	N.D.	
17) 2-Methylphenol	5.35	108	403	N.D.	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	5.49	70	203	N.D.	
20) 3&4-Methyl phenol	5.34	107	2085	0.2117709 ppb	# 25

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_14.D Vial: 14
Acq On : 9 Nov 2011 3:27 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 16:13 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21)	Acetophenone	5.34	105	6704	0.5362432 ppb	#	61
24)	Nitrobenzene	5.66	77	220	N.D.		
25)	Isophorone	5.91	82	436	N.D.		
26)	2-Nitrophenol	0.00	139	0	N.D.		
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d		
28)	bis(2-Chlorethoxy)methane	6.09	93	90	N.D.		
29)	2,4-Dichlorophenol	0.00	162	0	N.D.		
30)	Benzoic Acid	5.86	105	357	2.7332831 ppb	#	10
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
32)	Naphthalene	6.10	128	450	N.D.		
33)	4-Chloroaniline	6.09	65	667	0.1714923 ppb	#	1
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.		
35)	Caprolactam	6.31	113	164	N.D.		
36)	4-Chloro-3-methylphenol	6.38	107	166	N.D.		
37)	2-Methylnaphthalene	6.50	142	73	N.D.		
38)	1-Methylnaphthalene	6.70	142	54	N.D.		
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.		
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.		
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.		
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.		
45)	Biphenyl	6.76	154	323	N.D.		
46)	2-Chloronaphthalene	6.75	162	126	N.D.		
47)	2-Nitroaniline	6.83	138	58	N.D.		
48)	Acenaphthylene	7.05	152	55	N.D.		
49)	Dimethyl phthalate	6.91	163	53	N.D.		
50)	2,6-Dinitrotoluene	0.00	165	0	N.D. d		
51)	3-Nitroaniline	7.09	138	1523	0.3291435 ppb	#	39
52)	Acenaphthene	7.12	153	399	N.D.		
53)	2,4-Dinitrophenol	0.00	184	0	N.D.		
54)	Dibenzofuran	7.24	168	67	N.D.		
55)	2,4-Dinitrotoluene	7.18	165	172	N.D.		
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.		
57)	4-Nitrophenol	0.00	139	0	N.D. d		
58)	Fluorene	7.44	166	247	N.D.		
59)	4-Chlorophenyl-phenylether	7.43	204	58	N.D.		
60)	Diethyl phthalate	7.32	149	879	N.D.		
61)	4-Nitroaniline	7.42	138	350	N.D.		
62)	Azobenzene	7.58	77	3985	0.1711152 ppb	#	65

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_14.D Vial: 14
Acq On : 9 Nov 2011 3:27 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 16:13 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

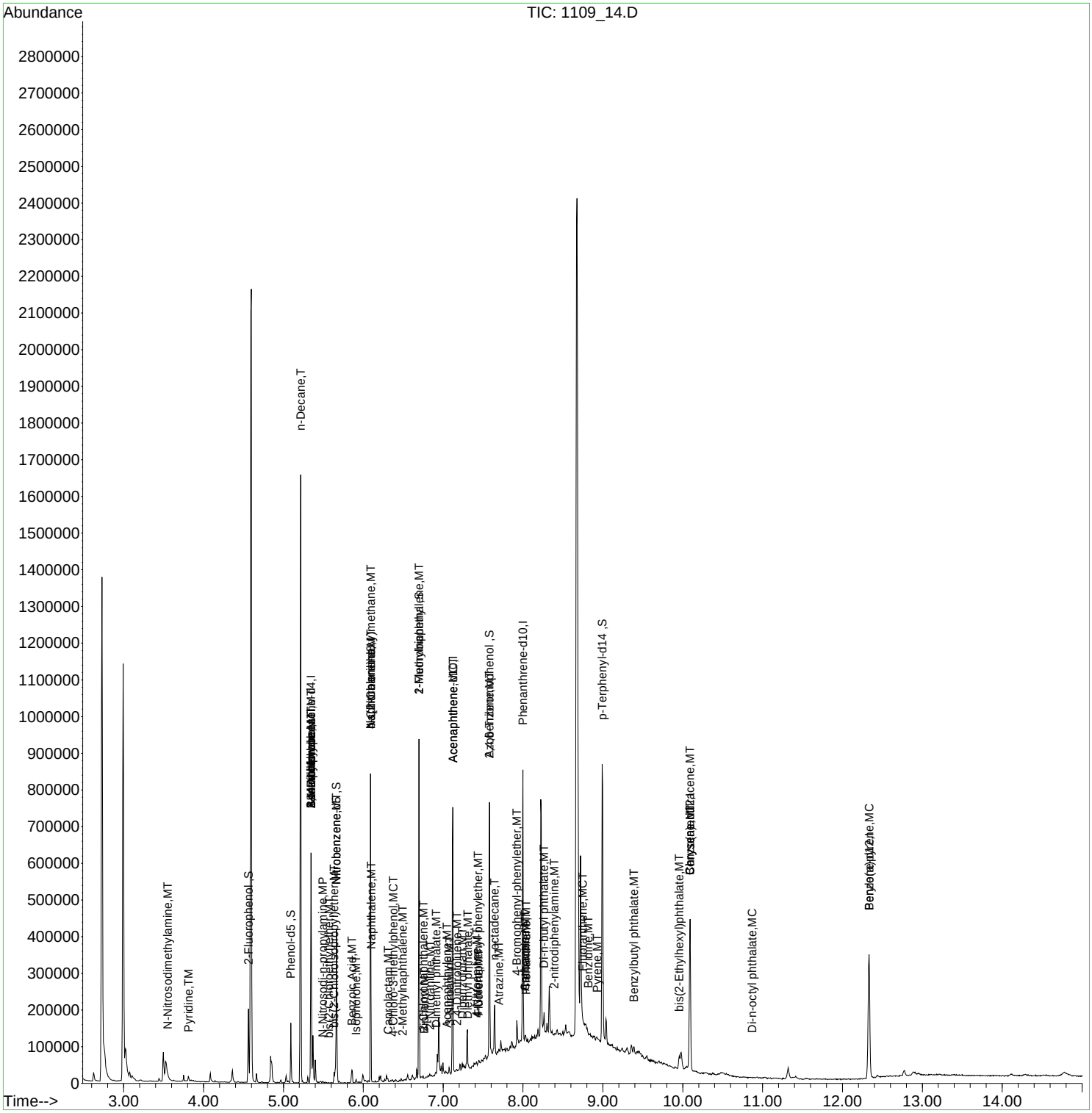
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63)	Atrazine	7.70	200	367	N.D.	
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68)	4-Bromophenyl-phenylether	7.92	248	65	N.D.	
69)	Hexachlorobenzene	0.00	284	0	N.D.	
70)	n-octadecane	7.65	55	42901	11.3116418 ppb #	46
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	8.05	178	620	N.D.	
73)	Anthracene	8.02	178	1191	N.D.	
74)	Carbazole	8.03	167	1180	N.D.	
75)	Di-n-butyl phthalate	8.26	149	13353	0.3672132 ppb	97
76)	2-nitrodiphenylamine	8.39	167	98	N.D.	
77)	Fluoranthene	8.75	202	1638	N.D.	
79)	Benzidine	8.82	184	232	N.D.	
80)	Pyrene	8.93	202	956	N.D.	
82)	Benzylbutyl phthalate	9.38	149	672	N.D.	
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	10.09	228	649	N.D.	
85)	Chrysene	10.09	228	649	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.96	149	12008m	0.5755539 ppb	
87)	Di-n-octyl phthalate	10.86	149	915	N.D.	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	12.33	252	601	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_14.D Vial: 14
Acq On : 9 Nov 2011 3:27 pm Operator: 377
Sample : L544884-06 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 16:13 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_15.D Vial: 15
Acq On : 9 Nov 2011 3:47 pm Operator: 377
Sample : L544884-07 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 16:13 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	59223	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	234190	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	127409	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	203421	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	170529	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	176619	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	34887	3.7525602 ppb	0.02
Spiked Amount 20.000	Range 10 - 75		Recovery = 18.76%		
7) Phenol-d5	5.10	99	33082	2.9742922 ppb	0.01
Spiked Amount 20.000	Range 10 - 63		Recovery = 14.87%		
23) Nitrobenzene-d5	5.67	82	79951	6.2149999 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 62.15%		
44) 2-Fluorobiphenyl	6.70	172	161051	7.5633028 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 75.63%		
67) 2,4,6-Tribromophenol	7.59	330	29732	11.1140119 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 55.57%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 98.43%		

Target Compounds

				Qvalue
2) Pyridine	3.82	79	445	N.D.
3) N-Nitrosodimethylamine	3.45	42	591	N.D.
5) Aniline	0.00	93	0	N.D.
6) bis(2-Chloroethyl)ether	5.40	93	67	N.D.
8) Phenol	0.00	94	0	N.D.
9) Benzaldehyde	5.34	105	15339	1.9387878 ppb # 18
10) 2-Chlorophenol	0.00	128	0	N.D. d
11) n-Decane	5.22	41	57336	8.6456000 ppb # 64
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) Benzyl Alcohol	5.40	79	124	N.D.
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.
16) bis(2-Chloroisopropyl)ethe	5.64	121	174	N.D.
17) 2-Methylphenol	5.35	108	579	N.D.
18) Hexachloroethane	0.00	117	0	N.D.
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d
20) 3&4-Methyl phenol	5.35	107	5041	0.4803487 ppb # 22

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_15.D Vial: 15
Acq On : 9 Nov 2011 3:47 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 16:13 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) Acetophenone	5.34	105	15339	1.1510773 ppb #	44
24) Nitrobenzene	5.67	77	292	N.D.	
25) Isophorone	5.85	82	402	N.D.	
26) 2-Nitrophenol	0.00	139	0	N.D.	
27) 2,4-Dimethylphenol	0.00	107	0	N.D. d	
28) bis(2-Chlorethoxy)methane	6.10	93	119	N.D.	
29) 2,4-Dichlorophenol	0.00	162	0	N.D.	
30) Benzoic Acid	0.00	105	0	N.D.	
31) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32) Naphthalene	6.11	128	390	N.D.	
33) 4-Chloroaniline	6.10	65	735	0.1794596 ppb #	1
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35) Caprolactam	6.31	113	254	N.D.	
36) 4-Chloro-3-methylphenol	6.16	107	329	N.D.	
37) 2-Methylnaphthalene	0.00	142	0	N.D.	
38) 1-Methylnaphthalene	6.70	142	115	N.D.	
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45) Biphenyl	6.77	154	110	N.D.	
46) 2-Chloronaphthalene	6.75	162	132	N.D.	
47) 2-Nitroaniline	6.70	138	77	N.D.	
48) Acenaphthylene	0.00	152	0	N.D.	
49) Dimethyl phthalate	6.98	163	163	N.D.	
50) 2,6-Dinitrotoluene	6.93	165	564	N.D.	
51) 3-Nitroaniline	6.99	138	54	N.D.	
52) Acenaphthene	0.00	153	0	N.D.	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	0.00	168	0	N.D.	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
57) 4-Nitrophenol	0.00	139	0	N.D.	
58) Fluorene	7.58	166	1651	N.D.	
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60) Diethyl phthalate	7.32	149	753	N.D.	
61) 4-Nitroaniline	0.00	138	0	N.D.	
62) Azobenzene	7.52	77	174	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_15.D Vial: 15
Acq On : 9 Nov 2011 3:47 pm Operator: 377

Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 16:13 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

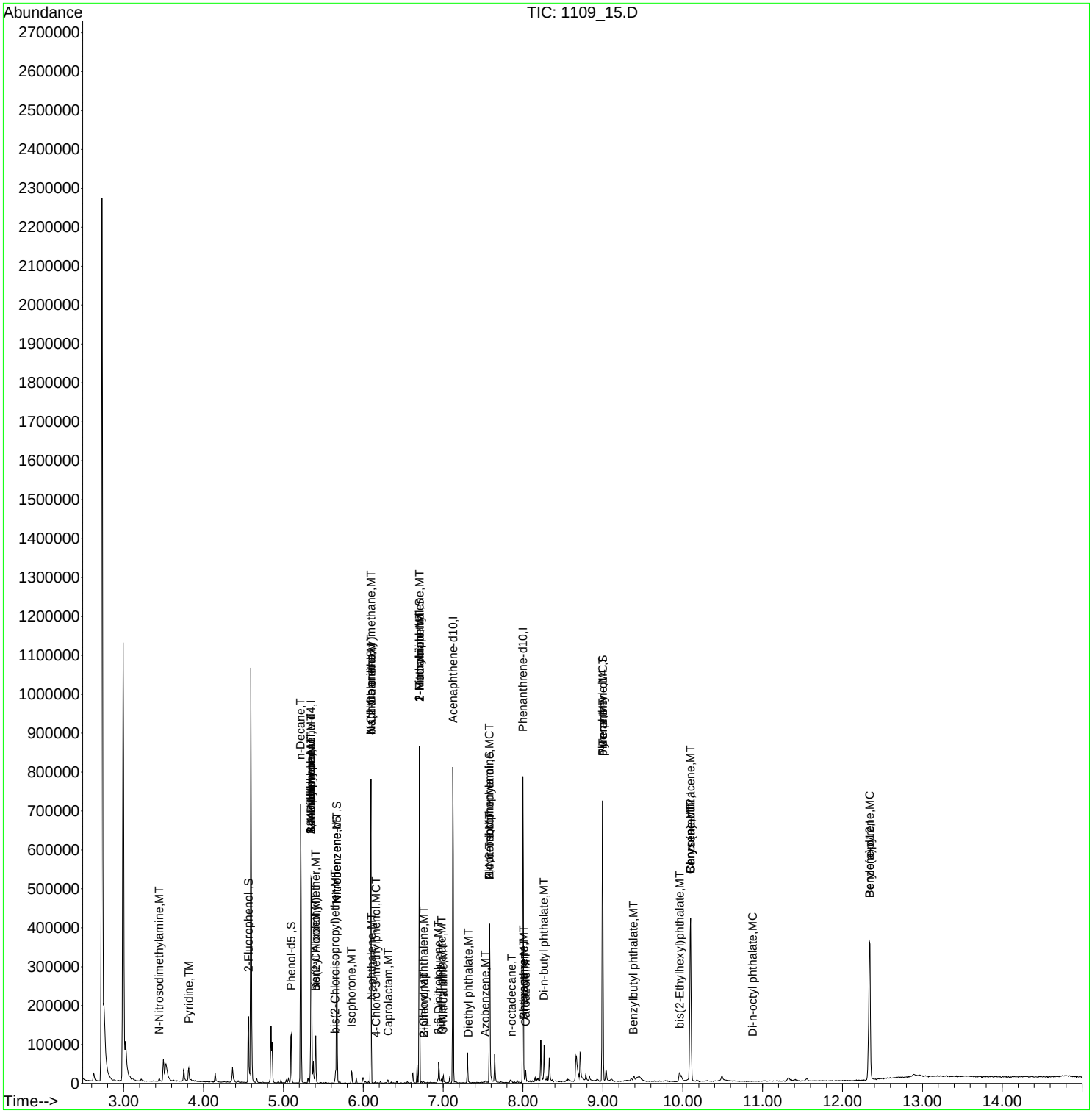
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63) Atrazine	0.00	200	0	N.D.	
65) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
66) N-Nitrosodiphenylamine	7.58	169	1231	N.D.	
68) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69) Hexachlorobenzene	0.00	284	0	N.D.	
70) n-octadecane	7.86	55	1665	0.4130113 ppb #	36
71) Pentachlorophenol	0.00	266	0	N.D. d	
72) Phenanthrene	8.02	178	54	N.D.	
73) Anthracene	8.02	178	54	N.D.	
74) Carbazole	8.03	167	175	N.D.	
75) Di-n-butyl phthalate	8.26	149	26571	0.6874432 ppb	99
76) 2-nitrodiphenylamine	0.00	167	0	N.D.	
77) Fluoranthene	9.00	202	563	N.D.	
79) Benzidine	0.00	184	0	N.D.	
80) Pyrene	9.00	202	563	N.D.	
82) Benzylbutyl phthalate	9.37	149	73	N.D.	
83) 3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84) Benzo(a)anthracene	10.10	228	440	N.D.	
85) Chrysene	10.10	228	440	N.D.	
86) bis(2-Ethylhexyl)phthalate	9.96	149	8369	0.3786785 ppb	95
87) Di-n-octyl phthalate	10.87	149	133	N.D.	
89) Benzo(b)fluoranthene	0.00	252	0	N.D.	
90) Benzo(k)fluoranthene	0.00	252	0	N.D.	
91) Benzo(a)pyrene	12.34	252	623	N.D.	
92) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110911\1109_15.D Vial: 15
Acq On : 9 Nov 2011 3:47 pm Operator: 377
Sample : L544884-07 1x WG564565 1000-1.0 Inst : BNAMS11
Misc : water sur11K01660/spk11K08944 Multiplr: 0.00
MS Integration Params: RTEINT.P
Quant Time: Nov 9 16:13 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011



Calibration

Injection Log

Directory: C:\MSDCHEM\1\DATA\110411A

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1104a_01.d	1.	dnr TUNE SVMS 50 ppm 11I28103	DFTPP TUNE 11I28103	4 Nov 2011 14:14
2	1	1104a_02.d	1.	TUNE SVMS 50 ppm 11I28103	DFTPP TUNE 11I28103	4 Nov 2011 19:13
3	2	1104a_03.d	1.	STD SVMS 10000 ppb 11G20058	8270 Calibration	4 Nov 2011 19:34
4	2	1104a_03a.d	1.	STD SVMS 10000 ppb 11G20058	8270 Calibration	4 Nov 2011 19:34
5	3	1104a_04.d	1.	STD SVMS 200 ppb 11G20058	8270 Calibration	4 Nov 2011 19:56
6	4	1104a_05.d	1.	STD SVMS 1000 ppb 11G20058	8270 Calibration	4 Nov 2011 20:17
7	4	1104a_05a.d	1.	STD SVMS 1000 ppb 11G20058	8270 Calibration	4 Nov 2011 20:17
8	5	1104a_06.d	1.	STD SVMS 5000 ppb 11G20058	8270 Calibration	4 Nov 2011 20:38
9	6	1104a_07.d	1.	STD SVMS 20000 ppb 11G20058	8270 Calibration	4 Nov 2011 21:00
10	7	1104a_08.d	1.	STD SVMS 30000 ppb 11G20058	8270 Calibration	4 Nov 2011 21:21
11	8	1104a_09.d	1.	STD SVMS 40000 ppb 11G20058	8270 Calibration	4 Nov 2011 21:42
12	9	1104a_10.d	1.	STD SVMS 50000 ppb 11G20058	8270 Calibration	4 Nov 2011 22:03
13	10	1104a_11.d	1.	STD TCL 10000 ppb 11G20059	8270 TCL calibration	4 Nov 2011 22:24
14	10	1104a_11a.d	1.	STD TCL 10000 ppb 11G20059	8270 TCL calibration	4 Nov 2011 22:24
15	11	1104a_12.d	1.	STD TCL 1000 ppb 11G20059	8270 TCL calibration	4 Nov 2011 22:45
16	12	1104a_13.d	1.	STD TCL 5000 ppb 11G20059	8270 TCL calibration	4 Nov 2011 23:06
17	13	1104a_14.d	1.	STD TCL 20000 ppb 11G20059	8270 TCL calibration	4 Nov 2011 23:27
18	14	1104a_15.d	1.	STD TCL 30000 ppb 11G20059	8270 TCL calibration	4 Nov 2011 23:49
19	15	1104a_16.d	1.	STD TCL 40000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 00:10
20	16	1104a_17.d	1.	STD TCL 50000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 00:31
21	17	1104a_18.d	1.	SSCV SVMS 20000 ppb 11G20057	8270 calibration ...	5 Nov 2011 00:52
22		1104a_19.d	0.0333	No MS or GC data present		

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\110411A\1104A_02.D
Tune Time : 4 Nov 2011 7:13 pm

Daily Calibration File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D

(2FP)(PHL)(NBZ)(FBP) (DCB) (NPT) (ANT)
182478 696907 373792

(TBP)(TPH) (PHN) (CRY) (PRY)
602800 400264 393295

File	Sample	Surrogate Recovery %	Internal Standard Responses
1104A_03.D	STD SVMS	39654* 50000* 100000* 100000* 50000* 100000*	182478 696907 373792 602800 400264 393295
1104A_03A.	STD SVMS	39654* 50000* 100000* 100000* 50000* 100000*	182478 696907 373792 602800 400264 393295
1104A_04.D	STD SVMS	781* 747* 1744* 1759* 651* 1564*	228507 875808 475739 716502 474962 457664
1104A_05.D	STD SVMS	3431* 4590* 9633* 10051* 4779* 9477*	258878 993171 529561 788053 538526 540618
1104A_05A.	STD SVMS	3431* 4590* 9633* 10051* 4779* 9477*	258878 993171 529561 788053 538526 540618
1104A_06.D	STD SVMS	17272* 22760* 46150* 45065* 24326* 44479*	268803 1023507 563512 870959 609418 591508
1104A_07.D	STD SVMS	78598* 98124* 190811* 178716* 103690* 195014*	223134 872983 473071 769114 526312 536746
1104A_08.D	STD SVMS	115539* 144677* 277237* 246575* 158873* 270815*	225701 881717 477537 789858 557176 581885
1104A_09.D	STD SVMS	144910* 187235* 371628* 316551* 209247* 372267*	216786 824326 453565 752732 499655 565091
1104A_10.D	STD SVMS	191385* 237424* 463014* 384804* 251653* 444368*	206912 818937 451651 771913 528252 578154
1104A_11.D	STD TCL	7* 286* 1552* 7* 80 30*	206130 781224 428053 664381 464122 478658
1104A_11A.	STD TCL	7* 286* 1552* 7* 80 30*	206130 781224 428053 664381 464122 478658
1104A_12.D	STD TCL	0* 290* 186* 8* 120 9*	213285 817928 448158 683058 457491 444507
1104A_13.D	STD TCL	0* 275* 34 24* 287* 21*	245278 933517 492568 784633 535131 526579

```
-----------------------------------------------------------------------------
1104A_14.D STD TCL     9* 276* 3300*  17*     237722     914552     488630
                 31   14*             788395     530087     536631
-----------------------------------------------------------------------------
1104A_15.D STD TCL     0* 307* 4952*   0*     231931     861806     492761
                  0*  19*             757154     509828     517336
-----------------------------------------------------------------------------
1104A_16.D STD TCL     0* 280* 6863*   0*     221194     831643     464430
                 152*   9*             734488     484562     513175
-----------------------------------------------------------------------------
1104A_17.D STD TCL     0* 271* 8695*   8*     229852     868110     483465
                  36   16*             765309     521766     536924
-----------------------------------------------------------------------------
1104A_18.D SSCV SVM    0* 353* 8375*  45      218122     820844     445156
                 143    0*             725905     505942     482929
-----------------------------------------------------------------------------
   t - fails 12hr time check   * - fails criteria

   Created: Sat Nov 05 12:55:23 2011  BNAMS10
```

Mint Miner 2.03 (80118) Directory Scan: y:\110411A

6 Nov 2011 11:06

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\110411A\1104A_01.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_01.D					
5	Scanned	TA(1)	377	BNAMS10	TUNE SVMS 50 ppm 11I28103 (DFTPP TUNE
Scan File Path: y:\110411A\1104A_02.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_02.D					
5	Scanned	TA(1)	377	BNAMS10	TUNE SVMS 50 ppm 11I28103 (DFTPP TUNE
Scan File Path: y:\110411A\1104A_03.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_03.D					
96	Scanned	M(16), MS(3), D(29), QM(1), MM(1), MT(5), MR(2)	377	BNAMS10	STD SVMS 10000 ppb 11G20058 (8270 Calib
Scan File Path: y:\110411A\1104A_03a.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_03.D					
64	Scanned	M(14), MS(3), D(19), QM(1), MM(1), MT(3)	377	BNAMS10	STD SVMS 10000 ppb 11G20058 (8270 Calib
Scan File Path: y:\110411A\1104A_04.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_04.D					
30	Scanned	M(9), MR(2), MM(1), D(6)	377	BNAMS10	STD SVMS 200 ppb 11G20058 (8270 Calibr
Scan File Path: y:\110411A\1104A_05.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_05.D					
37	Scanned	MR(4), M(6), MS(1), D(8)	377	BNAMS10	STD SVMS 1000 ppb 11G20058 (8270 Calib
Scan File Path: y:\110411A\1104A_05a.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_05A.D					
11	Scanned	MR(1), M(3), MS(1)	377	BNAMS10	STD SVMS 1000 ppb 11G20058 (8270 Calib
Scan File Path: y:\110411A\1104A_06.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_06.D					
26	Scanned	M(5), MS(1), D(8), MR(2)	377	BNAMS10	STD SVMS 5000 ppb 11G20058 (8270 Calib
Scan File Path: y:\110411A\1104A_07.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_07.D					
46	Scanned	M(9), MR(5), MS(1), D(9)	377	BNAMS10	STD SVMS 20000 ppb 11G20058 (8270 Calib
Scan File Path: y:\110411A\1104A_08.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_08.D					
41	Scanned	M(8), MS(1), D(10), MR(4)	377	BNAMS10	STD SVMS 30000 ppb 11G20058 (8270 Calib
Scan File Path: y:\110411A\1104A_09.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_09.D					
37	Scanned	M(9), MS(1), D(10), MR(3)	377	BNAMS10	STD SVMS 40000 ppb 11G20058 (8270 Calib

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\110411A\1104A_10.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_10.D					
39	Scanned	M(11), MS(1), D(10), MR(3)	377	BNAMS10	STD SVMS 50000 ppb 11G20058 (8270 Calib
Scan File Path: y:\110411A\1104A_11.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_11.D					
379	Scanned	D(204), DS(18), DC(30), DK(27), DB(18), DP(3), M(2), MT(1)	377	BNAMS10	STD TCL 10000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110411A\1104A_11a.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_11.D					
262	Scanned	D(136), DS(12), DC(20), DK(18), DB(12), DP(2), M(2), QM(1), MT(1), MR(1)	377	BNAMS10	STD TCL 10000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110411A\1104A_12.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_12.D					
139	Scanned	D(73), DS(5), DC(11), DK(11), DP(2), DB(6), M(2), MR(1)	377	BNAMS10	STD TCL 1000 ppb 11G20059 (8270 TCL cal
Scan File Path: y:\110411A\1104A_13.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_13.D					
137	Scanned	D(76), DS(5), DC(11), DK(11), DP(3), DB(6), M(1)	377	BNAMS10	STD TCL 5000 ppb 11G20059 (8270 TCL cal
Scan File Path: y:\110411A\1104A_14.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_14.D					
135	Scanned	D(74), DS(6), DC(11), DK(11), DP(2), DB(6), M(1)	377	BNAMS10	STD TCL 20000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110411A\1104A_15.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_15.D					
123	Scanned	D(67), DS(3), DC(10), DK(10), DP(2), DB(6), M(1)	377	BNAMS10	STD TCL 30000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110411A\1104A_16.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_16.D					
127	Scanned	D(69), DS(4), DC(10), DK(10), DP(3), DB(6), M(1)	377	BNAMS10	STD TCL 40000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110411A\1104A_17.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_17.D					
127	Scanned	D(69), DS(5), DC(10), DK(9), DP(3), DB(6), M(1)	377	BNAMS10	STD TCL 50000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110411A\1104A_18.D					
Original Path: C:\MSDCHEM\1\DATA\110411A\1104A_18.D					
3	Scanned	M(3)	377	BNAMS10	SSCV SVMS 20000 ppb 11G20057 (8270 cal

Level	Status	Code	Operator	Instrument	Sample ID

Scan File Path: y:\110411A\1104A_19.D
Original Path: y:\110411A\1104A_19.D
0 No Audit

D	=	Deletion of any analyte	DB	=	Deletion of a common contaminant
DC	=	Deletion of a CCC	DK	=	Deletion of a spike compound
DP	=	Deletion of an SPCC	DS	=	Deletion of a surrogate
M	=	Manual integration (non-specific)	MM	=	More than 3 manual integrations of the same analyte
MR	=	Manual integration with before/after ratio <10%	MS	=	Manual integration of a surrogate
MT	=	Multiple manual integrations of the same analyte >10 minutes apart	QM	=	Processed >3 times using the same method
TA	=	Tune spectrum obtained by spectral averaging			

ScanSummary.rpt

Total Files Scanned	Beginning Analyzed Date
Methods	Ending Analyzed Date
Samples	Analyzed Range
Tunes	Greatest Time Between Tunes
CCCs	Greatest Time Between CCCs

Distinct Method Last Updated count
Operators Intruments

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_01.D Vial: 1
Acq On : 4 Nov 2011 2:14 pm Operator: 377
Sample : dnr TUNE SVMS 50 ppm 11I28103 Inst : BNAMS10
Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:57 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00 ppb	-5.24
22) Naphthalene-d8	5.99	136	353	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	808	8000.00 ppb	0.00
64) Phenanthrene-d10	7.97	188	2793	8000.00 ppb	0.08
78) Chrysene-d12	9.91	240	1036	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	698	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	0.00	99	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#		
23) Nitrobenzene-d5	0.00	82	0	0.0000000 ppb	
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#		
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
81) p-Terphenyl-d14	8.86	244	53	364.7540140 ppb	0.00
Spiked Amount 10.000	Range 40 - 174		Recovery = 3647.54%#		

Target Compounds				Qvalue
2) Pyridine	3.28	79	59	N.D.
3) N-Nitrosodimethylamine	3.53	42	474	N.D.
5) Aniline	0.00	93	0	N.D.
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D.
8) Phenol	5.02	94	319	N.D.
9) Benzaldehyde	4.95	105	53	N.D.
10) 2-Chlorophenol	0.00	128	0	N.D.
11) n-Decane	5.12	41	166	N.D.
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.
14) Benzyl Alcohol	0.00	79	0	N.D.
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D.
17) 2-Methylphenol	0.00	108	0	N.D.
18) Hexachloroethane	0.00	117	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_01.D Vial: 1
Acq On : 4 Nov 2011 2:14 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:57 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	
20)	3&4-Methyl phenol	0.00	107	0	N.D.	
21)	Acetophenone	5.58	105	62	N.D.	
24)	Nitrobenzene	0.00	77	0	N.D.	
25)	Isophorone	5.92	82	61	2191.3442803 ppb #	56
26)	2-Nitrophenol	0.00	139	0	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D.	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D.	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.58	105	62	8942.5322524 ppb #	72
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
32)	Naphthalene	6.01	128	179	3879.0071673 ppb	70
33)	4-Chloroaniline	0.00	65	0	N.D.	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.28	113	63	13502.6276989 ppb #	1
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
37)	2-Methylnaphthalene	6.40	142	174	6063.9133664 ppb #	21
38)	1-Methylnaphthalene	0.00	142	0	N.D.	
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
45)	Biphenyl	0.00	154	0	N.D.	
46)	2-Chloronaphthalene	0.00	162	0	N.D.	
47)	2-Nitroaniline	0.00	138	0	N.D.	
48)	Acenaphthylene	0.00	152	0	N.D.	
49)	Dimethyl phthalate	0.00	163	0	N.D.	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	0.00	138	0	N.D.	
52)	Acenaphthene	0.00	153	0	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	7.19	168	1180	7565.3396266 ppb #	52
55)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
56)	2,3,4,6-Tetrachlorophenol	7.19	232	4362	192788.3157014 ppb	95
57)	4-Nitrophenol	0.00	139	0	N.D.	
58)	Fluorene	0.00	166	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_01.D Vial: 1
Acq On : 4 Nov 2011 2:14 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:57 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	7.21	149	226	1813.7743060 ppb #	62
61)	4-Nitroaniline	0.00	138	0	N.D.	
62)	Azobenzene	7.62	77	55	464.7065088 ppb #	1
63)	Atrazine	7.76	200	119626	3306818.1161017 ppb #	2
65)	4,6-Dinitro-2-methylphenol	7.19	198	254	7820.0490357 ppb #	30
66)	N-Nitrosodiphenylamine	7.19	169	301	1389.4013577 ppb #	1
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69)	Hexachlorobenzene	7.97	284	1115	13595.7013776 ppb #	57
70)	n-octadecane	7.77	55	1634	35208.8533136 ppb #	1
71)	Pentachlorophenol	7.77	266	666926	13750510.9657251 ppb	
72)	Phenanthrene	7.90	178	83	217.5404657 ppb	69
73)	Anthracene	7.90	178	83	228.4894292 ppb	64
74)	Carbazole	8.16	167	1584	5252.5742246 ppb #	71
75)	Di-n-butyl phthalate	8.43	149	187	408.5072462 ppb #	1
76)	2-nitrodiphenylamine	8.38	167	117	1532.3407653 ppb #	17
77)	Fluoranthene	8.81	202	53	137.7878577 ppb #	12
79)	Benzidine	8.69	184	1636586	20169471.1279660 ppb	1
80)	Pyrene	0.00	202	0	N.D.	
82)	Benzylbutyl phthalate	9.35	149	21781	217981.2602431 ppb #	1
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.	
84)	Benzo(a)anthracene	0.00	228	0	N.D.	
85)	Chrysene	0.00	228	0	N.D.	
86)	bis(2-Ethylhexyl)phthalate	9.78	149	548	3655.5691154 ppb	83
87)	Di-n-octyl phthalate	10.68	149	121	518.5509600 ppb	74
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
91)	Benzo(a)pyrene	0.00	252	0	N.D.	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

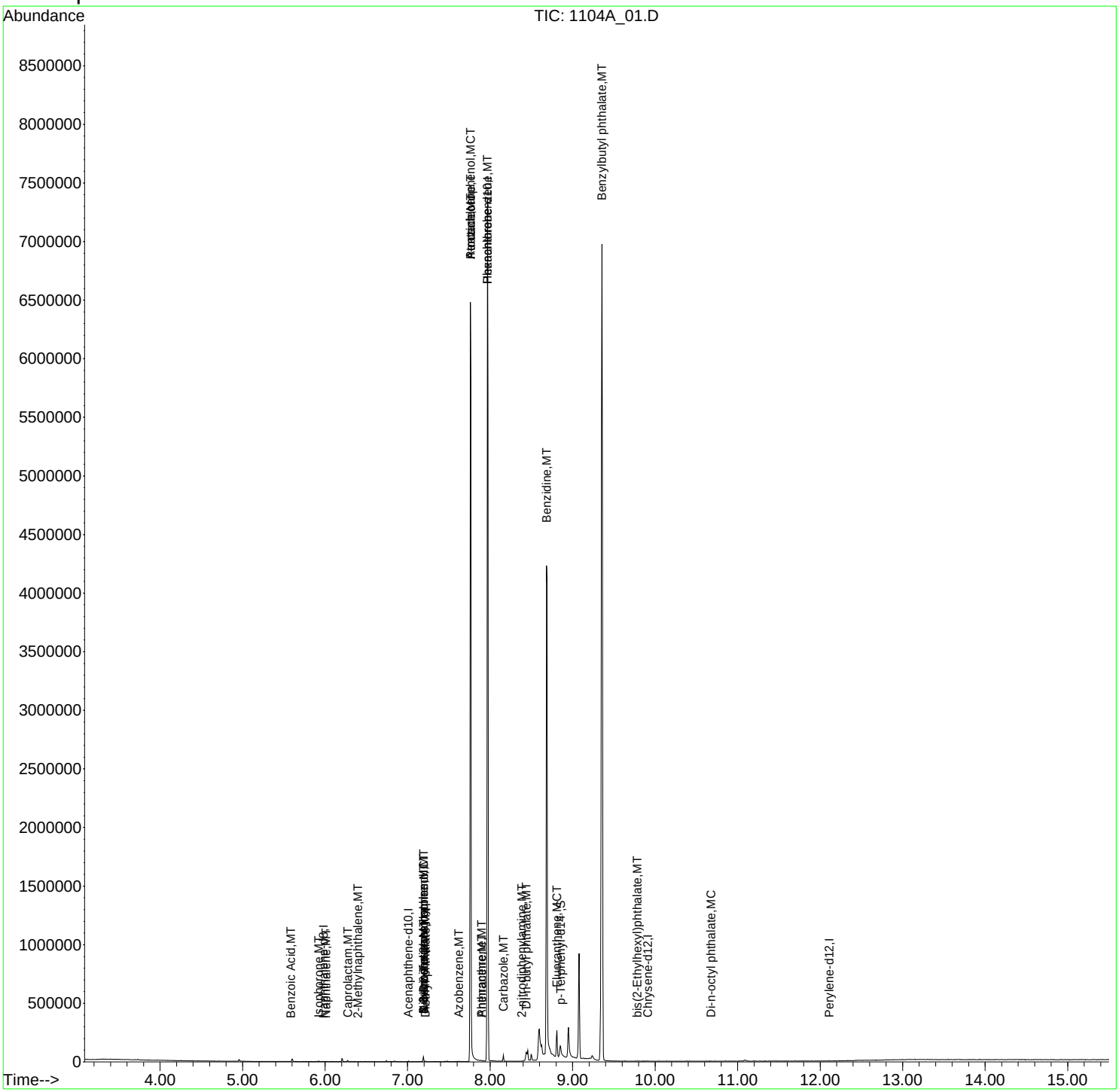
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_01.D Vial: 1
Acq On : 4 Nov 2011 2:14 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:57 2011 Quant Results File: S810K04K.RES

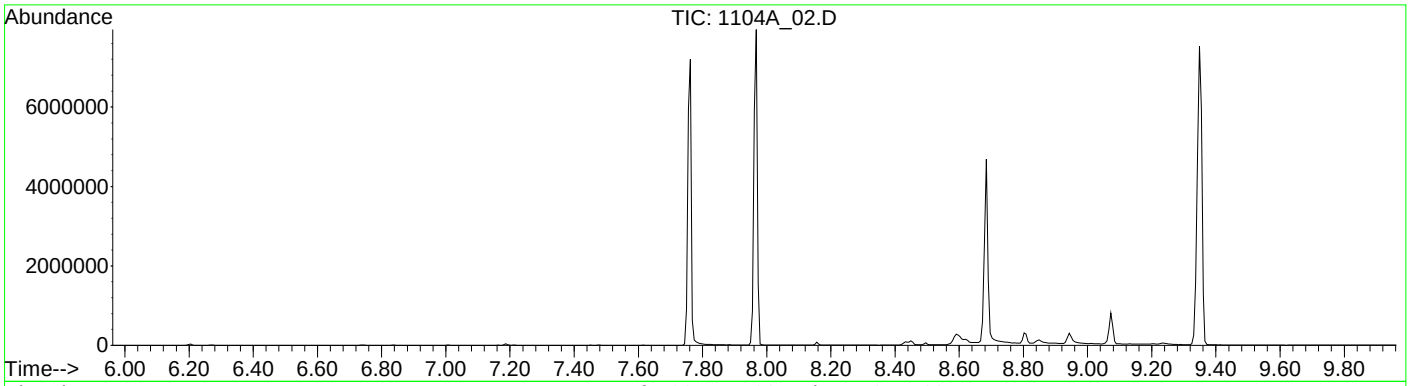
Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration

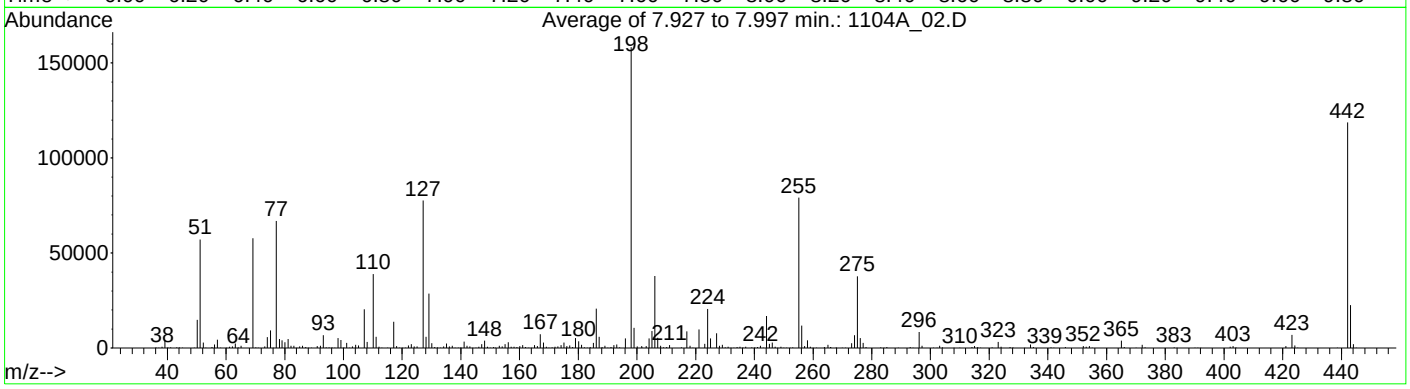


DFTPP

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_02.D Vial: 1
Acq On : 4 Nov 2011 7:13 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNEC.M (RTE Integrator)
Title : 8270 BNA





Spectrum Information: Average of 7.927 to 7.997 min.

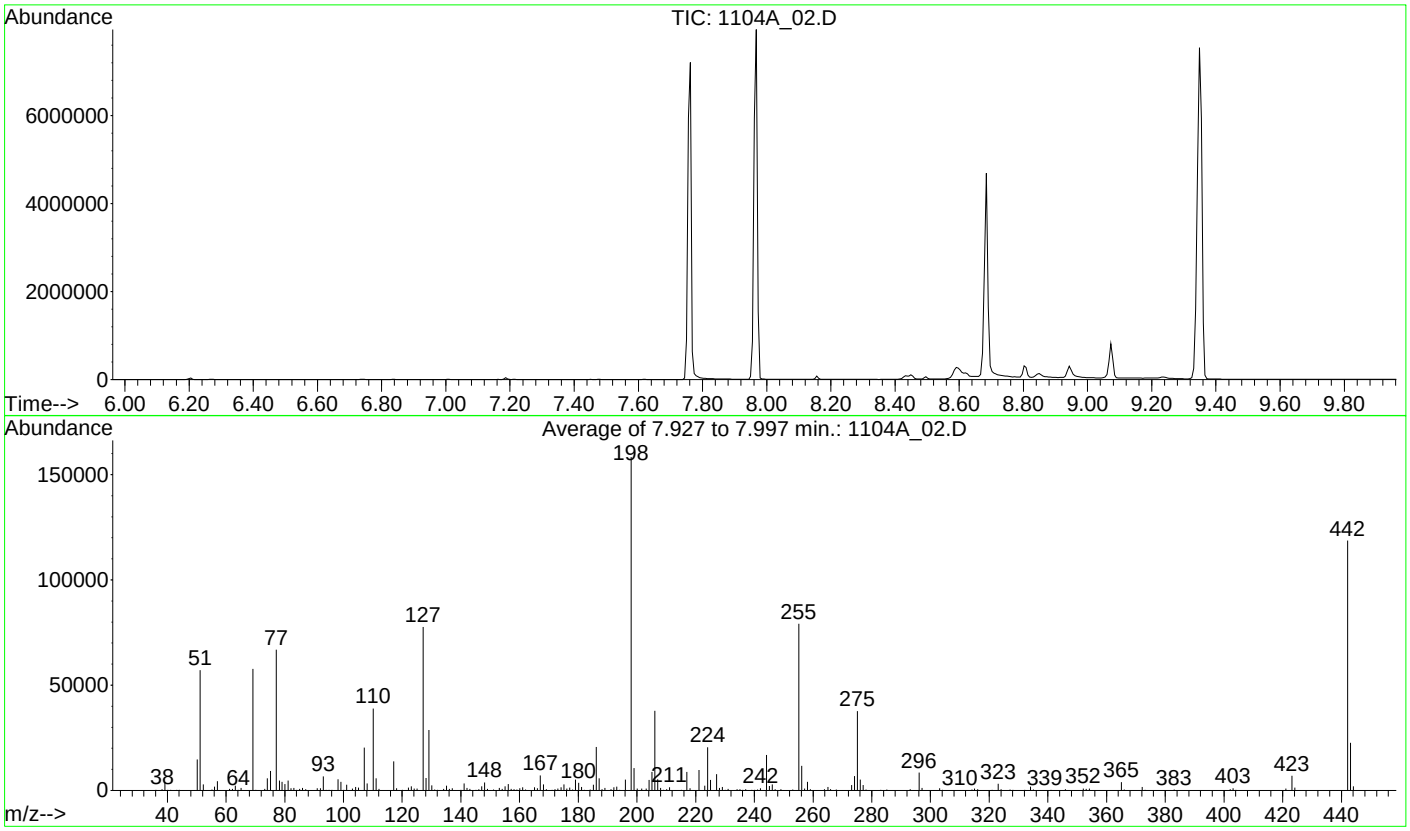
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.1	57129	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	36.5	57756	PASS
70	69	0.00	2	0.5	300	PASS
127	198	40	60	49.0	77631	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	158330	PASS
199	198	5	9	6.7	10579	PASS
275	198	10	30	23.8	37749	PASS
365	198	1	100	2.5	3959	PASS
441	443	0.01	100	0.1	22	PASS
442	198	40	100	75.0	118675	PASS
443	442	17	23	19.0	22589	PASS

1104A_02.D TUNEC.M Sat Nov 05 12:56:21 2011

DFTPP

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_02.D Vial: 1
Acq On : 4 Nov 2011 7:13 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA



Spectrum Information: Average of 7.927 to 7.997 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.1	57129	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	300	PASS
127	198	10	80	49.0	77631	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	158330	PASS
199	198	5	9	6.7	10579	PASS
275	198	10	60	23.8	37749	PASS
365	198	1	100	2.5	3959	PASS
441	442	0.01	24	0.0	22	PASS
442	198	50	100	75.0	118675	PASS
443	442	15	24	19.0	22589	PASS

1104A_02.D TUNED.M Sat Nov 05 12:56:29 2011

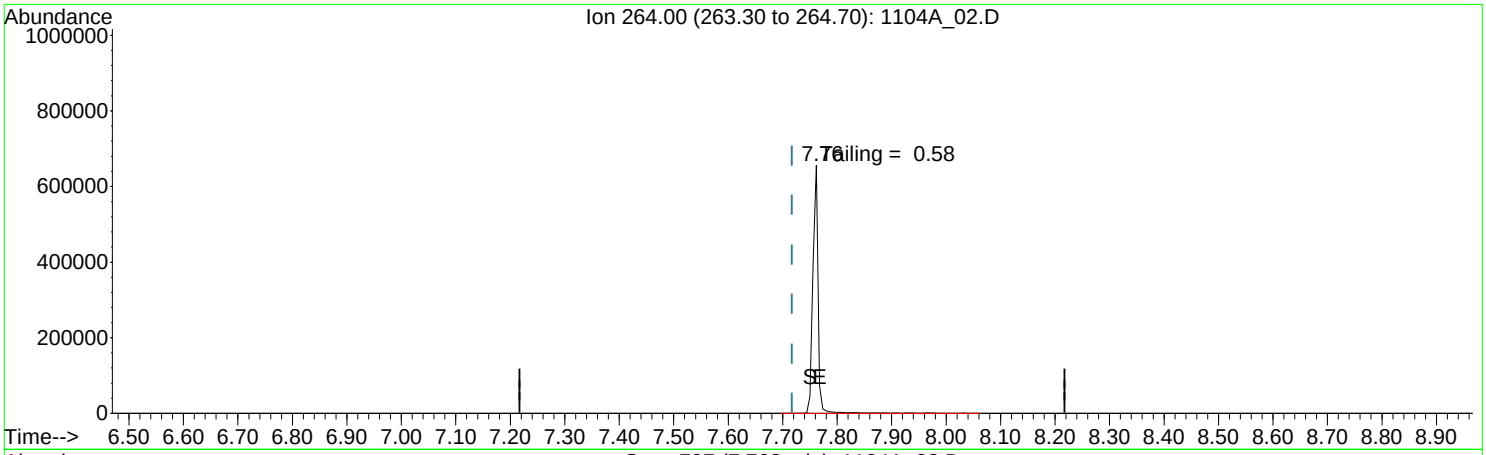
Quantitation Report (Qedit)

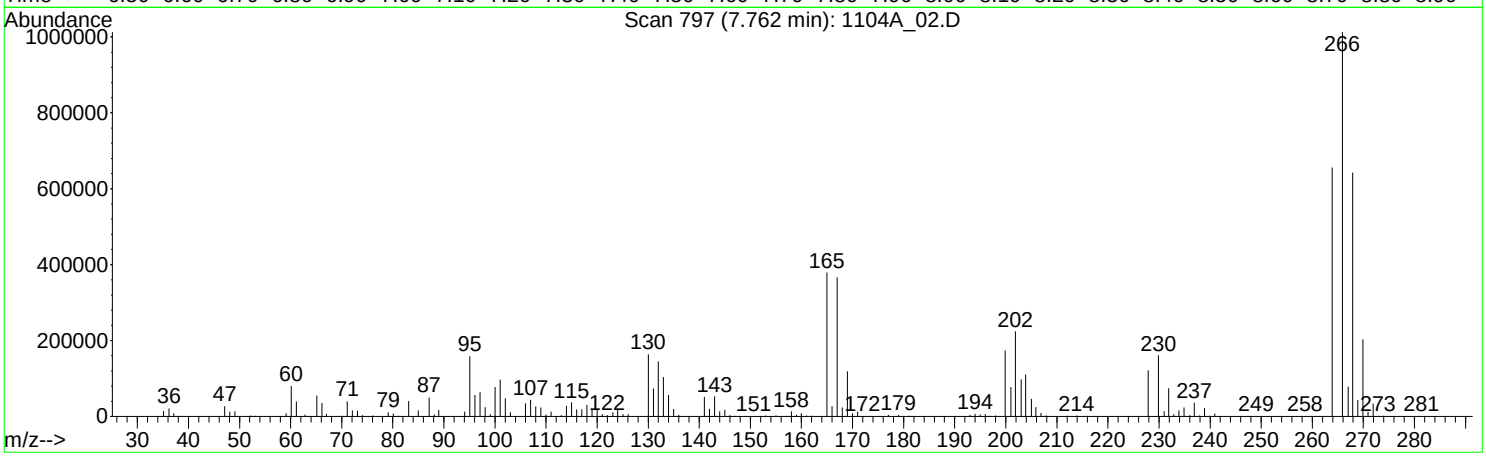
Data File : C:\MSDCHEM\1\DATA\110411A\1104A_02.D Vial: 1
Acq On : 4 Nov 2011 7:13 pm Operator: 377

MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:56 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)

Last Update : Tue May 24 10:41:42 2011
Response via : Single Level Calibration





TIC: 1104A_02.D

(1) Pentachlorophenol (TM)

7.76min (+0.044) 73.7267019 ug/mL

Qvalue = 100

response 430213

Ion	Exp%	Act%
264.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1104A_02.D TUNED.M Sat Nov 05 12:56:41 2011

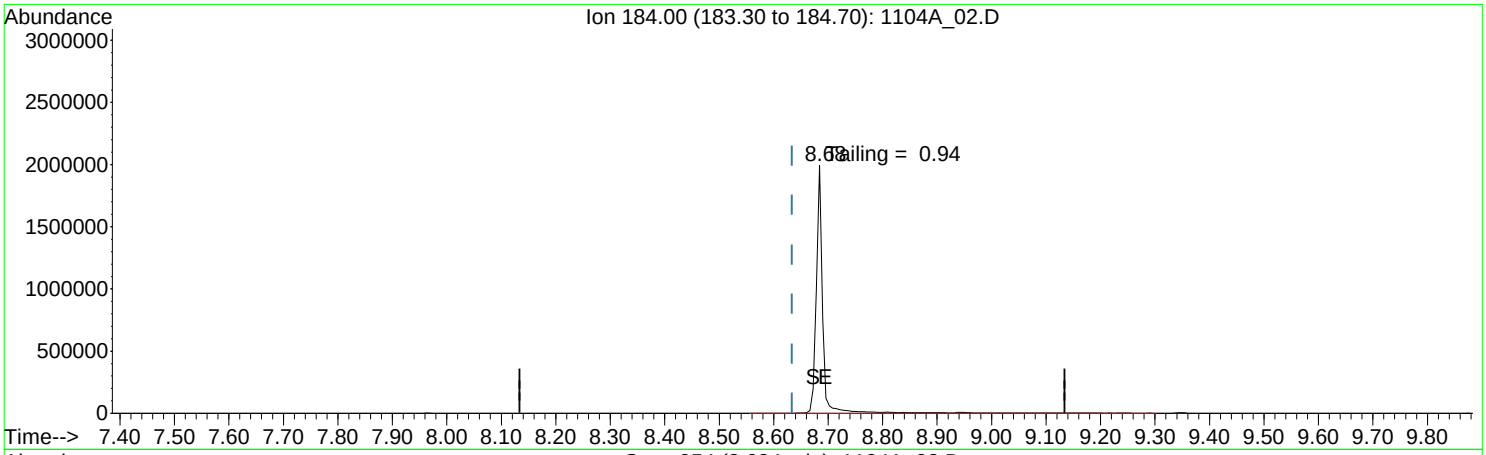
Quantitation Report (Qedit)

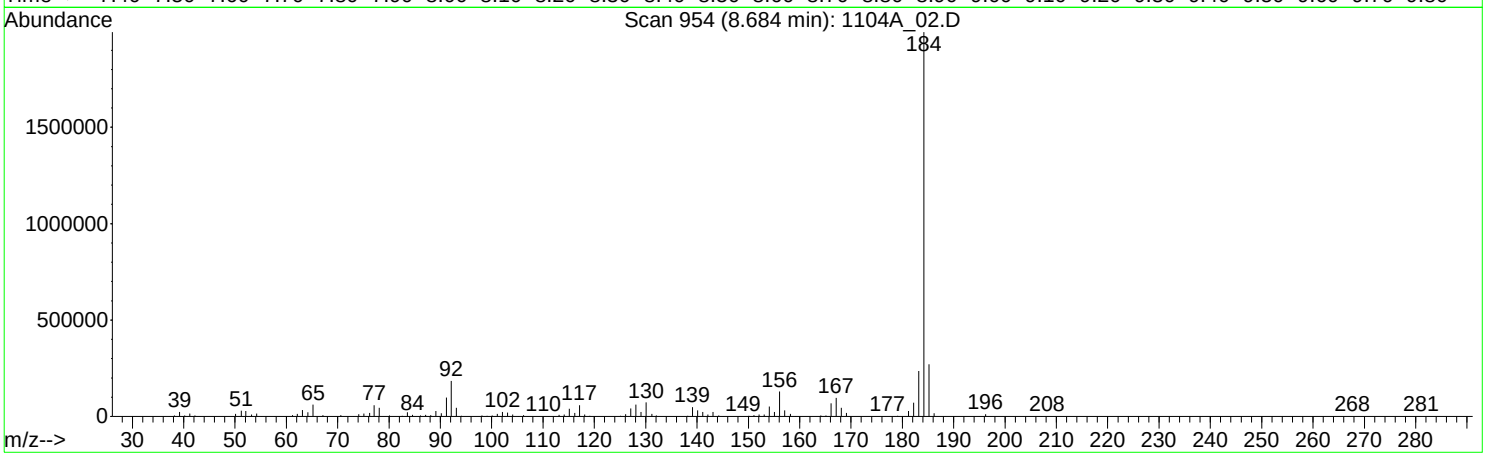
Data File : C:\MSDCHEM\1\DATA\110411A\1104A_02.D Vial: 1
Acq On : 4 Nov 2011 7:13 pm Operator: 377

MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:56 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)

Last Update : Tue May 24 10:41:42 2011
Response via : Single Level Calibration





TIC: 1104A_02.D

(3) Benzidine (MT)
8.68min (+0.050) 65.5581452 ug/mL
Qvalue = 100
response 1573503

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1104A_02.D TUNED.M Sat Nov 05 12:56:47 2011

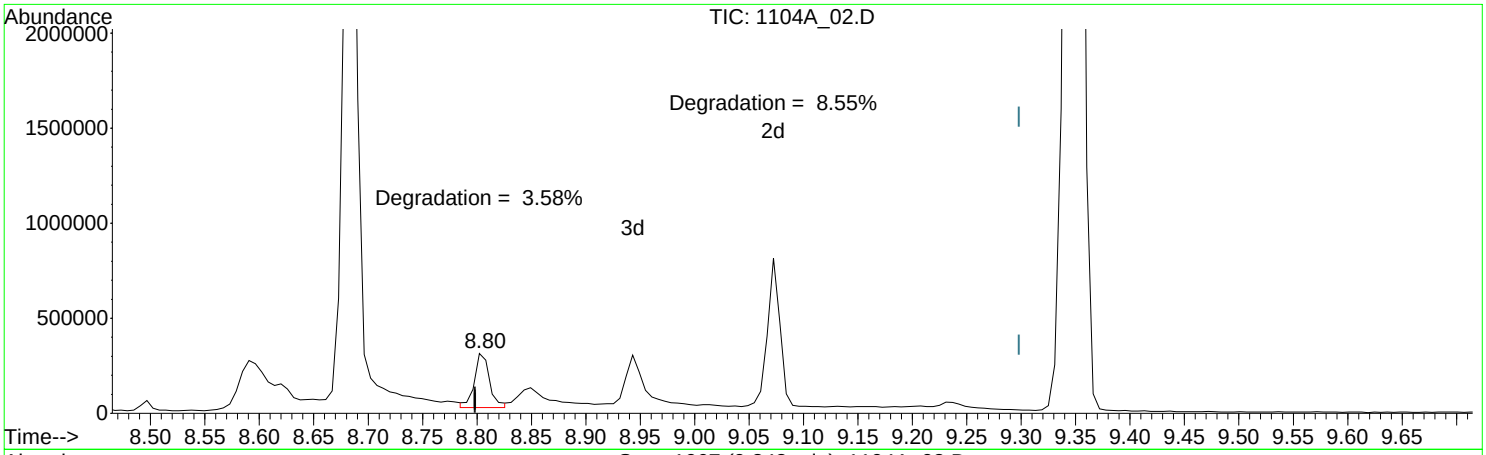
Quantitation Report (Qedit)

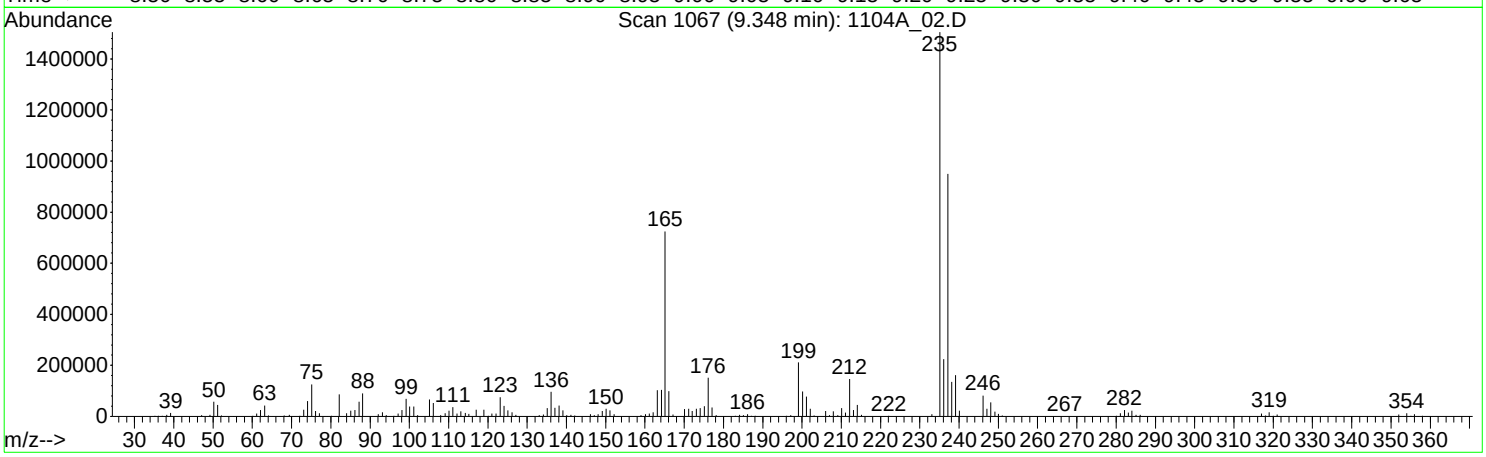
Data File : C:\MSDCHEM\1\DATA\110411A\1104A_02.D Vial: 1
Acq On : 4 Nov 2011 7:13 pm Operator: 377

MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:56 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)

Last Update : Tue May 24 10:41:42 2011
Response via : Single Level Calibration





TIC: 1104A_02.D

(4) DDT (MT)
9.35min (+0.050) 566.1416802 ug/ml
Qvalue = 100
response 7618127

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1104A_02.D TUNED.M Sat Nov 05 12:57:10 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_02.D Vial: 1
Acq On : 4 Nov 2011 7:13 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:56 2011 Quant Results File: TUNED.RES

Quant Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA
Last Update : Tue May 24 10:41:42 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) Pentachlorophenol	7.76	264	430213	73.7267019	ug/mL	100
2) DFTPP	7.97	198	727167	98.2809514	ug/mL	100
3) Benzidine	8.68	184	1573503	65.5581452	ug/mL	100
4) DDT	9.35	TIC	7618127	566.1416802	ug/ml	100
5) DDT	9.35	235	1538228	114.3135294	ug/mL	100

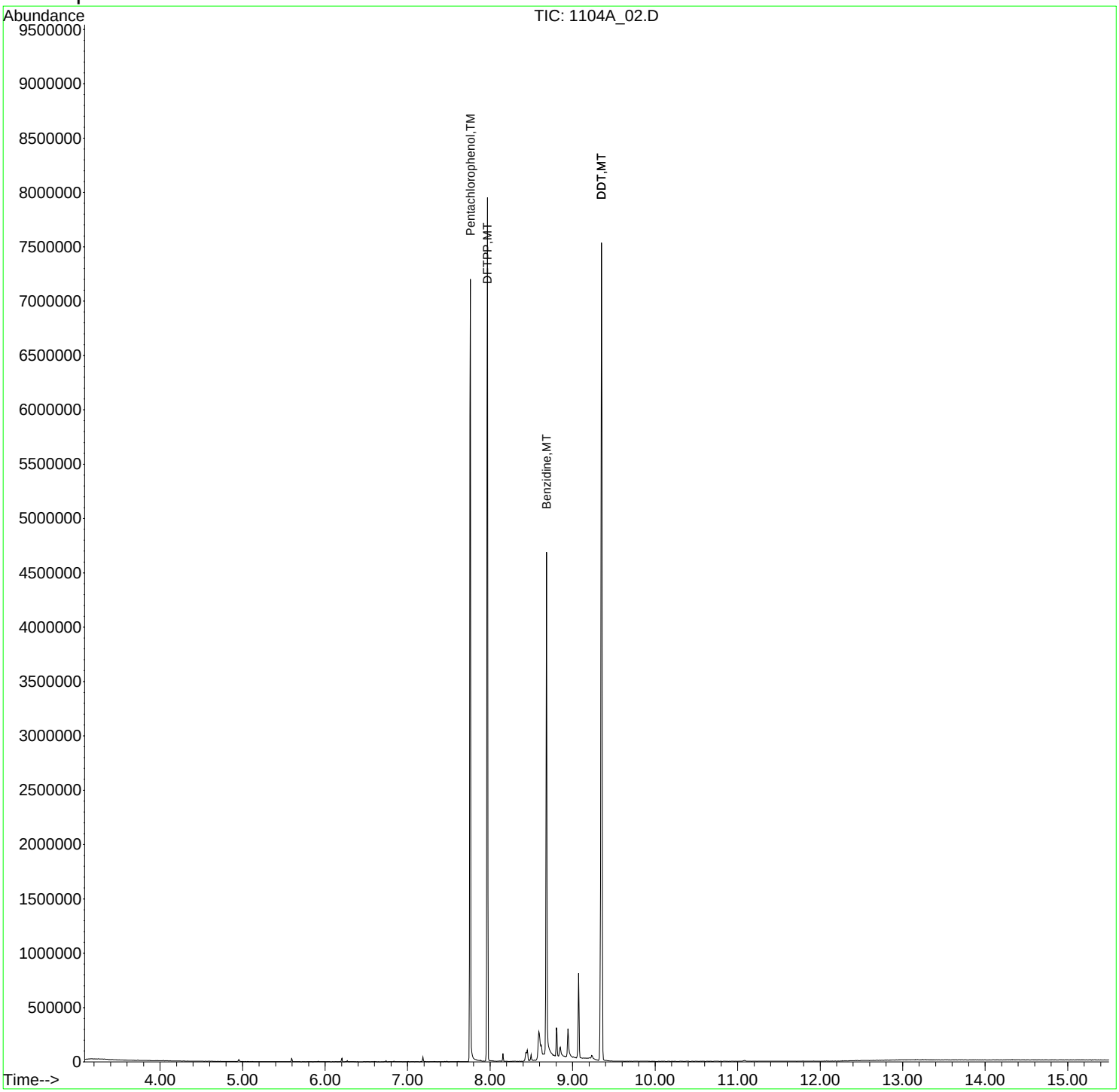
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_02.D Vial: 1
Acq On : 4 Nov 2011 7:13 pm Operator: 377

Misc : DFTPP TUNE 11I28103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:56 2011 Quant Results File: TUNED.RES

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA
Last Update : Tue May 24 10:41:42 2011
Response via : Initial Calibration

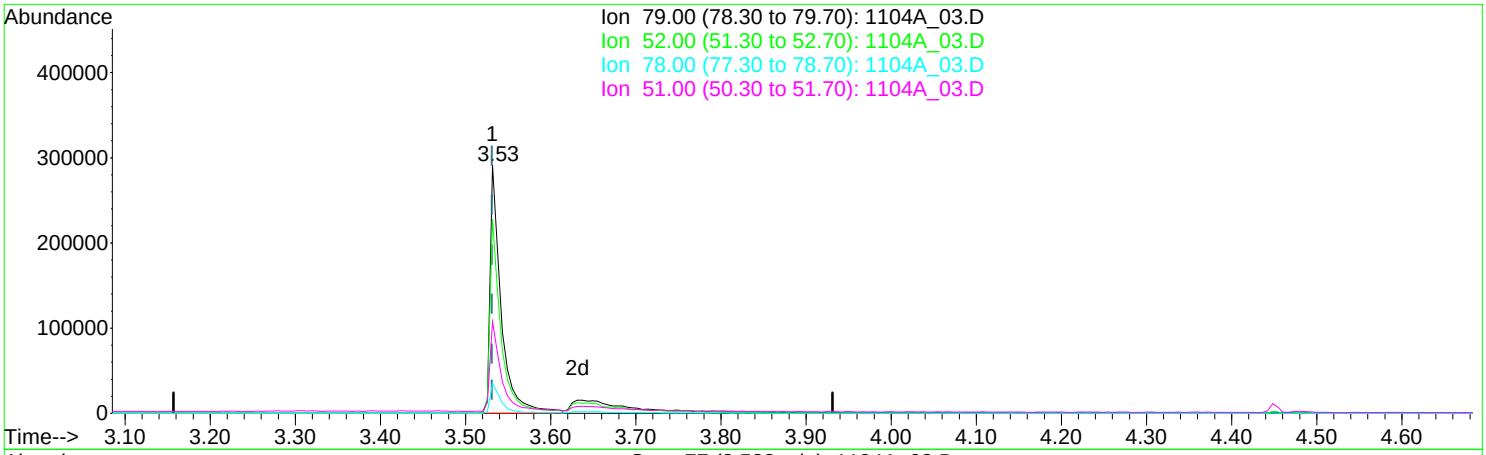


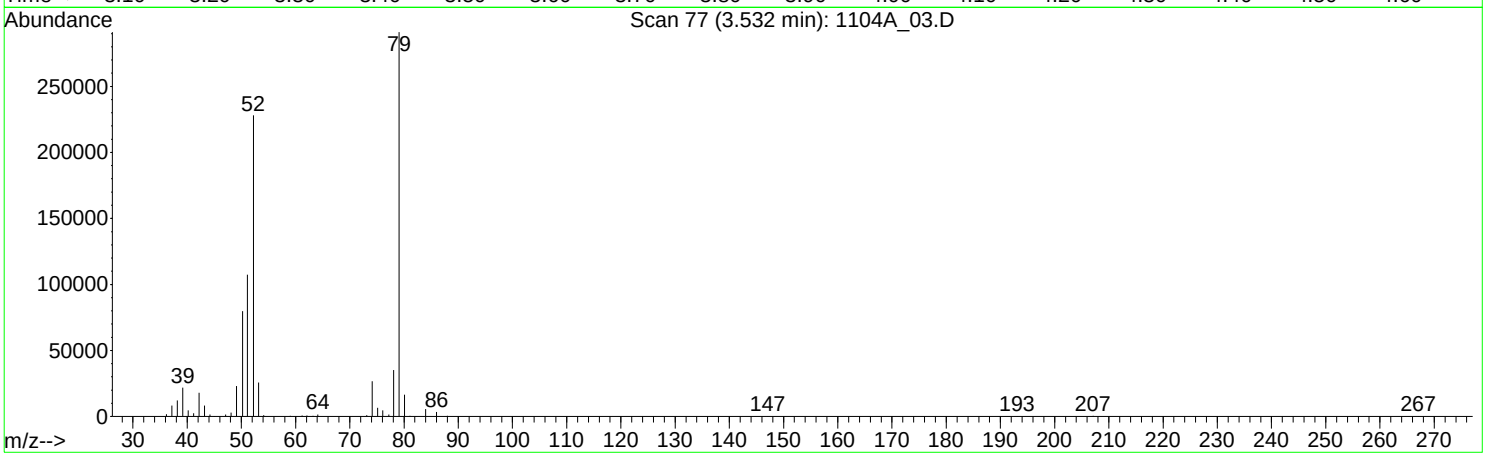
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(2) Pyridine (TM)
3.53min (0.000) 7651.9538678 ppb
Qvalue = 100
response 265193

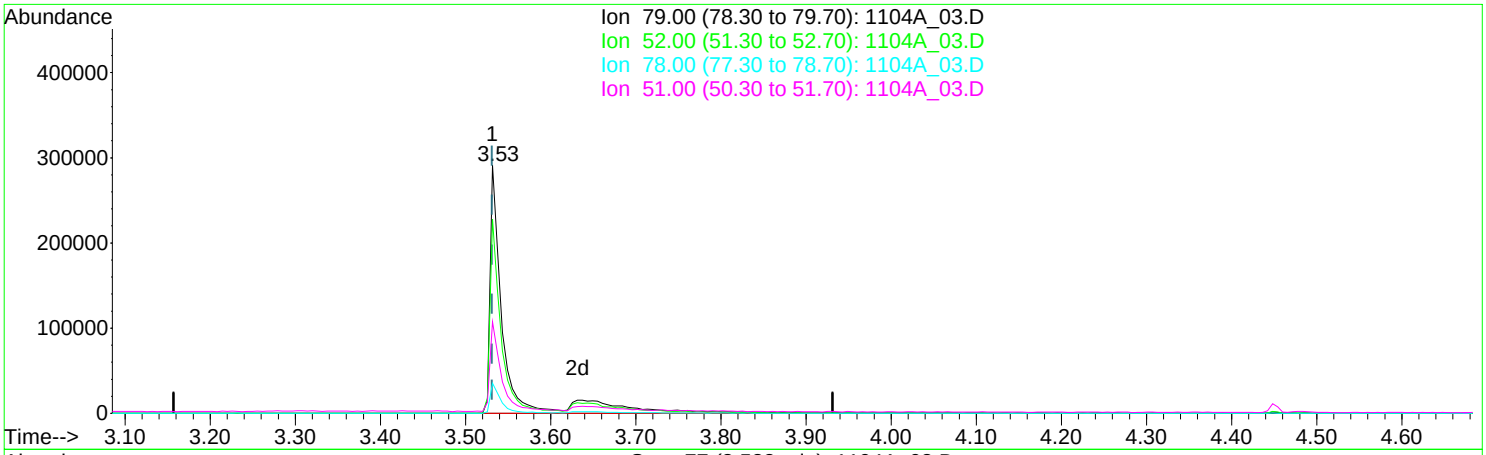
Ion	Exp%	Act%
79.00	100	100
52.00	78.30	78.32
78.00	12.10	12.11
51.00	36.90	36.03

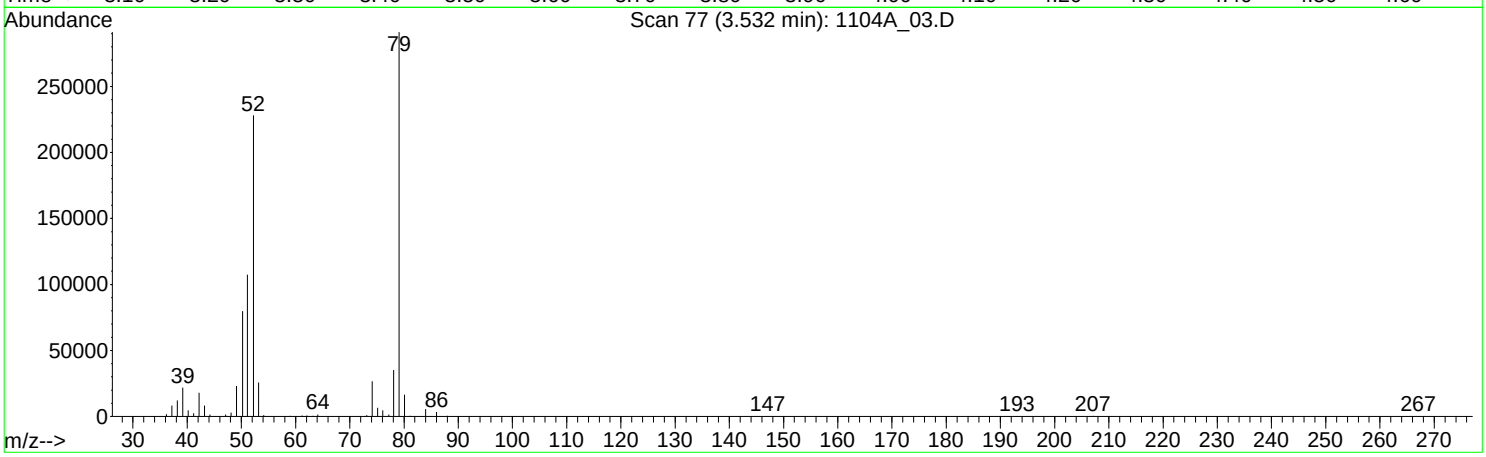
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:57 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(2) Pyridine (TM)
3.53min (0.000) 10000.0288543 ppb m

response 346570

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	78.32
78.00	12.10	12.11
51.00	36.90	36.89

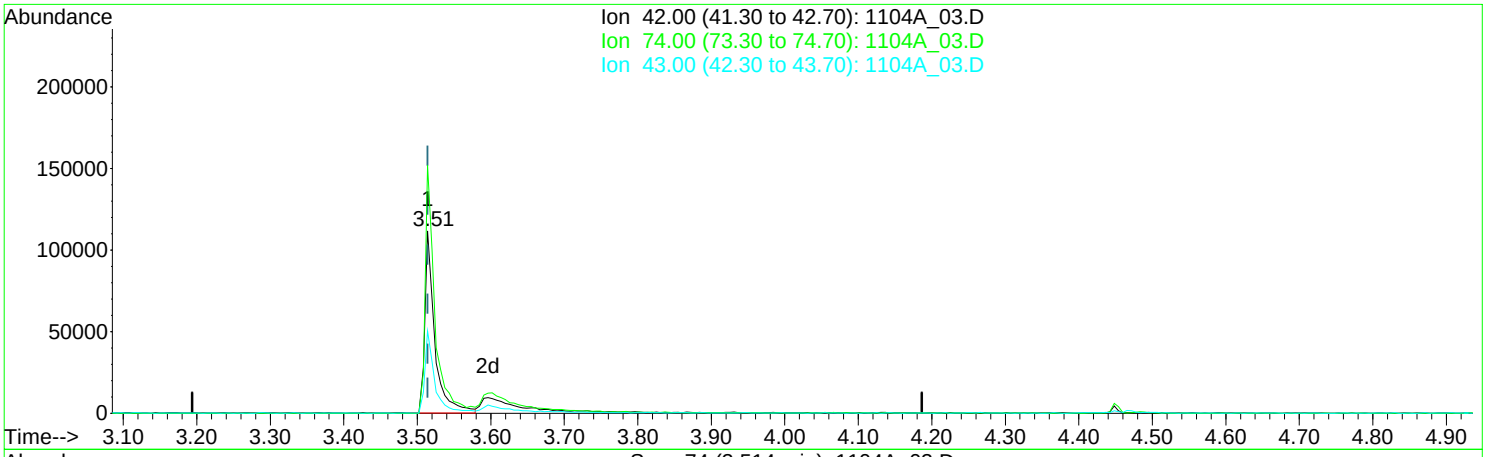
1104A_03.D S810K04K.M Sat Nov 05 12:57:30 2011

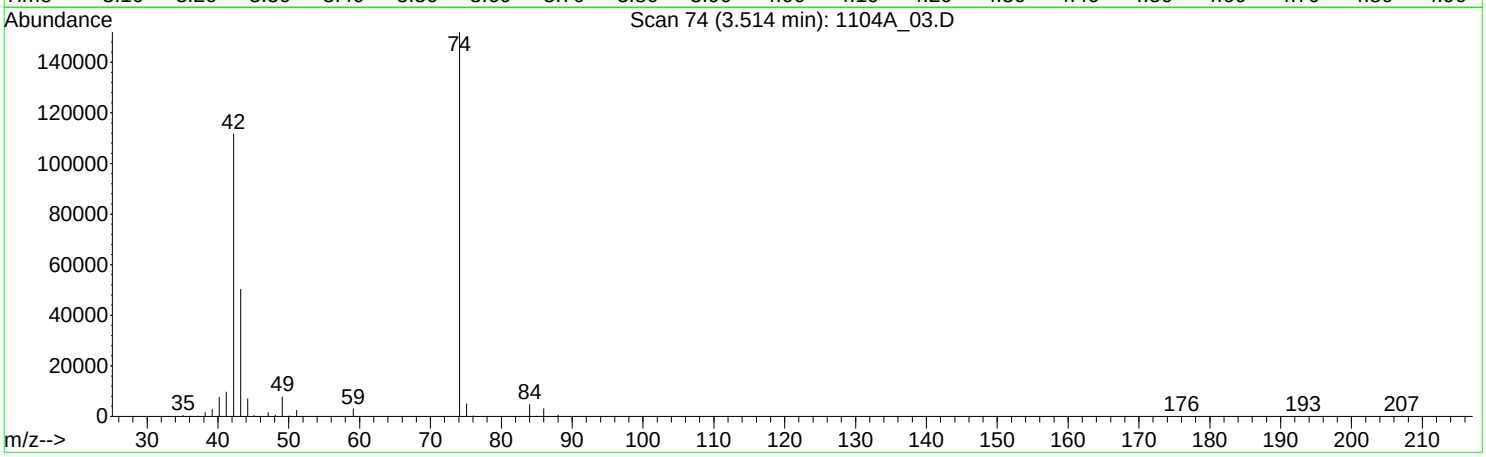
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:57 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(3) N-Nitrosodimethylamine (MT)
3.51min (0.000) 6761.8955885 ppb
Qvalue = 59
response 105303

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	134.93#
43.00	30.30	44.86
0.00	0.00	0.00

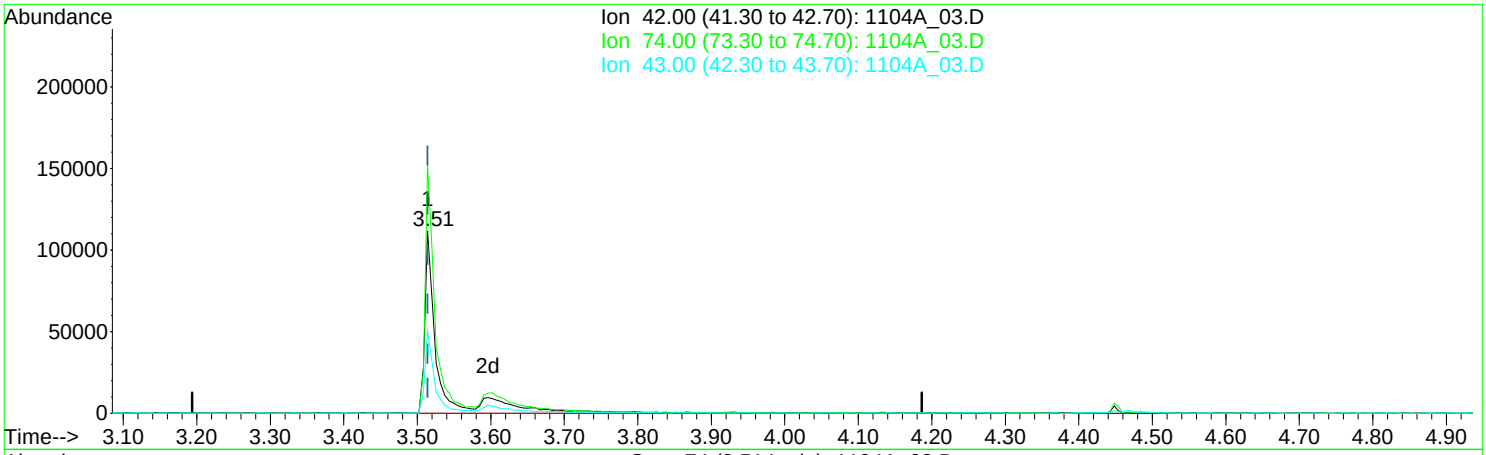
1104A_03.D S810K04K.M Sat Nov 05 12:57:32 2011

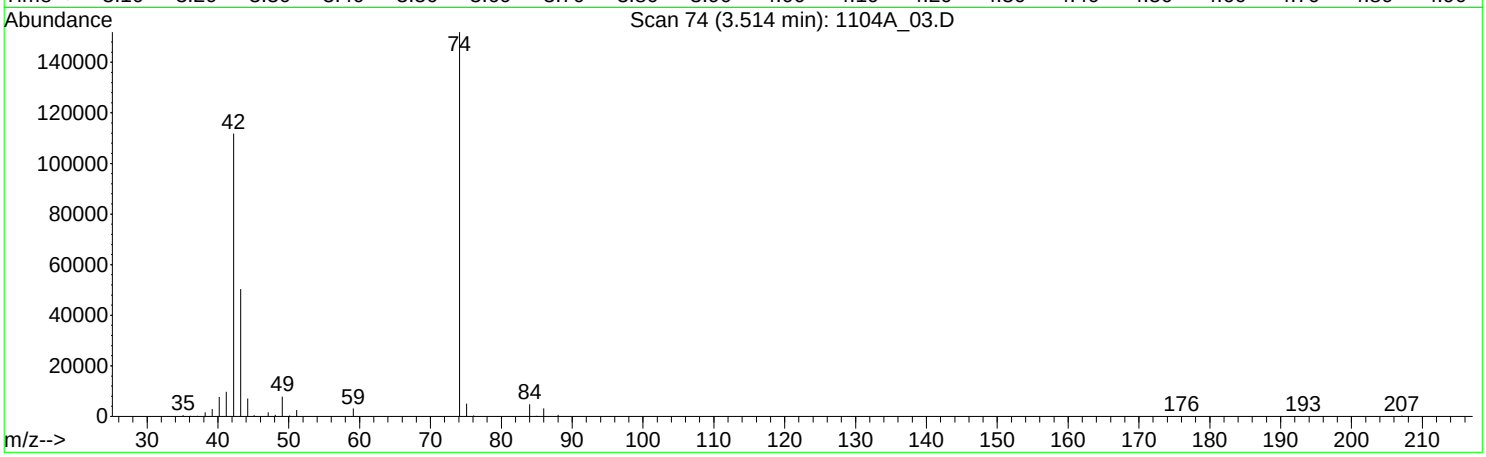
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:57 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(3) N-Nitrosodimethylamine (MT)
3.51min (0.000) 10002.6969755 ppb m

response 155772

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	91.21
43.00	30.30	30.33
0.00	0.00	0.00

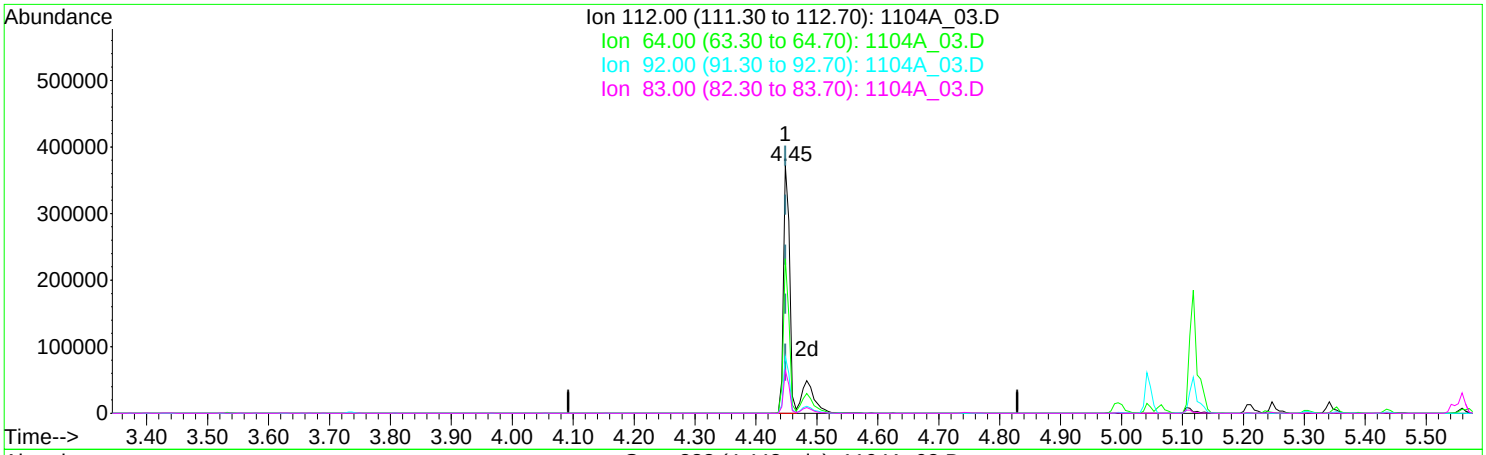
1104A_03.D S810K04K.M Sat Nov 05 12:57:36 2011

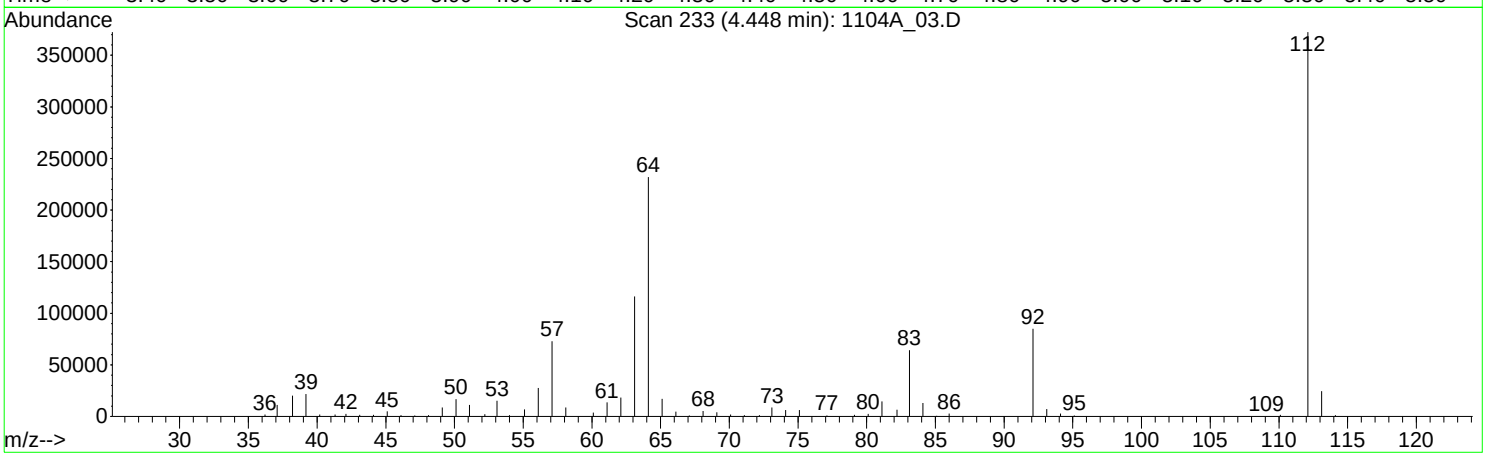
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:57 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(4) 2-Fluorophenol (S)
4.45min (0.000) 7930.8172863 ppb
Qvalue = 100
response 261897

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	62.28
92.00	22.80	22.83
83.00	17.30	17.27

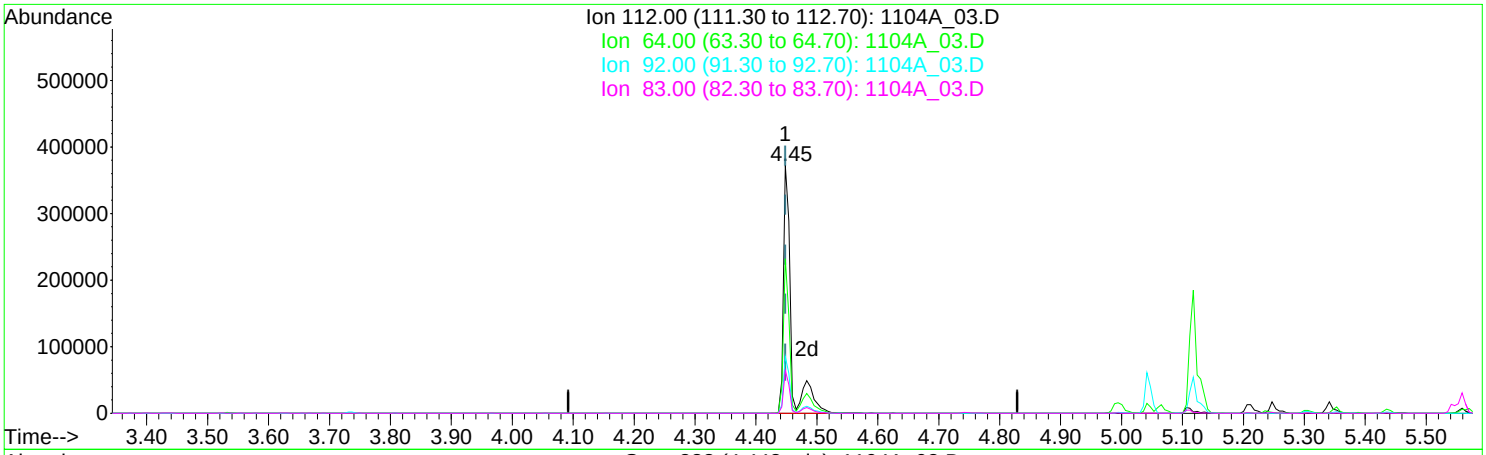
1104A_03.D S810K04K.M Sat Nov 05 12:57:39 2011

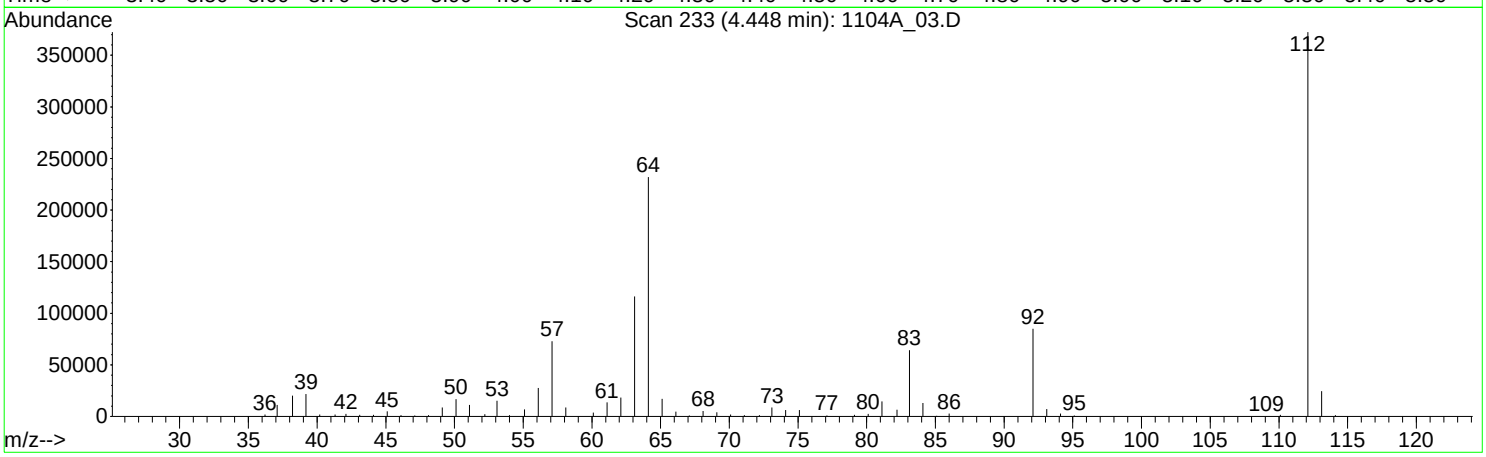
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:57 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(4) 2-Fluorophenol (S)
4.45min (0.000) 10010.5382055 ppb m

response 330575

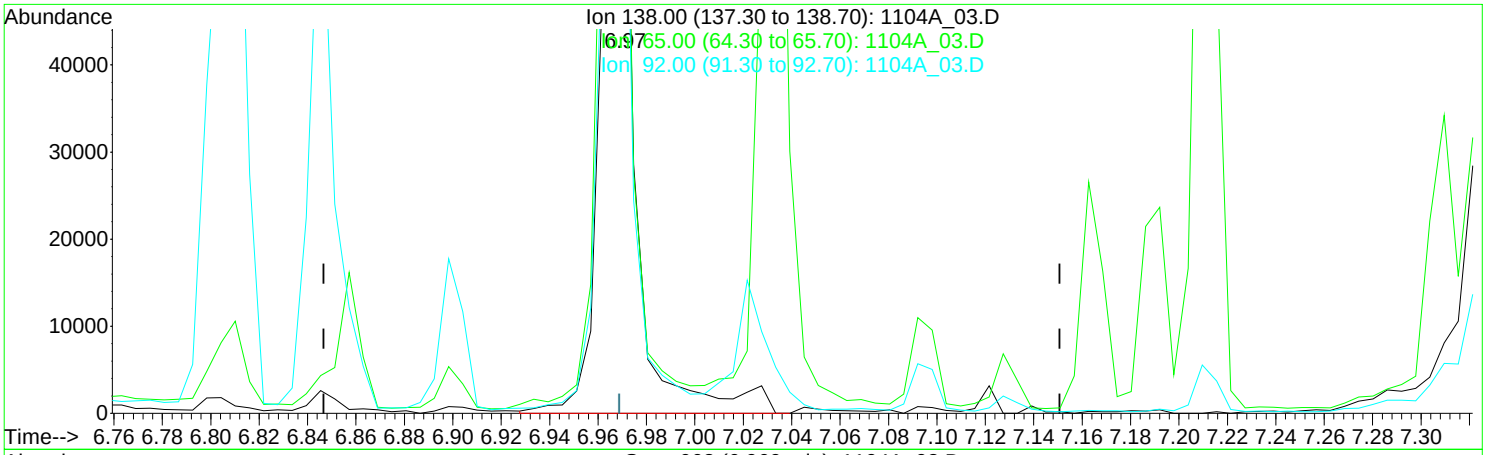
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	62.28
92.00	22.80	22.83
83.00	17.30	17.27

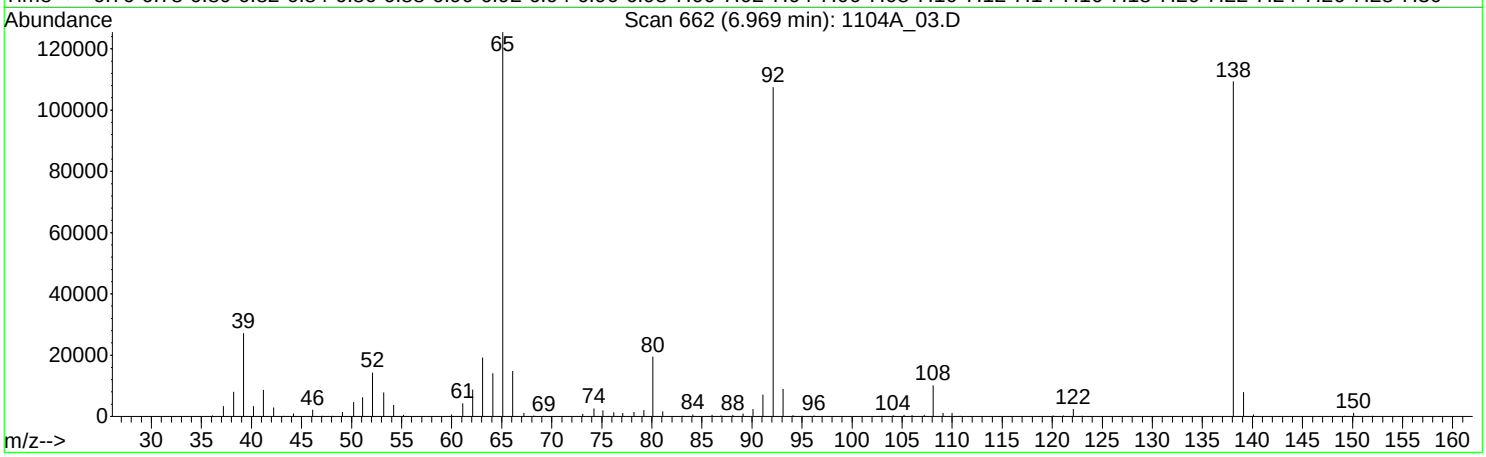
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(51) 3-Nitroaniline (MT)
6.97min (0.000) 10316.5629600 ppb
Qvalue = 100
response 83396

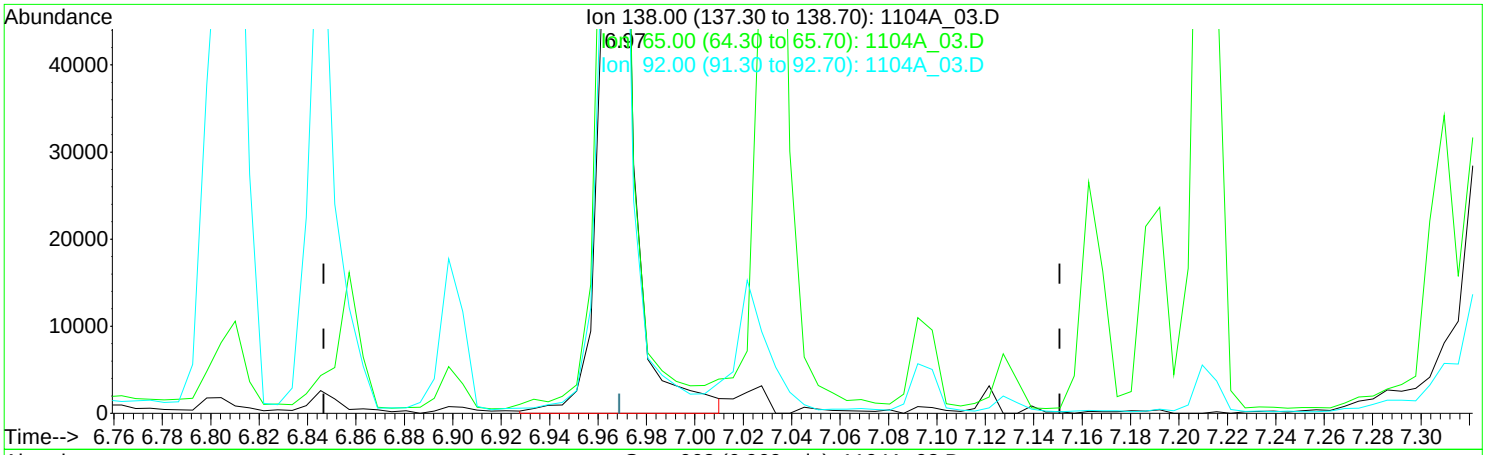
Ion	Exp%	Act%
138.00	100	100
65.00	114.70	114.73
92.00	98.30	98.30
0.00	0.00	0.00

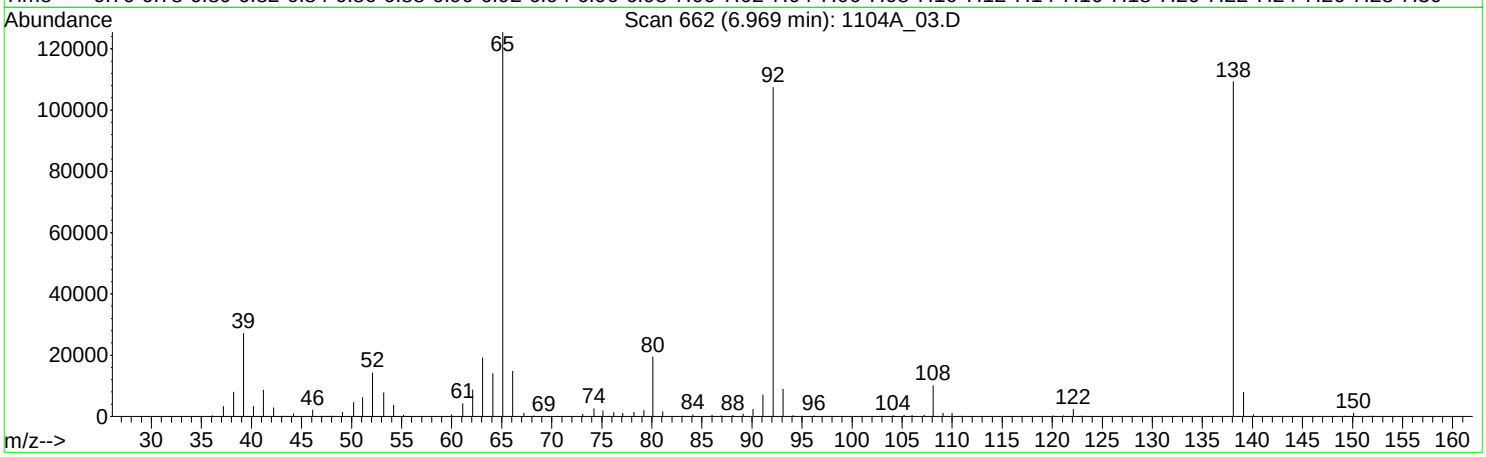
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(51) 3-Nitroaniline (MT)
6.97min (0.000) 10000.0000000 ppb m

response 80837

Ion	Exp%	Act%
138.00	100	100
65.00	114.70	114.73
92.00	98.30	98.30
0.00	0.00	0.00

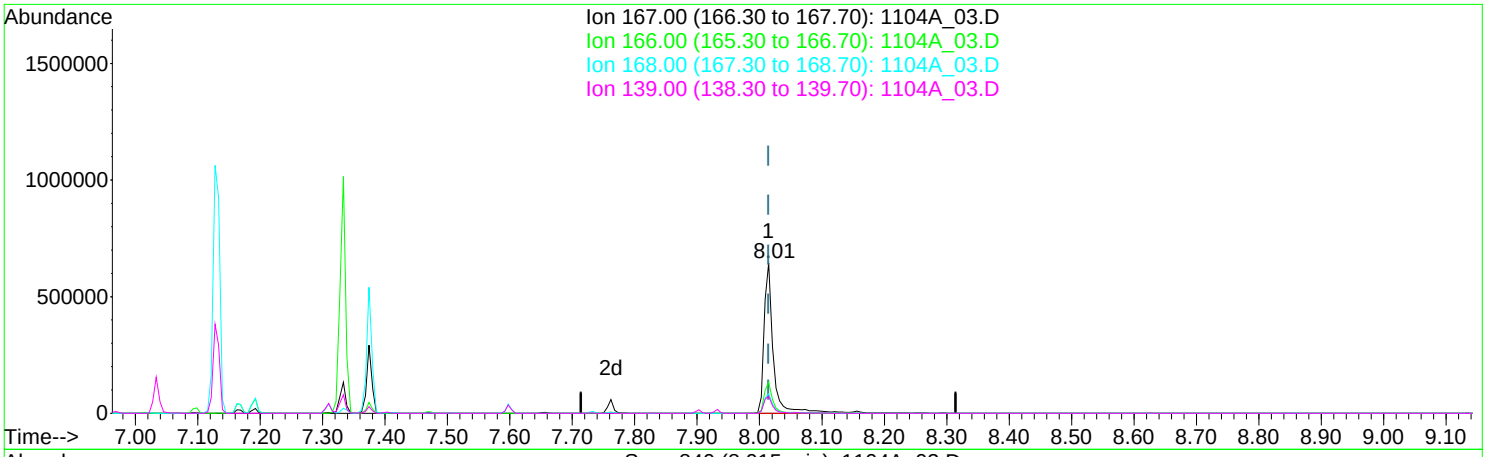
1104A_03.D S810K04K.M Sat Nov 05 12:58:50 2011

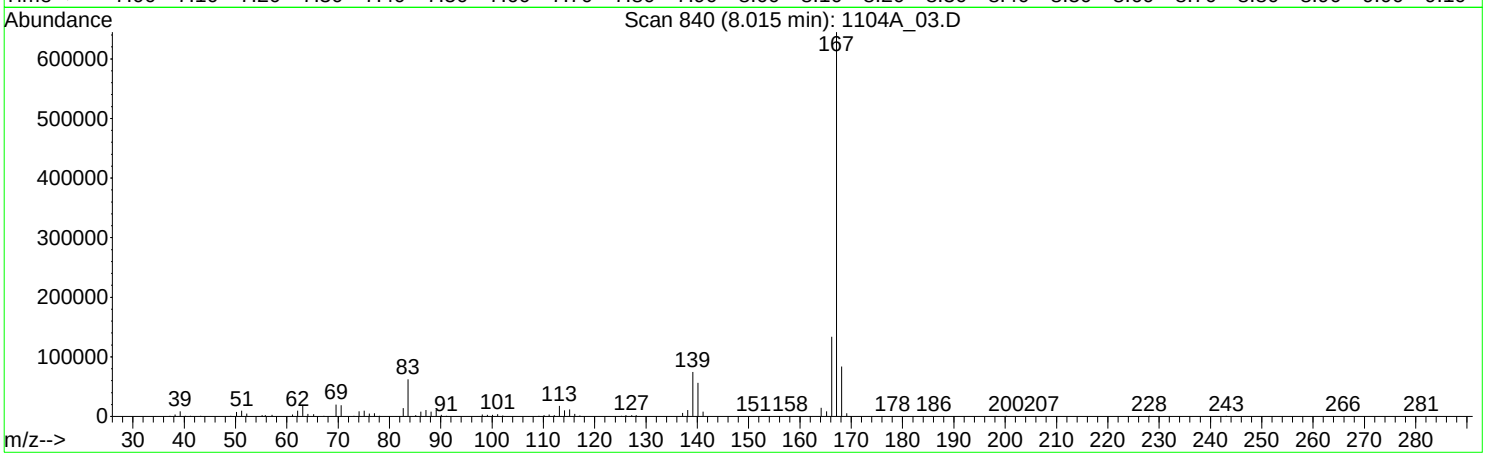
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(74) Carbazole (MT)

8.01min (0.000) 9741.8027483 ppb

Qvalue = 99
response 662427

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.54
168.00	13.30	13.69
139.00	11.80	12.16

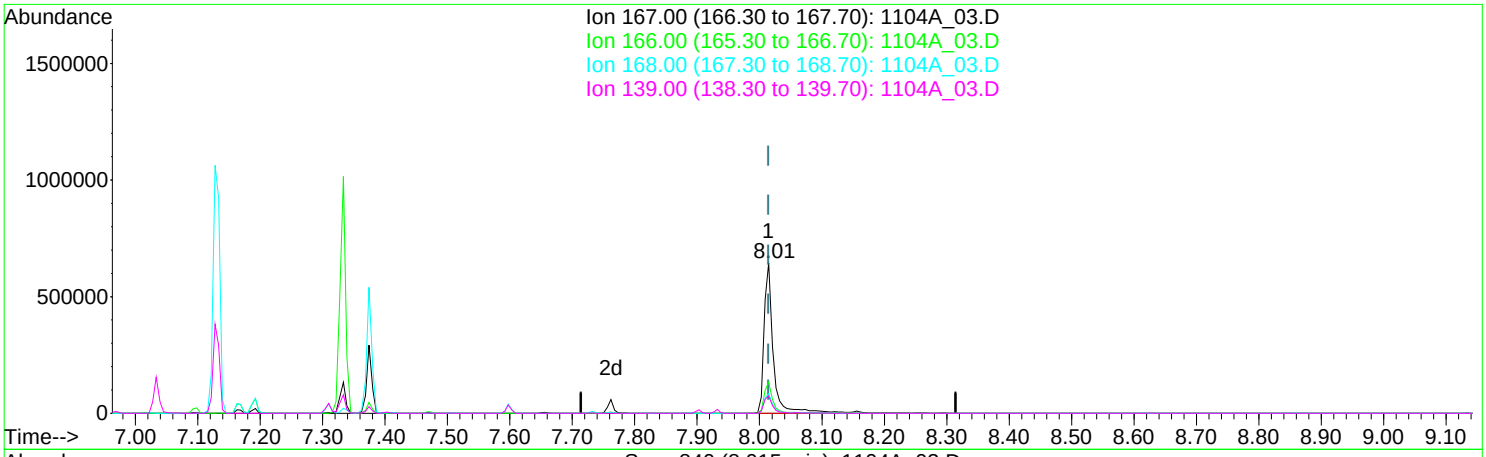
1104A_03.D S810K04K.M Sat Nov 05 12:59:11 2011

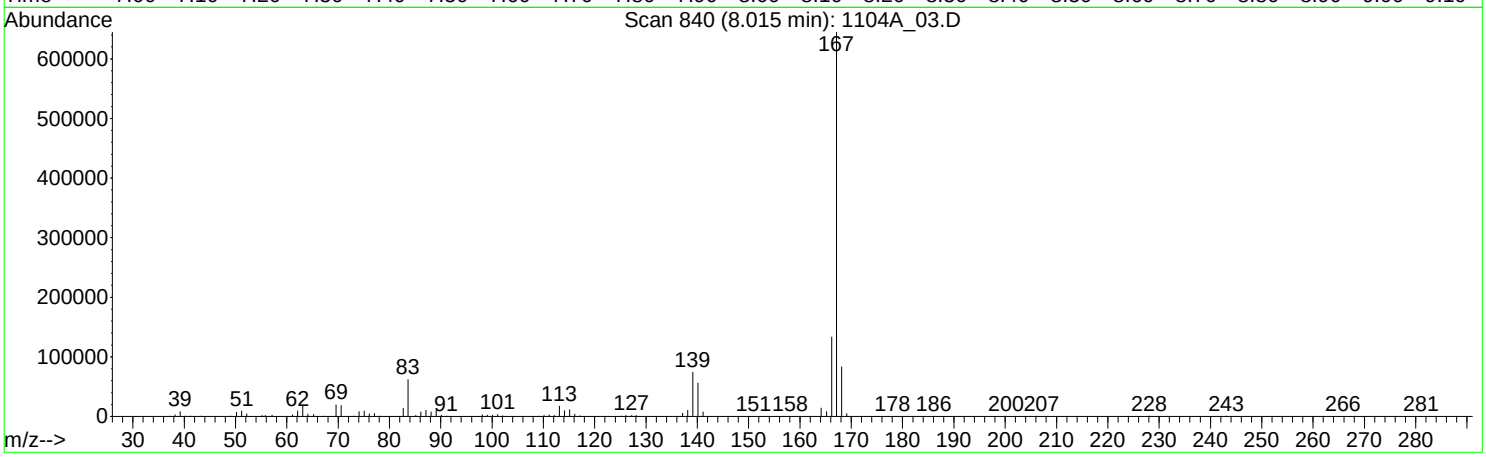
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:59 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(74) Carbazole (MT)
8.01min (0.000) 9996.7499235 ppb m

response 679763

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.02
168.00	13.30	13.34
139.00	11.80	11.85

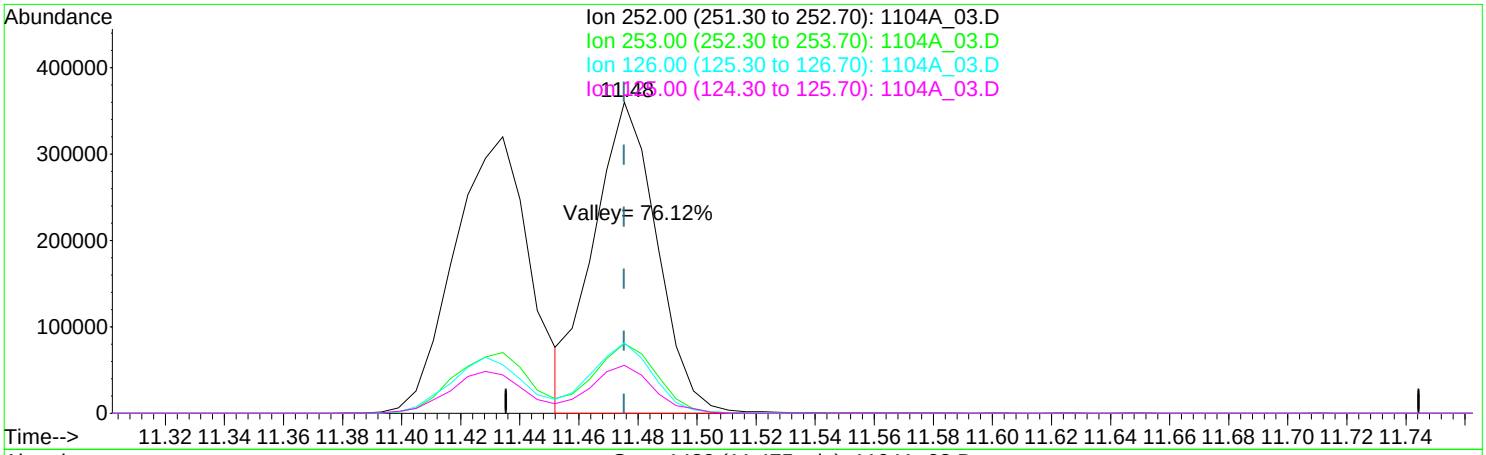
1104A_03.D S810K04K.M Sat Nov 05 12:59:16 2011

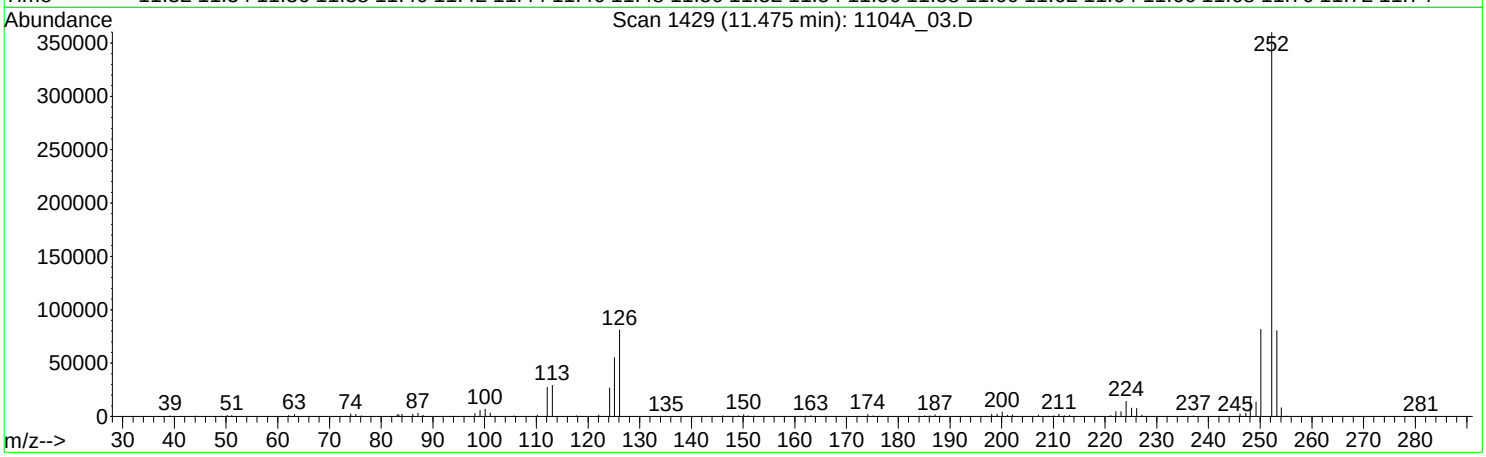
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:59 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_03.D

(90) Benzo(k)fluoranthene (MT)

11.48min (0.000) 10000.0000000 ppb

Qvalue = 100

response 541016

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	22.37
126.00	22.60	22.61
125.00	15.40	15.43

1104A_03.D S810K04K.M Sat Nov 05 12:59:35 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377
Sample : STD SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:59 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	182478	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	696907	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	373792	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	602800	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	400264	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	393295	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	330575m	10010.5382055 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 50052.69%#		
7) Phenol-d5	4.99	99	343286	10000.0000000 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 50000.00%#		
23) Nitrobenzene-d5	5.56	82	326521	10000.0000000 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 100000.00%#		
44) 2-Fluorobiphenyl	6.59	172	674583	10000.0000000 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 100000.00%#		
67) 2,4,6-Tribromophenol	7.47	330	67552	10000.0000000 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 50000.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 100000.00%#		

Target Compounds

					Qvalue
2) Pyridine	3.53	79	346570m	10000.0288543 ppb	
3) N-Nitrosodimethylamine	3.51	42	155772m	10002.6969755 ppb	
5) Aniline	5.04	93	351442	10000.0000000 ppb	100
6) bis(2-Chloroethyl)ether	5.07	93	397803	10000.0000000 ppb	100
8) Phenol	5.00	94	411261	10000.0000000 ppb	100
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.12	128	344773	10000.0000000 ppb	100
11) n-Decane	5.11	41	169116	10000.0000000 ppb	100
12) 1,3-Dichlorobenzene	5.21	146	383662	10000.0000000 ppb	100
13) 1,4-Dichlorobenzene	5.25	146	387616	10000.0000000 ppb	100
14) Benzyl Alcohol	5.31	79	233001	10000.0000000 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	355837	10000.0000000 ppb	100
16) bis(2-Chloroisopropyl)ethe	5.37	121	114490	10000.0000000 ppb	100
17) 2-Methylphenol	5.35	108	303366	10000.0000000 ppb	100
18) Hexachloroethane	5.54	117	138509	10000.0000000 ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377
Sample : STD SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:59 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	218671	10000.0000000	ppb	100
20)	3&4-Methyl phenol	5.44	107	330943	10000.0000000	ppb	100
21)	Acetophenone	0.00	105	0	N.D.	d	
24)	Nitrobenzene	5.57	77	305819	10000.0000000	ppb	100
25)	Isophorone	5.70	82	597559	10000.0000000	ppb	100
26)	2-Nitrophenol	5.75	139	177315	10000.0000000	ppb	100
27)	2,4-Dimethylphenol	5.75	107	298119	10000.0000000	ppb	100
28)	bis(2-Chlorethoxy)methane	5.81	93	373689	10000.0000000	ppb	100
29)	2,4-Dichlorophenol	5.89	162	263383	10000.0000000	ppb	100
30)	Benzoic Acid	0.00	105	0	N.D.	d	
31)	1,2,4-Trichlorobenzene	5.95	180	332886	10000.0000000	ppb	100
32)	Naphthalene	6.00	128	1001416	10000.0000000	ppb	100
33)	4-Chloroaniline	6.01	65	89155	10000.0000000	ppb	100
34)	Hexachloro-1,3-butadiene	6.05	225	163048	10000.0000000	ppb	100
35)	Caprolactam	0.00	113	0	N.D.	d	
36)	4-Chloro-3-methylphenol	6.27	107	268369	10000.0000000	ppb	100
37)	2-Methylnaphthalene	6.40	142	627862	10000.0000000	ppb	100
38)	1-Methylnaphthalene	6.46	142	648318	10000.0000000	ppb	100
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d	
41)	Hexachlorocyclopentadiene	6.48	237	123868	10000.0000000	ppb	100
42)	2,4,6-Trichlorophenol	6.55	196	186672	10000.0000000	ppb	100
43)	2,4,5-Trichlorophenol	6.58	196	183306	10000.0000000	ppb	100
45)	Biphenyl	6.66	154	750030	10000.0000000	ppb	100
46)	2-Chloronaphthalene	6.69	162	590235	10000.0000000	ppb	100
47)	2-Nitroaniline	6.73	138	176096	10000.0000000	ppb	100
48)	Acenaphthylene	6.93	152	897913	10000.0000000	ppb	100
49)	Dimethyl phthalate	6.81	163	652979	10000.0000000	ppb	100
50)	2,6-Dinitrotoluene	6.86	165	149412	10000.0000000	ppb	100
51)	3-Nitroaniline	6.97	138	80837m	10000.0000000	ppb	
52)	Acenaphthene	7.03	153	598252	10000.0000000	ppb	100
53)	2,4-Dinitrophenol	7.02	184	42632	10000.0000000	ppb	100
54)	Dibenzofuran	7.13	168	786994	10000.0000000	ppb	100
55)	2,4-Dinitrotoluene	7.10	165	180418	10000.0000000	ppb	100
57)	4-Nitrophenol	7.03	139	96715	10000.0000000	ppb	100
58)	Fluorene	7.33	166	631918	10000.0000000	ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377
Sample : STD SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:59 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	320358	10000.0000000	ppb	100
60)	Diethyl phthalate	7.21	149	642292	10000.0000000	ppb	100
61)	4-Nitroaniline	7.33	138	76411	10000.0000000	ppb	100
62)	Azobenzene	7.40	77	592140	10000.0000000	ppb	100
63)	Atrazine	0.00	200	0	N.D.	d	
65)	4,6-Dinitro-2-methylphenol	7.33	198	68548	10000.0000000	ppb	100
66)	N-Nitrosodiphenylamine	7.37	169	509871	10000.0000000	ppb	100
68)	4-Bromophenyl-phenylether	7.60	248	173413	10000.0000000	ppb	100
69)	Hexachlorobenzene	7.66	284	193614	10000.0000000	ppb	100
70)	n-octadecane	7.73	55	108166	10000.0000000	ppb	100
71)	Pentachlorophenol	7.76	266	95042	10000.0000000	ppb	100
72)	Phenanthrene	7.90	178	889120	10000.0000000	ppb	100
73)	Anthracene	7.93	178	876817	10000.0000000	ppb	100
74)	Carbazole	8.01	167	679763m	9996.7499235	ppb	
75)	Di-n-butyl phthalate	8.16	149	1130751	10000.0000000	ppb	100
76)	2-nitrodiphenylamine	0.00	167	0	N.D.	d	
77)	Fluoranthene	8.63	202	917352	10000.0000000	ppb	100
79)	Benzidine	0.00	184	0	N.D.	d	
80)	Pyrene	8.80	202	895234	10000.0000000	ppb	100
82)	Benzylbutyl phthalate	9.22	149	441632	10000.0000000	ppb	100
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.89	228	609957	10000.0000000	ppb	100
85)	Chrysene	9.94	228	573738	10000.0000000	ppb	100
86)	bis(2-Ethylhexyl)phthalate	9.78	149	640689	10000.0000000	ppb	100
87)	Di-n-octyl phthalate	10.66	149	951363	10000.0000000	ppb	100
89)	Benzo(b)fluoranthene	11.43	252	564523	10000.0000000	ppb	100
90)	Benzo(k)fluoranthene	11.48	252	541016	10000.0000000	ppb	100
91)	Benzo(a)pyrene	12.02	252	532708	10000.0000000	ppb	100
92)	Indeno(1,2,3-cd)pyrene	13.80	276	689281	10000.0000000	ppb	100
94)	Benzo(g,h,i)perylene	14.30	276	603527	10000.0000000	ppb	100

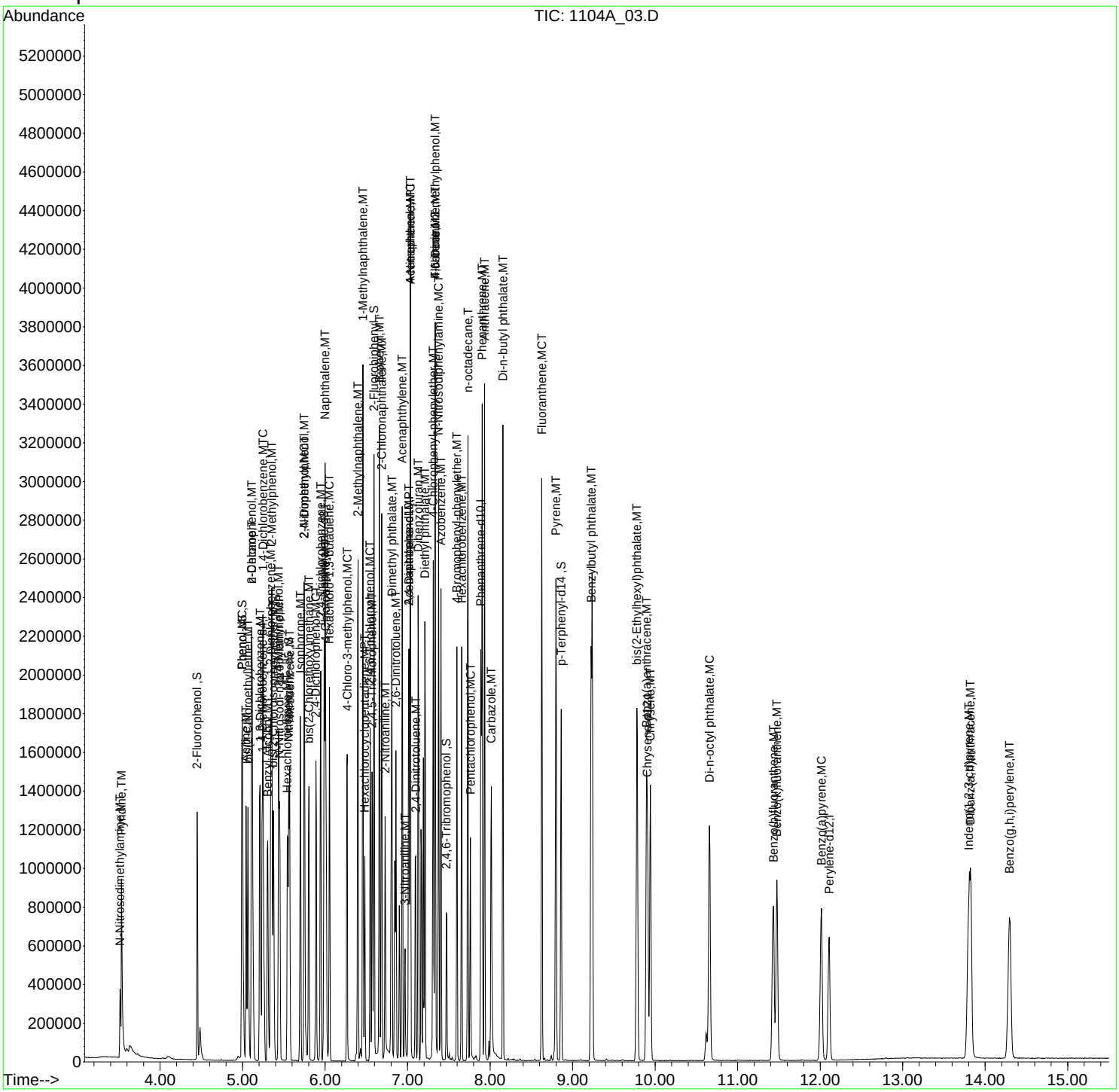
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:59 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration

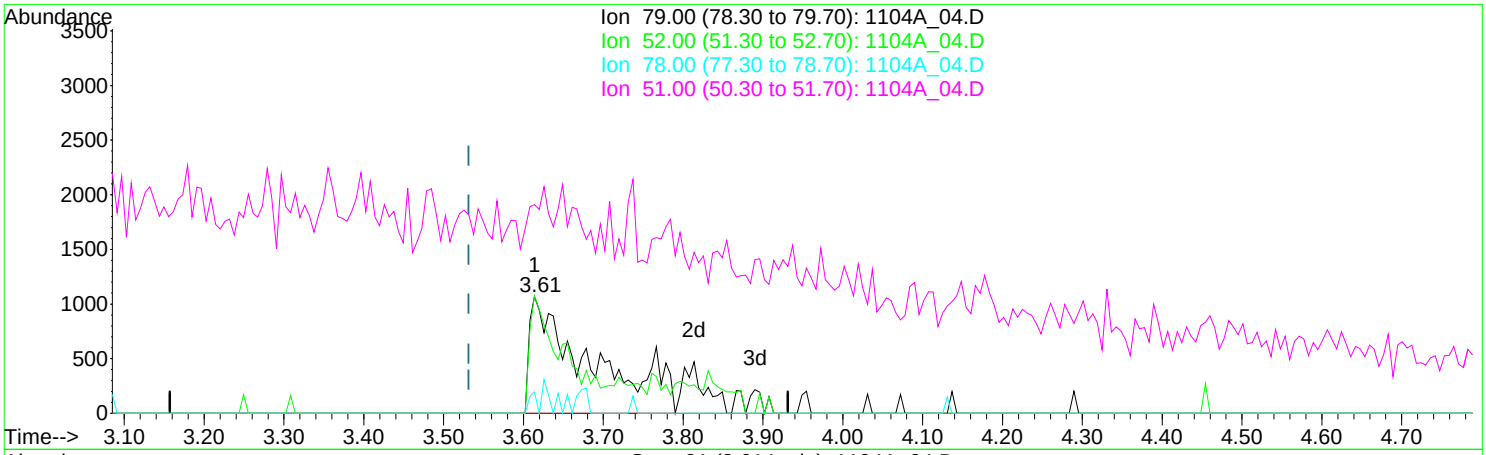


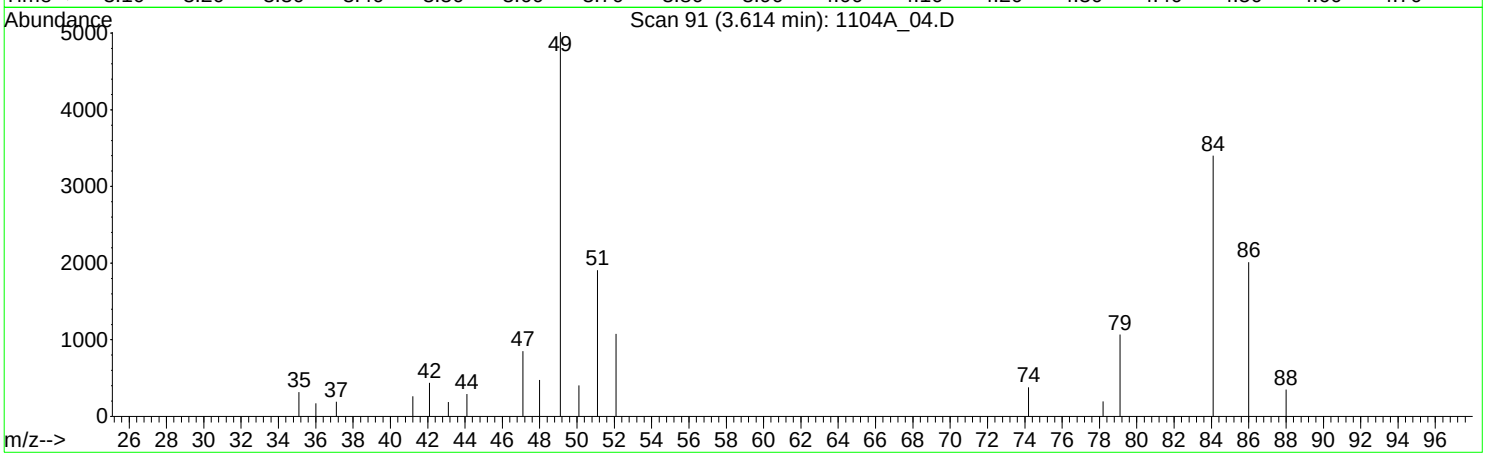
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_04.D

(2) Pyridine (TM)
3.61min (+0.082) 128.7129434 ppb
Qvalue = 79
response 5586

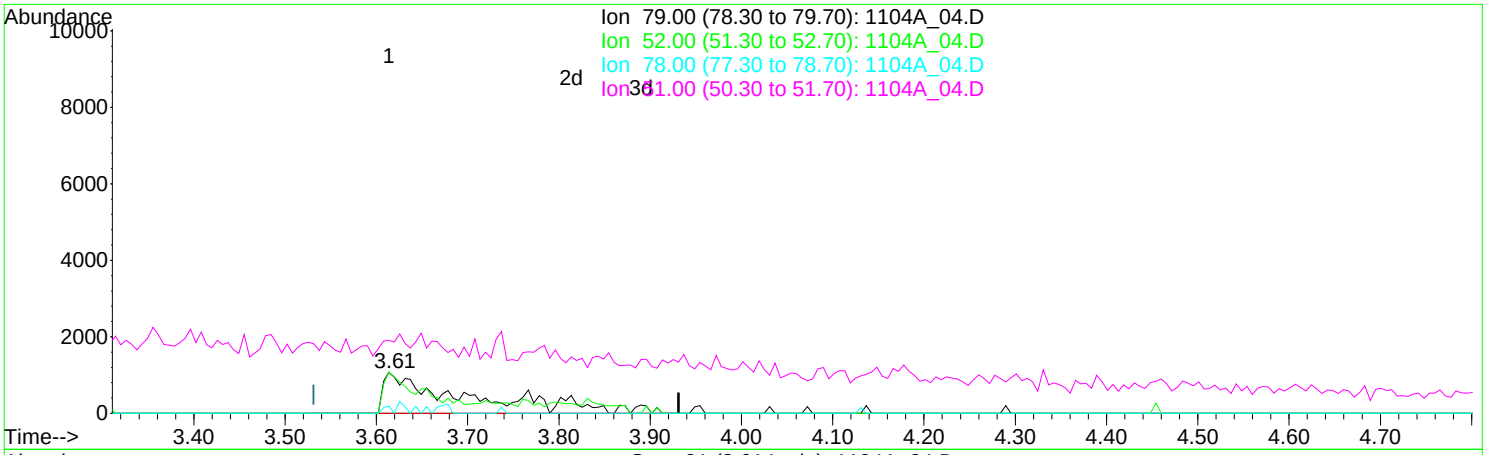
Ion	Exp%	Act%
79.00	100	100
52.00	78.30	100.75#
78.00	12.10	18.26#
51.00	36.90	43.82

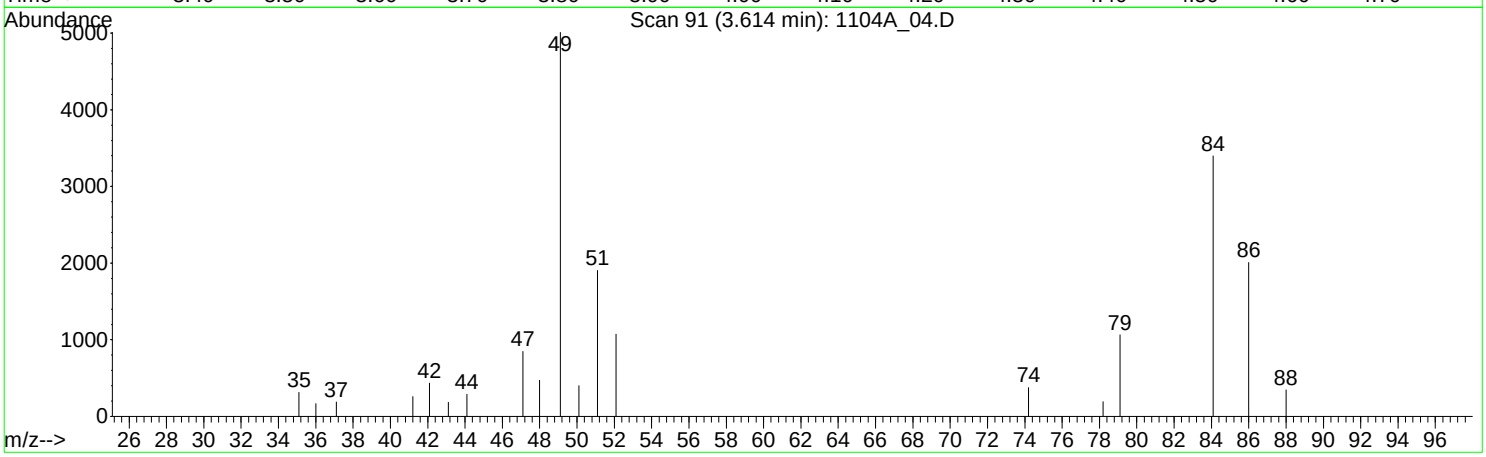
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:00 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_04.D

(2) Pyridine (TM)
3.61min (+0.082) 158.5754523 ppb m

response 6882

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	100.75#
78.00	12.10	18.26#
51.00	36.90	178.75#

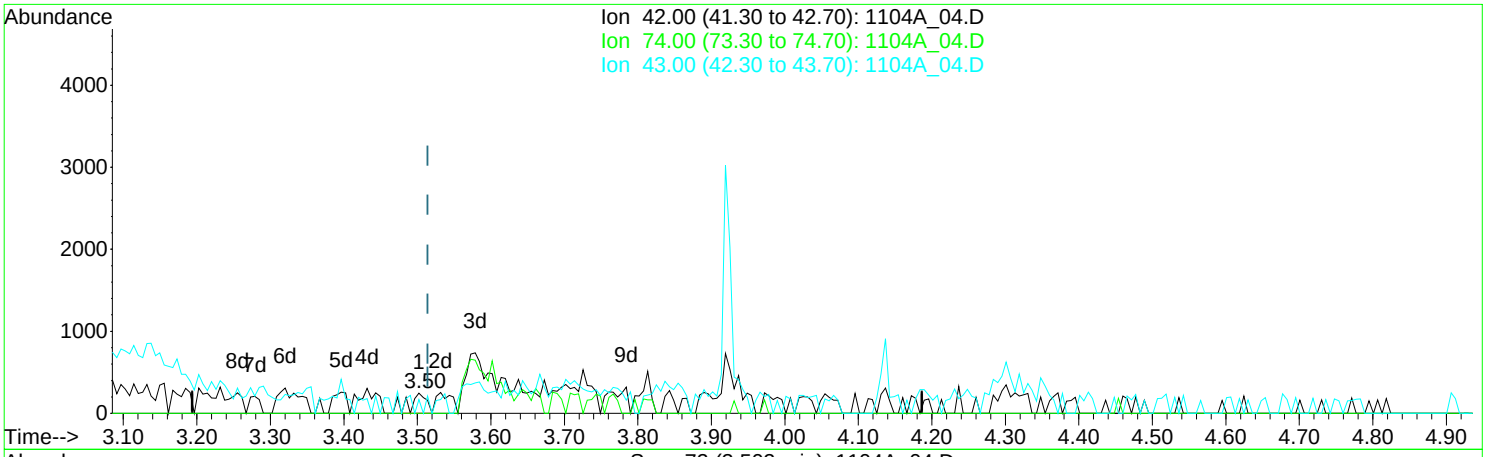
1104A_04.D S810K04K.M Sat Nov 05 13:00:40 2011

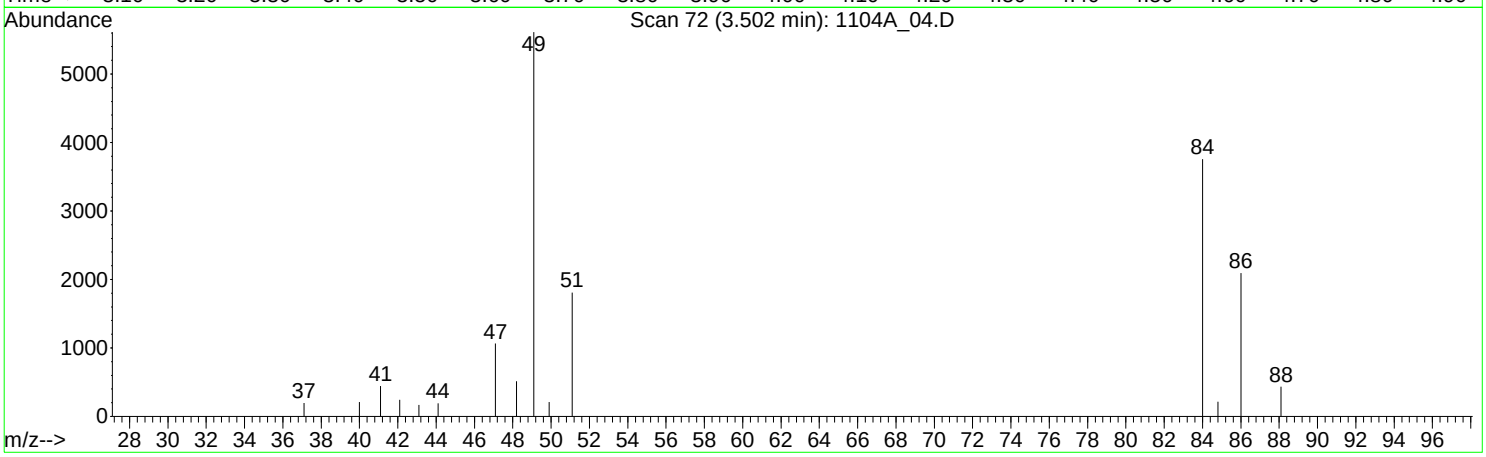
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:00 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_04.D

(3) N-Nitrosodimethylamine (MT)
3.50min (-0.012) 17.5886635 ppb
Qvalue = 23
response 343

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	0.00#
43.00	30.30	40.82
0.00	0.00	0.00

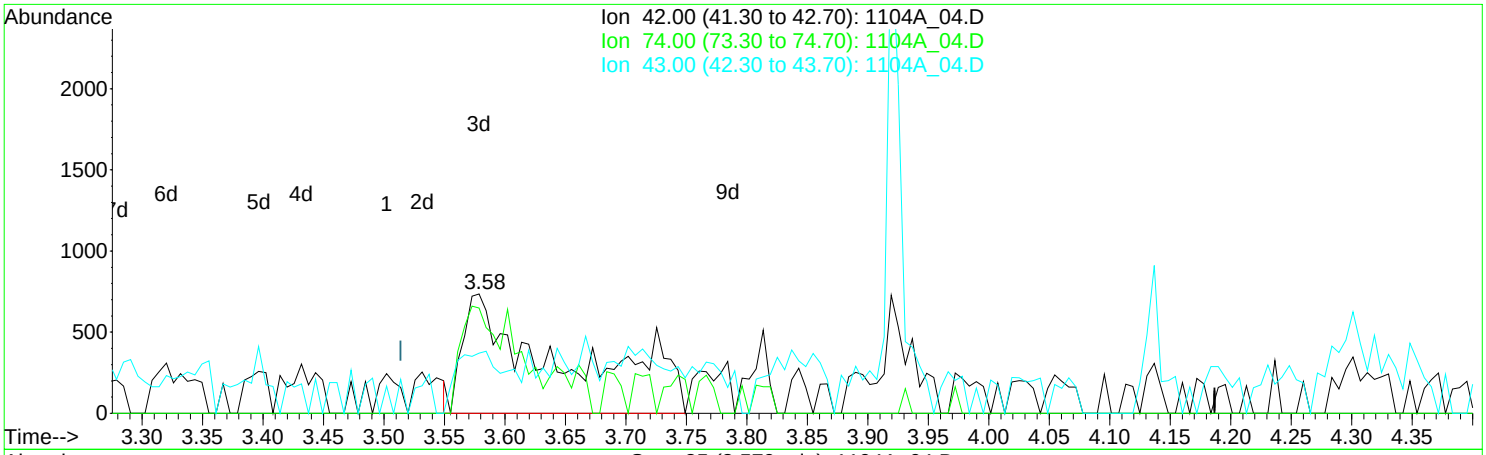
1104A_04.D S810K04K.M Sat Nov 05 13:00:45 2011

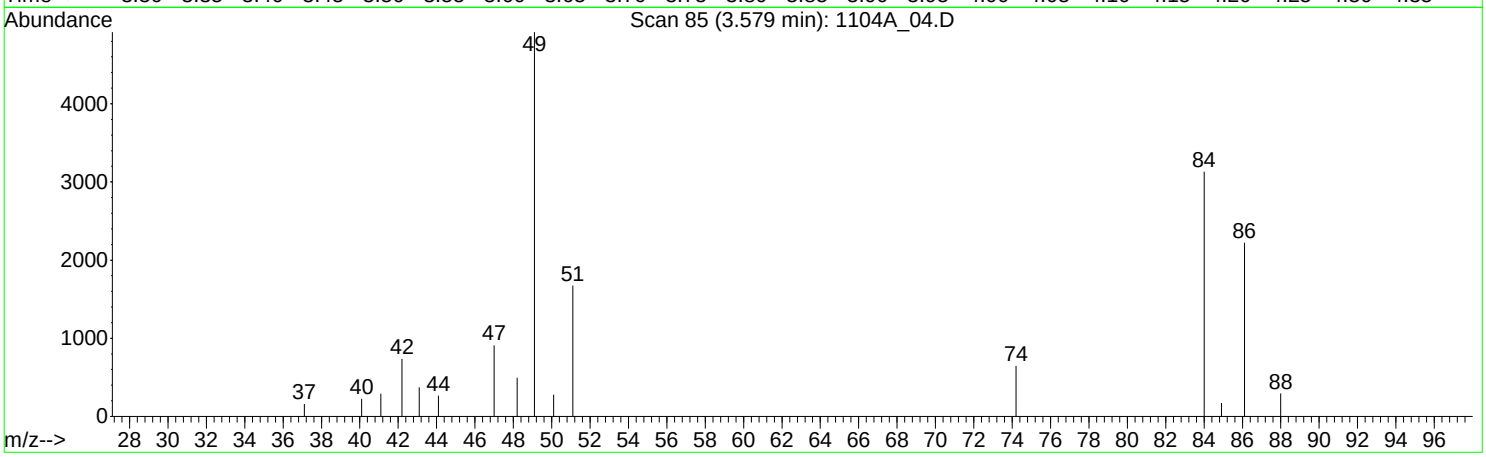
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:01 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_04.D

(3) N-Nitrosodimethylamine (MT)
3.58min (+0.065) 212.8587235 ppb m

response 4151

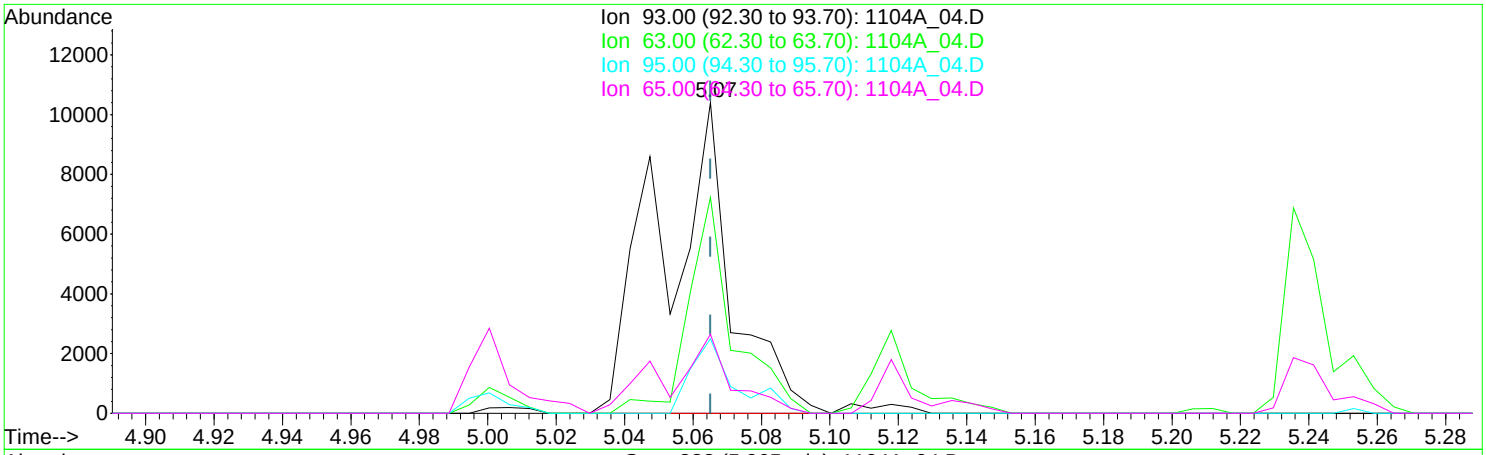
Ion	Exp%	Act%
42.00	100	100
74.00	91.20	0.00#
43.00	30.30	3.37#
0.00	0.00	0.00

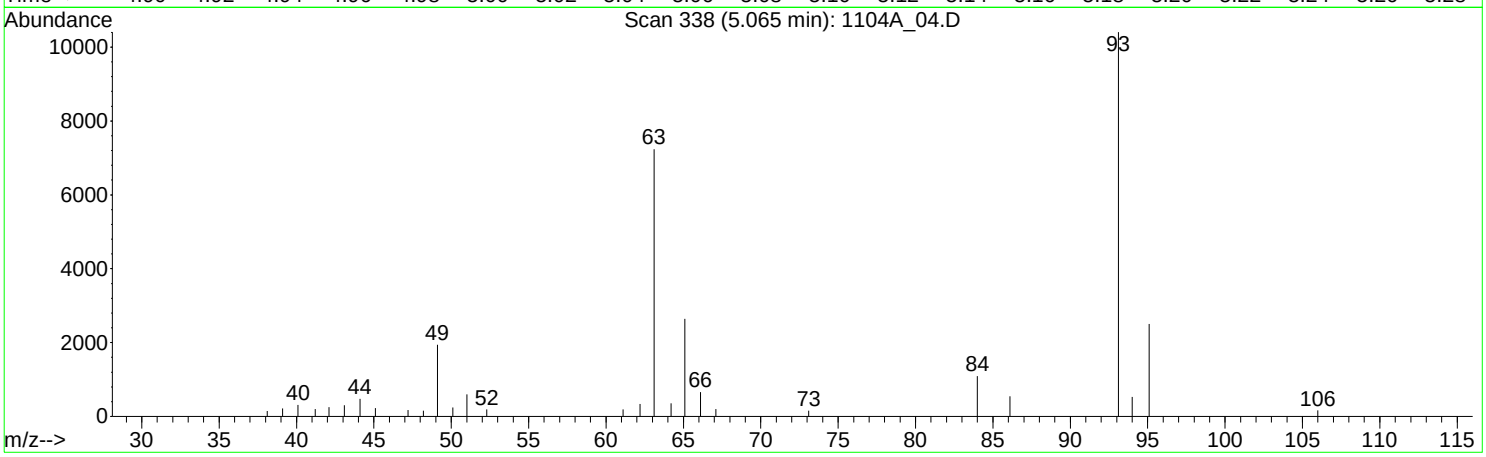
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:01 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_04.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (-0.000) 301.3973026 ppb
Qvalue = 97
response 15014

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	69.50
95.00	27.50	24.03
65.00	23.30	25.40

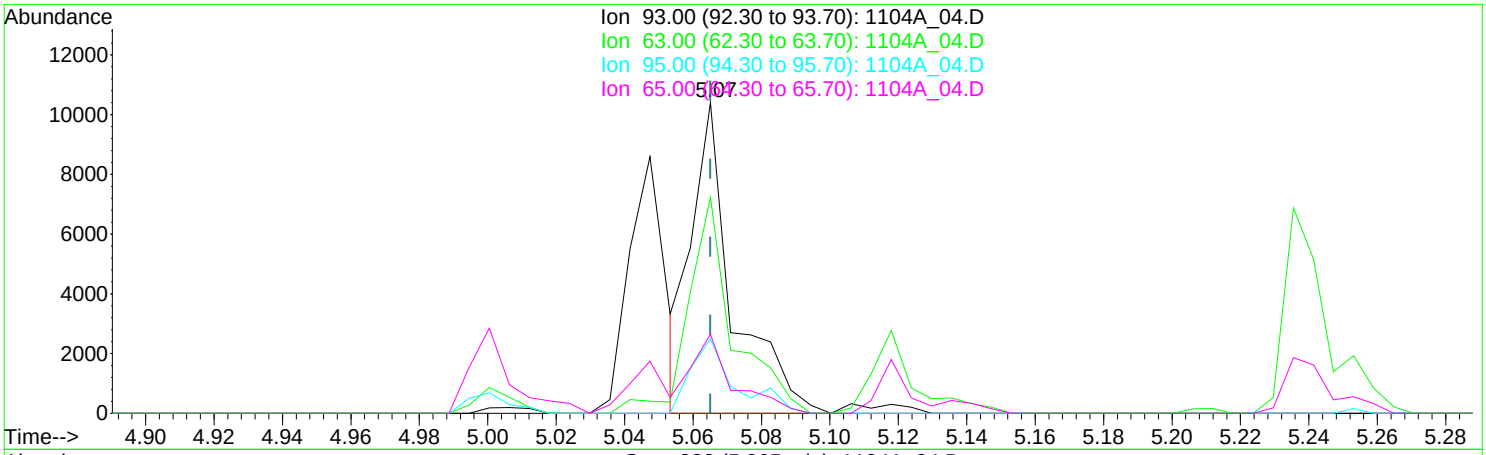
1104A_04.D S810K04K.M Sat Nov 05 13:01:25 2011

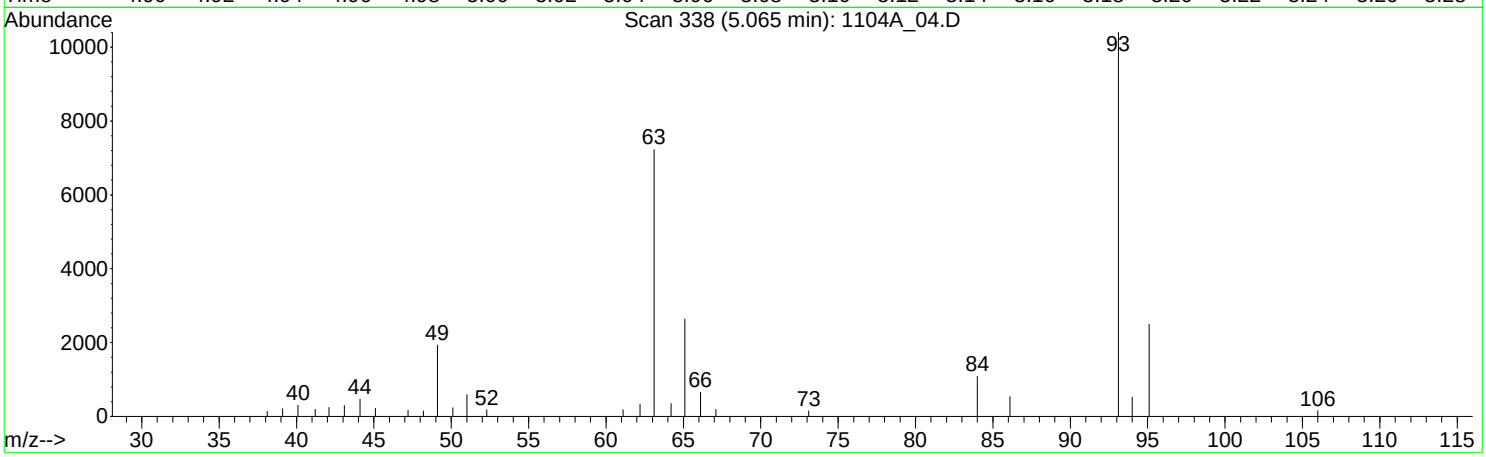
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:01 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Multiple Level Calibration





TIC: 1104A_04.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (-0.000) 174.7879522 ppb m

response 8707

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	69.50
95.00	27.50	24.03
65.00	23.30	25.40

1104A_04.D S810K04K.M Sat Nov 05 13:01:29 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377
Sample : STD SVMS 200 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:01 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	228507	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	875808	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	475739	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	716502	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	474962	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	457664	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.45	112	6457	156.1454059 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 780.73%#		
7) Phenol-d5	4.99	99	6422	149.3912677 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 746.96%#		
23) Nitrobenzene-d5	5.56	82	7158	174.4401675 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 1744.40%#		
44) 2-Fluorobiphenyl	6.59	172	15105	175.9327066 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 1759.33%#		
67) 2,4,6-Tribromophenol	7.47	330	1045	130.1469262 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 650.73%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 1564.32%#		

Target Compounds					Qvalue
2) Pyridine	3.61	79	6882m	158.5754523 ppb	
3) N-Nitrosodimethylamine	3.58	42	4151m	212.8587235 ppb	
5) Aniline	5.05	93	6308	143.3339359 ppb	95
6) bis(2-Chloroethyl)ether	5.07	93	8707m	174.7879522 ppb	
8) Phenol	5.00	94	9446	183.4177737 ppb	98
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.12	128	7564	175.1980532 ppb	99
11) n-Decane	5.11	41	5021	237.0917963 ppb #	98
12) 1,3-Dichlorobenzene	5.21	146	8657	180.1895642 ppb	97
13) 1,4-Dichlorobenzene	5.25	146	8329	171.5940285 ppb #	67
14) Benzyl Alcohol	5.31	79	4655	159.5412183 ppb	94
15) 1,2-Dichlorobenzene	5.34	146	8532	191.4744128 ppb	93
16) bis(2-Chloroisopropyl)ethe	5.38	121	2742	191.2541637 ppb	85
17) 2-Methylphenol	5.35	108	6831	179.8160212 ppb	98
18) Hexachloroethane	5.55	117	3206	184.8402418 ppb #	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377
Sample : STD SVMS 200 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:01 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	4735	172.9178377	ppb		97
20)	3&4-Methyl phenol	5.44	107	7215	174.0981434	ppb		95
21)	Acetophenone	0.00	105	0	N.D.	d		
24)	Nitrobenzene	5.57	77	6698	174.2796175	ppb		97
25)	Isophorone	5.70	82	12314	163.9775058	ppb		92
26)	2-Nitrophenol	5.75	139	3622	162.5432310	ppb		88
27)	2,4-Dimethylphenol	5.75	107	5733	153.0235260	ppb		96
28)	bis(2-Chlorethoxy)methane	5.81	93	8290	176.5265914	ppb		95
29)	2,4-Dichlorophenol	5.89	162	5277	159.4282478	ppb		89
30)	Benzoic Acid	0.00	105	0	N.D.	d		
31)	1,2,4-Trichlorobenzene	5.95	180	7694	183.9172947	ppb		91
32)	Naphthalene	6.00	128	23438	186.2395625	ppb		98
33)	4-Chloroaniline	6.01	65	2037	181.8072692	ppb	#	77
34)	Hexachloro-1,3-butadiene	6.05	225	3587	175.0579424	ppb		96
35)	Caprolactam	0.00	113	0	N.D.	d		
36)	4-Chloro-3-methylphenol	6.27	107	4943	146.5629445	ppb		94
37)	2-Methylnaphthalene	6.40	142	13360	169.3199681	ppb		97
38)	1-Methylnaphthalene	6.46	142	14210	174.4102149	ppb		98
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.			
41)	Hexachlorocyclopentadiene	6.48	237	1853	117.5377954	ppb		92
42)	2,4,6-Trichlorophenol	6.55	196	2901	122.1039730	ppb		90
43)	2,4,5-Trichlorophenol	6.58	196	3361	144.0632071	ppb		82
45)	Biphenyl	6.66	154	17910	187.6195966	ppb		99
46)	2-Chloronaphthalene	6.69	162	13686	182.1850867	ppb		98
47)	2-Nitroaniline	6.73	138	3004	134.0329833	ppb		99
48)	Acenaphthylene	6.93	152	19377	169.5561422	ppb		98
49)	Dimethyl phthalate	6.81	163	13771	165.7019086	ppb		96
50)	2,6-Dinitrotoluene	6.86	165	2590	136.1995058	ppb		95
51)	3-Nitroaniline	6.97	138	1983	192.7408515	ppb	#	85
52)	Acenaphthene	7.03	153	13612	178.7718063	ppb		96
53)	2,4-Dinitrophenol	7.03	184	196	36.1228170	ppb	#	1
54)	Dibenzofuran	7.13	168	18046	180.1651463	ppb		100
55)	2,4-Dinitrotoluene	7.09	165	2515	109.5265410	ppb	#	73
57)	4-Nitrophenol	7.05	139	928	75.3902853	ppb	#	80
58)	Fluorene	7.33	166	14004	174.1215894	ppb		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377
Sample : STD SVMS 200 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:01 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	6823	167.3404931 ppb		95
60)	Diethyl phthalate	7.21	149	13387	163.7615716 ppb		99
61)	4-Nitroaniline	7.32	138	1499	154.1370335 ppb		89
62)	Azobenzene	7.40	77	12064	160.0767197 ppb		94
63)	Atrazine	0.00	200	0	N.D. d		
65)	4,6-Dinitro-2-methylphenol	7.34	198	790	96.9590027 ppb	#	74
66)	N-Nitrosodiphenylamine	7.37	169	10818	178.5017600 ppb		98
68)	4-Bromophenyl-phenylether	7.60	248	3822	185.4235399 ppb		98
69)	Hexachlorobenzene	7.66	284	3995	173.5944607 ppb		85
70)	n-octadecane	7.73	55	2631	204.6378268 ppb	#	90
71)	Pentachlorophenol	7.77	266	859	76.0384812 ppb		95
72)	Phenanthrene	7.90	178	20286	191.9516627 ppb		98
73)	Anthracene	7.93	178	17877	171.5305639 ppb		98
74)	Carbazole	8.01	167	13206	163.3911147 ppb		98
75)	Di-n-butyl phthalate	8.16	149	19893	148.0093457 ppb		98
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.63	202	17108	156.8985992 ppb		98
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.80	202	16926	159.3328906 ppb		98
82)	Benzylbutyl phthalate	9.22	149	6379	121.7249863 ppb		95
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.89	228	12566	173.6143034 ppb		94
85)	Chrysene	9.94	228	11904	174.8505366 ppb		94
86)	bis(2-Ethylhexyl)phthalate	9.78	149	8692	114.3299771 ppb		92
87)	Di-n-octyl phthalate	10.66	149	11954	105.8899299 ppb		95
89)	Benzo(b)fluoranthene	11.43	252	10323	157.1433328 ppb		90
90)	Benzo(k)fluoranthene	11.48	252	10293	163.4946466 ppb		89
91)	Benzo(a)pyrene	12.02	252	9432	152.1550063 ppb		99
92)	Indeno(1,2,3-cd)pyrene	13.79	276	12385	154.4085614 ppb		93
94)	Benzo(g,h,i)perylene	14.30	276	11980	170.5814443 ppb		83

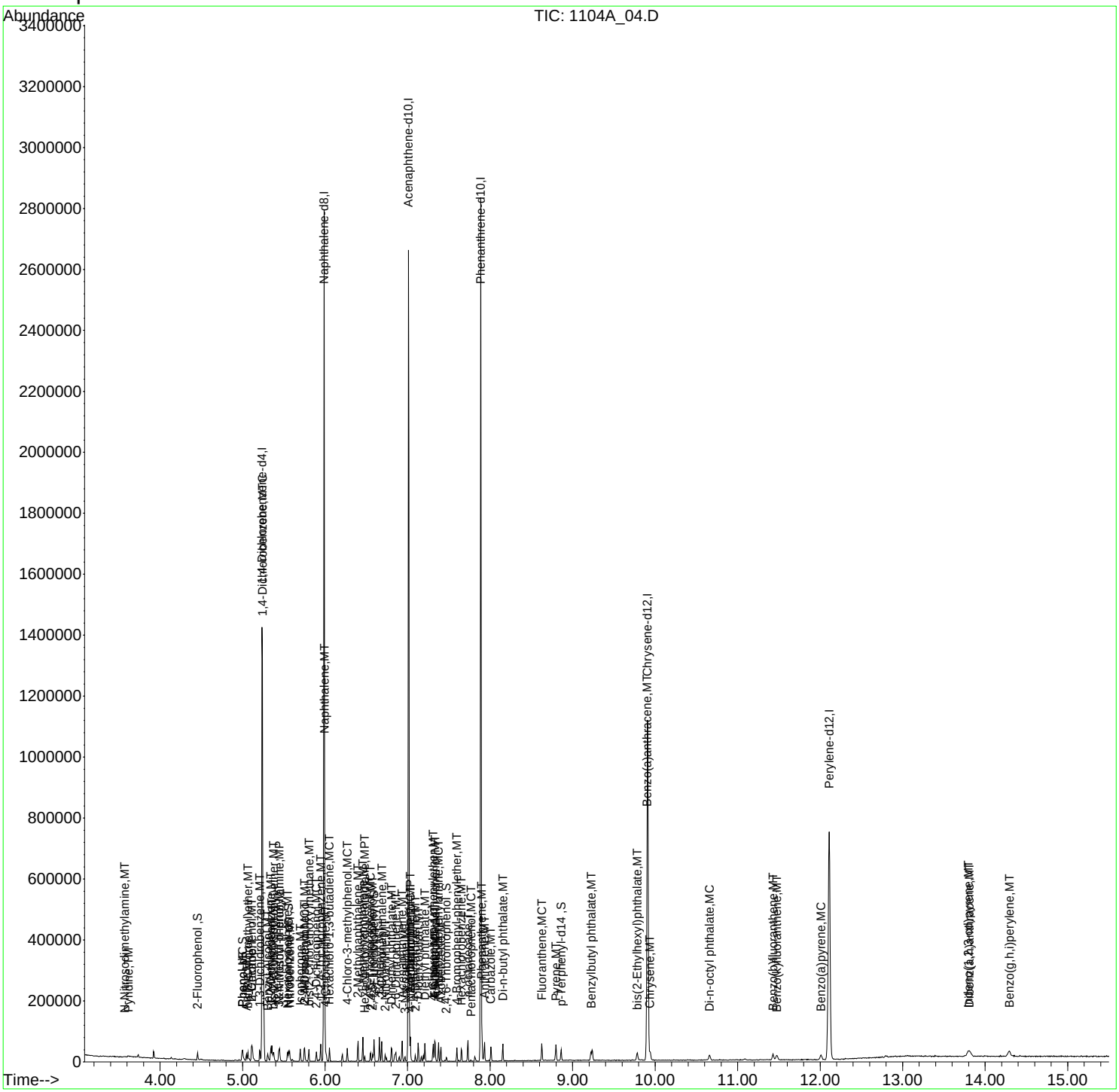
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:01 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:00:14 2011
Response via : Initial Calibration

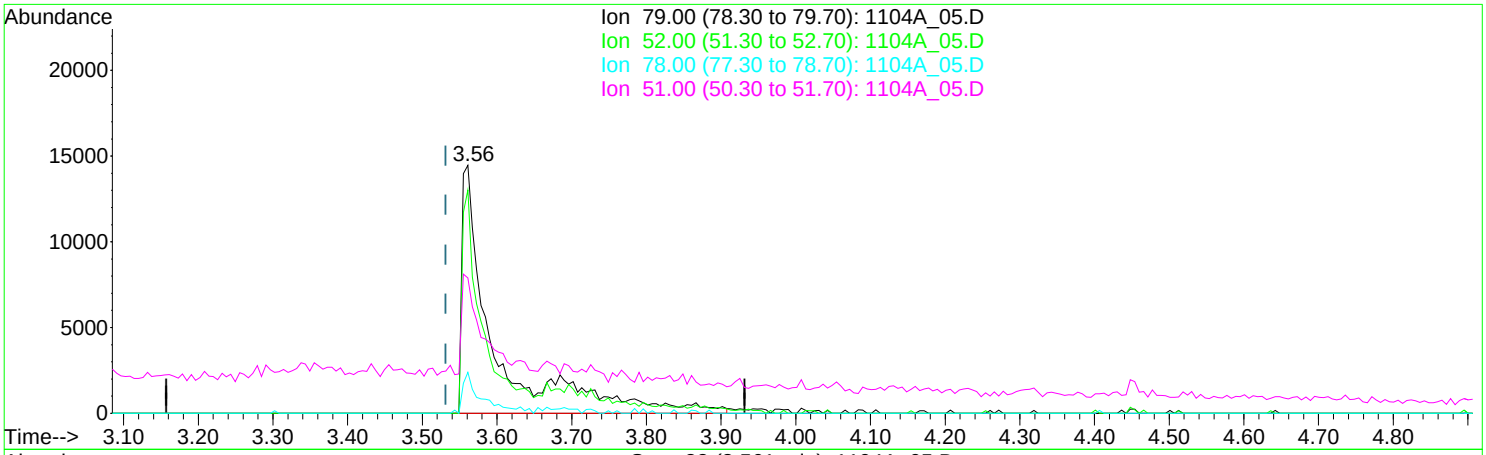


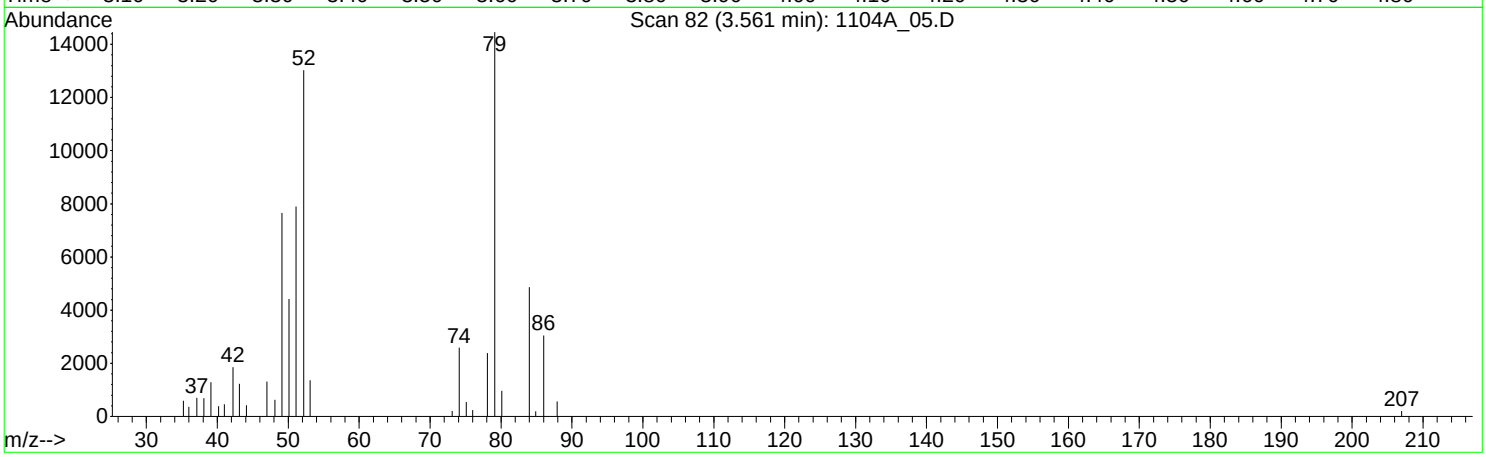
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:04:19 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(2) Pyridine (TM)
3.56min (+0.029) 884.0266109 ppb
Qvalue = 87
response 43465

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	90.05
78.00	12.10	16.53#
51.00	36.90	43.92

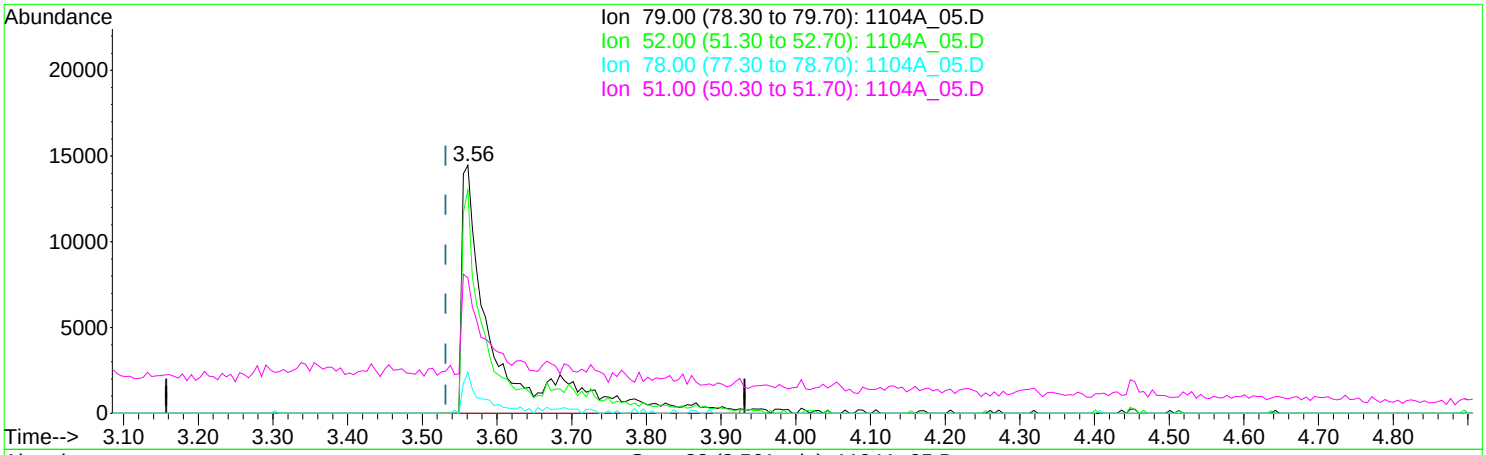
1104A_05.D S810K04K.M Sat Nov 05 13:04:32 2011

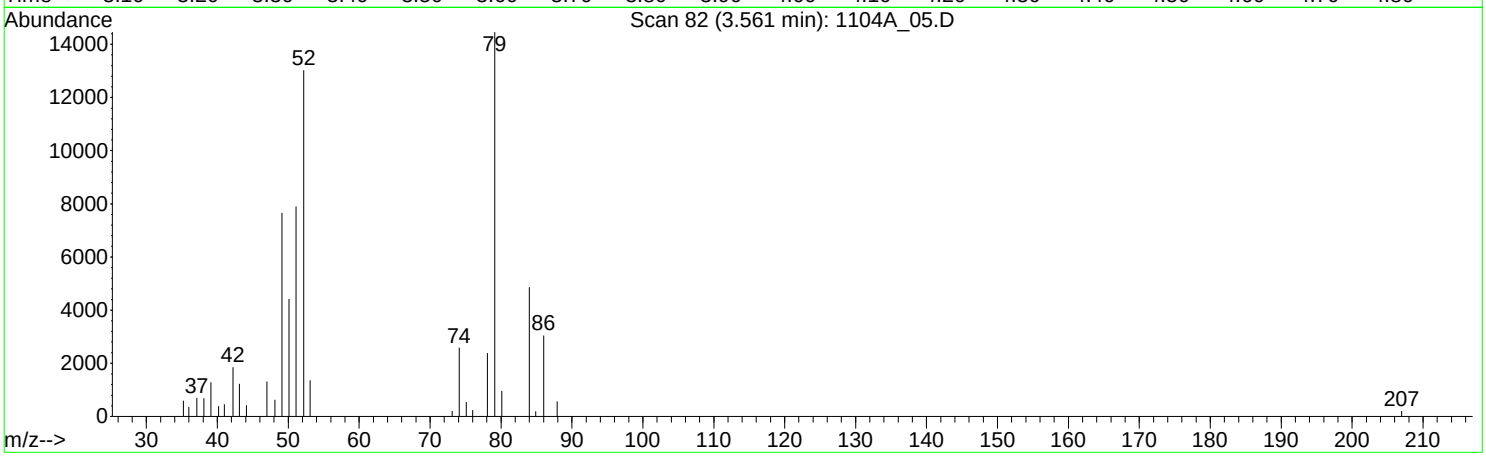
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:04 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:04:19 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(2) Pyridine (TM)
3.56min (+0.029) 889.3350418 ppb m

response 43726

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	90.05
78.00	12.10	16.53#
51.00	36.90	54.65#

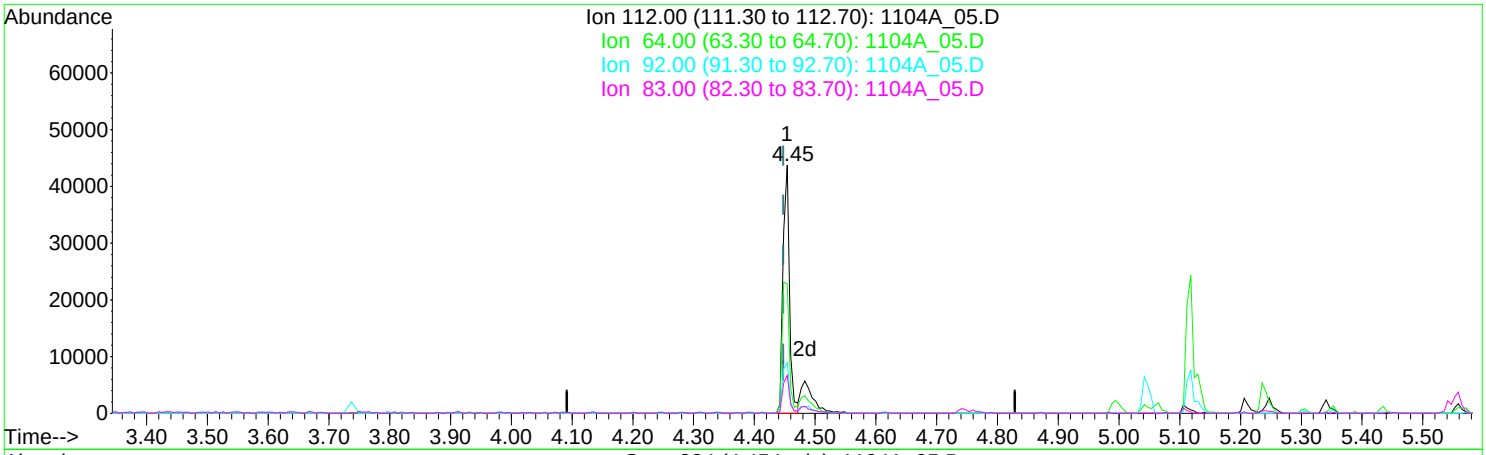
1104A_05.D S810K04K.M Sat Nov 05 13:04:36 2011

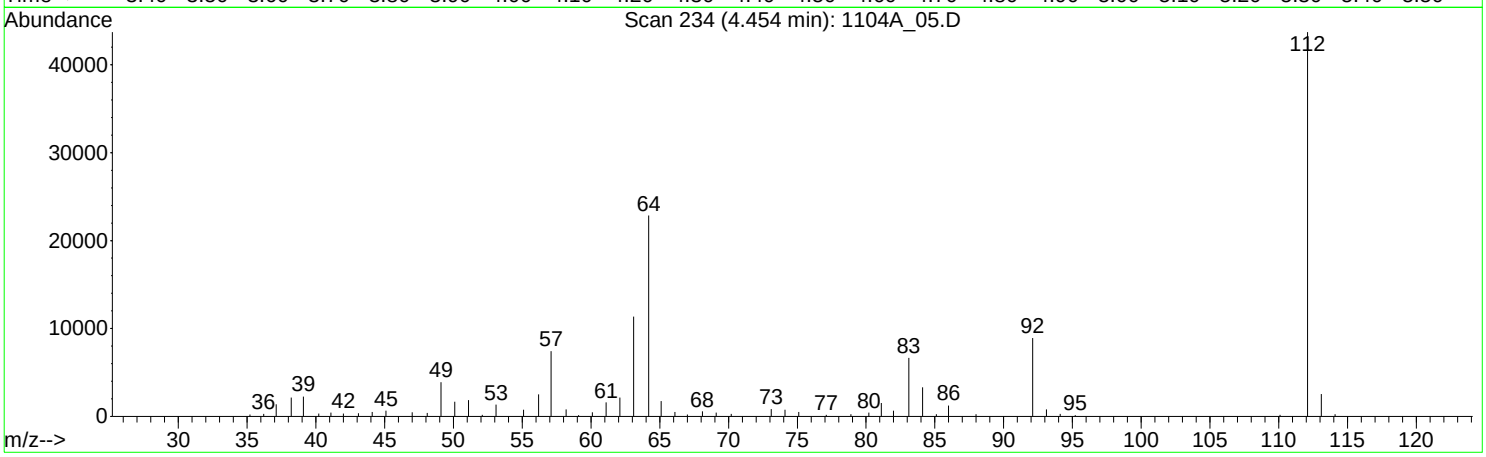
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:04 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:04:19 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 686.2735706 ppb
Qvalue = 90
response 32151

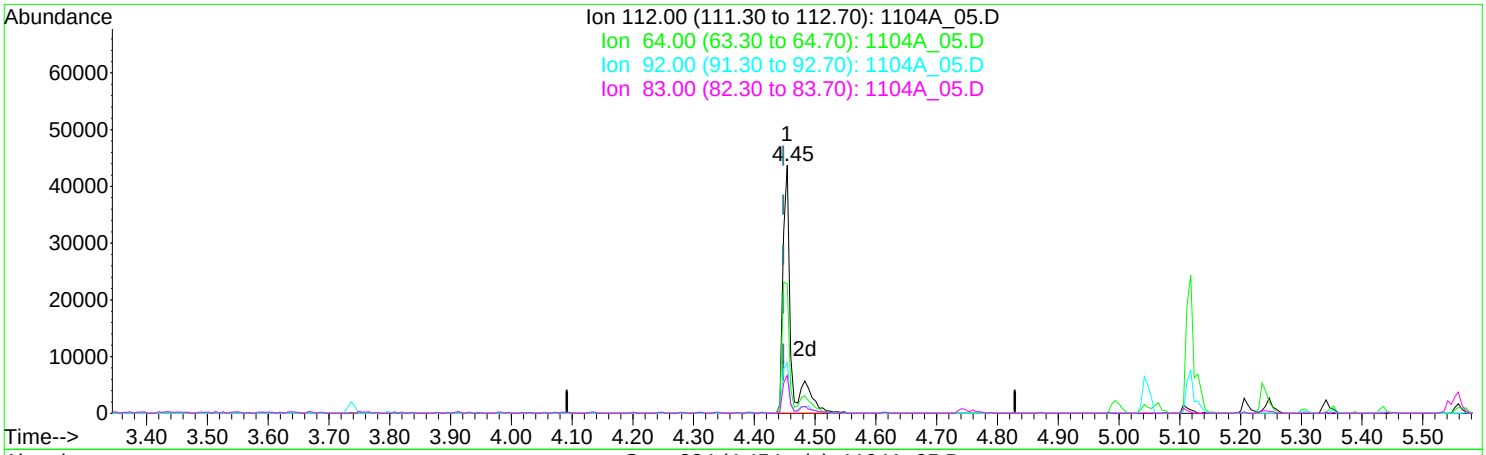
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	52.25
92.00	22.80	20.39
83.00	17.30	15.22

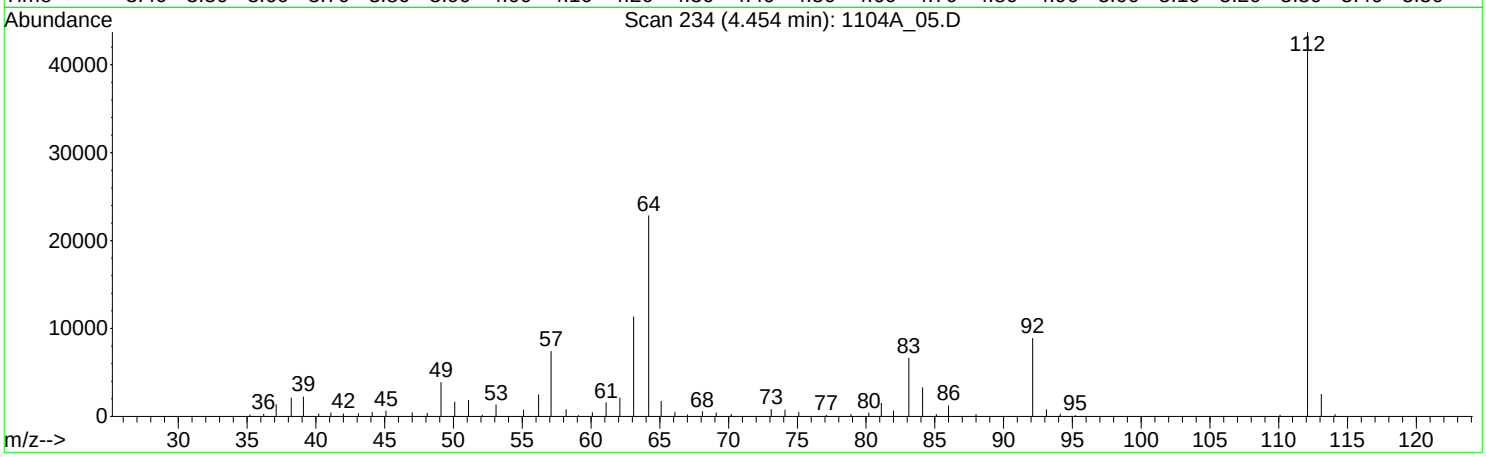
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:04 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:04:19 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 849.2451333 ppb m

response 39786

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	52.25
92.00	22.80	20.39
83.00	17.30	15.22

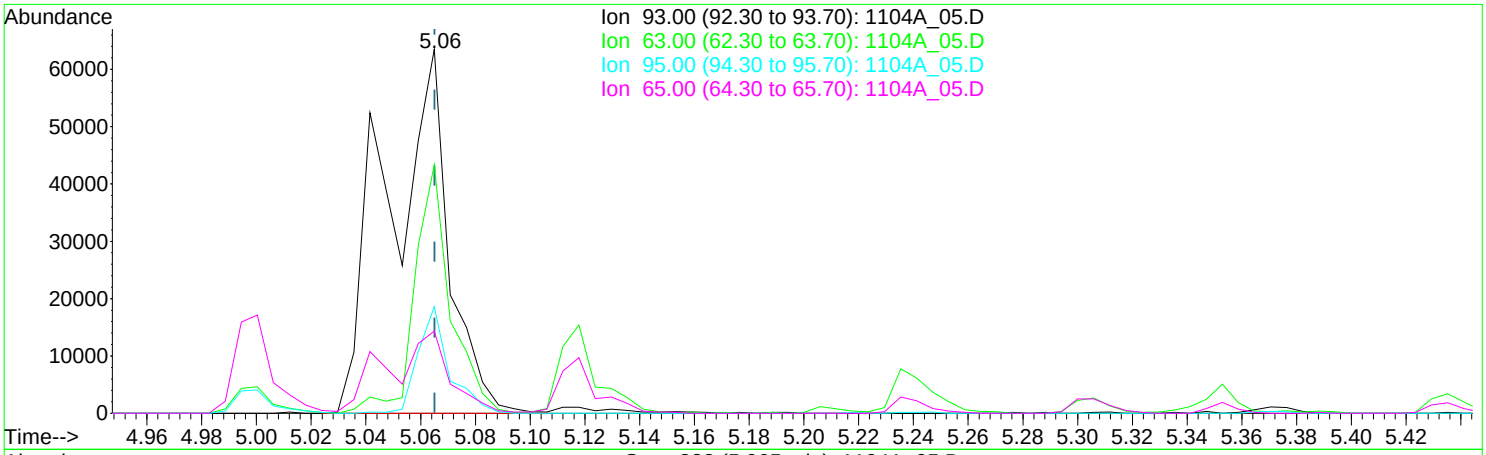
1104A_05.D S810K04K.M Sat Nov 05 13:04:52 2011

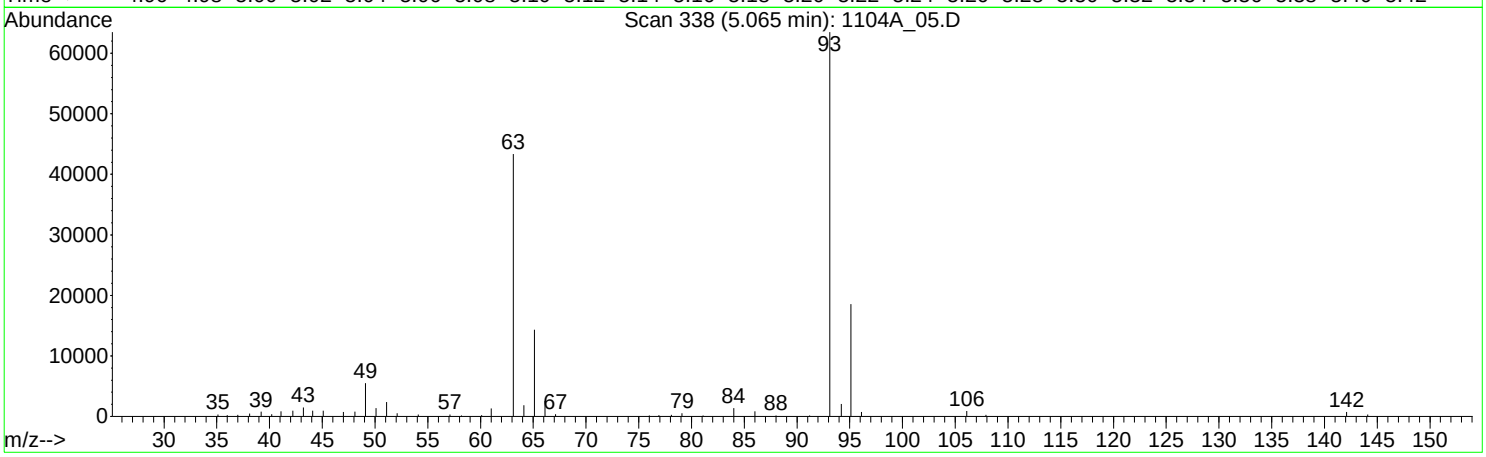
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:04 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:04:19 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(6) bis(2-Chloroethyl)ether (MT)
5.06min (-0.000) 1768.1765720 ppb
Qvalue = 98
response 99788

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	68.04
95.00	27.50	29.26
65.00	23.30	21.82

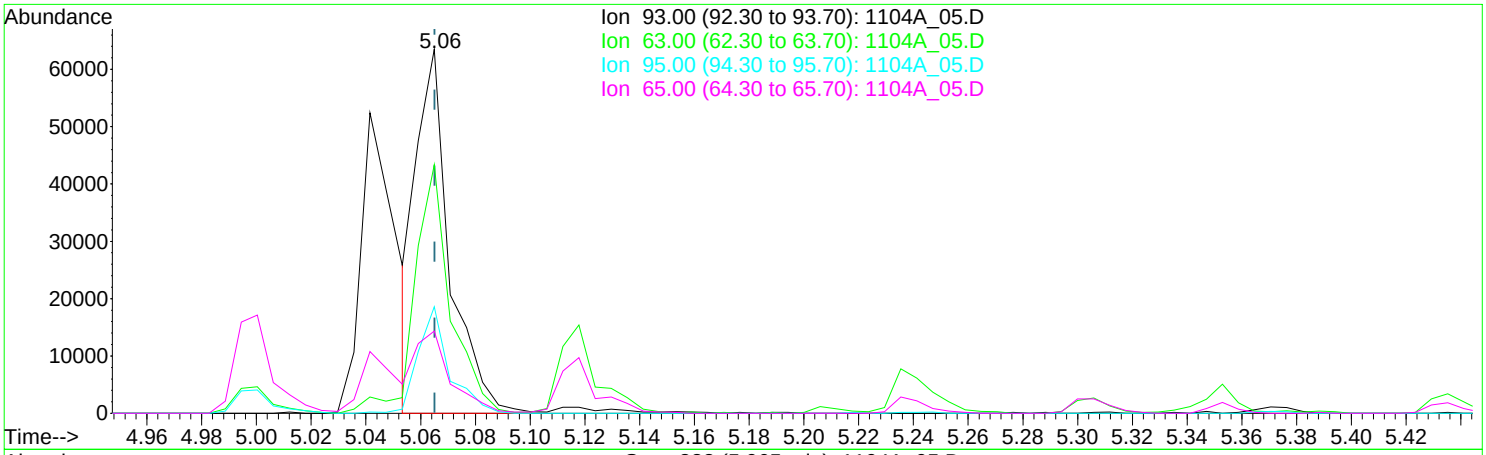
1104A_05.D S810K04K.M Sat Nov 05 13:04:57 2011

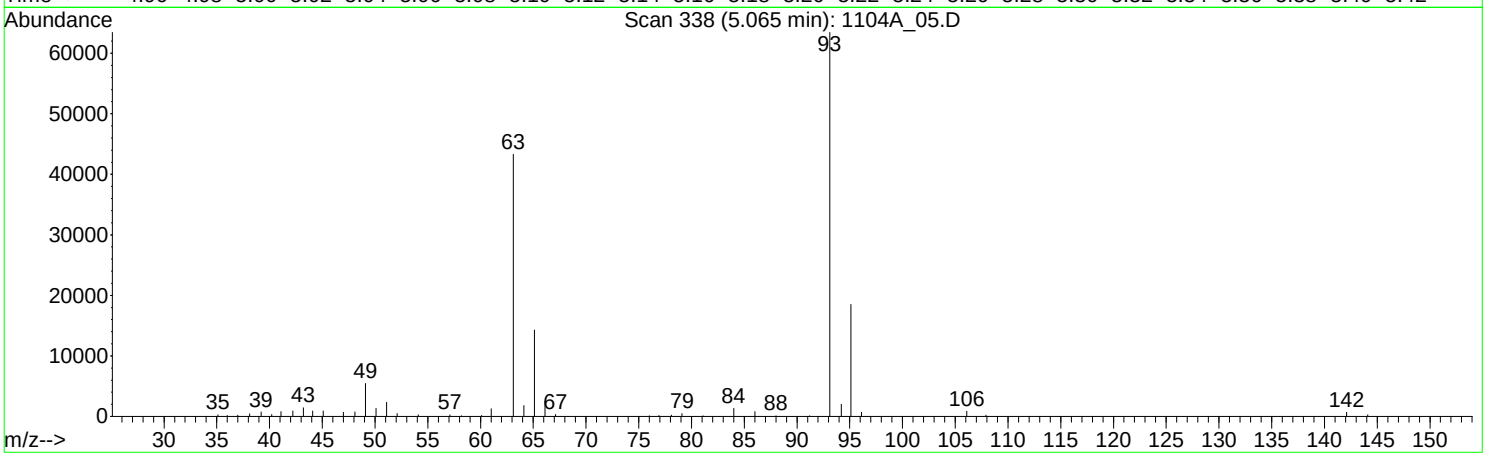
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:04 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:04:19 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(6) bis(2-Chloroethyl)ether (MT)
5.06min (-0.000) 965.4908913 ppb m

response 54488

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	68.30
95.00	27.50	29.26
65.00	23.30	22.59

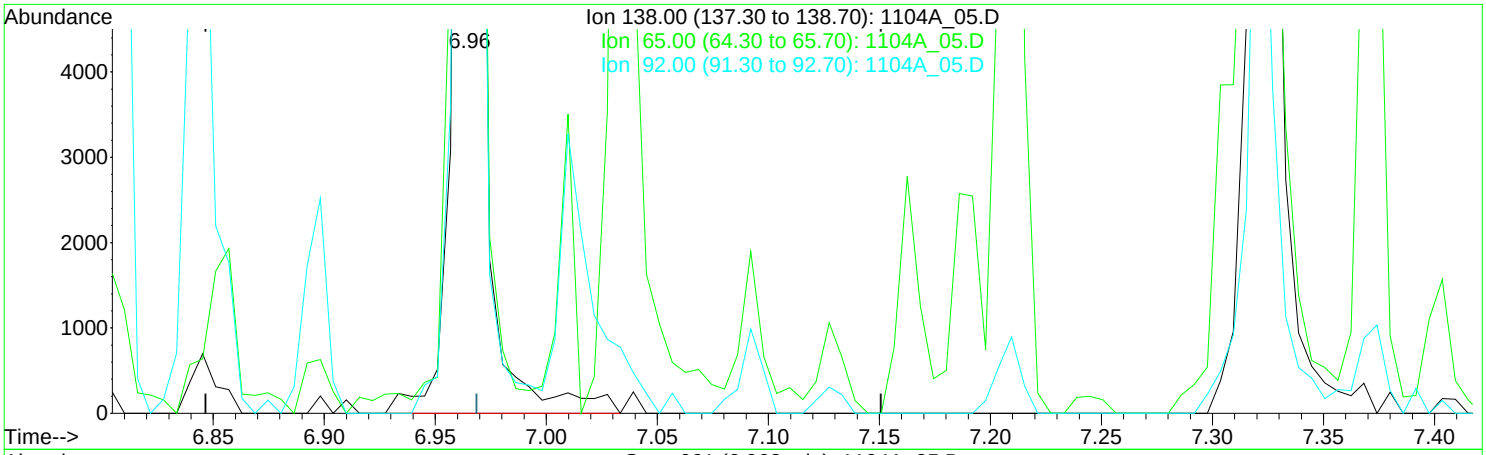
1104A_05.D S810K04K.M Sat Nov 05 13:05:01 2011

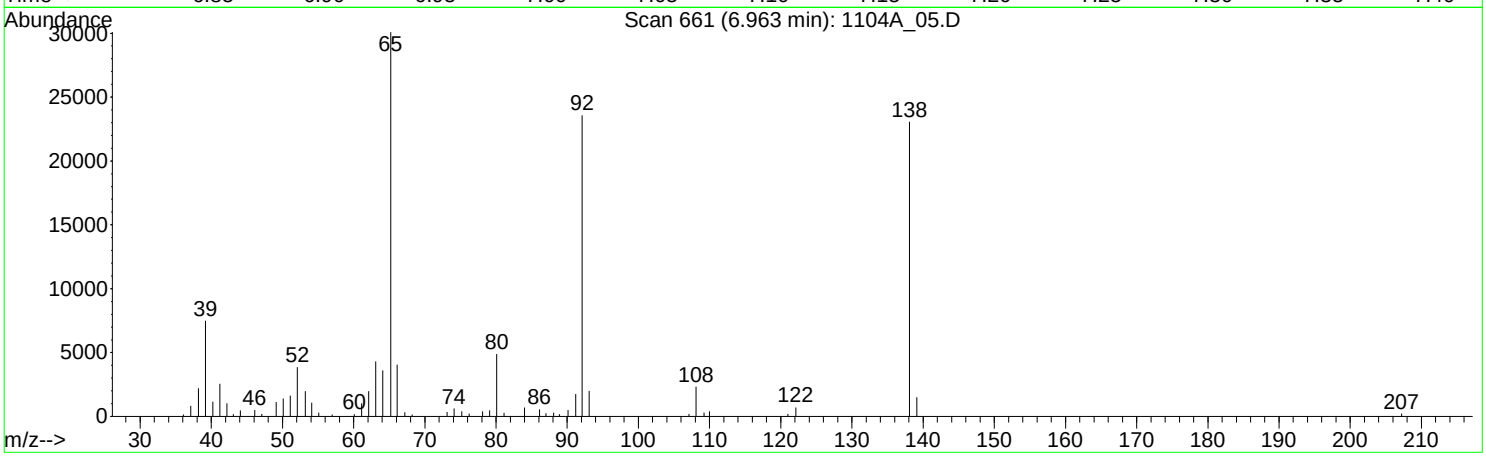
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:05 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:04:19 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(51) 3-Nitroaniline (MT)
6.96min (-0.006) 1437.8656424 ppb
Qvalue = 90
response 16467

Ion	Exp%	Act%
138.00	100	100
65.00	114.70	130.45
92.00	98.30	102.25
0.00	0.00	0.00

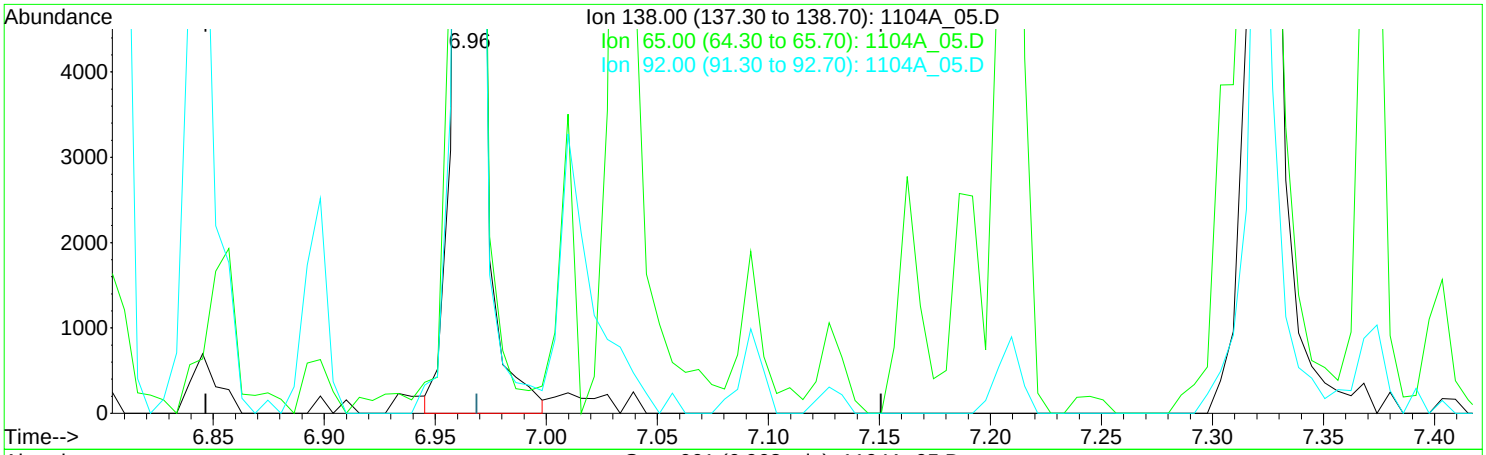
1104A_05.D S810K04K.M Sat Nov 05 13:05:49 2011

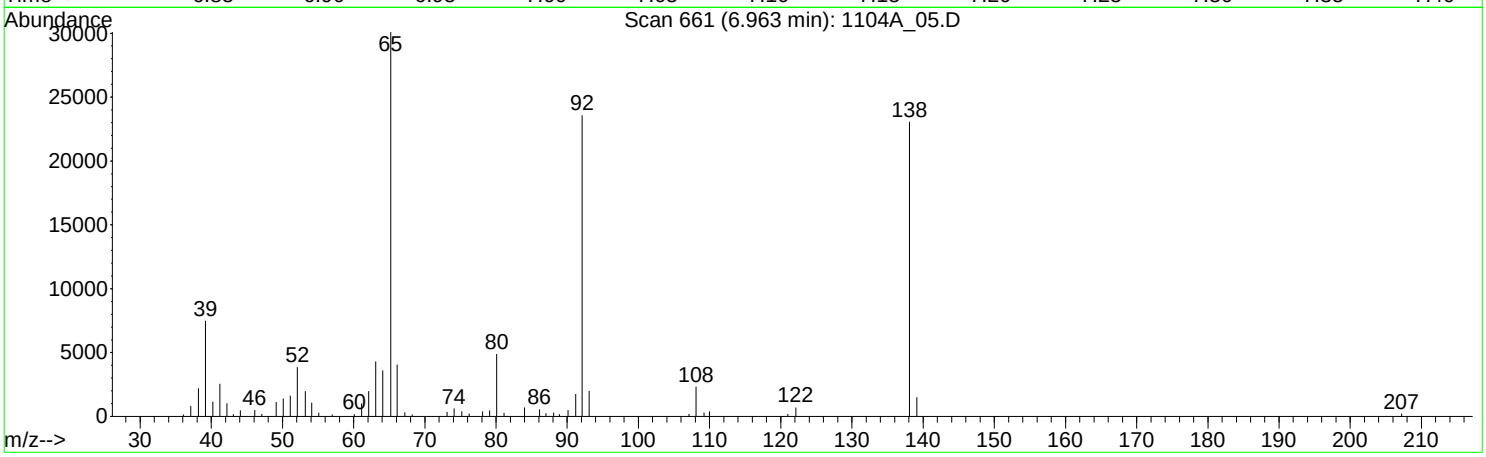
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:06 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:04:19 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(51) 3-Nitroaniline (MT)
6.96min (-0.006) 1387.4831516 ppb m

response 15890

Ion	Exp%	Act%
138.00	100	100
65.00	114.70	130.45
92.00	98.30	102.25
0.00	0.00	0.00

1104A_05.D S810K04K.M Sat Nov 05 13:06:15 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377
Sample : STD SVMS 1000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:06 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	258878	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	993171	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	529561	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	788053	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	538526	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	540618	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.45	112	39786m	849.2451333 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 4246.23%#		
7) Phenol-d5	4.99	99	44711	918.0654817 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 4590.33%#		
23) Nitrobenzene-d5	5.56	82	44826	963.3179787 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 9633.18%#		
44) 2-Fluorobiphenyl	6.59	172	96053	1005.0543552 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 10050.54%#		
67) 2,4,6-Tribromophenol	7.47	330	8441	955.8142601 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 4779.07%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 9477.45%#		

Target Compounds						Qvalue
2) Pyridine	3.56	79	43726m	889.3350418 ppb		
3) N-Nitrosodimethylamine	3.53	42	22731	1028.8726576 ppb	#	72
5) Aniline	5.04	93	45203	906.6276597 ppb	#	83
6) bis(2-Chloroethyl)ether	5.06	93	54488m	965.4908913 ppb		
8) Phenol	5.00	94	55147	945.1913362 ppb		99
9) Benzaldehyde	0.00	105	0	N.D. d		
10) 2-Chlorophenol	5.12	128	47505	971.2285541 ppb		95
11) n-Decane	5.11	41	25258	1052.7606136 ppb		100
12) 1,3-Dichlorobenzene	5.21	146	53563	984.0824223 ppb		96
13) 1,4-Dichlorobenzene	5.25	146	53980	981.6271287 ppb		94
14) Benzyl Alcohol	5.31	79	31413	950.3137147 ppb		99
15) 1,2-Dichlorobenzene	5.34	146	50540	1001.1508053 ppb		96
16) bis(2-Chloroisopropyl)ethe	5.37	121	15976	983.5939847 ppb		93
17) 2-Methylphenol	5.35	108	43018	999.5365454 ppb		94
18) Hexachloroethane	5.54	117	19276	980.9667597 ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377
Sample : STD SVMS 1000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:06 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	29543	952.3109347	ppb		95
20)	3&4-Methyl phenol	5.44	107	47995	1022.2524595	ppb		97
21)	Acetophenone	0.00	105	0	N.D.	d		
24)	Nitrobenzene	5.57	77	42993	986.4704575	ppb		98
25)	Isophorone	5.70	82	79812	937.2127731	ppb		94
26)	2-Nitrophenol	5.75	139	23114	914.7036864	ppb		97
27)	2,4-Dimethylphenol	5.75	107	38361	902.9237174	ppb		99
28)	bis(2-Chlorethoxy)methane	5.81	93	52444	984.7733598	ppb		97
29)	2,4-Dichlorophenol	5.89	162	34295	913.6794644	ppb		99
30)	Benzoic Acid	0.00	105	0	N.D.	d		
31)	1,2,4-Trichlorobenzene	5.95	180	47437	999.9366391	ppb		99
32)	Naphthalene	6.00	128	143673	1006.7263387	ppb		99
33)	4-Chloroaniline	6.01	65	13328	1048.9869287	ppb		86
34)	Hexachloro-1,3-butadiene	6.05	225	22531	969.6517563	ppb		99
35)	Caprolactam	0.00	113	0	N.D.	d		
36)	4-Chloro-3-methylphenol	6.26	107	34424	900.0772442	ppb		87
37)	2-Methylnaphthalene	6.40	142	86103	962.2875814	ppb		99
38)	1-Methylnaphthalene	6.46	142	91557	990.9557710	ppb		98
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41)	Hexachlorocyclopentadiene	6.48	237	12848	732.1337225	ppb		98
42)	2,4,6-Trichlorophenol	6.55	196	23181	876.5304245	ppb		98
43)	2,4,5-Trichlorophenol	6.57	196	23376	900.1347470	ppb		95
45)	Biphenyl	6.66	154	113055	1063.9596261	ppb		99
46)	2-Chloronaphthalene	6.69	162	83660	1000.4765414	ppb		97
47)	2-Nitroaniline	6.73	138	22194	889.6109077	ppb		98
48)	Acenaphthylene	6.93	152	125440	986.0882745	ppb		99
49)	Dimethyl phthalate	6.81	163	93000	1005.3047689	ppb		94
50)	2,6-Dinitrotoluene	6.86	165	20039	946.6829921	ppb		90
51)	3-Nitroaniline	6.96	138	15890m	1387.4831516	ppb		
52)	Acenaphthene	7.03	153	87403	1031.2315439	ppb		99
53)	2,4-Dinitrophenol	7.02	184	3464	573.5300594	ppb	#	1
54)	Dibenzofuran	7.13	168	111273	998.0042355	ppb		99
55)	2,4-Dinitrotoluene	7.09	165	21285	832.7368800	ppb		81
57)	4-Nitrophenol	7.03	139	10737	783.6156945	ppb		93
58)	Fluorene	7.33	166	89584	1000.6535317	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377
Sample : STD SVMS 1000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:06 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	43433	956.9698669	ppb	94
60)	Diethyl phthalate	7.21	149	88178	969.0400801	ppb	99
61)	4-Nitroaniline	7.32	138	15696	1449.9302655	ppb	94
62)	Azobenzene	7.40	77	84397	1006.0431738	ppb	98
63)	Atrazine	0.00	200	0	N.D.	d	
65)	4,6-Dinitro-2-methylphenol	7.33	198	6590	735.3742924	ppb	93
66)	N-Nitrosodiphenylamine	7.37	169	71820	1077.4643424	ppb	99
68)	4-Bromophenyl-phenylether	7.60	248	23710	1045.8459512	ppb	95
69)	Hexachlorobenzene	7.66	284	27289	1078.1239179	ppb	98
70)	n-octadecane	7.73	55	15614	1104.1834216	ppb	97
71)	Pentachlorophenol	7.76	266	8258	664.6256970	ppb	96
72)	Phenanthrene	7.90	178	123517	1062.6351377	ppb	97
73)	Anthracene	7.93	178	112801	984.0605127	ppb	100
74)	Carbazole	8.01	167	93176	1048.1493891	ppb	99
75)	Di-n-butyl phthalate	8.16	149	152821	1033.7936821	ppb	99
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.63	202	115661	964.4256395	ppb	99
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.80	202	117459	975.1907799	ppb	99
82)	Benzylbutyl phthalate	9.22	149	48874	822.5403386	ppb	100
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.89	228	81044	987.5554804	ppb	98
85)	Chrysene	9.94	228	78942	1022.6672898	ppb	99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	66808	775.0345413	ppb	98
87)	Di-n-octyl phthalate	10.66	149	96870	756.8030924	ppb	99
89)	Benzo(b)fluoranthene	11.43	252	74058	954.3732592	ppb	98
90)	Benzo(k)fluoranthene	11.47	252	66593	895.4604206	ppb	99
91)	Benzo(a)pyrene	12.01	252	67193	917.6197164	ppb	99
92)	Indeno(1,2,3-cd)pyrene	13.80	276	87134	919.6429961	ppb	97
94)	Benzo(g,h,i)perylene	14.29	276	78905	951.1209415	ppb	98

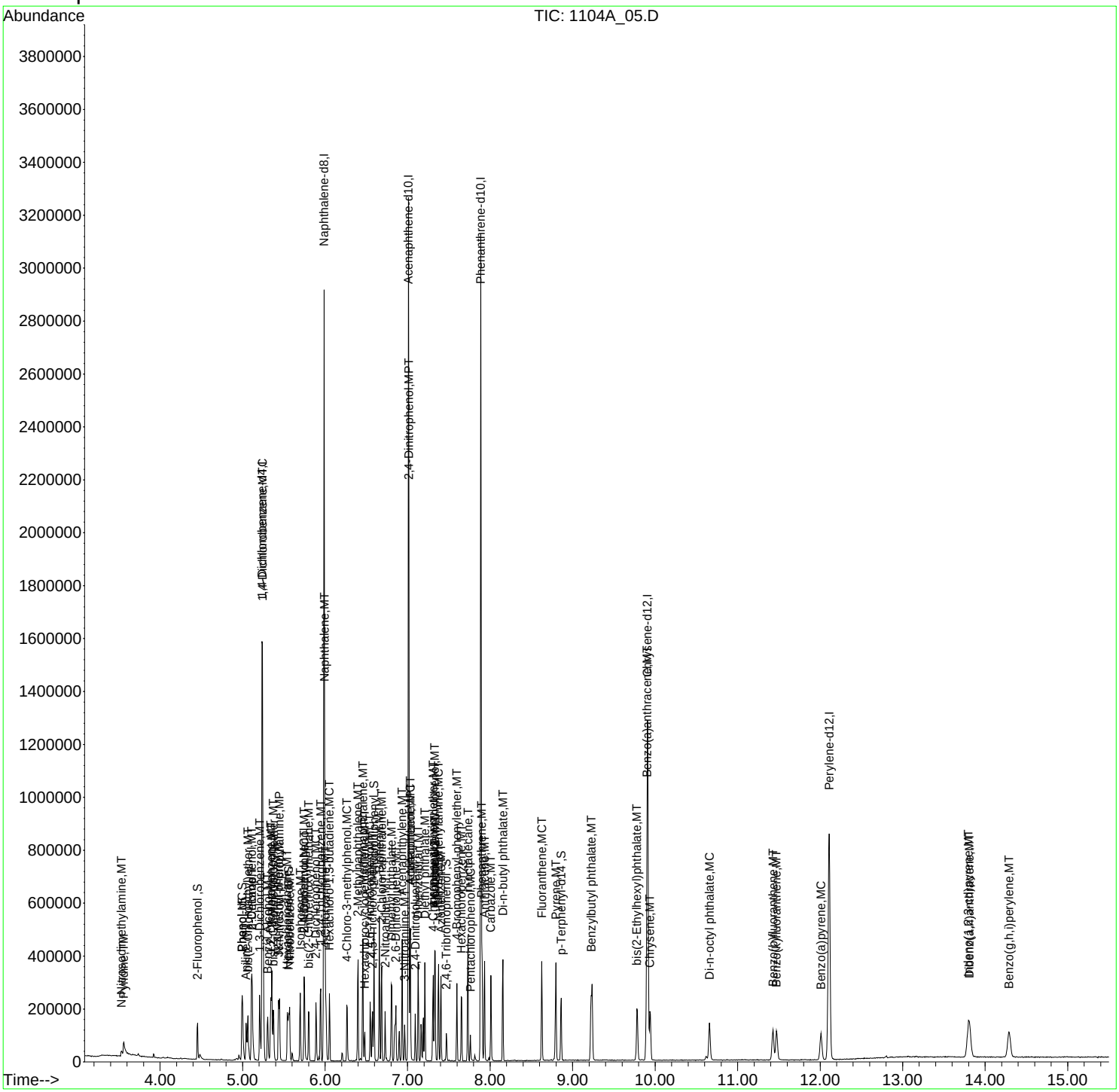
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:06 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:04:19 2011
Response via : Initial Calibration

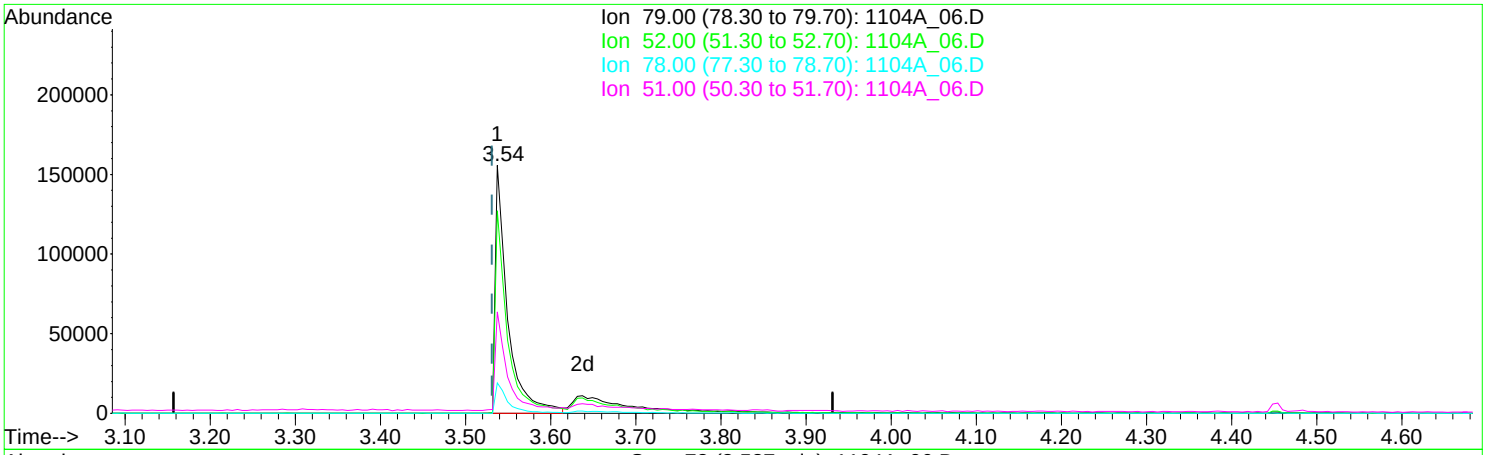


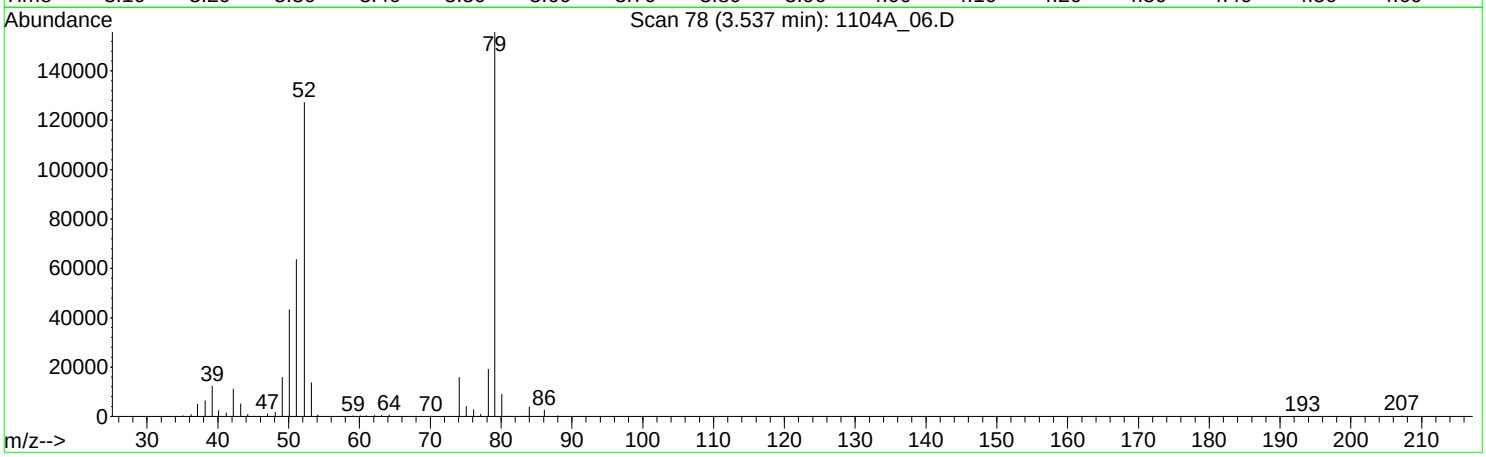
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(2) Pyridine (TM)
3.54min (+0.006) 3070.8650168 ppb
Qvalue = 96
response 156774

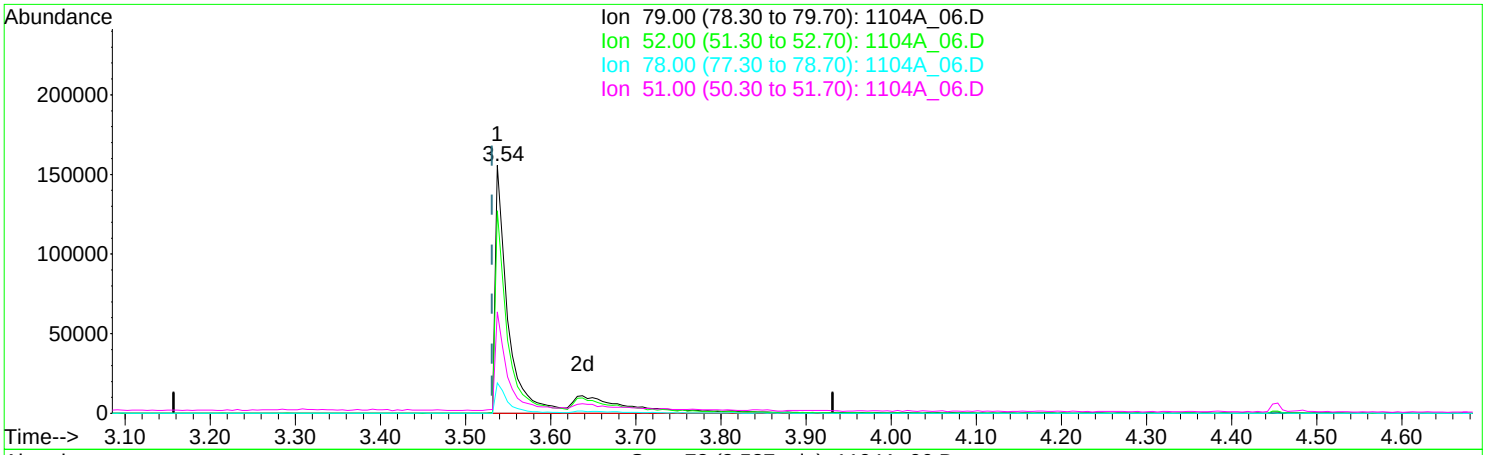
Ion	Exp%	Act%
79.00	100	100
52.00	78.30	81.76
78.00	12.10	12.32
51.00	36.90	39.64

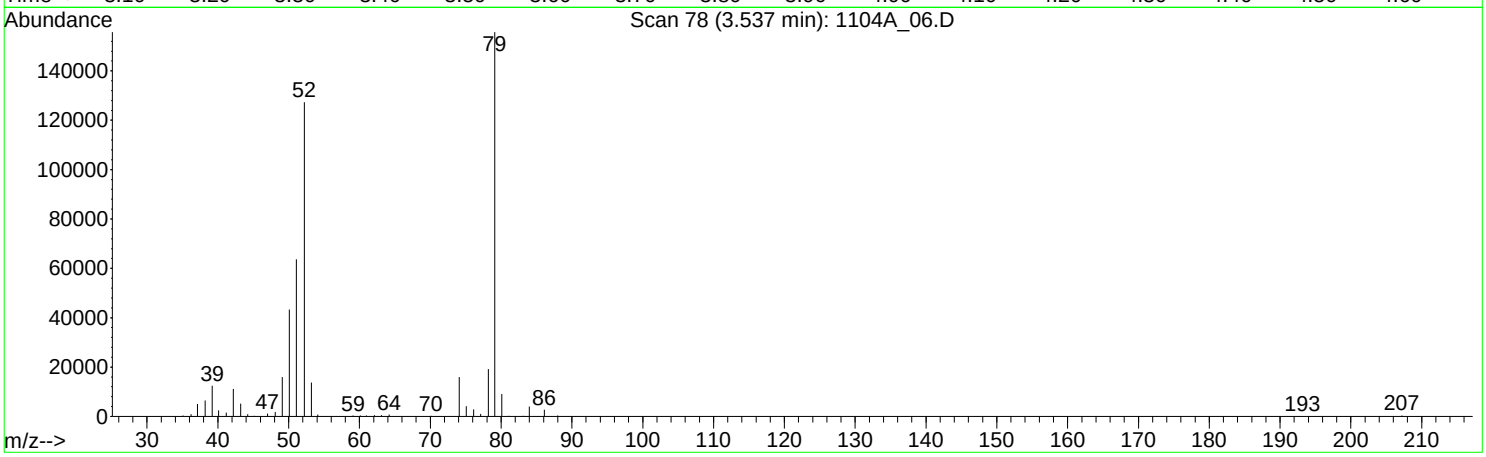
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:07 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(2) Pyridine (TM)
3.54min (+0.006) 4167.2163624 ppb m

response 212745

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	81.76
78.00	12.10	12.32
51.00	36.90	40.87

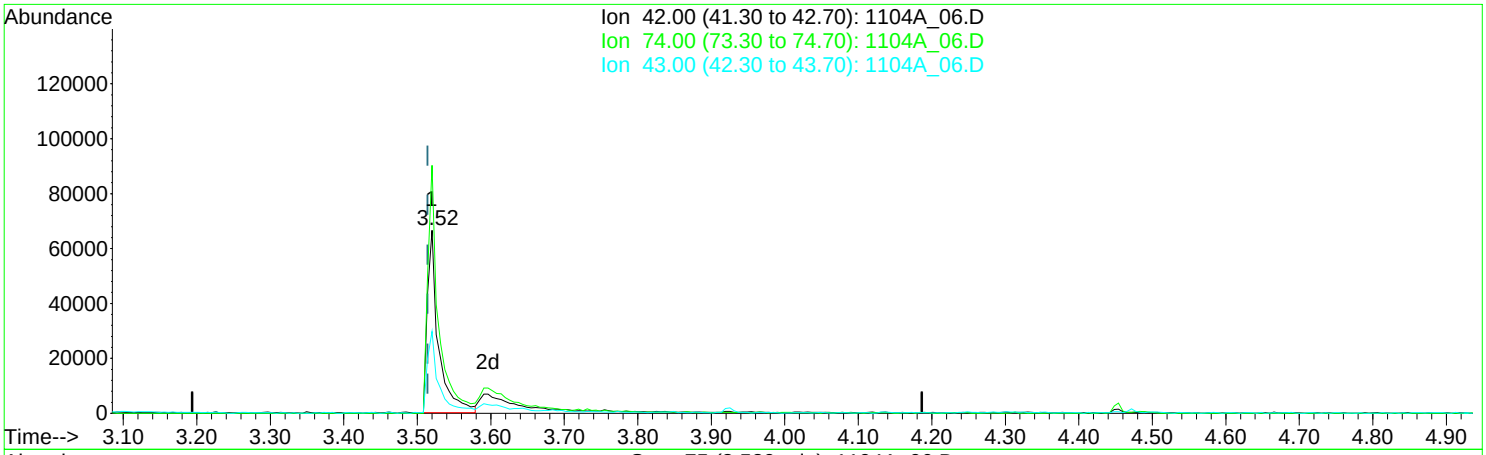
1104A_06.D S810K04K.M Sat Nov 05 13:07:22 2011

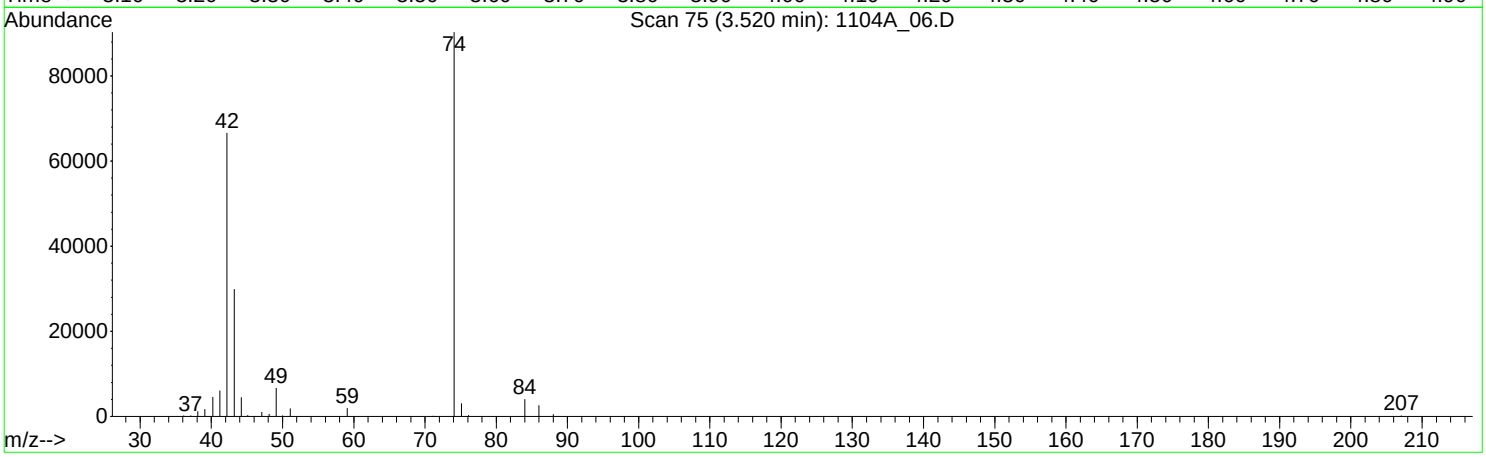
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:07 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 3033.7229441 ppb
Qvalue = 59
response 69594

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	133.27#
43.00	30.30	47.40
0.00	0.00	0.00

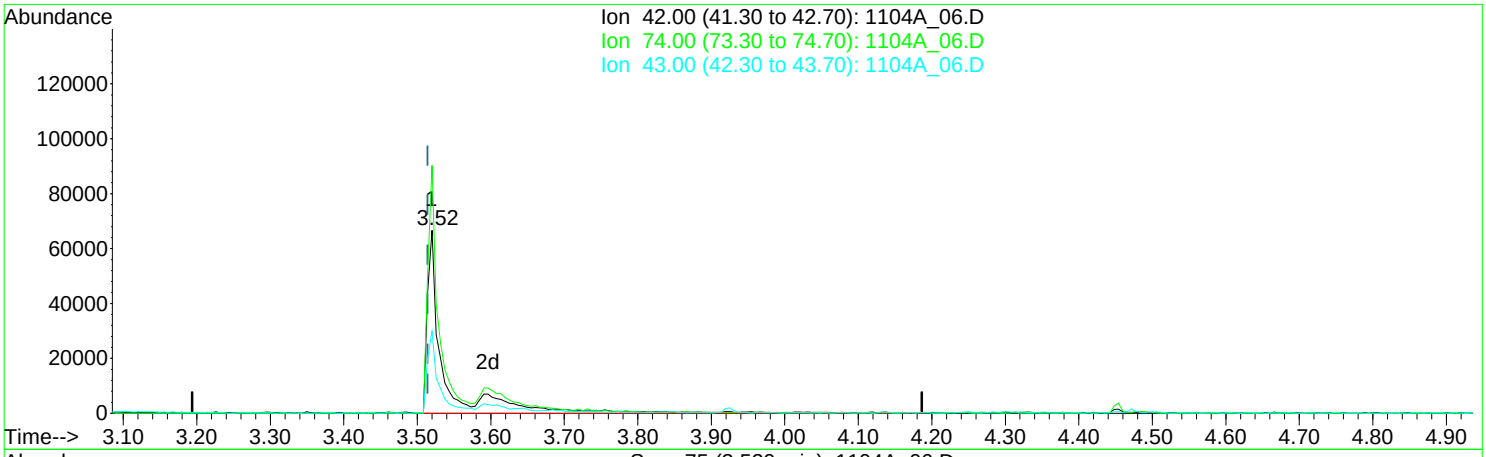
1104A_06.D S810K04K.M Sat Nov 05 13:07:26 2011

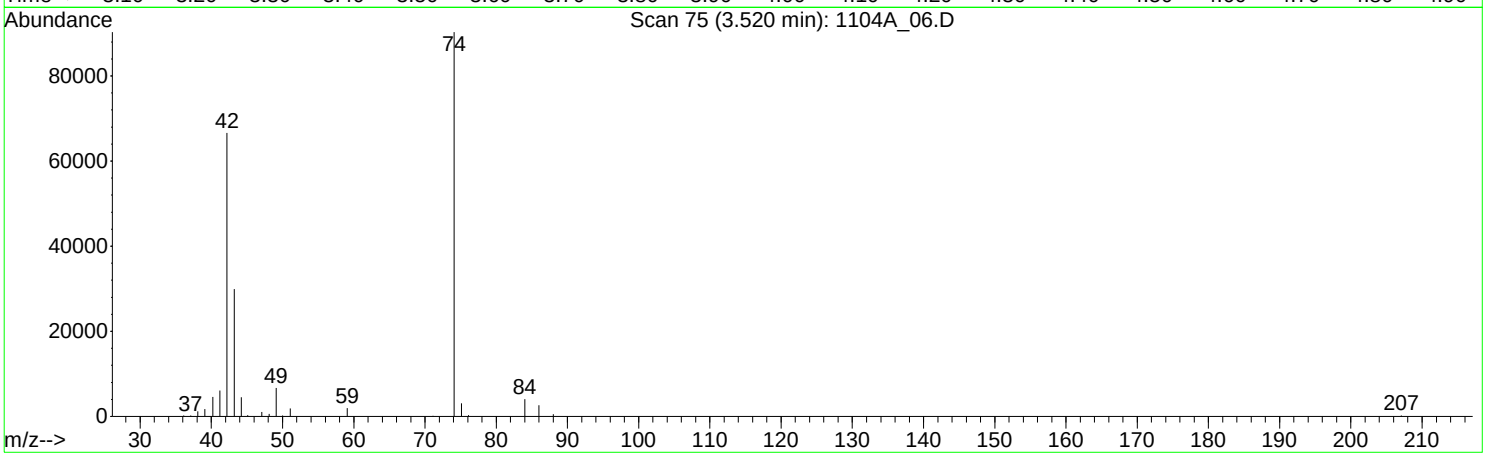
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:07 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 4750.6704626 ppb m

response 108981

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	85.10
43.00	30.30	30.27
0.00	0.00	0.00

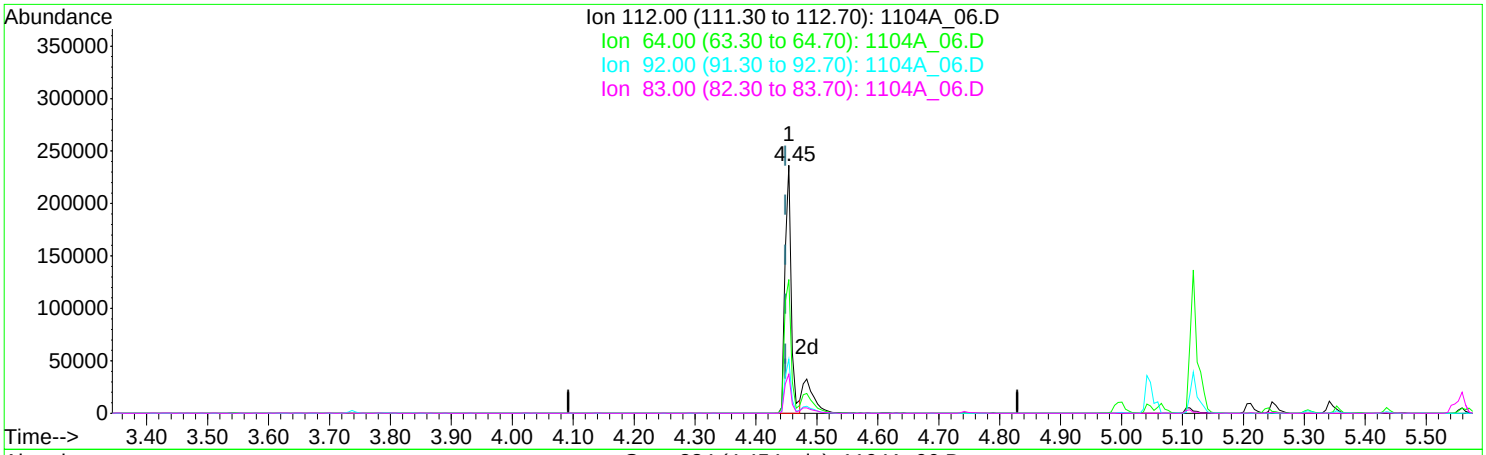
1104A_06.D S810K04K.M Sat Nov 05 13:07:30 2011

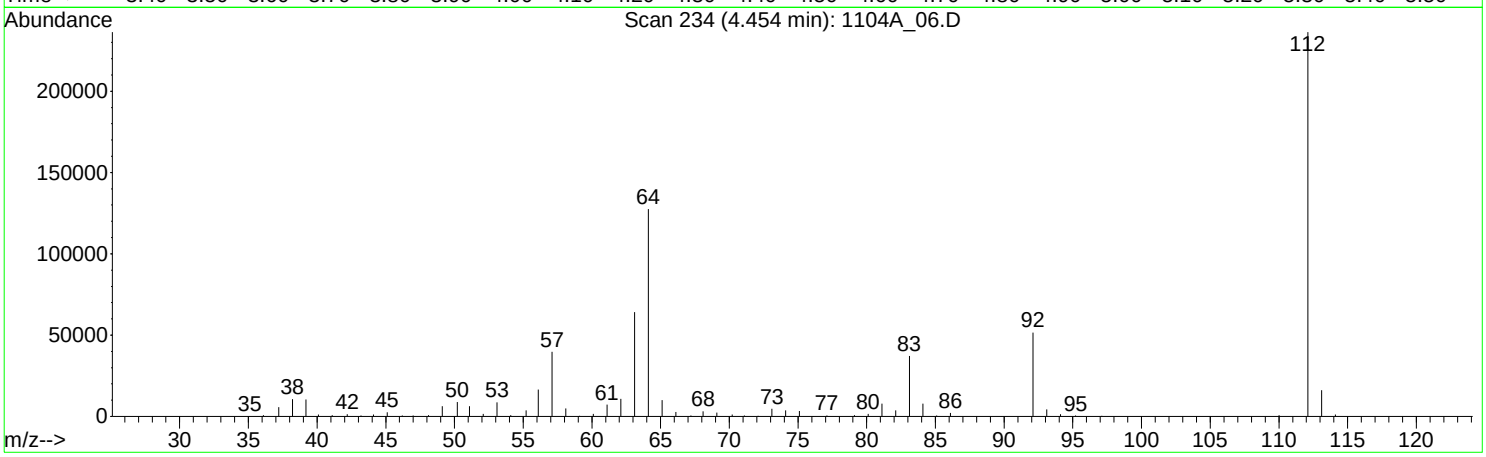
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:07 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 3454.4924513 ppb
Qvalue = 92
response 168043

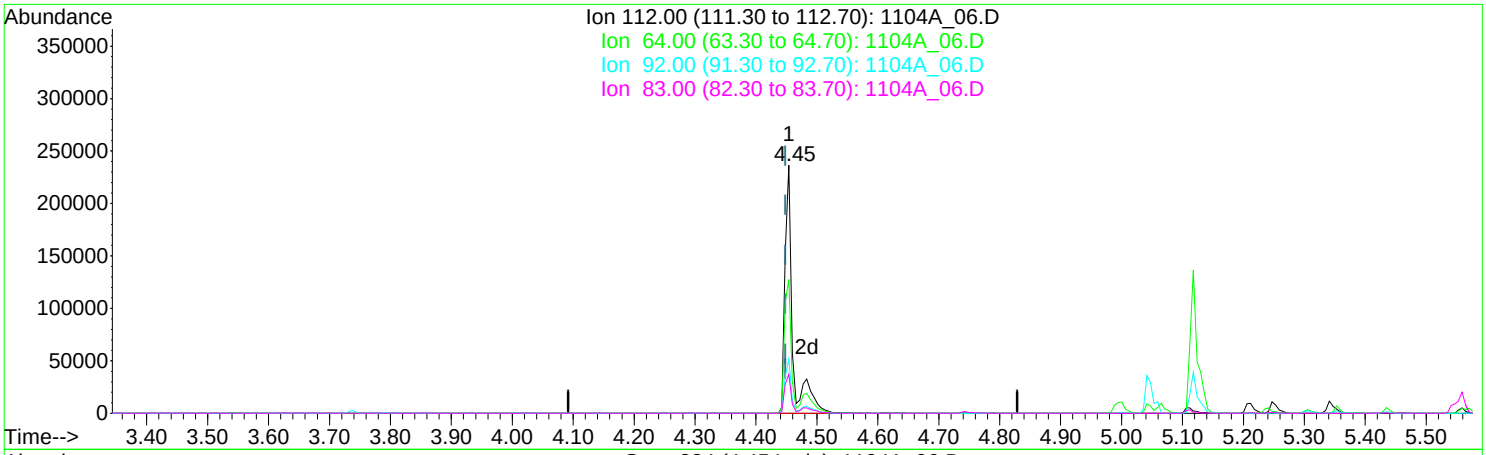
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	53.93
92.00	22.80	21.84
83.00	17.30	15.76

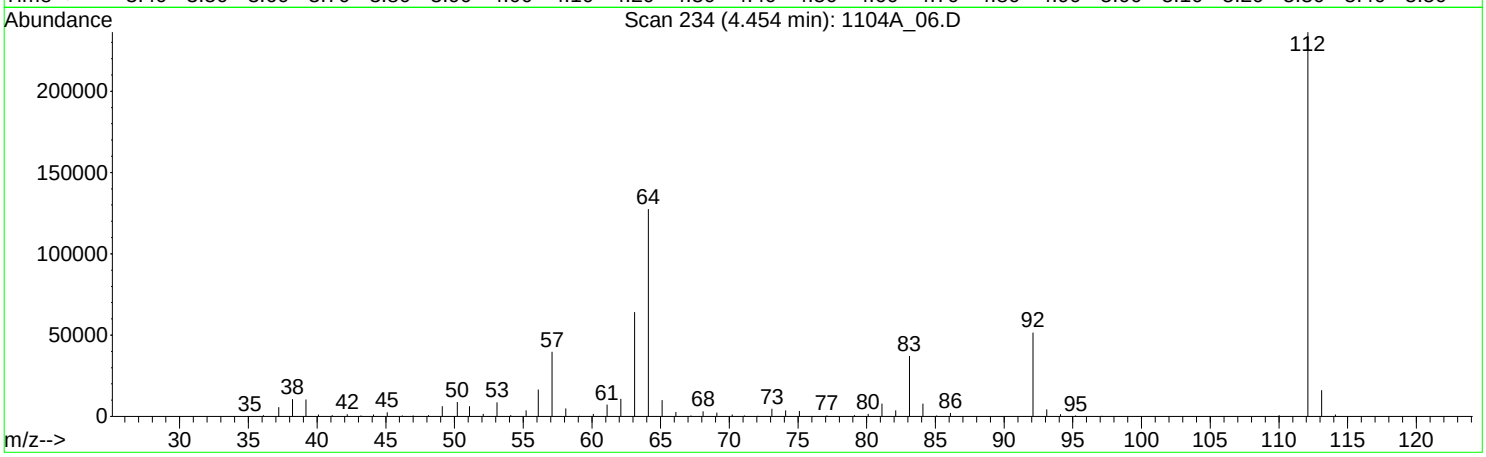
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:07 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 4300.8321038 ppb m

response 209213

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	53.93
92.00	22.80	21.84
83.00	17.30	15.76

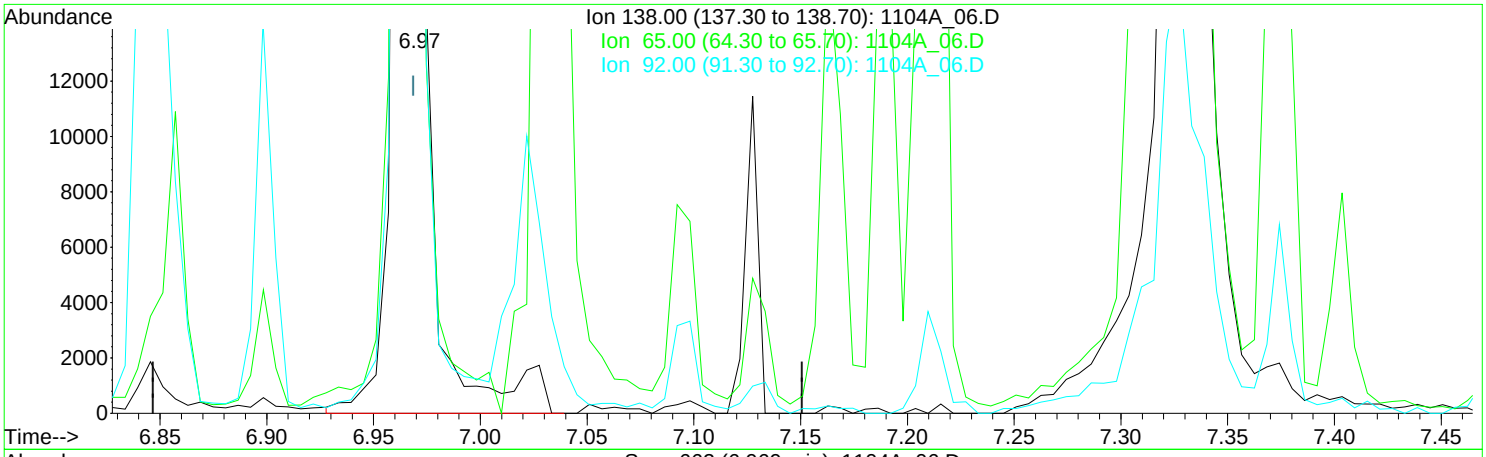
1104A_06.D S810K04K.M Sat Nov 05 13:07:37 2011

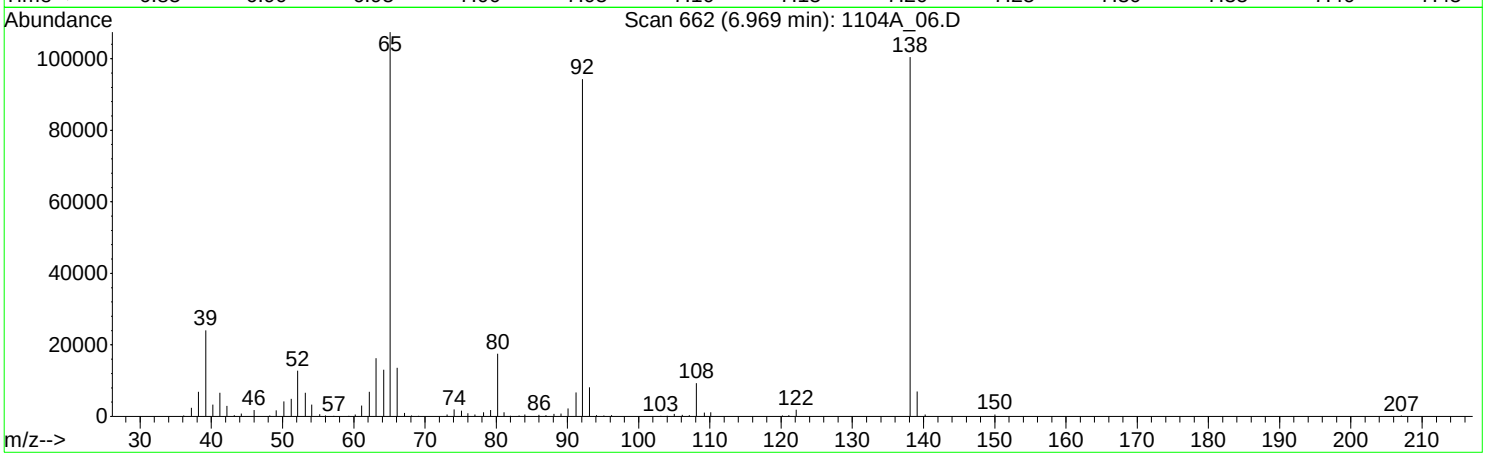
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:08 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(51) 3-Nitroaniline (MT)
6.97min (+0.000) 5969.8247557 ppb
Qvalue = 94
response 72752

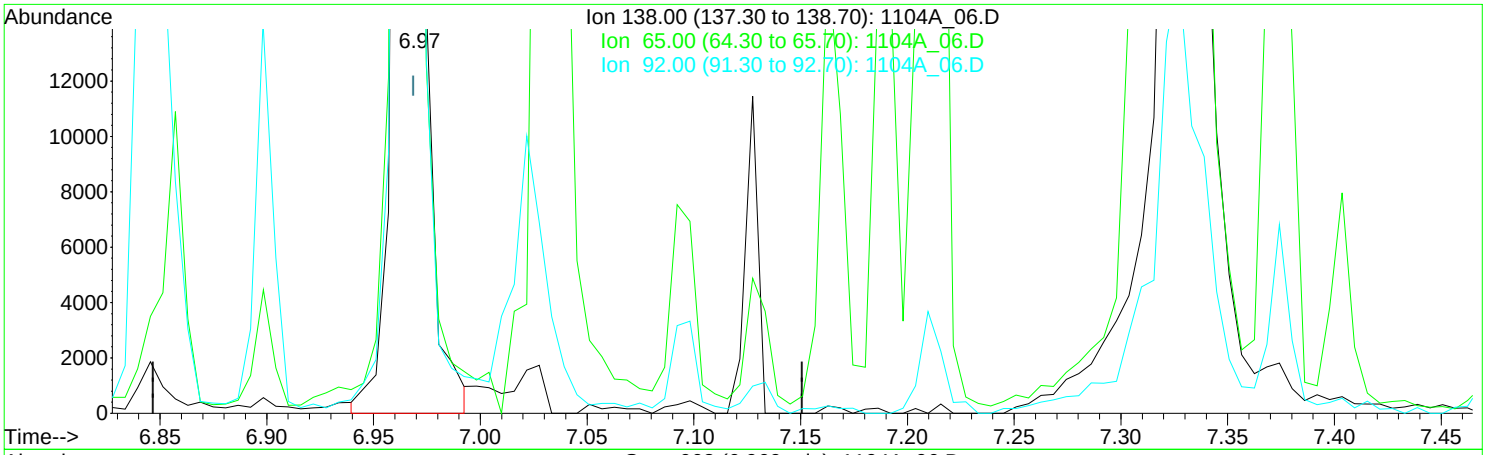
Ion	Exp%	Act%
138.00	100	100
65.00	114.70	106.95
92.00	98.30	93.88
0.00	0.00	0.00

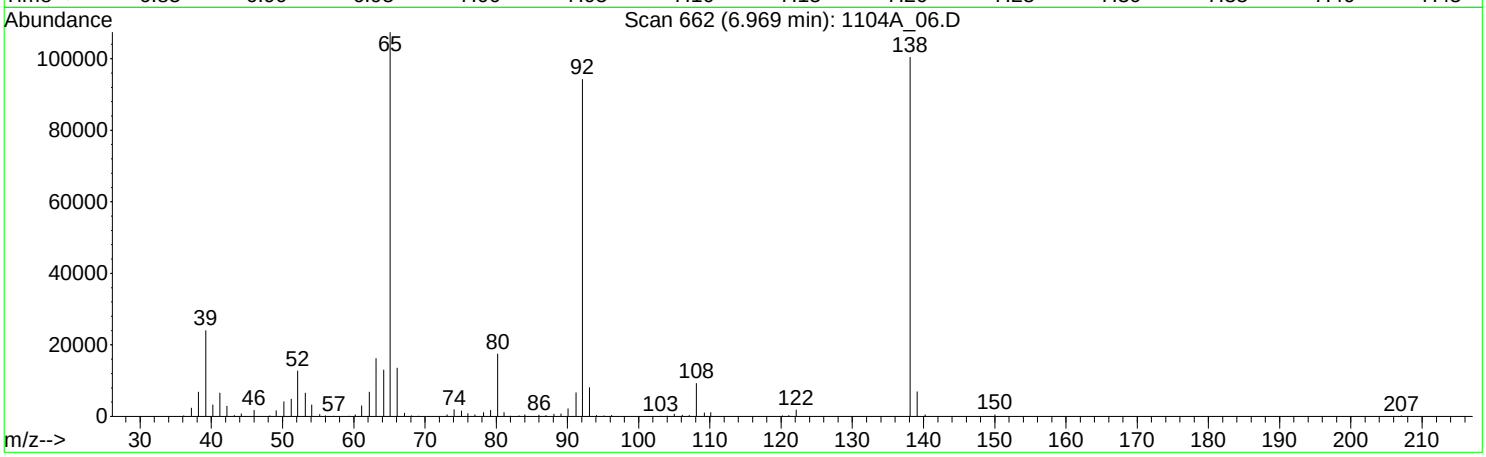
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:08 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(51) 3-Nitroaniline (MT)
6.97min (+0.000) 5752.3731997 ppb m

response 70102

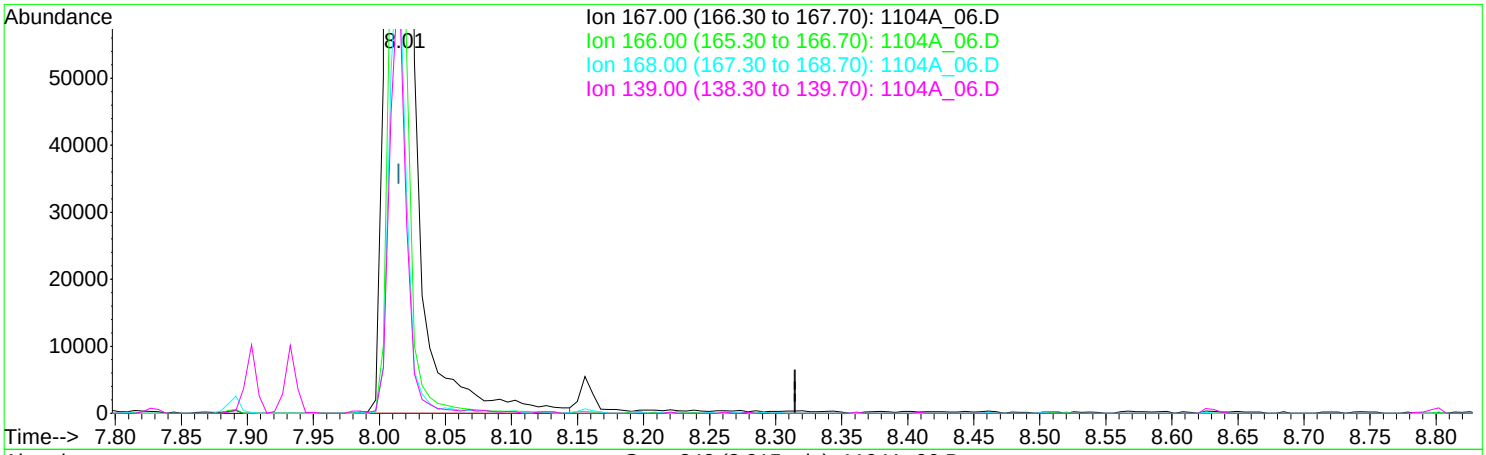
Ion	Exp%	Act%
138.00	100	100
65.00	114.70	106.95
92.00	98.30	93.88
0.00	0.00	0.00

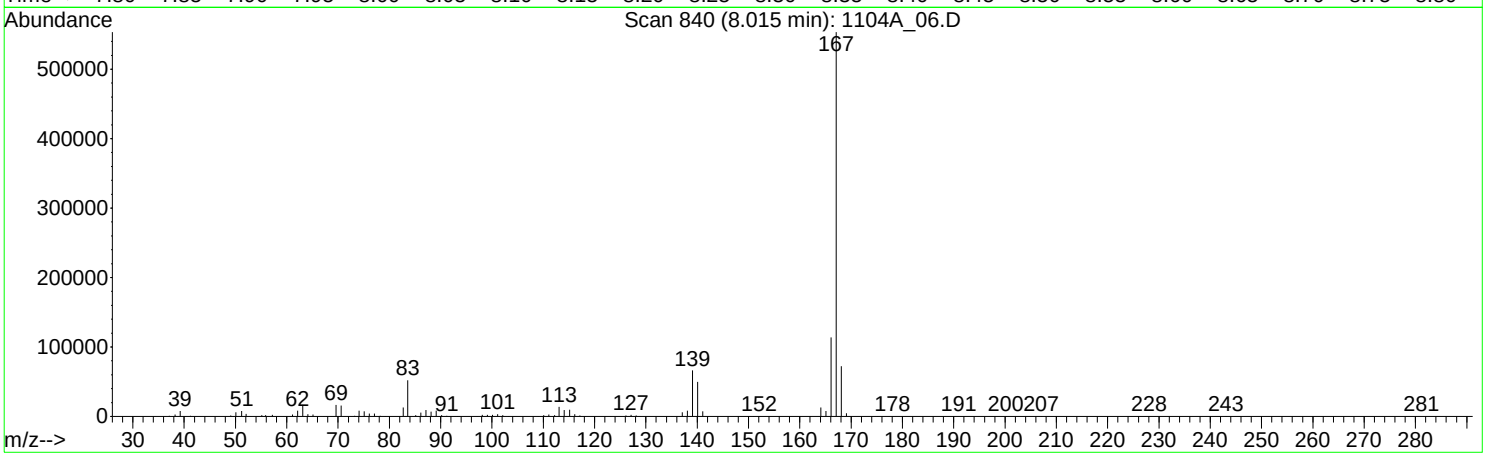
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:08 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(74) Carbazole (MT)
8.01min (+0.000) 4862.5988574 ppb
Qvalue = 100
response 477740

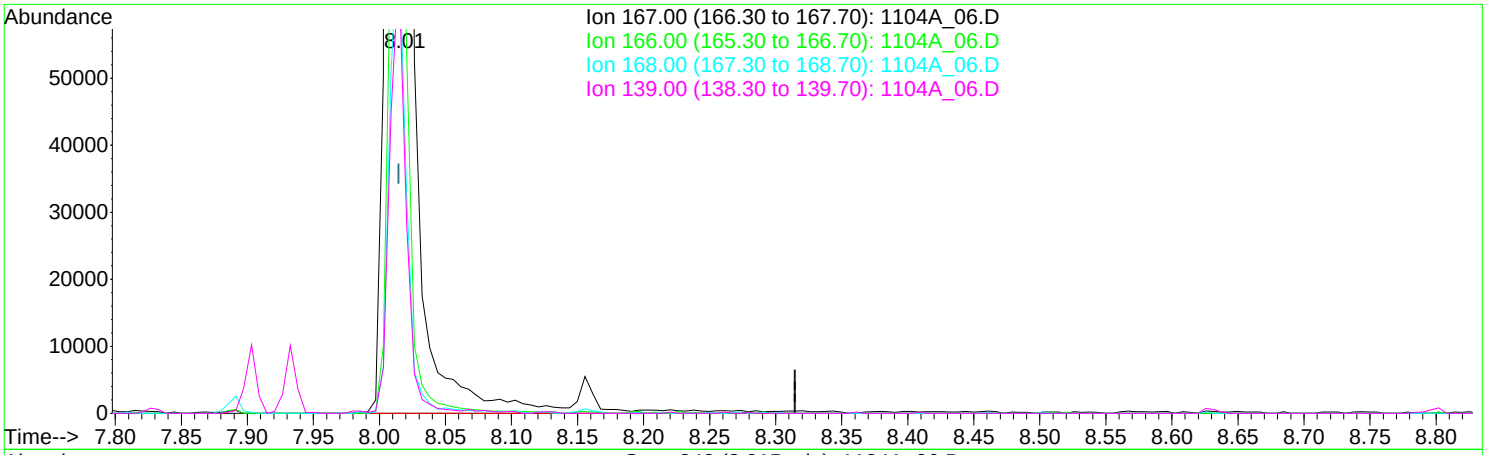
Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.32
168.00	13.30	13.18
139.00	11.80	11.88

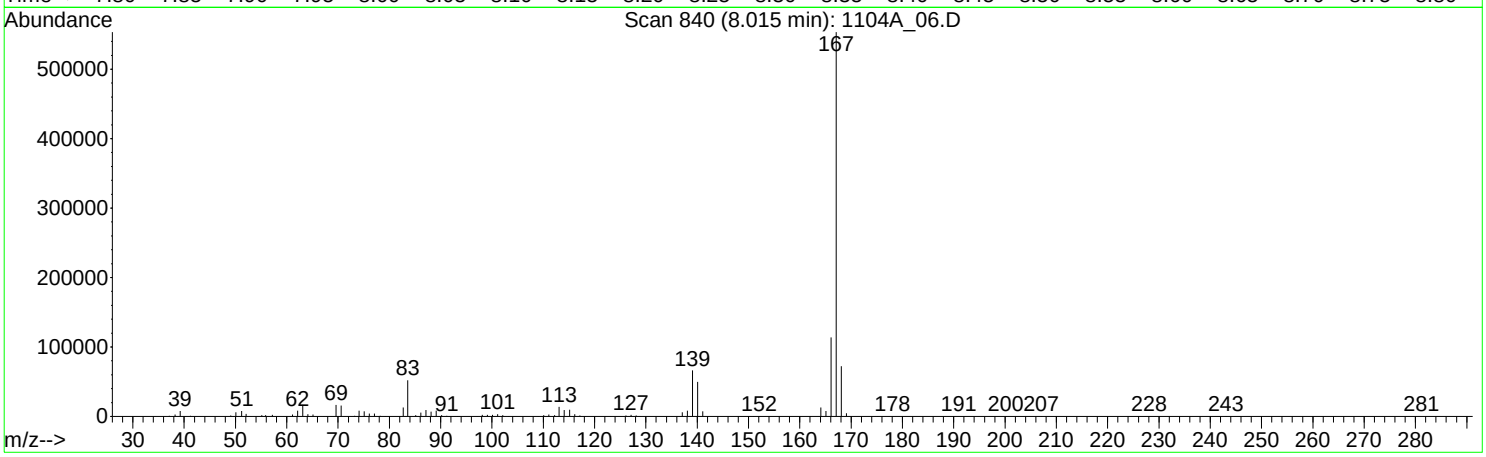
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:09 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_06.D

(74) Carbazole (MT)
8.01min (+0.000) 4936.0966309 ppb m

response 484961

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.02
168.00	13.30	12.98
139.00	11.80	11.70

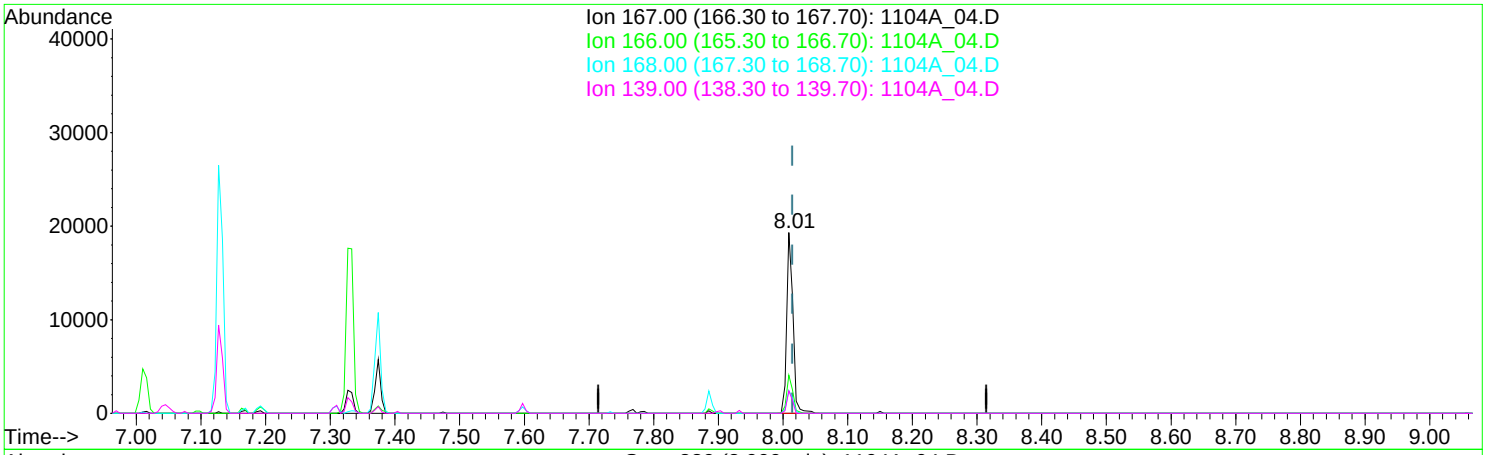
1104A_06.D S810K04K.M Sat Nov 05 13:09:09 2011

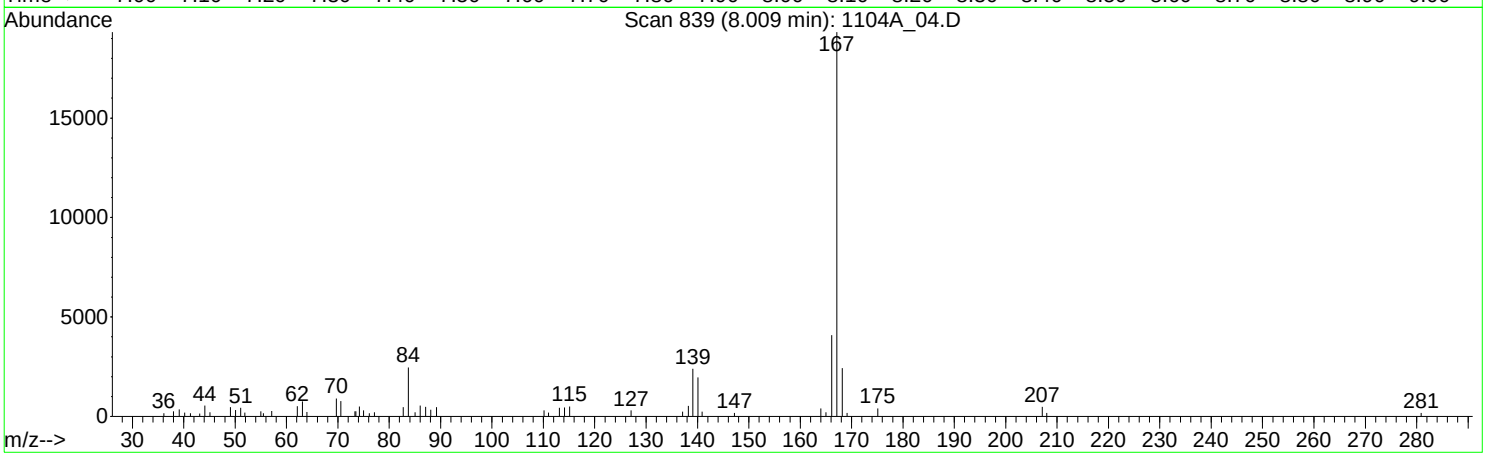
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:01 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_04.D

(74) Carbazole (MT)
8.01min (-0.006) 163.3911147 ppb
Qvalue = 98
response 13206

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	21.03
168.00	13.30	12.68
139.00	11.80	10.91

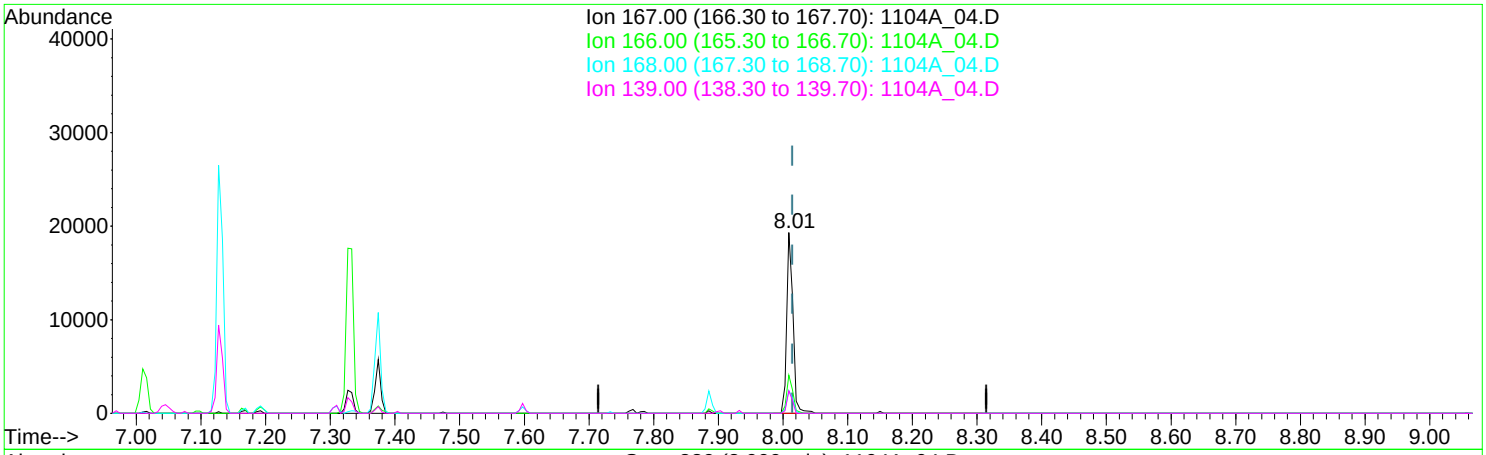
1104A_04.D S810K04K.M Sat Nov 05 13:09:45 2011

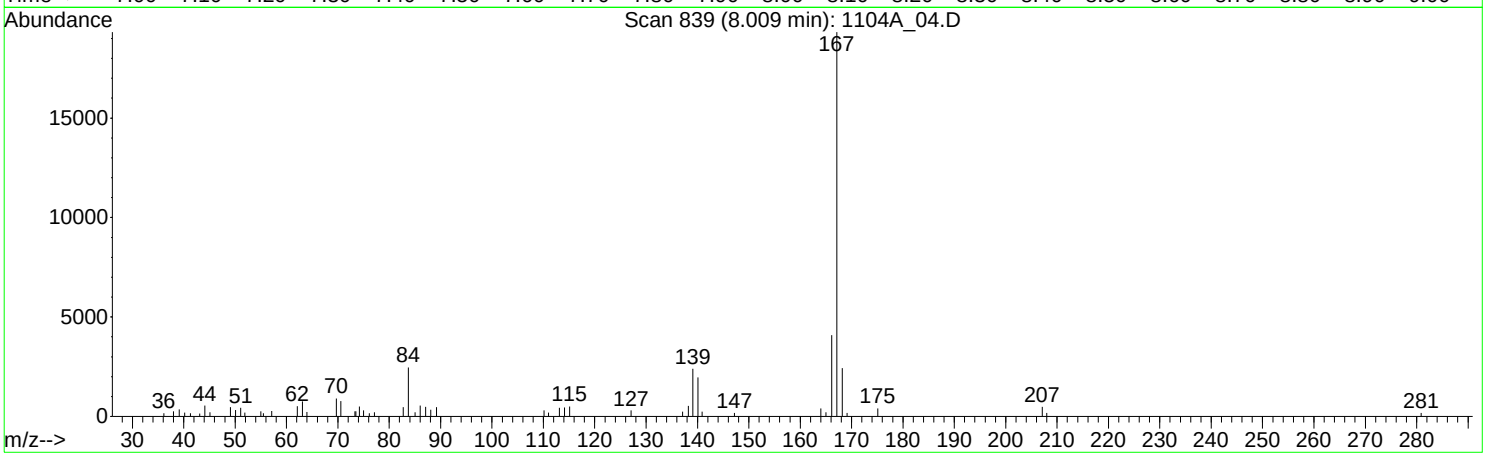
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_04.D Vial: 3
Acq On : 4 Nov 2011 7:56 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:09 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:07:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_04.D

(74) Carbazole (MT)
8.01min (-0.006) 164.3066790 ppb m

response 13280

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.91
168.00	13.30	12.61
139.00	11.80	10.85

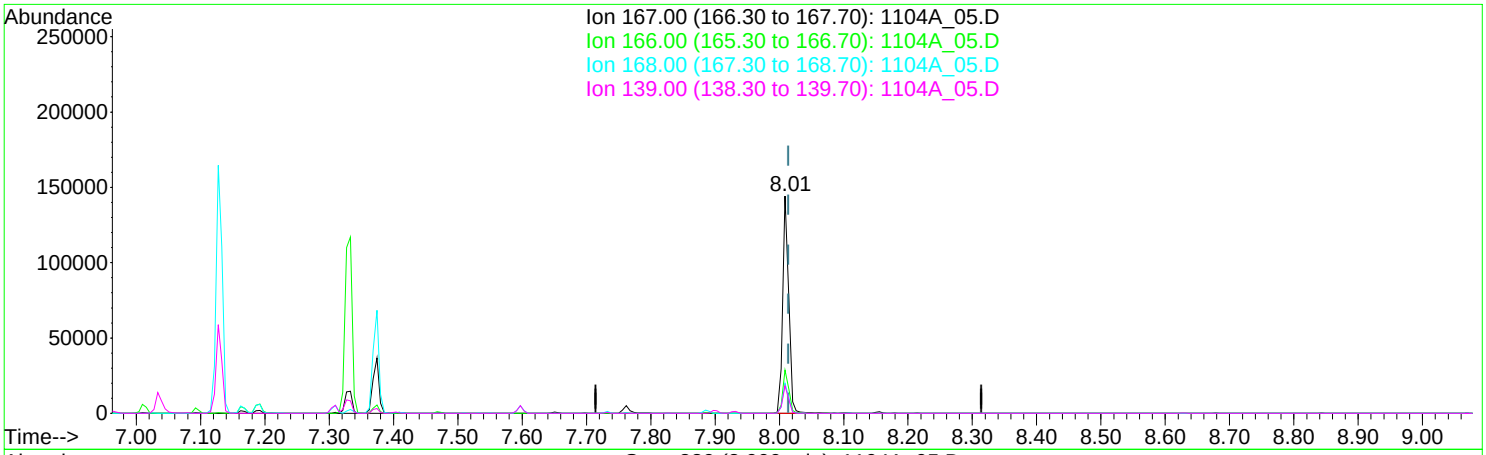
1104A_04.D S810K04K.M Sat Nov 05 13:09:50 2011

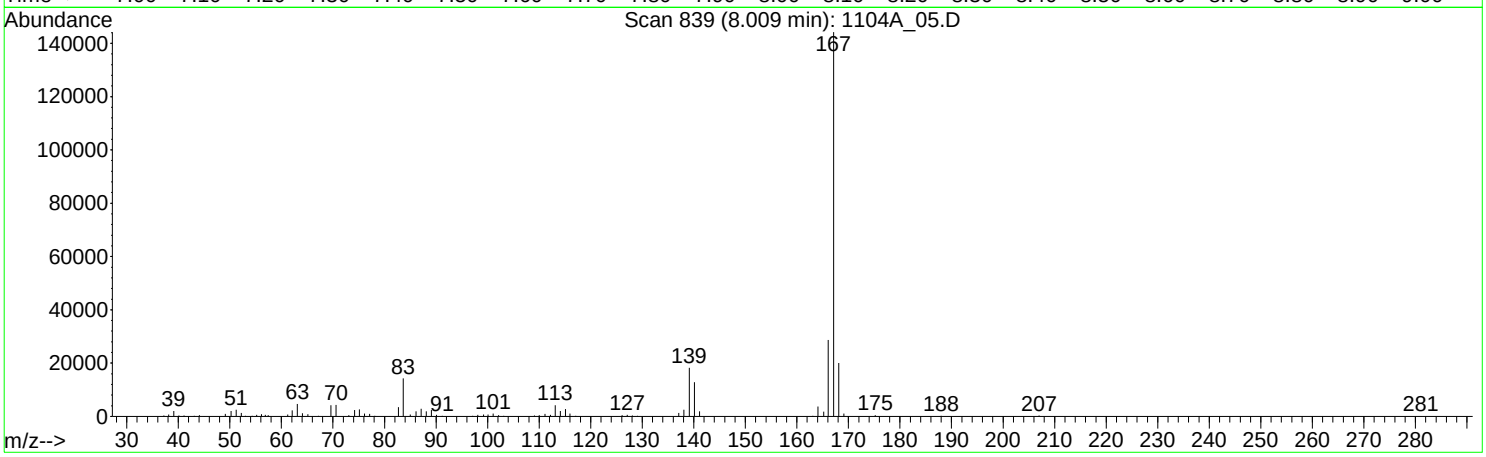
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:06 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:10:01 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(74) Carbazole (MT)
8.01min (-0.006) 1048.1493891 ppb
Qvalue = 99
response 93176

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.20
168.00	13.30	13.54
139.00	11.80	12.54

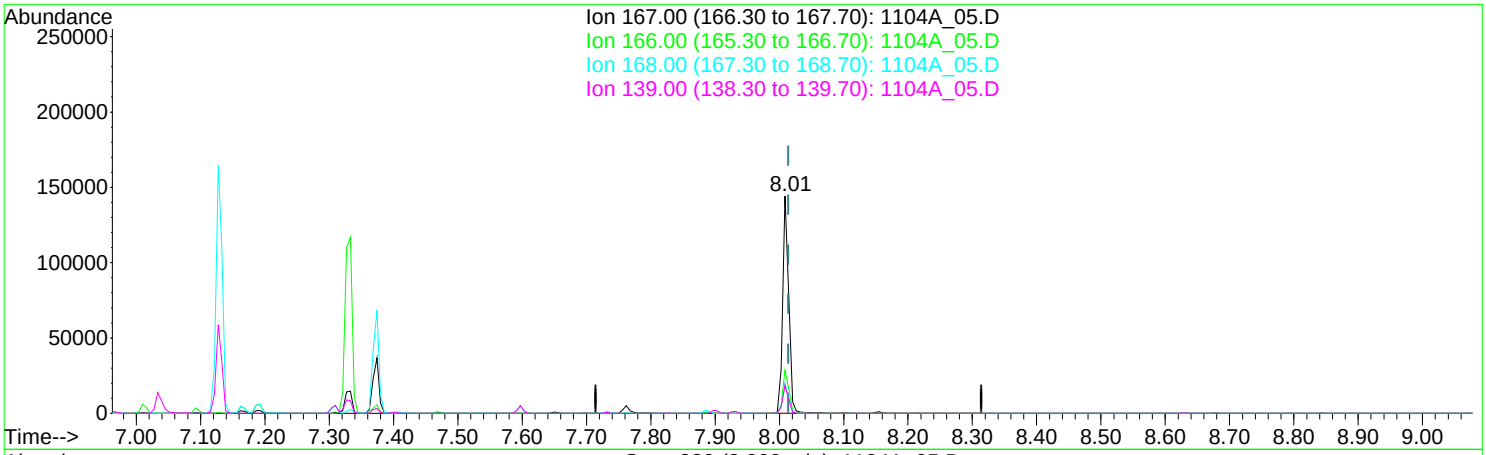
1104A_05.D S810K04K.M Sat Nov 05 13:10:18 2011

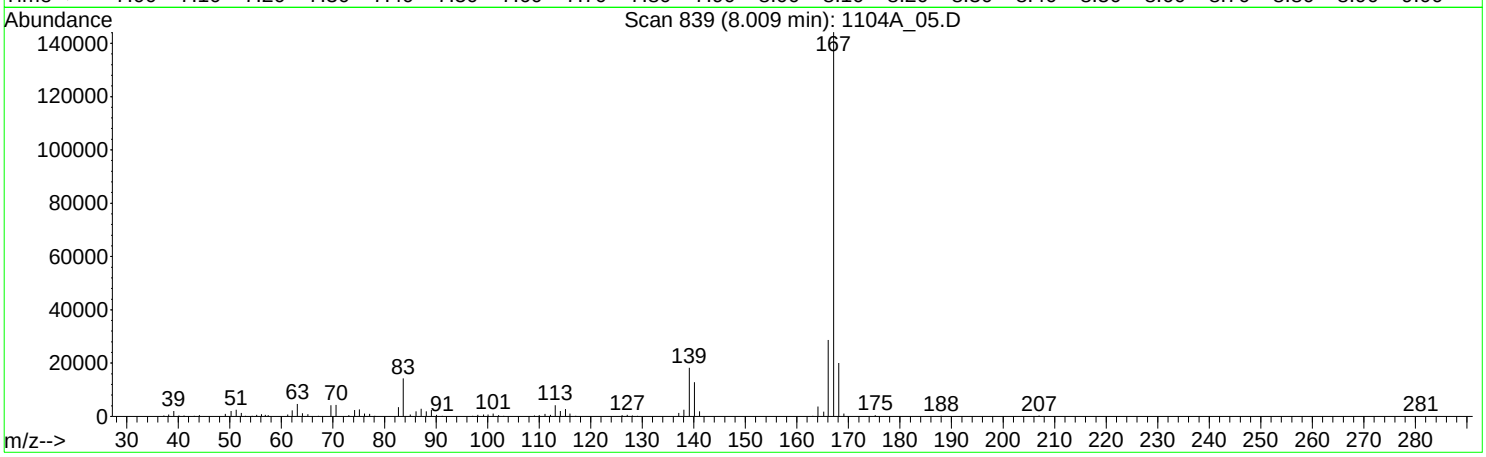
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:10 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:10:01 2011
Response via : Multiple Level Calibration





TIC: 1104A_05.D

(74) Carbazole (MT)
8.01min (-0.006) 1060.2309599 ppb m

response 94250

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	19.96
168.00	13.30	13.39
139.00	11.80	12.40

1104A_05.D S810K04K.M Sat Nov 05 13:10:22 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377
Sample : STD SVMS 5000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:09 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	268803	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	1023507	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	563512	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	870959	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	609418	8000.00 ppb	0.00
88) Perylene-d12	12.12	264	591508	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.45	112	209213m	4300.8321038 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 21504.16%#		
7) Phenol-d5	4.99	99	230186	4551.9681519 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 22759.84%#		
23) Nitrobenzene-d5	5.56	82	221311	4615.0444911 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 46150.44%#		
44) 2-Fluorobiphenyl	6.59	172	458300	4506.5199528 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 45065.20%#		
67) 2,4,6-Tribromophenol	7.47	330	47485	4865.1223112 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 24325.61%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 44479.46%#		

Target Compounds					Qvalue
2) Pyridine	3.54	79	212745m	4167.2163624 ppb	
3) N-Nitrosodimethylamine	3.52	42	108981m	4750.6704626 ppb	
5) Aniline	5.04	93	229036	4424.1158360 ppb	95
6) bis(2-Chloroethyl)ether	5.07	93	283342	4835.2541019 ppb	99
8) Phenol	5.00	94	281087	4639.8039910 ppb	99
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.12	128	239212	4710.0564829 ppb	99
11) n-Decane	5.11	41	115288	4627.8130683 ppb	100
12) 1,3-Dichlorobenzene	5.21	146	263505	4662.4745569 ppb	98
13) 1,4-Dichlorobenzene	5.25	146	265155	4643.8108978 ppb	98
14) Benzyl Alcohol	5.31	79	160295	4670.2334686 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	251196	4792.2340027 ppb	99
16) bis(2-Chloroisopropyl)ethe	5.38	121	78033	4626.8684229 ppb	94
17) 2-Methylphenol	5.35	108	204655	4579.6454330 ppb	97
18) Hexachloroethane	5.55	117	93275	4571.5520081 ppb #	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377
Sample : STD SVMS 5000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:09 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	149769	4649.5095059	ppb		98
20)	3&4-Methyl phenol	5.44	107	228226	4681.5354910	ppb		99
21)	Acetophenone	0.00	105	0	N.D.	d		
24)	Nitrobenzene	5.57	77	209196	4657.7151158	ppb		100
25)	Isophorone	5.70	82	406879	4636.2675804	ppb		98
26)	2-Nitrophenol	5.75	139	121751	4675.3170804	ppb		94
27)	2,4-Dimethylphenol	5.75	107	178127	4068.4043252	ppb		100
28)	bis(2-Chlorethoxy)methane	5.81	93	259884	4735.3625814	ppb		99
29)	2,4-Dichlorophenol	5.89	162	180396	4663.6201807	ppb		87
30)	Benzoic Acid	0.00	105	0	N.D.	d		
31)	1,2,4-Trichlorobenzene	5.95	180	230009	4704.7148764	ppb		99
32)	Naphthalene	6.00	128	685890	4663.6285742	ppb		99
33)	4-Chloroaniline	6.01	65	62396	4765.3527526	ppb		97
34)	Hexachloro-1,3-butadiene	6.05	225	110944	4633.1072487	ppb		98
35)	Caprolactam	0.00	113	0	N.D.	d		
36)	4-Chloro-3-methylphenol	6.26	107	178815	4536.8624108	ppb		87
37)	2-Methylnaphthalene	6.40	142	425239	4611.6134652	ppb		98
38)	1-Methylnaphthalene	6.46	142	434379	4562.0994793	ppb		100
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41)	Hexachlorocyclopentadiene	6.48	237	71803	3845.1235407	ppb		99
42)	2,4,6-Trichlorophenol	6.55	196	125944	4475.3307288	ppb	#	87
43)	2,4,5-Trichlorophenol	6.58	196	126588	4580.8143509	ppb		96
45)	Biphenyl	6.66	154	528080	4670.3337638	ppb		99
46)	2-Chloronaphthalene	6.69	162	412547	4636.3403309	ppb		98
47)	2-Nitroaniline	6.73	138	122374	4609.6345732	ppb		100
48)	Acenaphthylene	6.93	152	634616	4688.1725913	ppb		99
49)	Dimethyl phthalate	6.81	163	452295	4594.6179589	ppb		100
50)	2,6-Dinitrotoluene	6.86	165	103125	4578.3112670	ppb		98
51)	3-Nitroaniline	6.97	138	70102m	5752.3731997	ppb		
52)	Acenaphthene	7.03	153	410065	4546.6903428	ppb		99
53)	2,4-Dinitrophenol	7.03	184	27189	4230.4285162	ppb	#	1
54)	Dibenzofuran	7.13	168	557157	4696.0531476	ppb		99
55)	2,4-Dinitrotoluene	7.10	165	123465	4539.3203192	ppb		98
57)	4-Nitrophenol	7.03	139	64231	4405.3222318	ppb		98
58)	Fluorene	7.33	166	434384	4559.7384019	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377
Sample : STD SVMS 5000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:09 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	224509	4648.6303706 ppb		96
60)	Diethyl phthalate	7.21	149	439108	4534.8786505 ppb		99
61)	4-Nitroaniline	7.33	138	63152	5482.2401904 ppb		95
62)	Azobenzene	7.40	77	424130	4751.1793709 ppb		98
63)	Atrazine	0.00	200	0	N.D. d		
65)	4,6-Dinitro-2-methylphenol	7.34	198	47331	4778.8832929 ppb	#	64
66)	N-Nitrosodiphenylamine	7.37	169	349205	4740.1891790 ppb		98
68)	4-Bromophenyl-phenylether	7.60	248	121436	4846.6463845 ppb		92
69)	Hexachlorobenzene	7.66	284	133423	4769.4629166 ppb		100
70)	n-octadecane	7.73	55	74788	4785.3827751 ppb		98
71)	Pentachlorophenol	7.76	266	61545	4481.8027800 ppb		99
72)	Phenanthrene	7.90	178	612511	4767.9209400 ppb		100
73)	Anthracene	7.93	178	590959	4664.7021884 ppb		100
74)	Carbazole	8.01	167	484961m	4936.0966309 ppb		
75)	Di-n-butyl phthalate	8.16	149	791967	4847.4756644 ppb		100
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.63	202	617593	4659.5275635 ppb		99
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.80	202	608681	4465.6474230 ppb		100
82)	Benzylbutyl phthalate	9.23	149	299041	4447.3515009 ppb		97
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.89	228	421997	4544.0321705 ppb		98
85)	Chrysene	9.94	228	398049	4556.7392282 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	403691	4138.4056008 ppb		99
87)	Di-n-octyl phthalate	10.66	149	621942	4293.7314925 ppb		99
89)	Benzo(b)fluoranthene	11.43	252	388943	4581.0192988 ppb		98
90)	Benzo(k)fluoranthene	11.48	252	383206	4709.5563080 ppb		98
91)	Benzo(a)pyrene	12.02	252	372811	4653.2598096 ppb		99
92)	Indeno(1,2,3-cd)pyrene	13.80	276	470370	4537.3377659 ppb		97
94)	Benzo(g,h,i)perylene	14.30	276	412307	4542.3626768 ppb		98

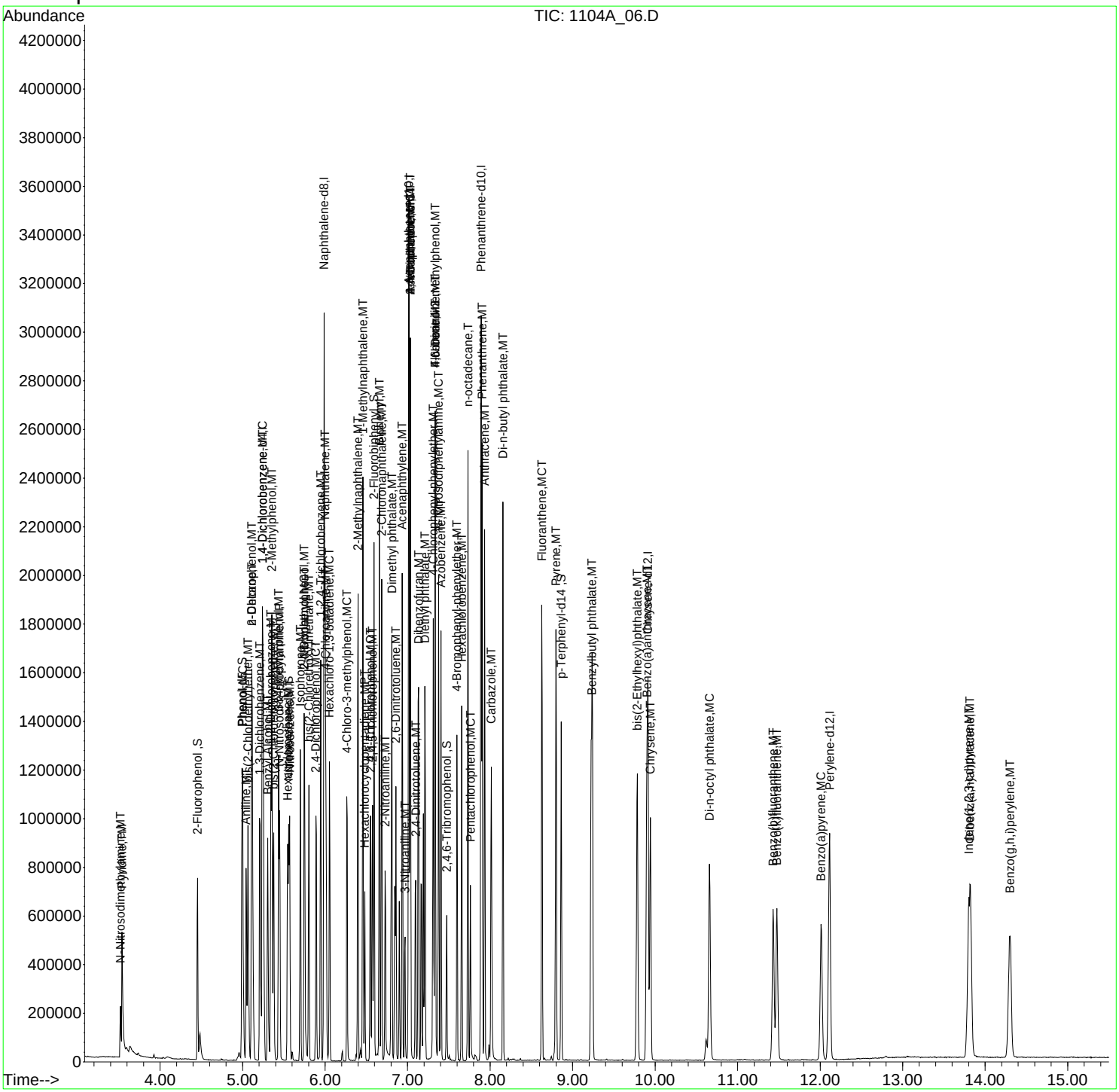
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_06.D Vial: 5
Acq On : 4 Nov 2011 8:38 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:09 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:10:30 2011
Response via : Initial Calibration

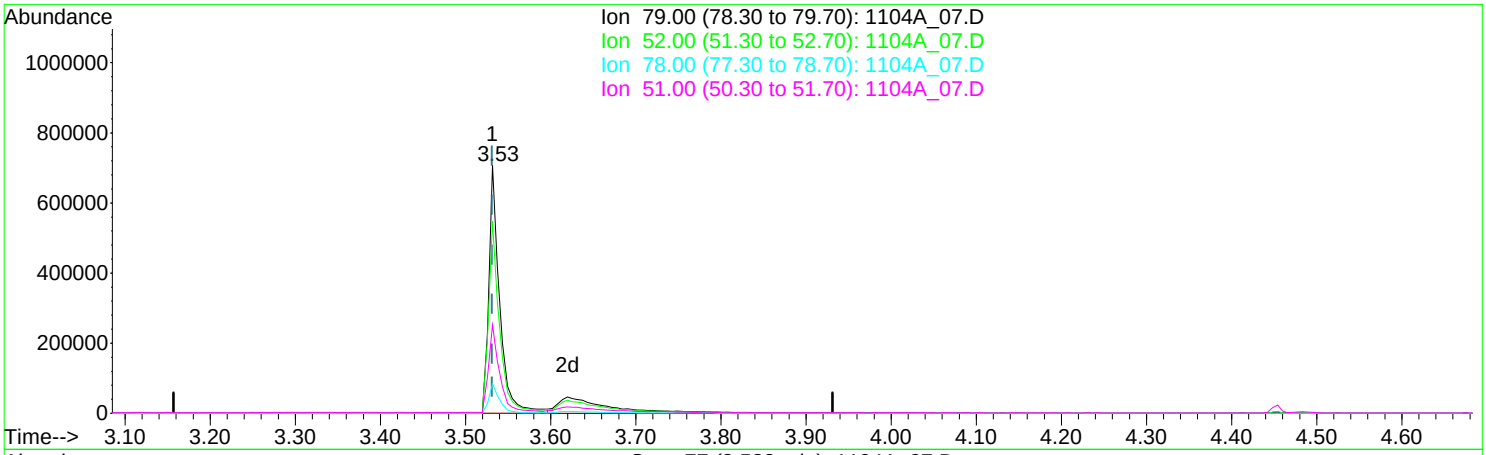


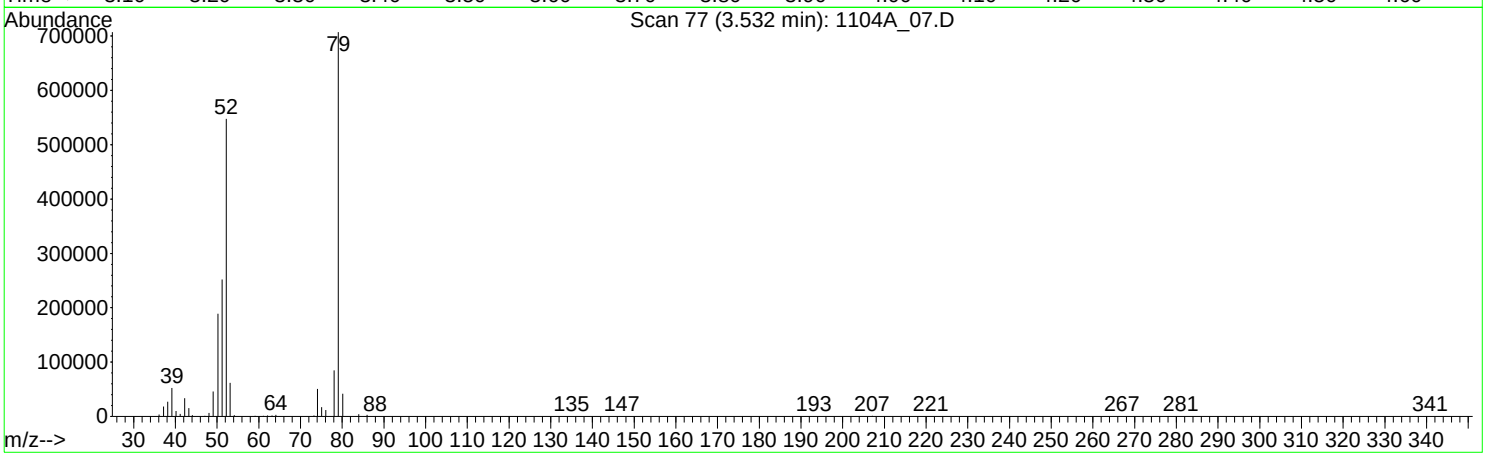
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(2) Pyridine (TM)
3.53min (+0.000) 14791.0829243 ppb
Qvalue = 99
response 626823

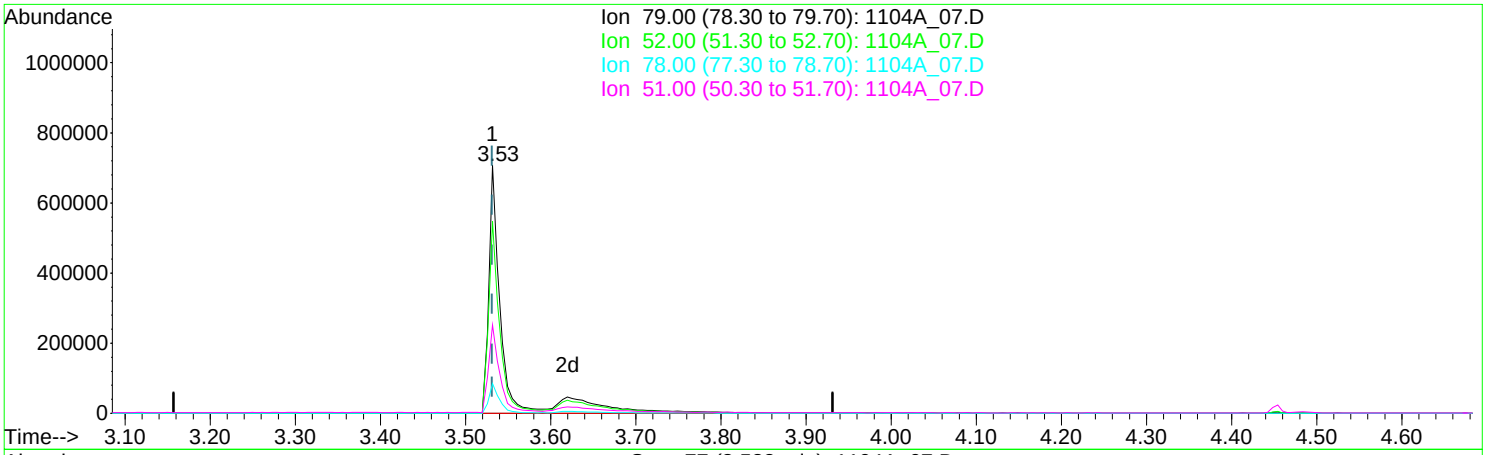
Ion	Exp%	Act%
79.00	100	100
52.00	78.30	77.46
78.00	12.10	12.00
51.00	36.90	35.35

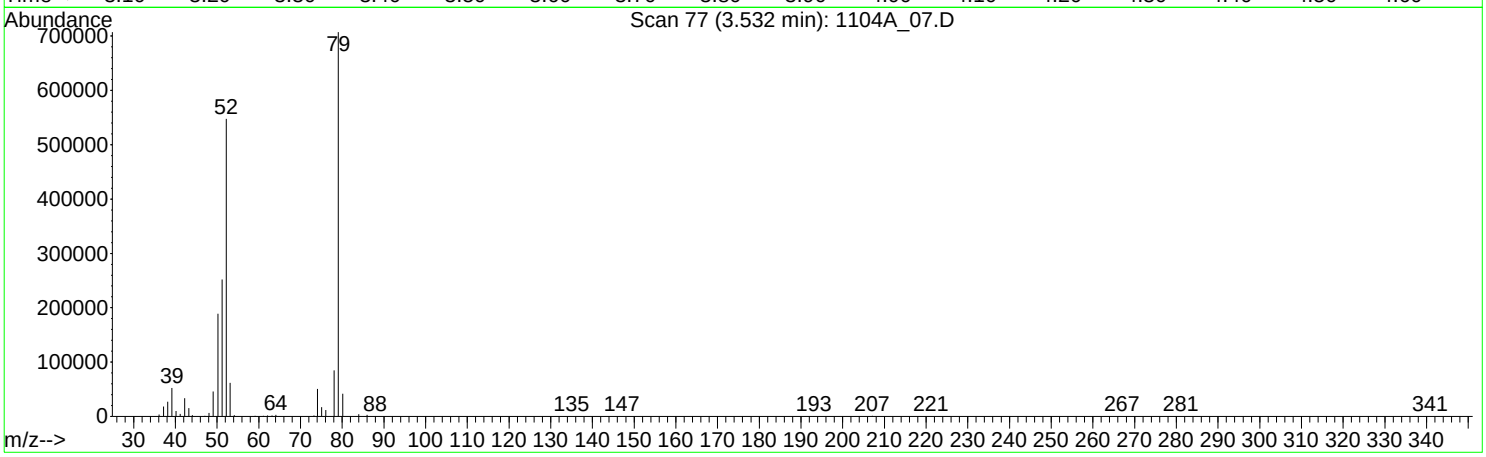
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(2) Pyridine (TM)
3.53min (+0.000) 19571.3203880 ppb m

response 829402

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	77.46
78.00	12.10	12.00
51.00	36.90	35.68

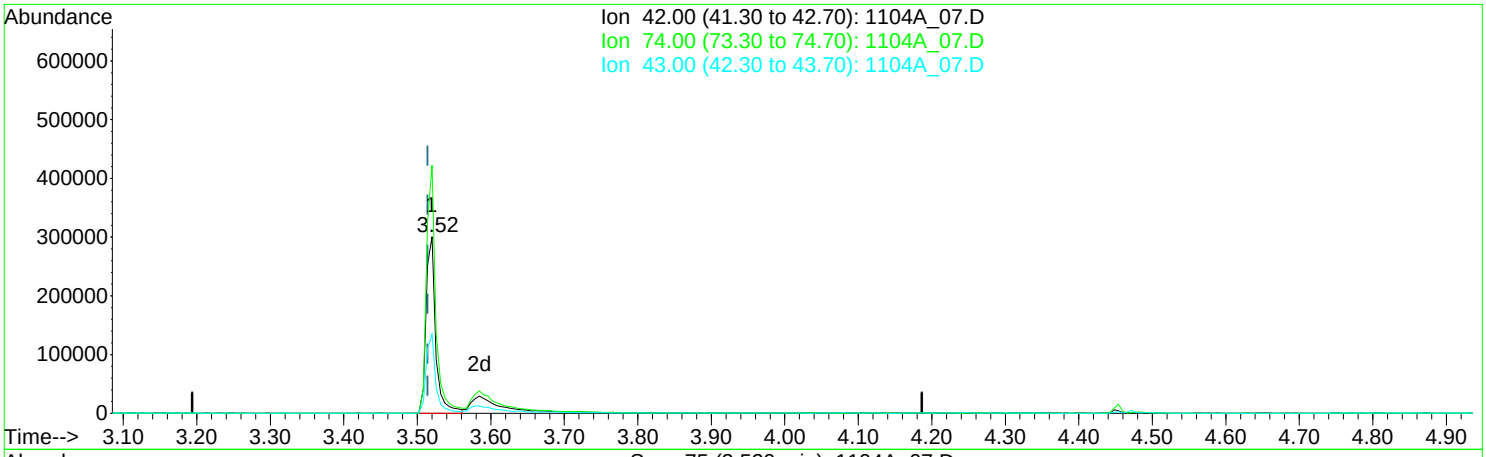
1104A_07.D S810K04K.M Sat Nov 05 13:11:20 2011

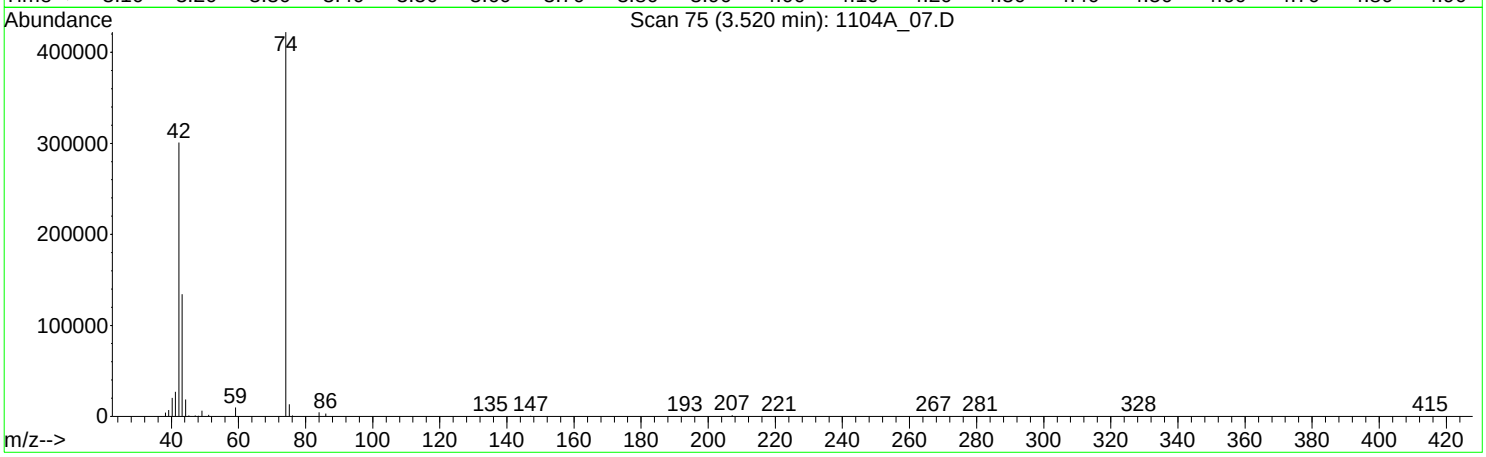
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 14275.6871713 ppb
Qvalue = 58
response 271847

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	136.11#
43.00	30.30	44.76
0.00	0.00	0.00

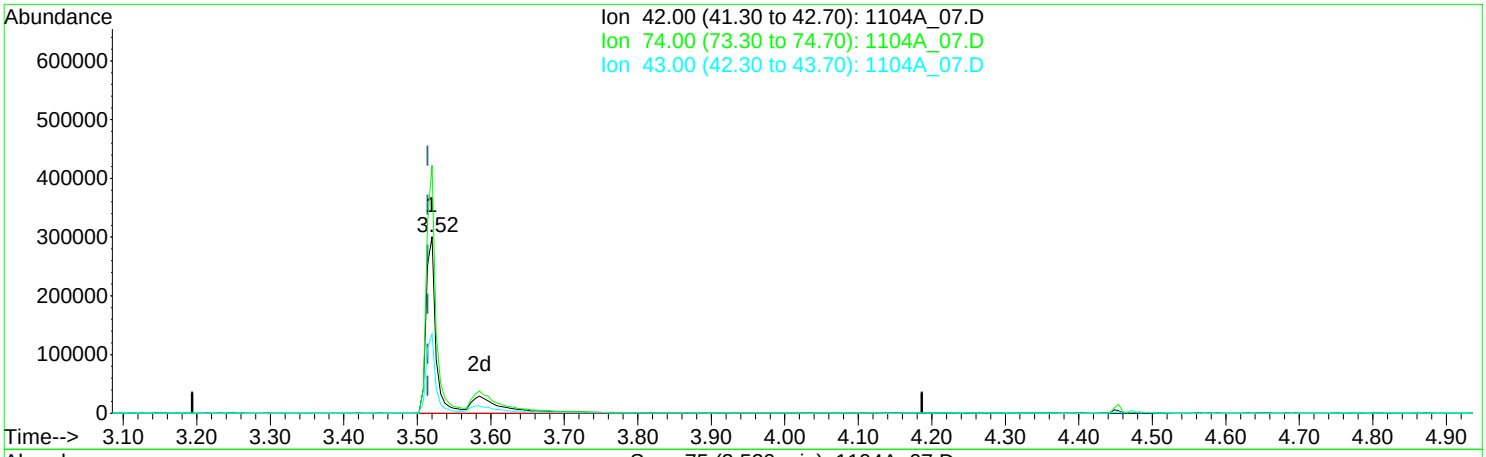
1104A_07.D S810K04K.M Sat Nov 05 13:11:22 2011

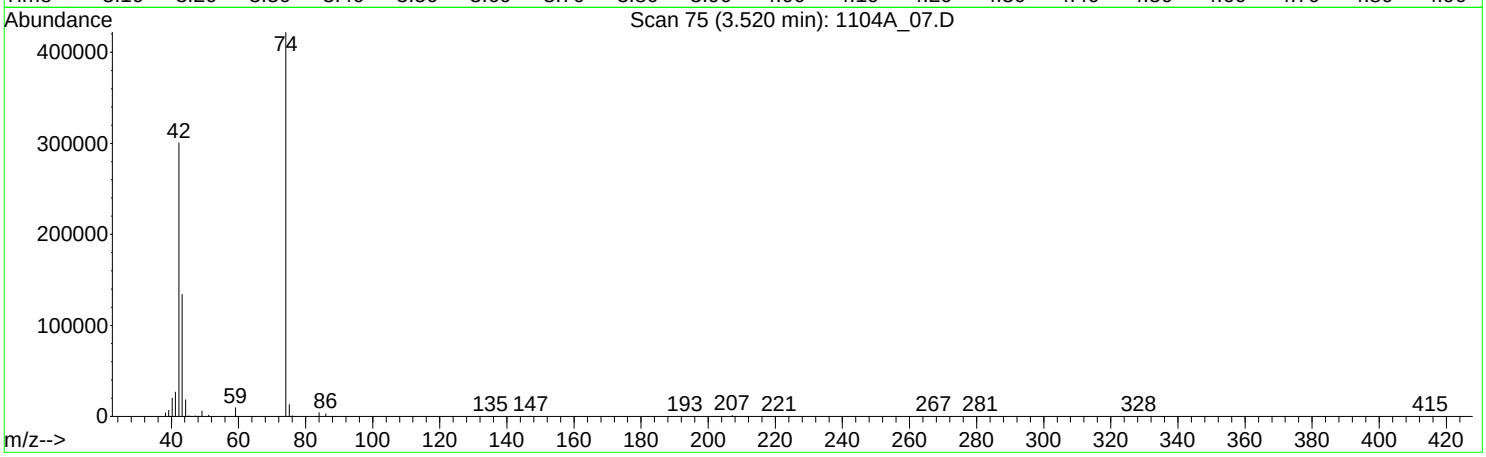
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 20017.7433207 ppb m

response 381191

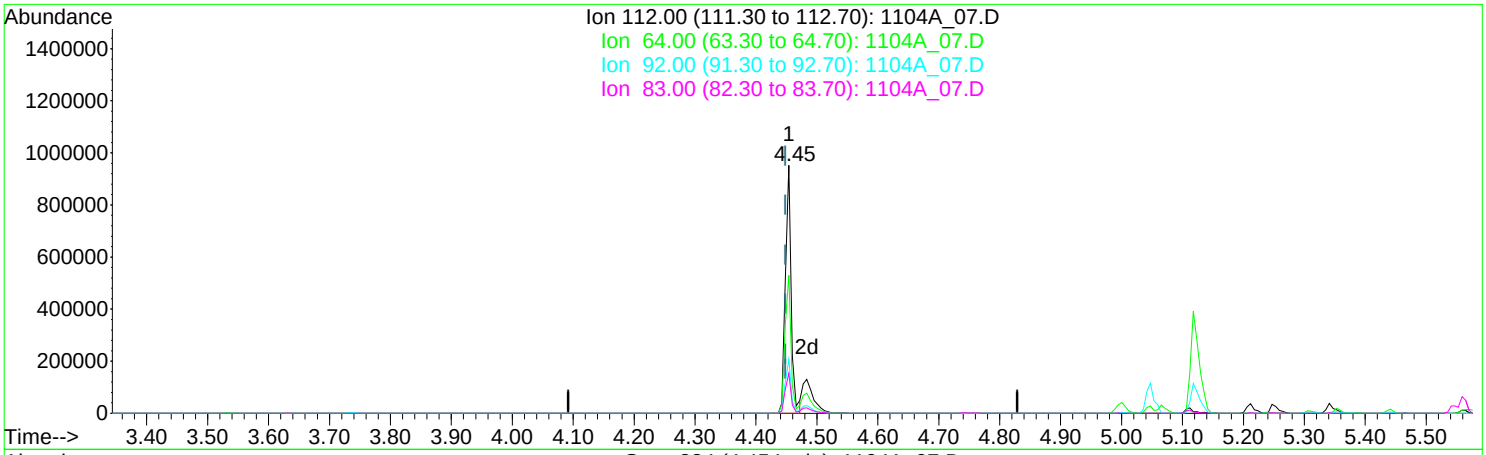
Ion	Exp%	Act%
42.00	100	100
74.00	91.20	97.06
43.00	30.30	31.92
0.00	0.00	0.00

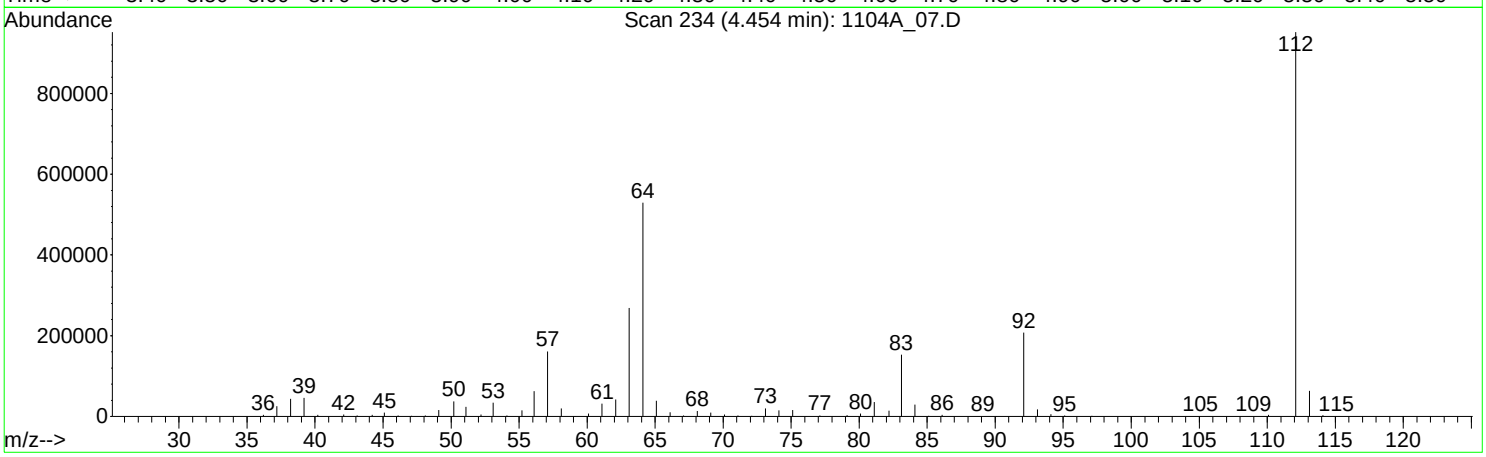
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 15719.6583243 ppb
Qvalue = 94
response 634762

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	55.65
92.00	22.80	21.78
83.00	17.30	16.11

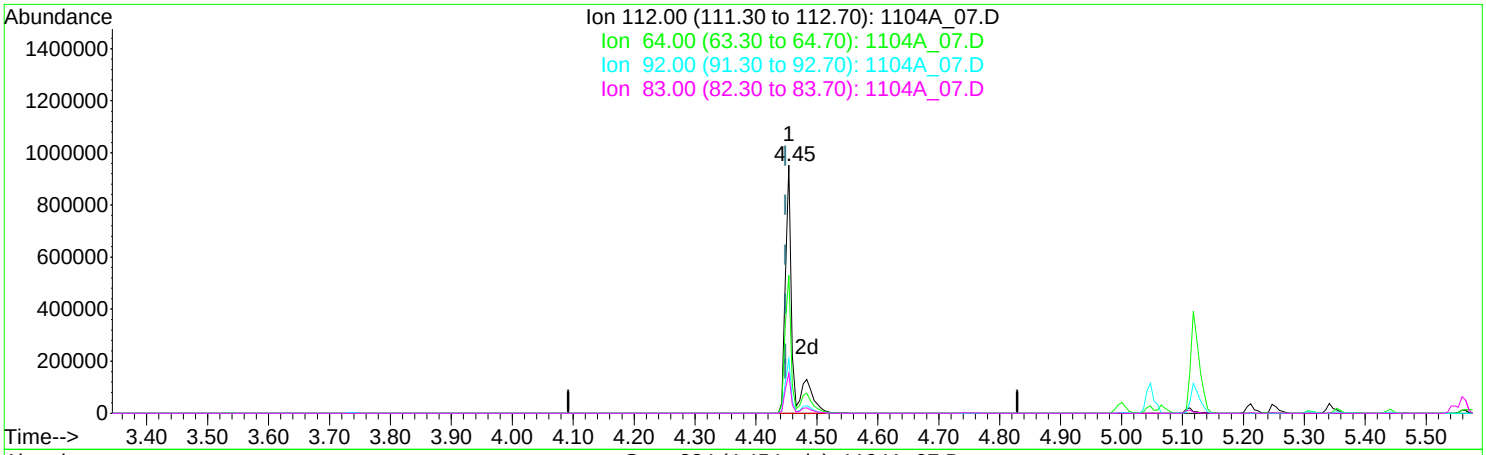
1104A_07.D S810K04K.M Sat Nov 05 13:11:29 2011

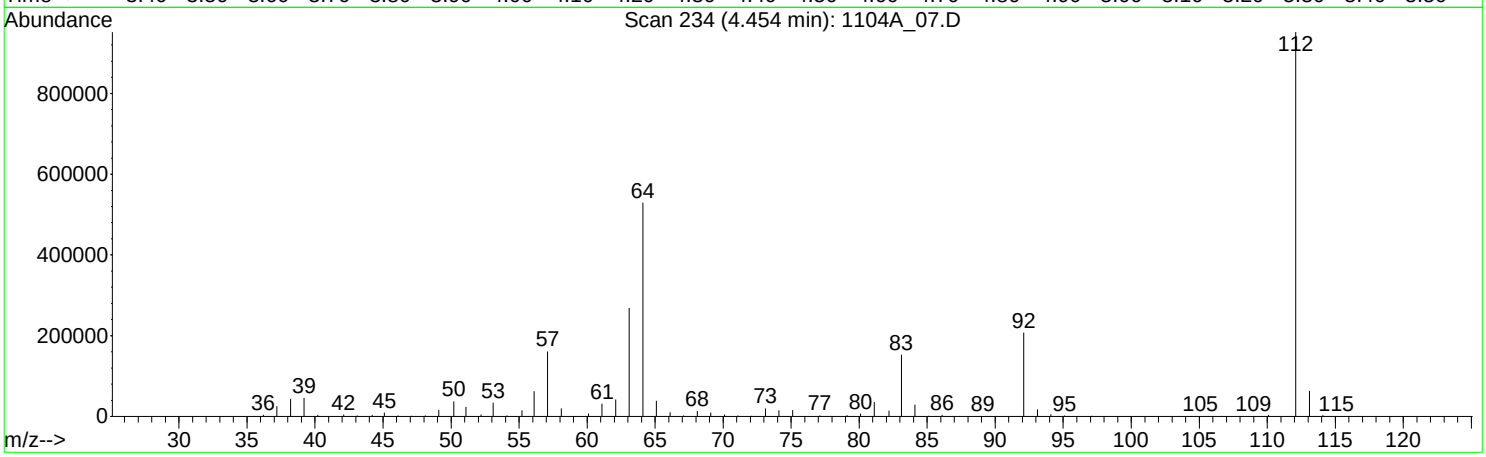
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 19675.2662290 ppb m

response 794490

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	55.65
92.00	22.80	21.78
83.00	17.30	16.11

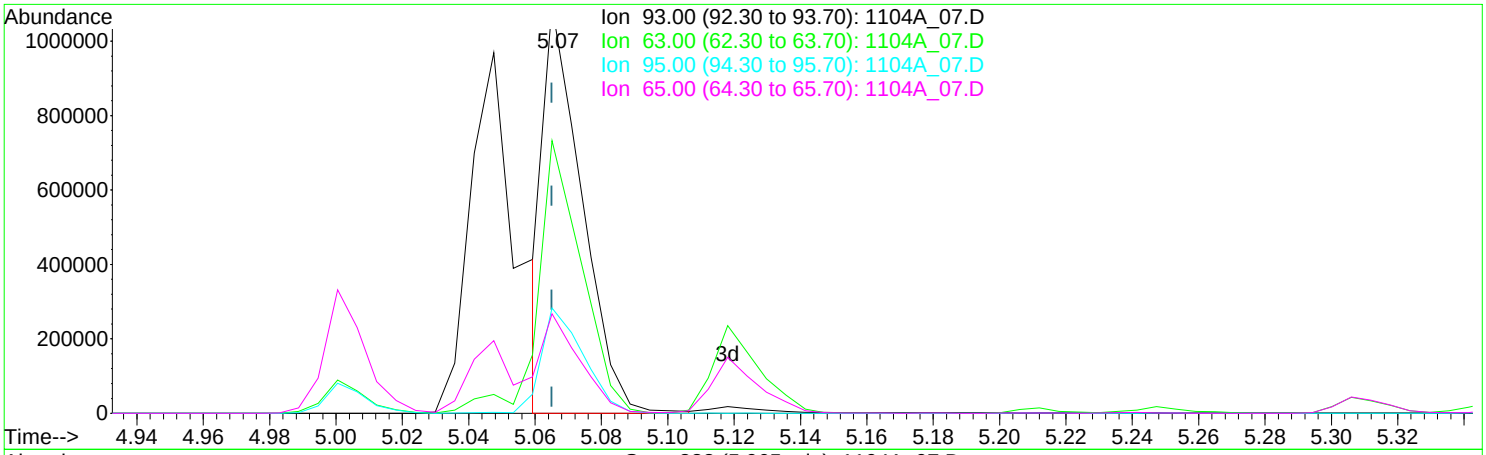
1104A_07.D S810K04K.M Sat Nov 05 13:11:33 2011

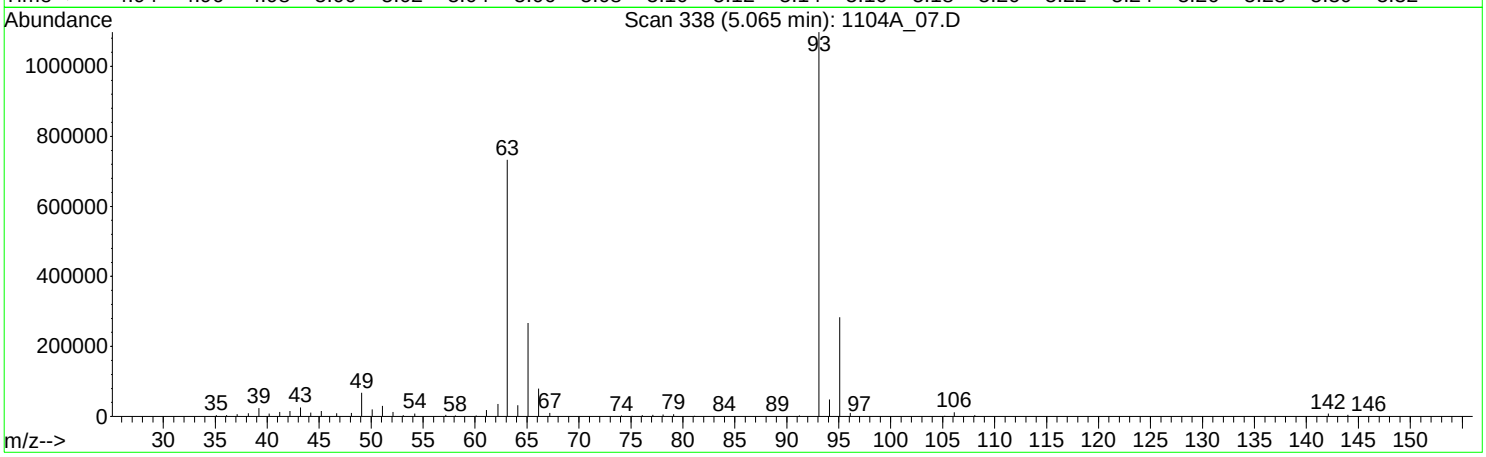
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (+0.000) 17898.0141972 ppb
Qvalue = 97
response 870619

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	66.35
95.00	27.50	25.91
65.00	23.30	23.80

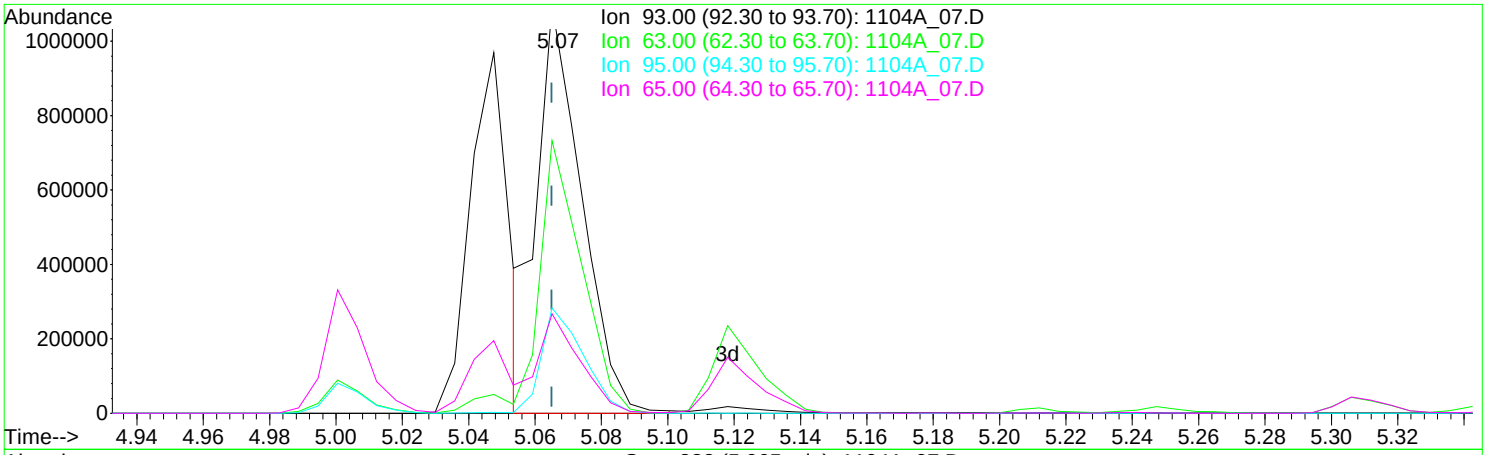
1104A_07.D S810K04K.M Sat Nov 05 13:11:37 2011

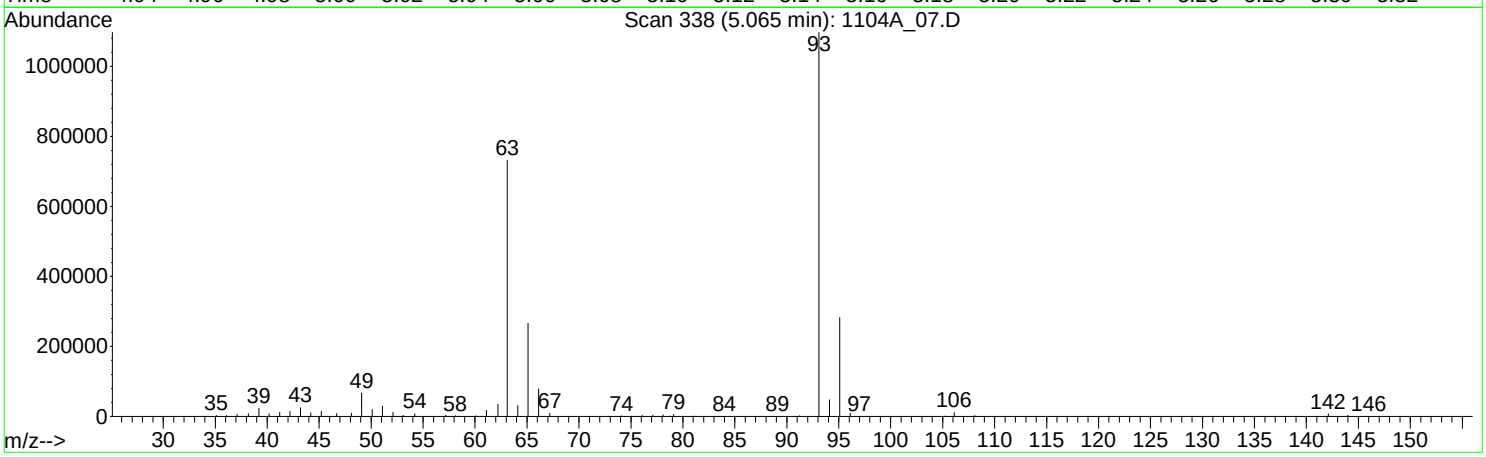
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (+0.000) 20849.8886228 ppb m

response 1014208

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	66.78
95.00	27.50	25.81
65.00	23.30	24.35

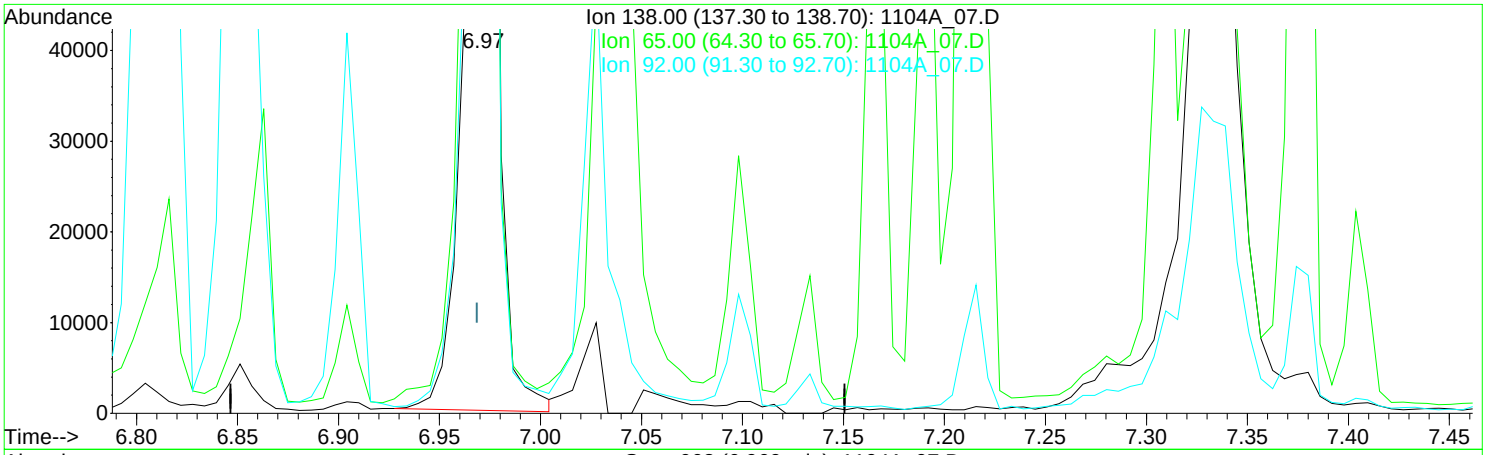
1104A_07.D S810K04K.M Sat Nov 05 13:11:41 2011

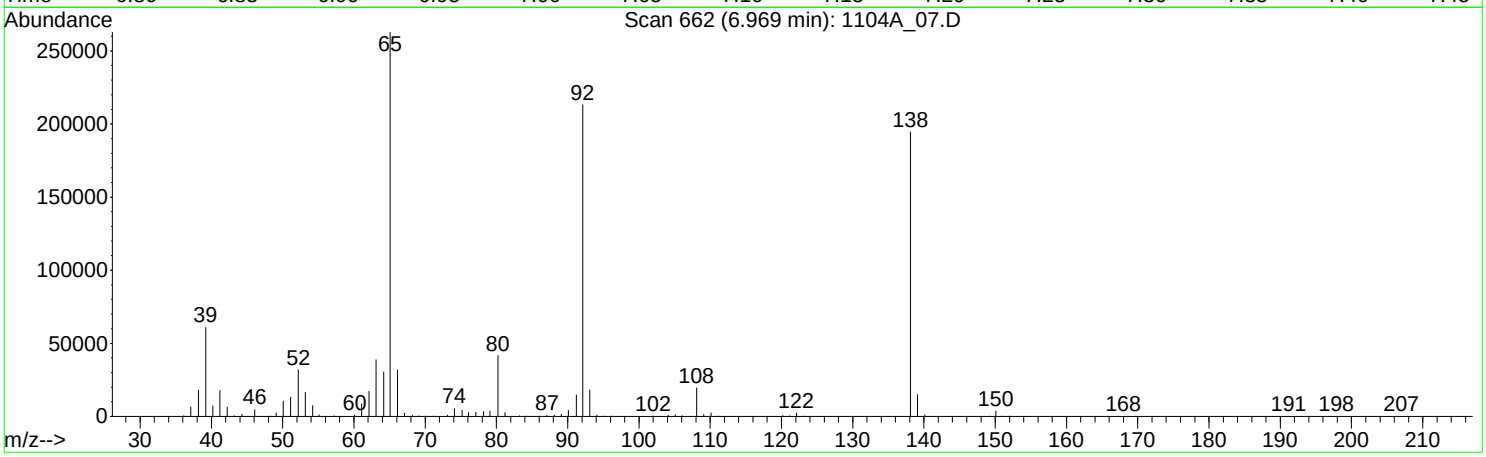
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:12 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(51) 3-Nitroaniline (MT)
6.97min (+0.000) 17064.4758476 ppb
Qvalue = 85
response 174582

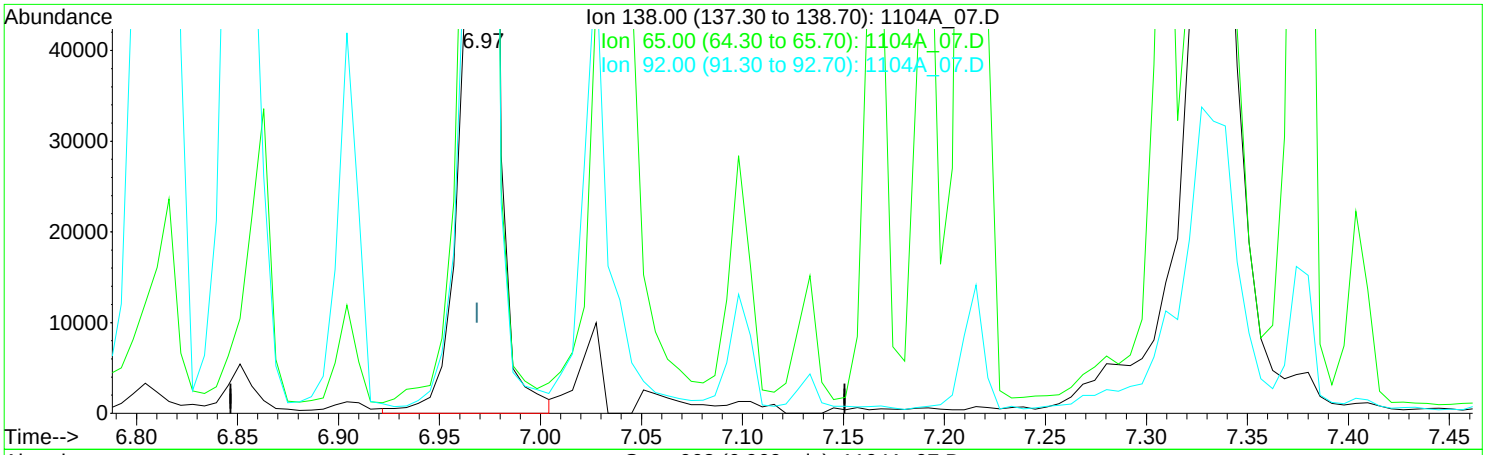
Ion	Exp%	Act%
138.00	100	100
65.00	114.70	135.01#
92.00	98.30	109.60
0.00	0.00	0.00

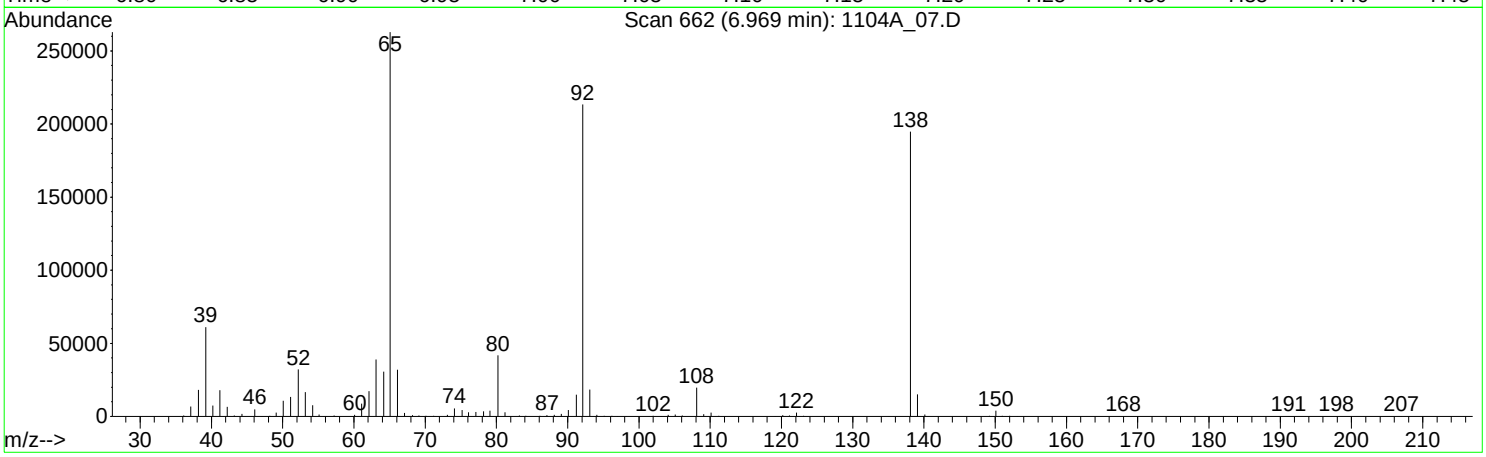
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:12 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(51) 3-Nitroaniline (MT)
6.97min (+0.000) 17240.5141620 ppb m

response 176383

Ion	Exp%	Act%
138.00	100	100
65.00	114.70	135.01#
92.00	98.30	109.60
0.00	0.00	0.00

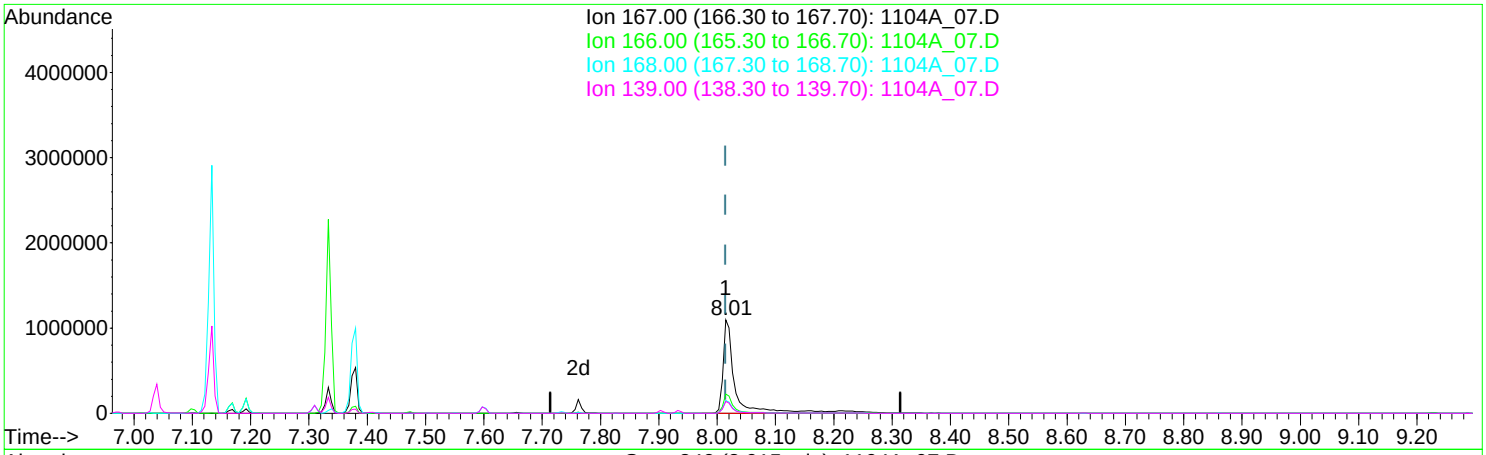
1104A_07.D S810K04K.M Sat Nov 05 13:12:45 2011

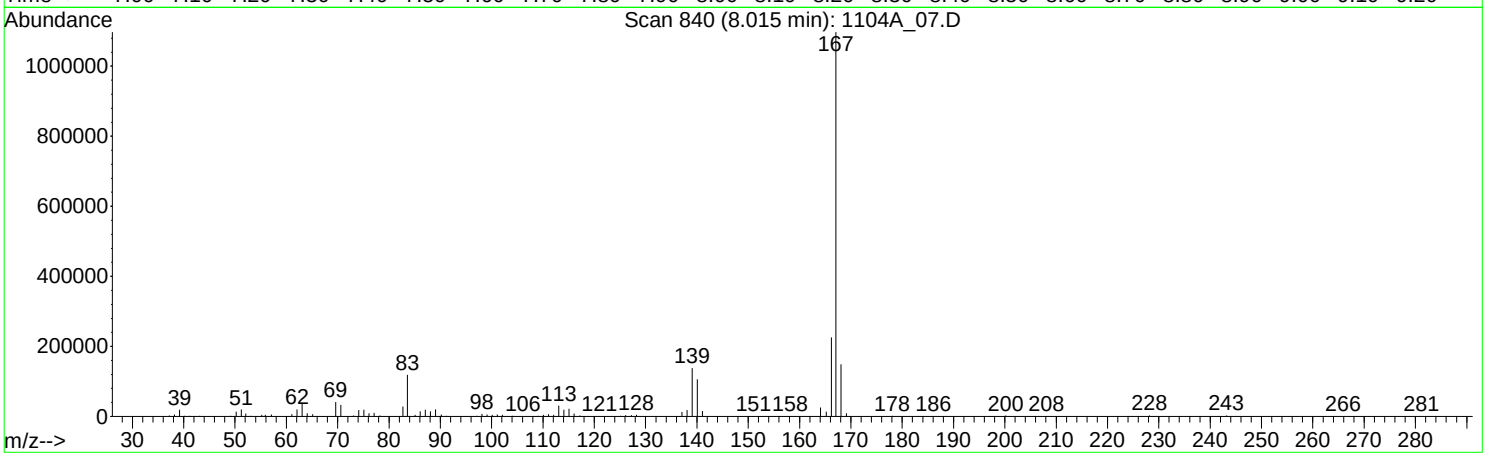
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:12 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(74) Carbazole (MT)
8.01min (+0.000) 19035.5905868 ppb
Qvalue = 99
response 1651515

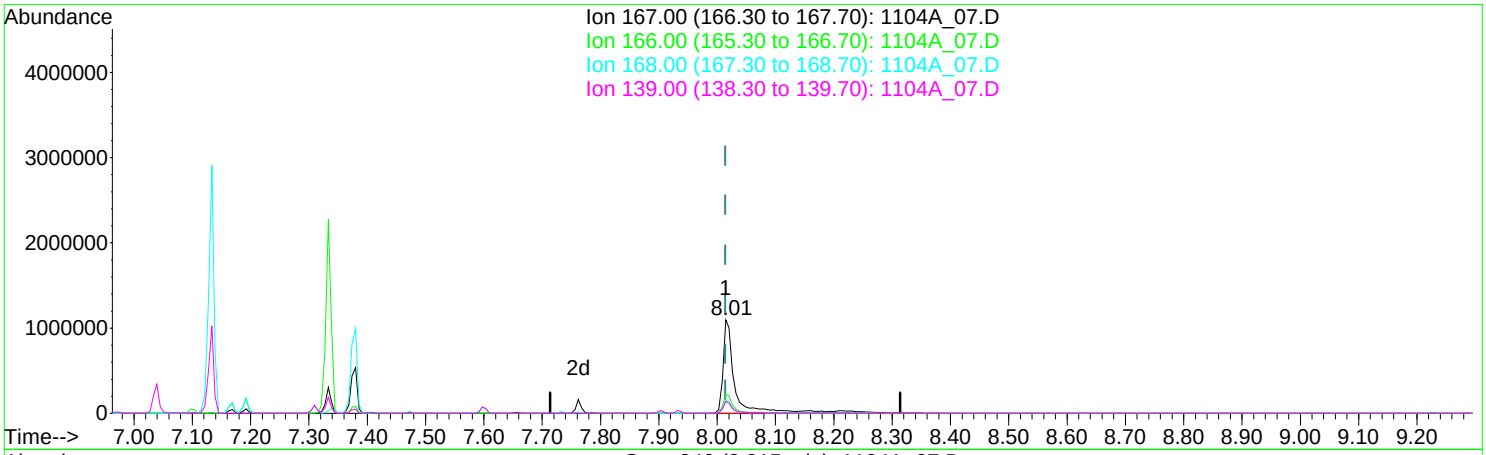
Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.45
168.00	13.30	13.50
139.00	11.80	12.39

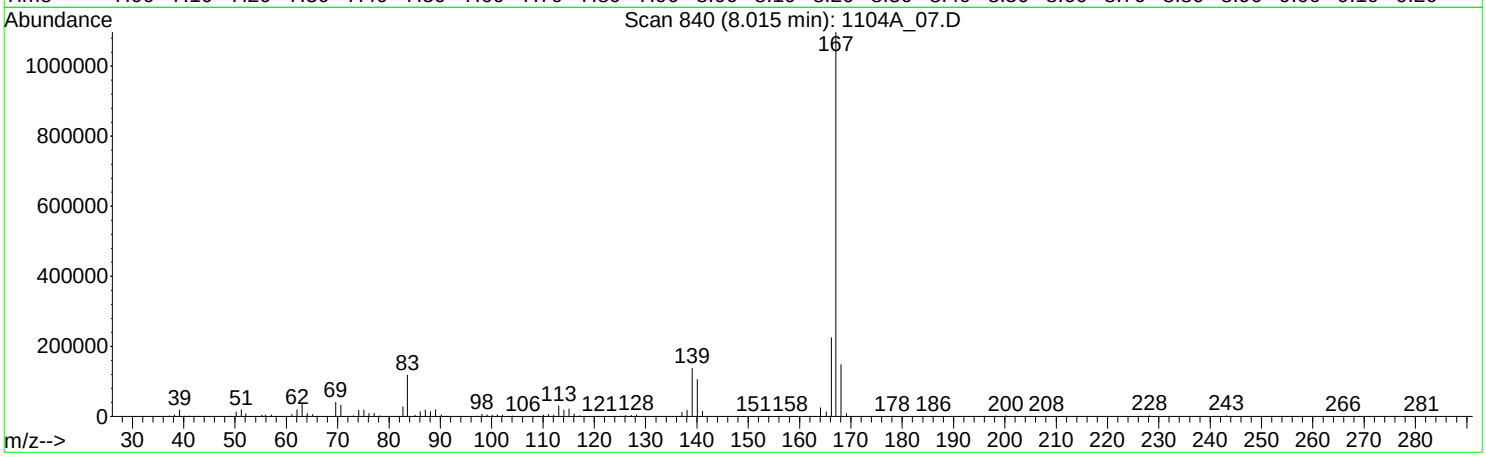
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(74) Carbazole (MT)
8.01min (+0.000) 19106.9258578 ppb m

response 1657704

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.37
168.00	13.30	13.45
139.00	11.80	12.35

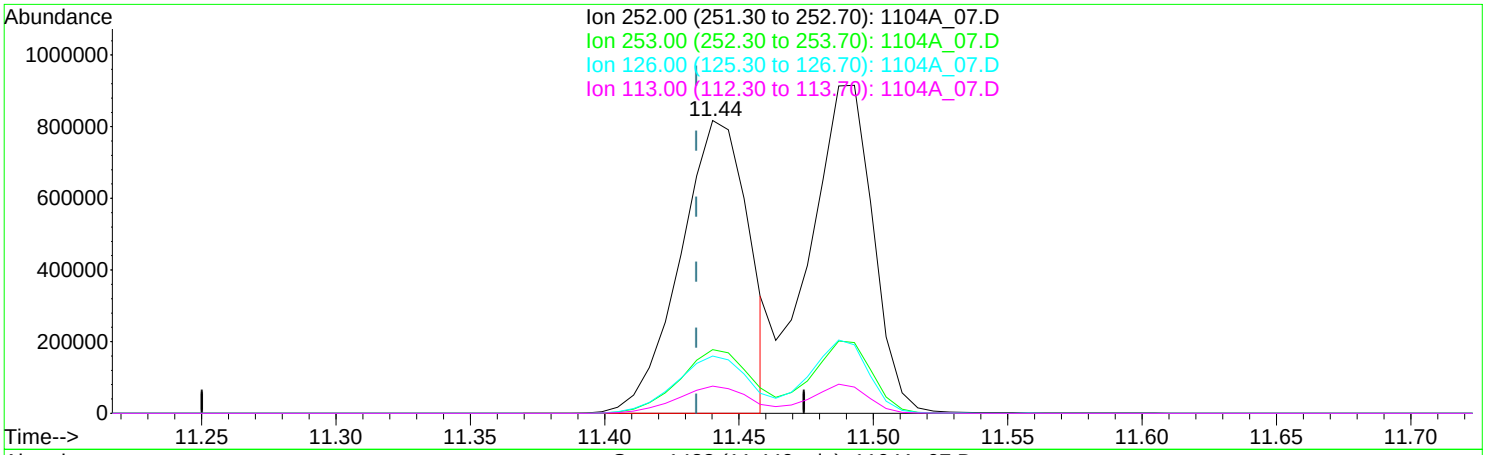
1104A_07.D S810K04K.M Sat Nov 05 13:13:10 2011

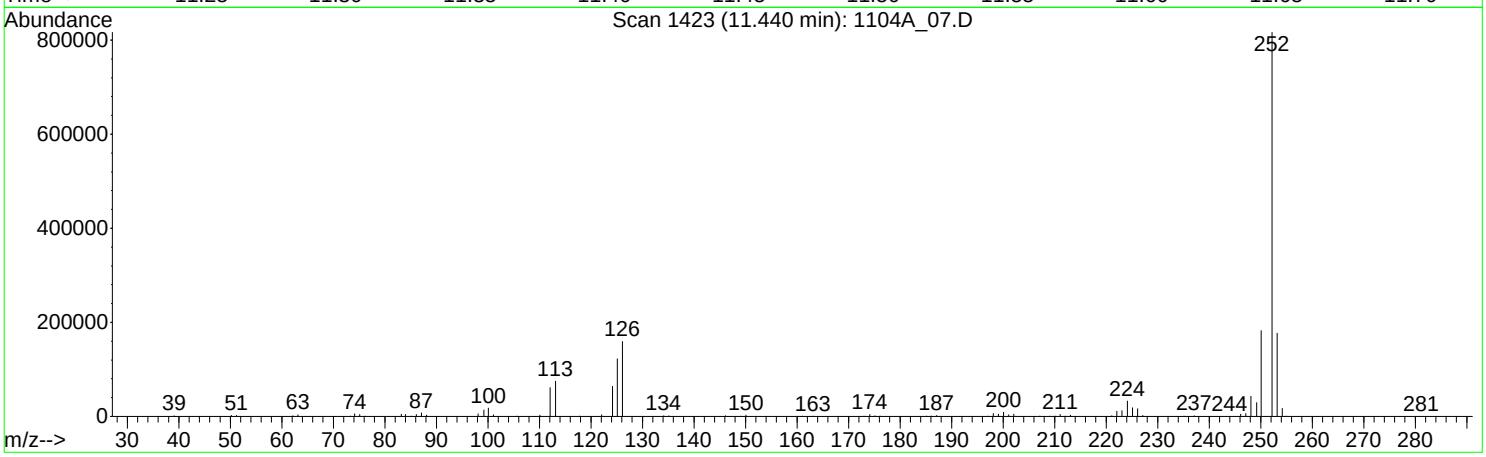
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(89) Benzo(b)fluoranthene (MT)
11.44min (+0.006) 18752.9150850 ppb
Qvalue = 97
response 1444777

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.75
126.00	17.10	20.19
113.00	8.80	9.72

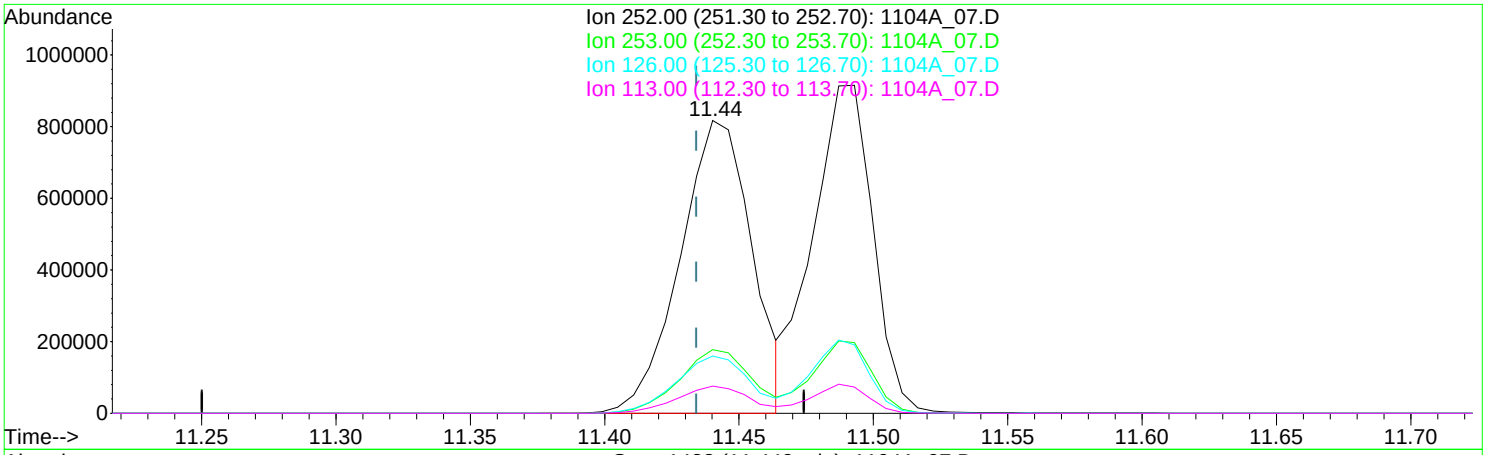
1104A_07.D S810K04K.M Sat Nov 05 13:13:20 2011

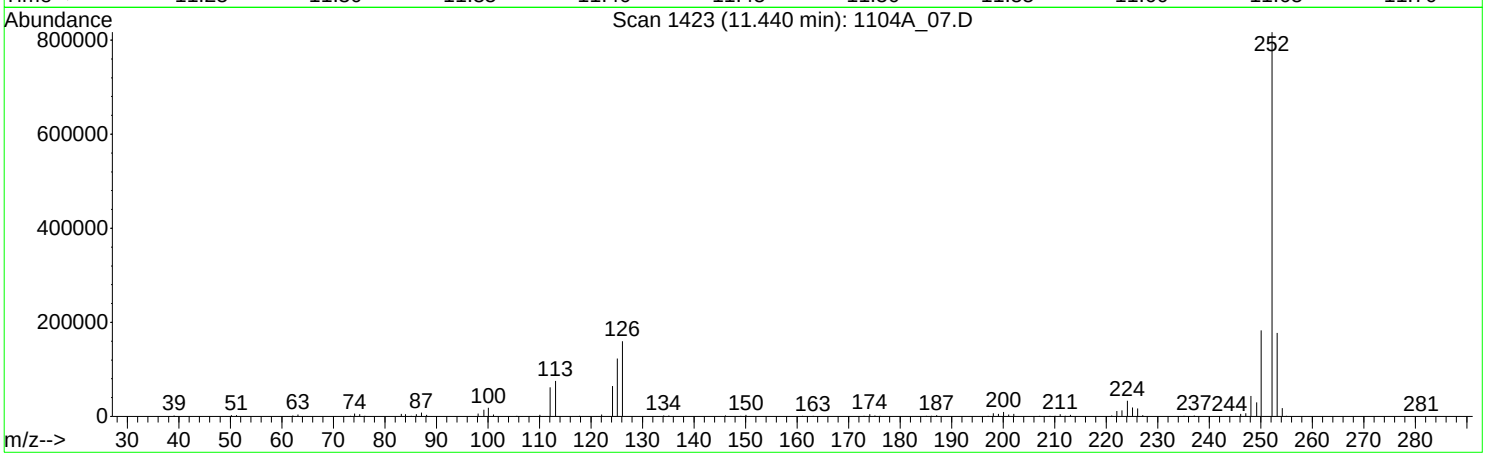
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(89) Benzo(b)fluoranthene (MT)
11.44min (+0.006) 19685.6564222 ppb m

response 1516638

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.77
126.00	17.10	19.58
113.00	8.80	9.29

1104A_07.D S810K04K.M Sat Nov 05 13:13:23 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377
Sample : STD SVMS 20000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:13 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	223134	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	872983	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	473071	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	769114	8000.00 ppb	0.00
78) Chrysene-d12	9.92	240	526312	8000.00 ppb	0.01
88) Perylene-d12	12.12	264	536746	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	794490m	19675.2662290 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 98376.33%#		
7) Phenol-d5	4.99	99	823790	19624.7975371 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 98123.99%#		
23) Nitrobenzene-d5	5.56	82	780451	19081.1068595 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 190811.07%#		
44) 2-Fluorobiphenyl	6.59	172	1525794	17871.6309077 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 178716.31%#		
67) 2,4,6-Tribromophenol	7.47	330	178740	20737.9617365 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 103689.81%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 195013.93%#		

Target Compounds

					Qvalue
2) Pyridine	3.53	79	829402m	19571.3203880 ppb	
3) N-Nitrosodimethylamine	3.52	42	381191m	20017.7433207 ppb	
5) Aniline	5.05	93	774351	18018.9285521 ppb	95
6) bis(2-Chloroethyl)ether	5.07	93	1014208m	20849.8886228 ppb	
8) Phenol	5.00	94	989763	19681.5115295 ppb	95
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.12	128	817561	19392.4053228 ppb	97
11) n-Decane	5.11	41	380418	18395.9034477 ppb	100
12) 1,3-Dichlorobenzene	5.21	146	897751	19136.0312977 ppb	97
13) 1,4-Dichlorobenzene	5.25	146	881409	18596.0432110 ppb	97
14) Benzyl Alcohol	5.31	79	550889	19335.3072248 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	850452	19545.3505569 ppb	99
16) bis(2-Chloroisopropyl)ethe	5.38	121	269729	19266.5896821 ppb	99
17) 2-Methylphenol	5.35	108	700773	18891.0116918 ppb	98
18) Hexachloroethane	5.55	117	329284	19441.8414195 ppb	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377
Sample : STD SVMS 20000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:13 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	511851	19142.4325966	ppb		96
20)	3&4-Methyl phenol	5.44	107	788228	19477.9577797	ppb		98
21)	Acetophenone	0.00	105	0	N.D.	d		
24)	Nitrobenzene	5.57	77	724443	18910.7518893	ppb		96
25)	Isophorone	5.71	82	1403867	18754.8767204	ppb		99
26)	2-Nitrophenol	5.76	139	403895	18184.1096148	ppb		83
27)	2,4-Dimethylphenol	5.75	107	632206	16929.2608846	ppb		96
28)	bis(2-Chlorethoxy)methane	5.81	93	861334	18400.5293431	ppb		99
29)	2,4-Dichlorophenol	5.89	162	647071	19612.5126377	ppb		90
30)	Benzoic Acid	0.00	105	0	N.D.	d		
31)	1,2,4-Trichlorobenzene	5.95	180	773636	18552.8306483	ppb		99
32)	Naphthalene	6.00	128	2311609	18427.6048466	ppb		99
33)	4-Chloroaniline	6.01	65	217985	19518.6576053	ppb		97
34)	Hexachloro-1,3-butadiene	6.05	225	376220	18420.2467404	ppb		99
35)	Caprolactam	0.00	113	0	N.D.	d		
36)	4-Chloro-3-methylphenol	6.27	107	642439	19110.3477384	ppb		97
37)	2-Methylnaphthalene	6.40	142	1473221	18731.5079924	ppb		99
38)	1-Methylnaphthalene	6.46	142	1443347	17772.6306082	ppb		100
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41)	Hexachlorocyclopentadiene	6.48	237	270719	17268.8448648	ppb		99
42)	2,4,6-Trichlorophenol	6.55	196	457000	19343.7511212	ppb		90
43)	2,4,5-Trichlorophenol	6.58	196	461342	19886.1169778	ppb		97
45)	Biphenyl	6.66	154	1747396	18408.4142457	ppb		100
46)	2-Chloronaphthalene	6.69	162	1350909	18084.4294838	ppb		98
47)	2-Nitroaniline	6.73	138	442492	19854.5298940	ppb		100
48)	Acenaphthylene	6.94	152	2050479	18043.6644788	ppb		99
49)	Dimethyl phthalate	6.82	163	1508495	18253.5919087	ppb		99
50)	2,6-Dinitrotoluene	6.86	165	357521	18906.8750266	ppb		93
51)	3-Nitroaniline	6.97	138	176383m	17240.5141620	ppb		
52)	Acenaphthene	7.03	153	1370395	18099.4460277	ppb		100
53)	2,4-Dinitrophenol	7.03	184	132905	24632.5452279	ppb	#	33
54)	Dibenzofuran	7.13	168	1833765	18410.9387990	ppb		100
55)	2,4-Dinitrotoluene	7.10	165	456105	19975.0854257	ppb		84
57)	4-Nitrophenol	7.04	139	241287	19712.5933926	ppb		96
58)	Fluorene	7.33	166	1464120	18307.1029249	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377
Sample : STD SVMS 20000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:13 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	750706	18515.6085109 ppb		97
60)	Diethyl phthalate	7.22	149	1536427	18900.9265363 ppb		99
61)	4-Nitroaniline	7.33	138	163262	16882.3502199 ppb		96
62)	Azobenzene	7.40	77	1405612	18756.1947353 ppb		100
63)	Atrazine	0.00	200	0	N.D. d		
65)	4,6-Dinitro-2-methylphenol	7.34	198	196325	22447.2604147 ppb	#	81
66)	N-Nitrosodiphenylamine	7.38	169	1214038	18661.8414858 ppb		100
68)	4-Bromophenyl-phenylether	7.60	248	426039	19255.2974566 ppb	#	81
69)	Hexachlorobenzene	7.66	284	460545	18643.0876364 ppb		99
70)	n-octadecane	7.73	55	236461	17133.7047590 ppb		98
71)	Pentachlorophenol	7.76	266	264554	21816.3098177 ppb		96
72)	Phenanthrene	7.90	178	2117267	18663.7013328 ppb		99
73)	Anthracene	7.93	178	2065010	18458.4710397 ppb		100
74)	Carbazole	8.01	167	1657704m	19106.9258578 ppb		
75)	Di-n-butyl phthalate	8.16	149	2638055	18285.1864095 ppb		99
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.63	202	2219193	18960.1421281 ppb		99
79)	Benzidine	0.00	184	0	N.D. d		
80)	Pyrene	8.80	202	2214681	18813.8583969 ppb		99
82)	Benzylbutyl phthalate	9.23	149	1134773	19541.2220074 ppb		99
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.90	228	1539652	19196.7014075 ppb		99
85)	Chrysene	9.95	228	1401114	18572.1899333 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	1632076	19372.9773104 ppb		99
87)	Di-n-octyl phthalate	10.66	149	2528475	20212.2967585 ppb		100
89)	Benzo(b)fluoranthene	11.44	252	1516638m	19685.6564222 ppb		
90)	Benzo(k)fluoranthene	11.49	252	1429789	19364.7302207 ppb		97
91)	Benzo(a)pyrene	12.03	252	1442809	19845.8284258 ppb		99
92)	Indeno(1,2,3-cd)pyrene	13.82	276	1844765	19610.7566959 ppb		98
94)	Benzo(g,h,i)perylene	14.33	276	1610797	19556.6163798 ppb		97

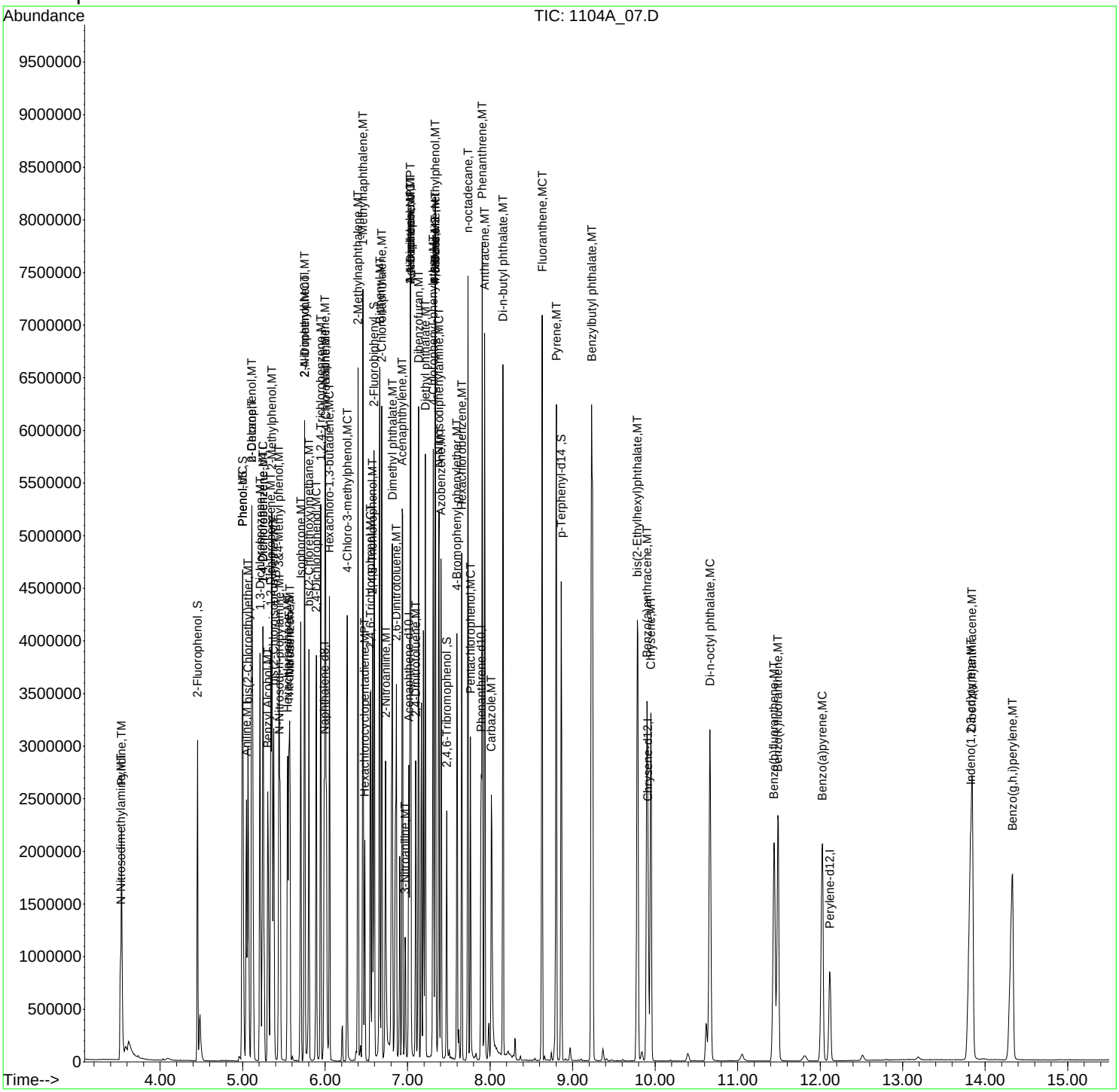
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:13 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:11:04 2011
Response via : Initial Calibration

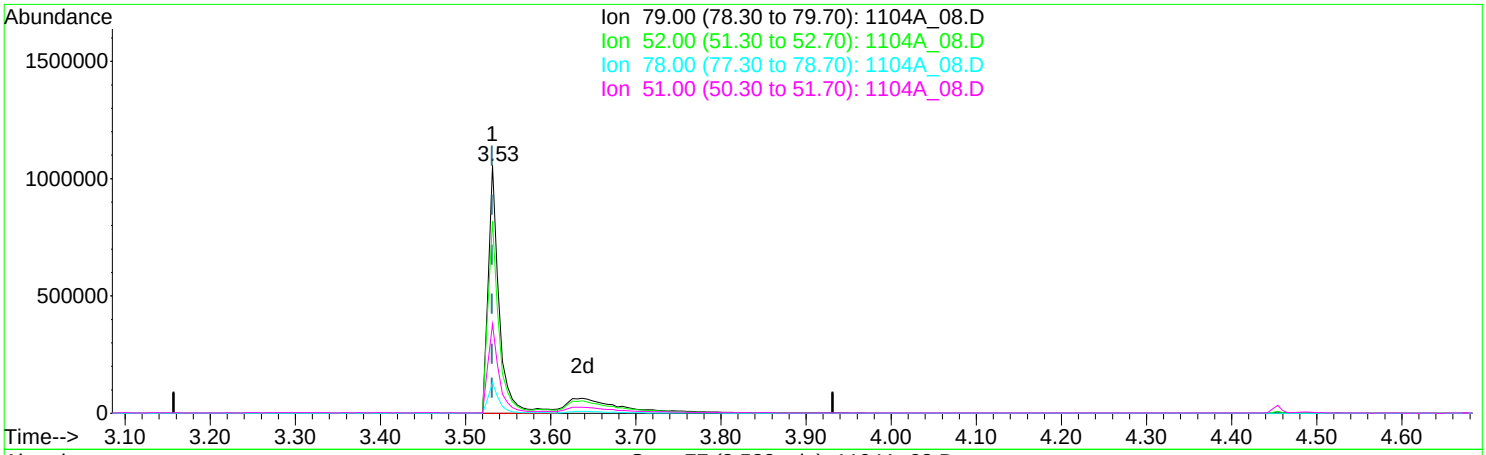


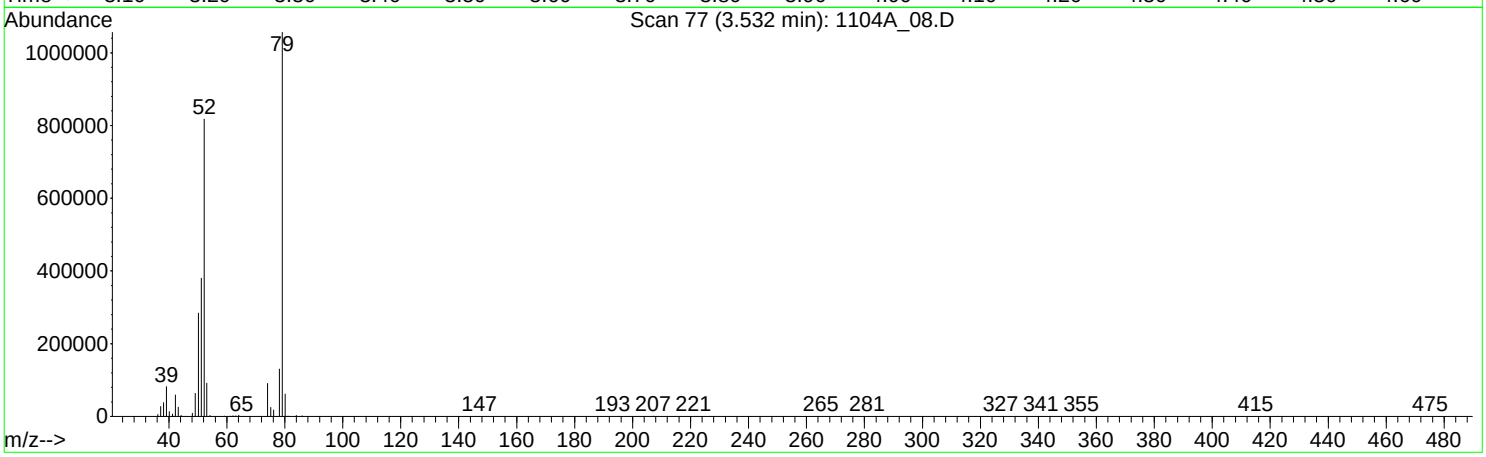
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(2) Pyridine (TM)
3.53min (-0.000) 22132.8932426 ppb
Qvalue = 99
response 948748

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	77.45
78.00	12.10	12.42
51.00	36.90	35.85

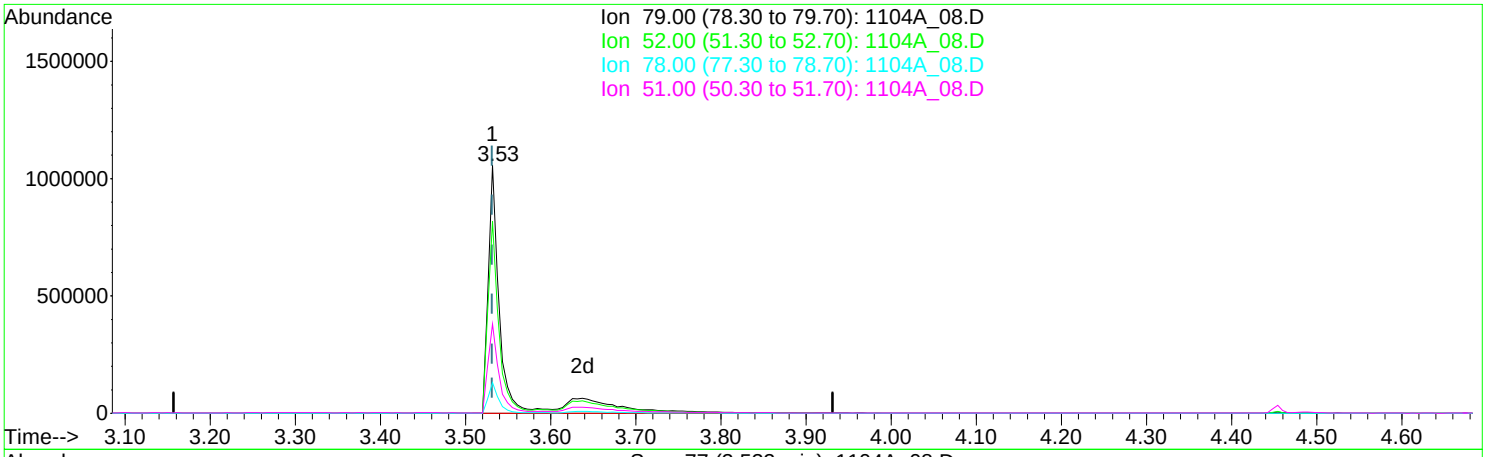
1104A_08.D S810K04K.M Sat Nov 05 13:13:50 2011

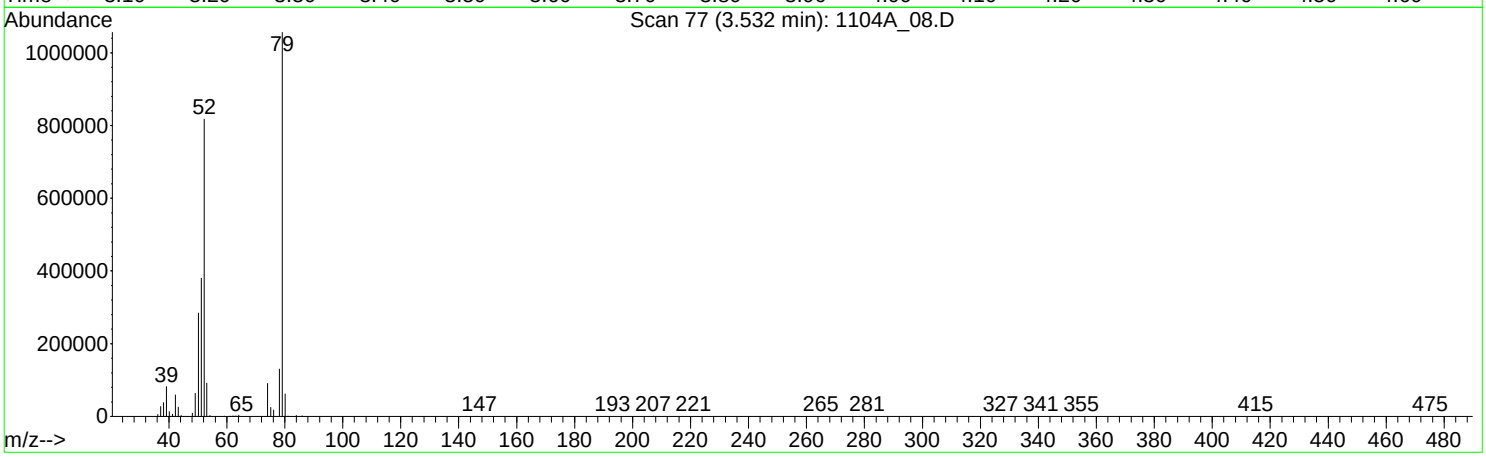
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(2) Pyridine (TM)
3.53min (-0.000) 29143.0922485 ppb m

response 1249247

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	77.45
78.00	12.10	12.42
51.00	36.90	36.05

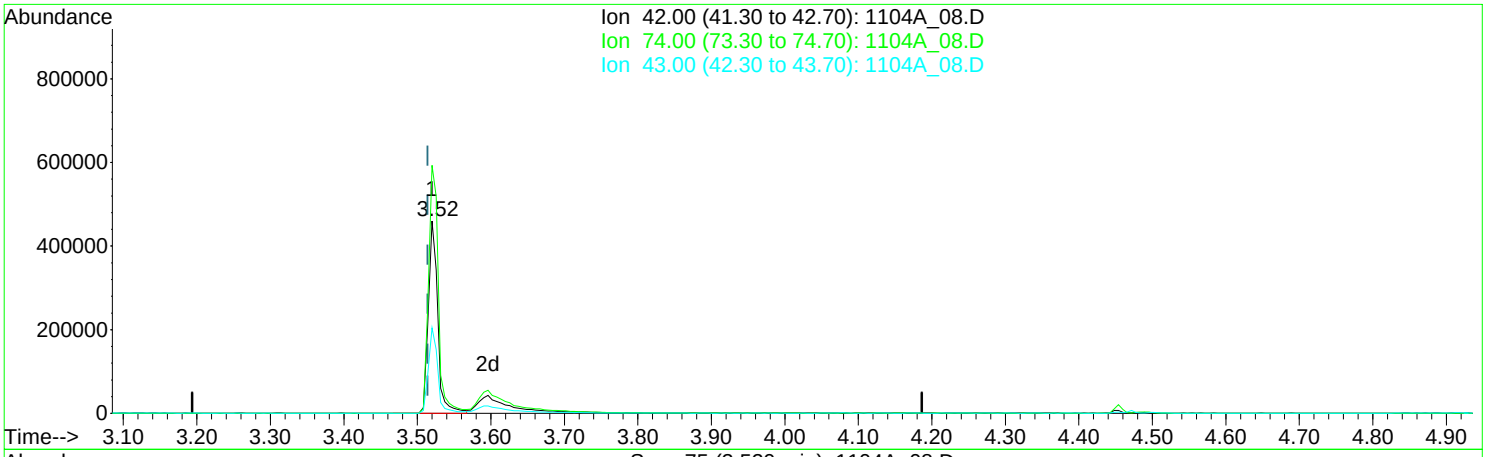
1104A_08.D S810K04K.M Sat Nov 05 13:13:55 2011

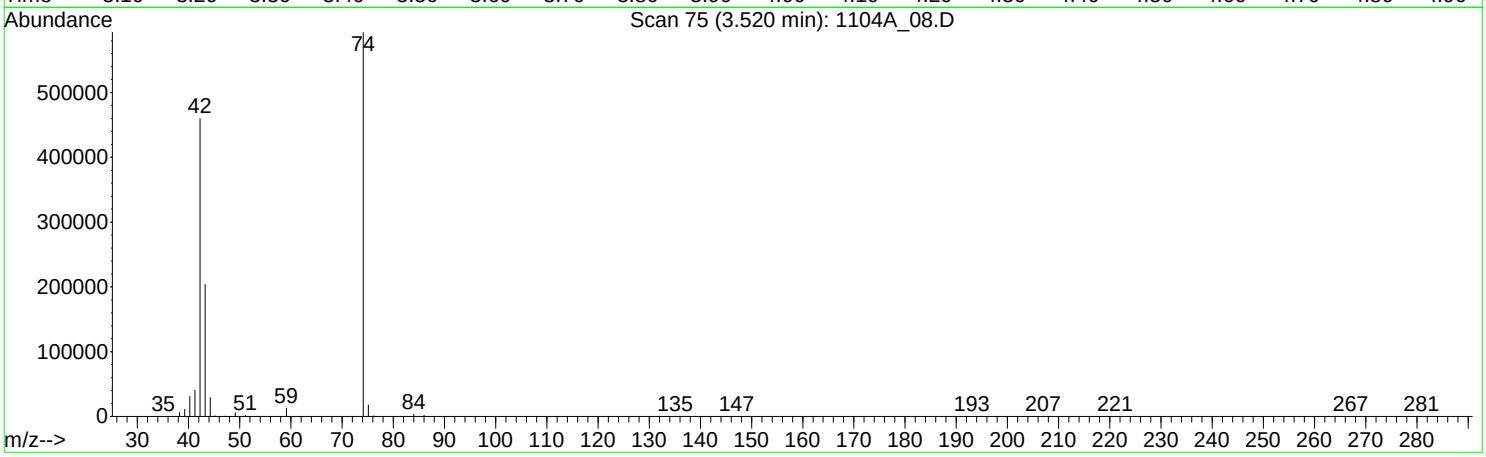
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 21160.4063646 ppb
Qvalue = 58
response 407586

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	135.73#
43.00	30.30	44.43
0.00	0.00	0.00

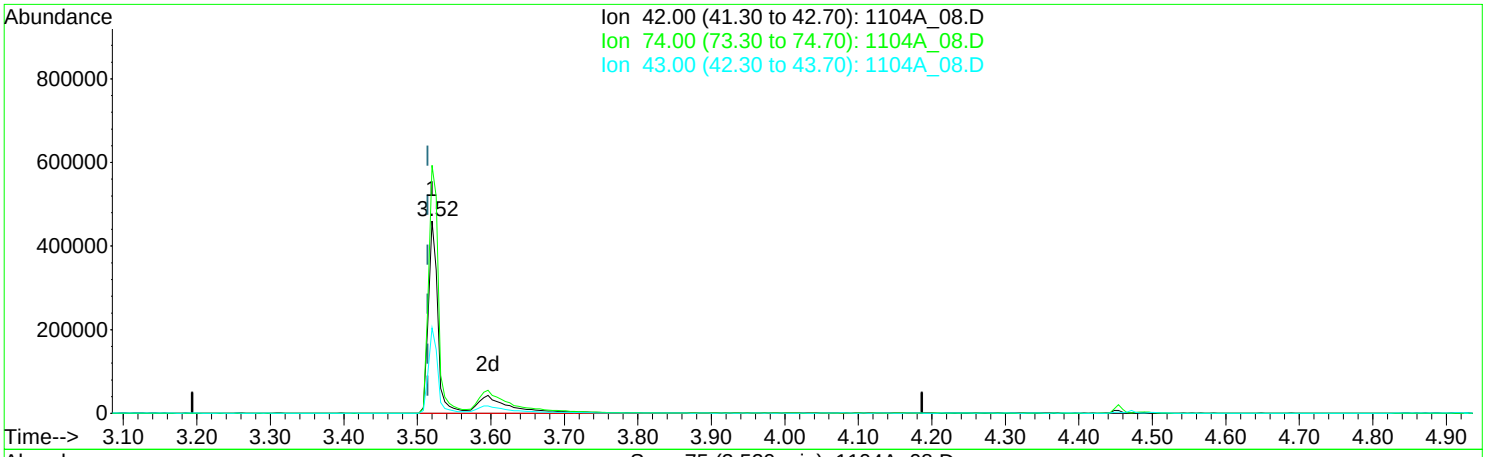
1104A_08.D S810K04K.M Sat Nov 05 13:13:58 2011

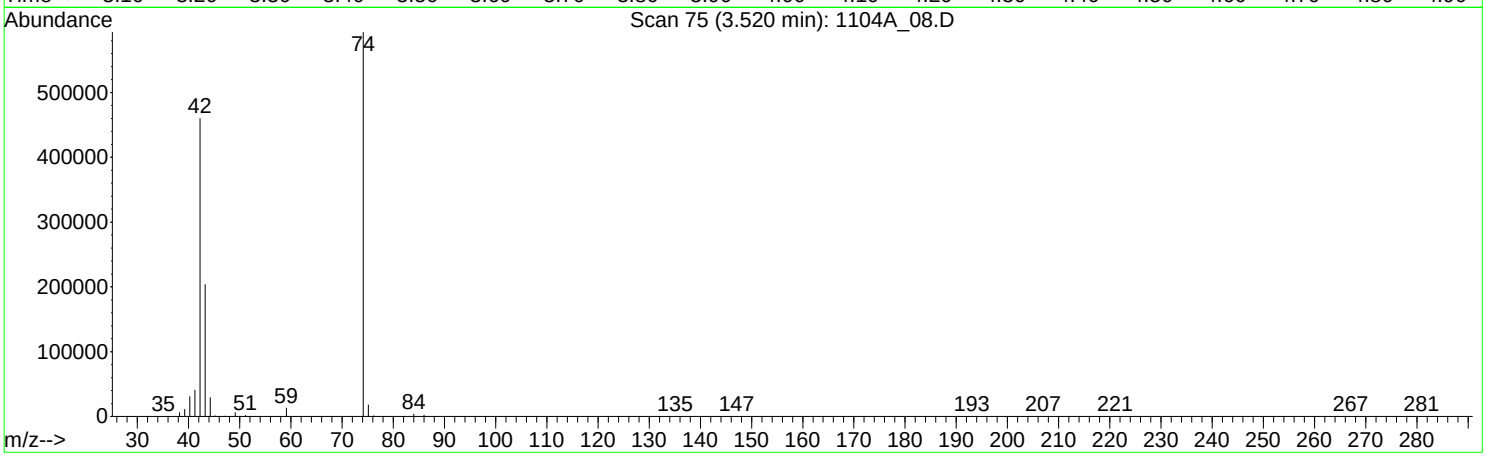
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:14 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 29307.0792296 ppb m

response 564505

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	98.00
43.00	30.30	32.08
0.00	0.00	0.00

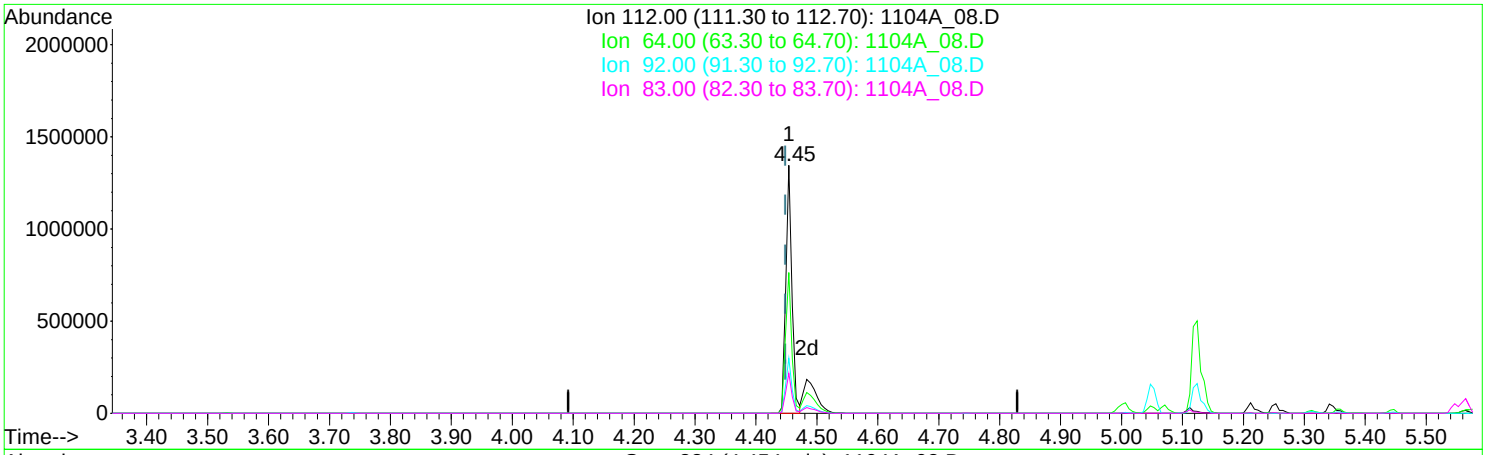
1104A_08.D S810K04K.M Sat Nov 05 13:14:02 2011

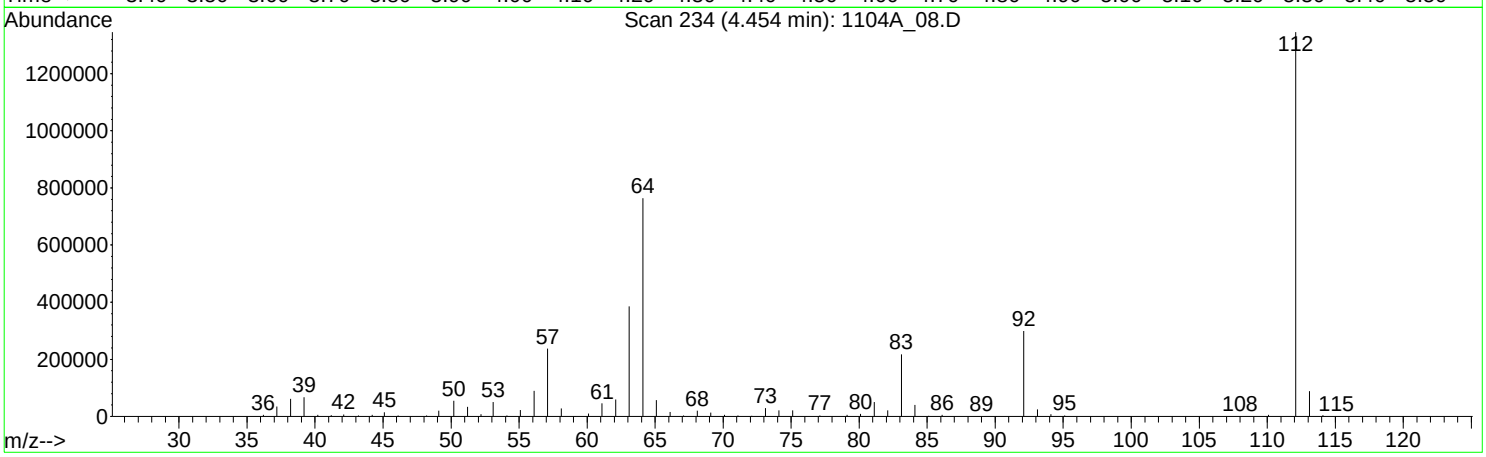
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:14 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 23107.7801706 ppb
Qvalue = 95
response 943830

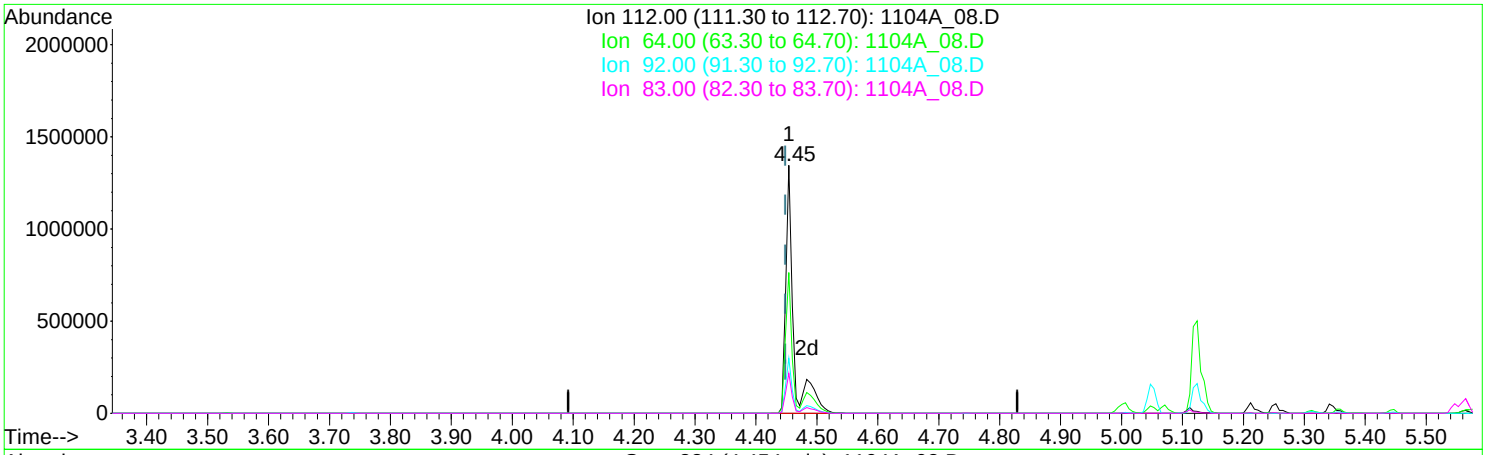
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	56.81
92.00	22.80	22.23
83.00	17.30	16.18

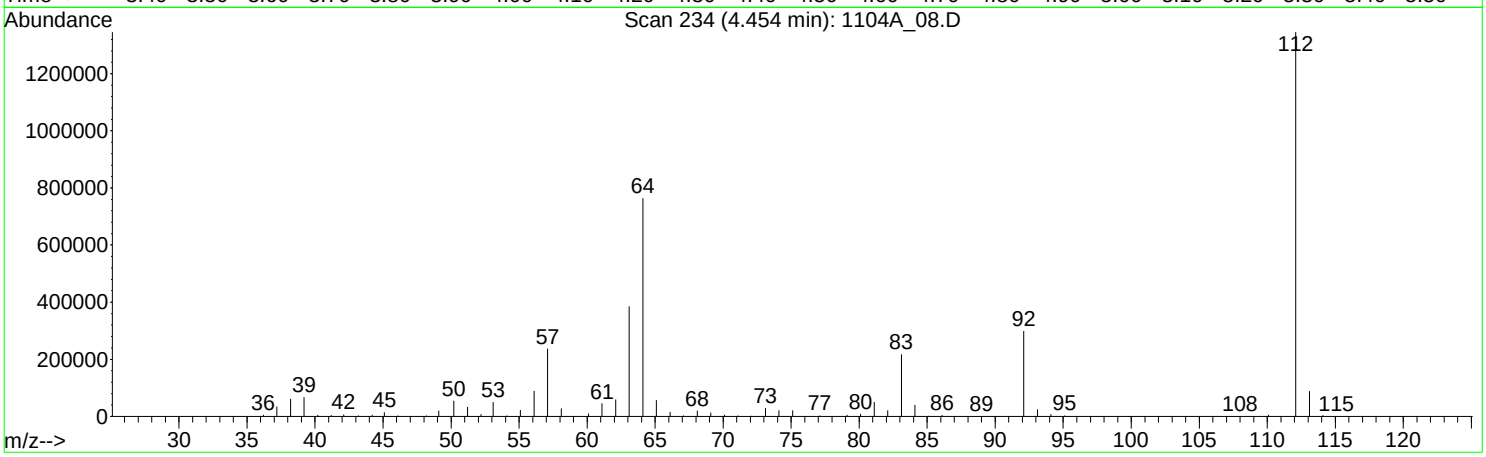
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:14 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 29743.4048696 ppb m

response 1214860

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	56.81
92.00	22.80	22.23
83.00	17.30	16.19

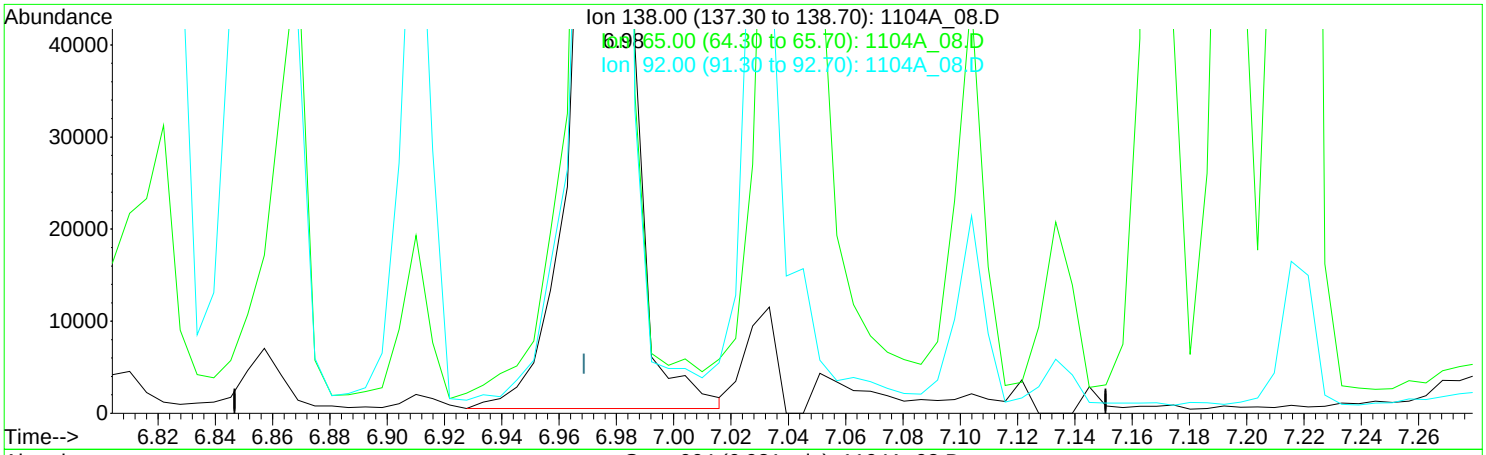
1104A_08.D S810K04K.M Sat Nov 05 13:14:10 2011

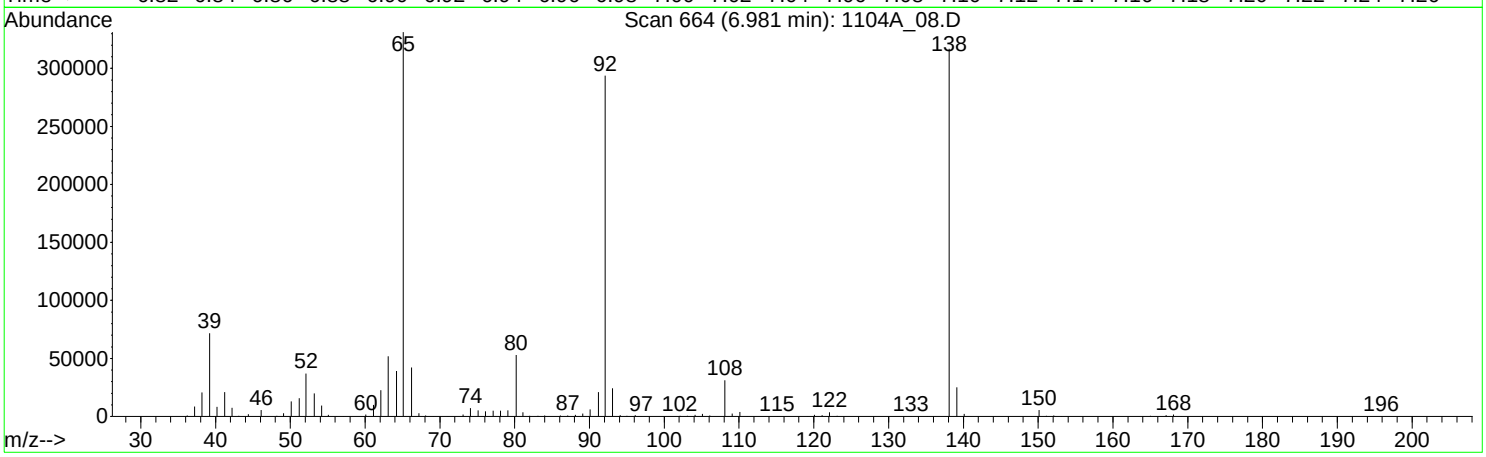
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:14 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(51) 3-Nitroaniline (MT)
6.98min (+0.012) 25554.8638380 ppb
Qvalue = 92
response 263913

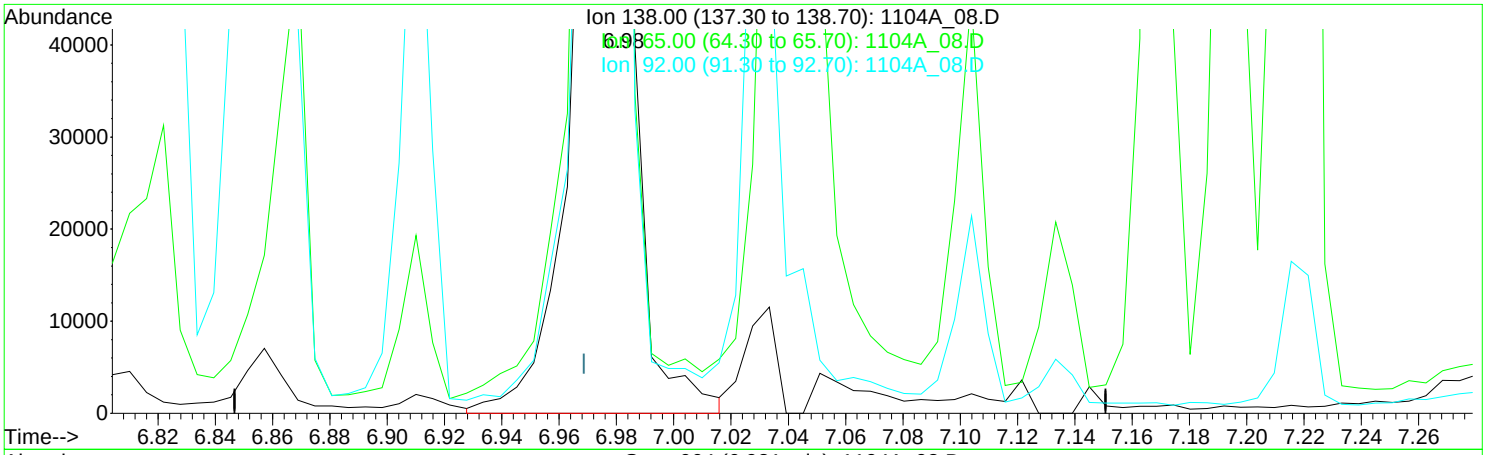
Ion	Exp%	Act%
138.00	100	100
65.00	114.70	104.48
92.00	98.30	92.65
0.00	0.00	0.00

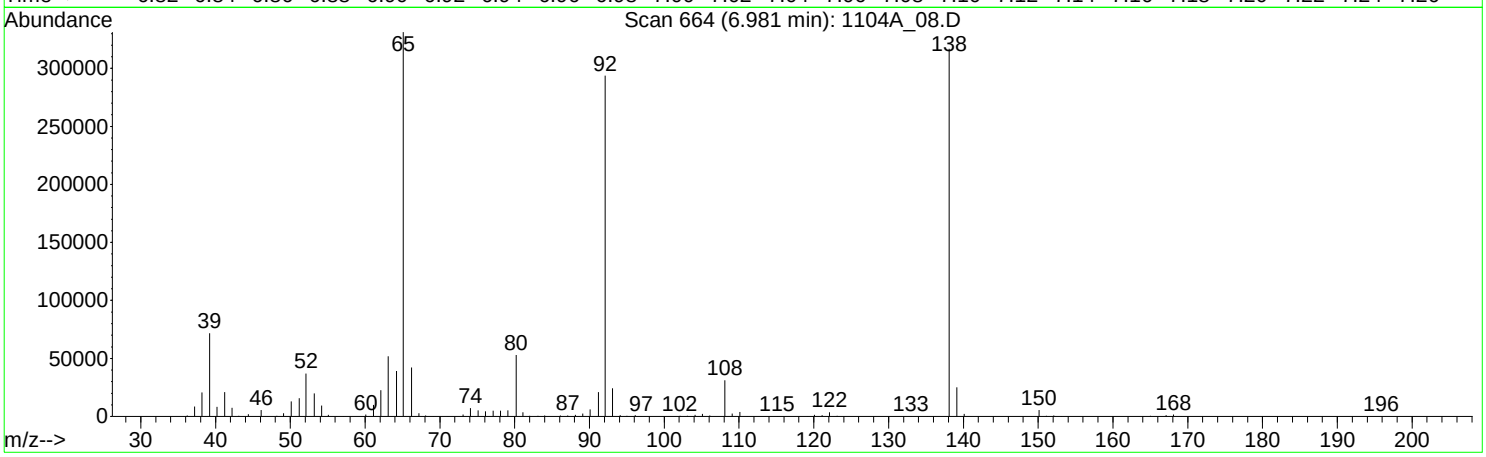
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:15 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(51) 3-Nitroaniline (MT)
6.98min (+0.012) 25820.6639359 ppb m

response 266658

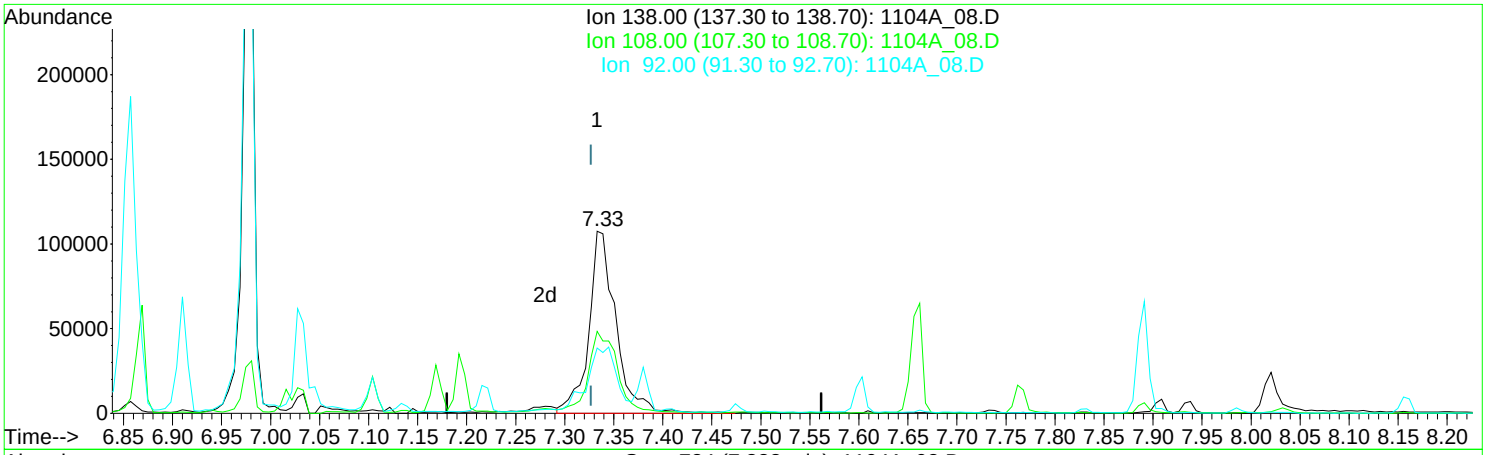
Ion	Exp%	Act%
138.00	100	100
65.00	114.70	104.48
92.00	98.30	92.65
0.00	0.00	0.00

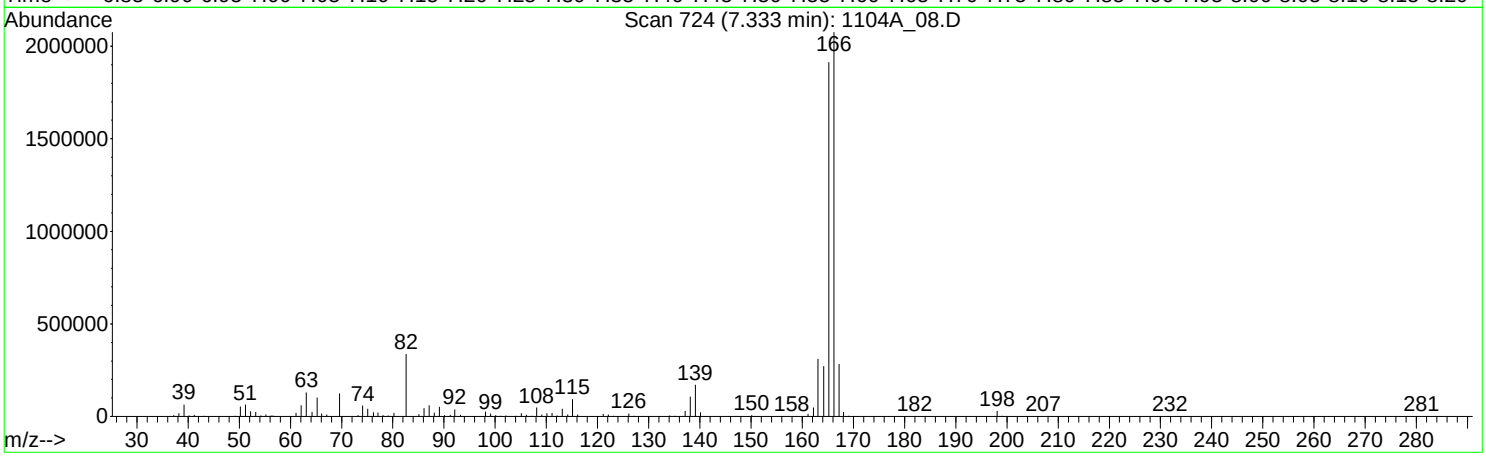
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:15 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(61) 4-Nitroaniline (MT)
7.33min (+0.006) 21228.5200893 ppb
Qvalue = 95
response 207230

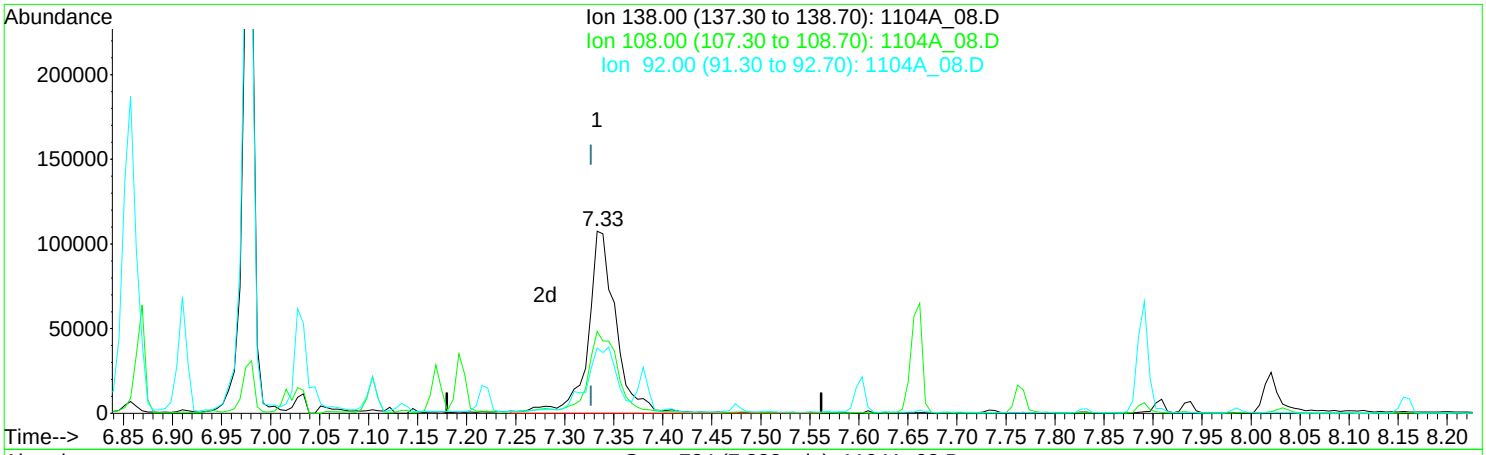
Ion	Exp%	Act%
138.00	100	100
108.00	52.70	47.30
92.00	38.30	39.10
0.00	0.00	0.00

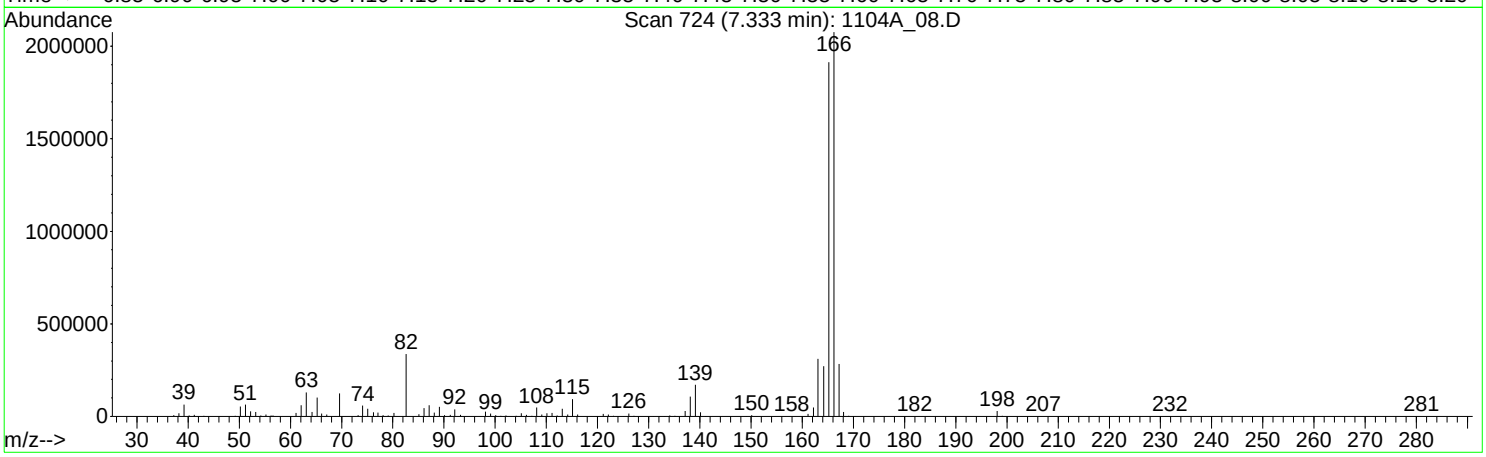
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:15 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(61) 4-Nitroaniline (MT)
7.33min (+0.006) 22289.0753587 ppb m

response 217583

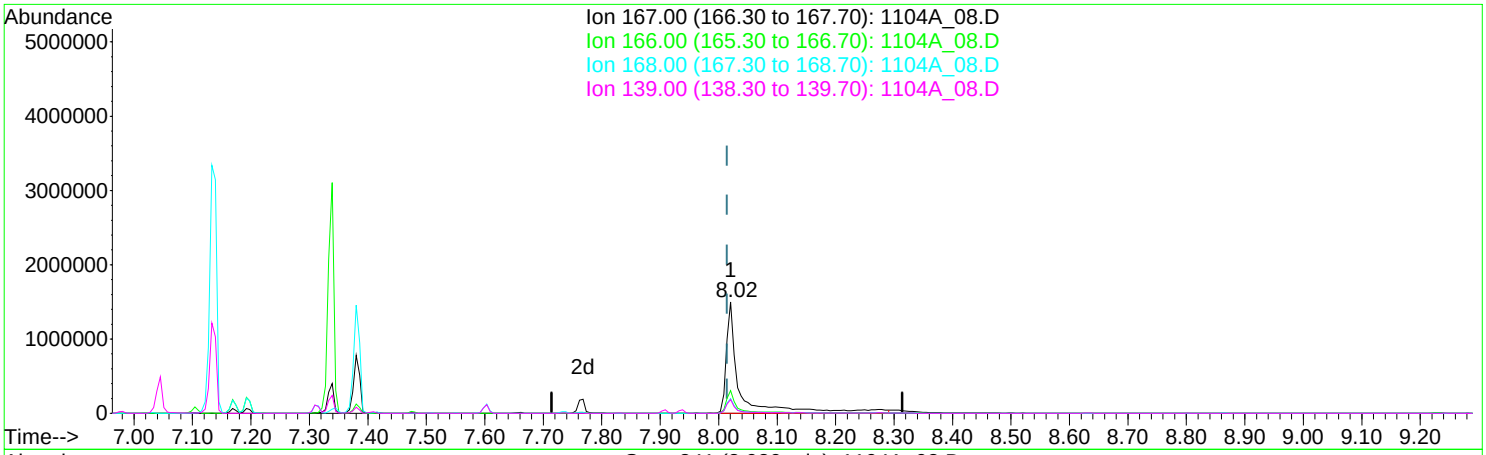
Ion	Exp%	Act%
138.00	100	100
108.00	52.70	45.05
92.00	38.30	37.24
0.00	0.00	0.00

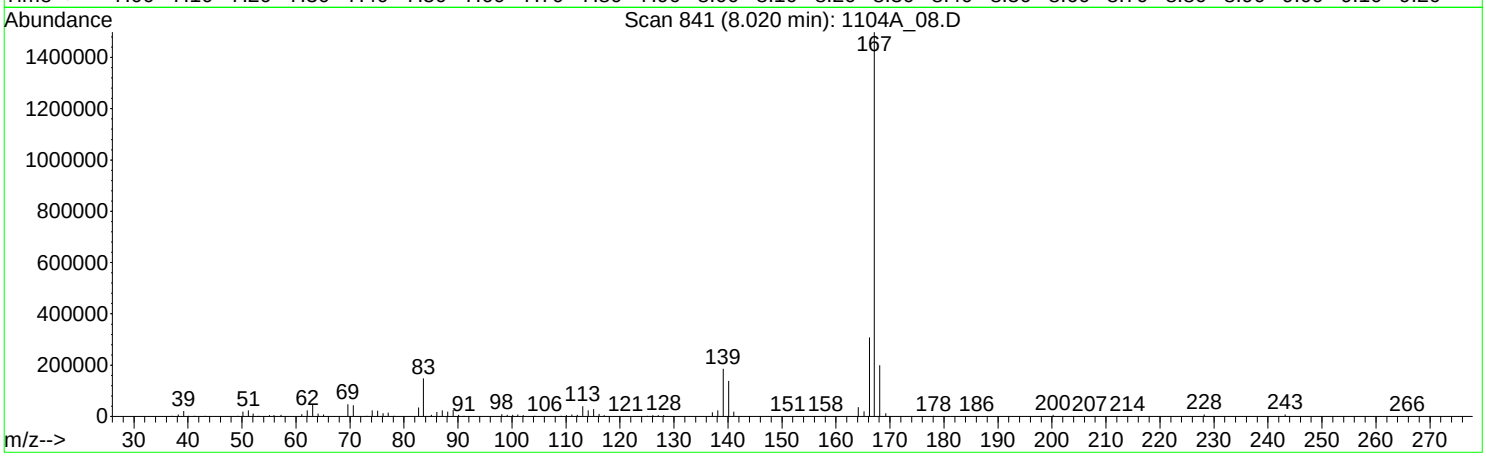
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:15 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(74) Carbazole (MT)
8.02min (+0.006) 26663.0940828 ppb
Qvalue = 100
response 2375664

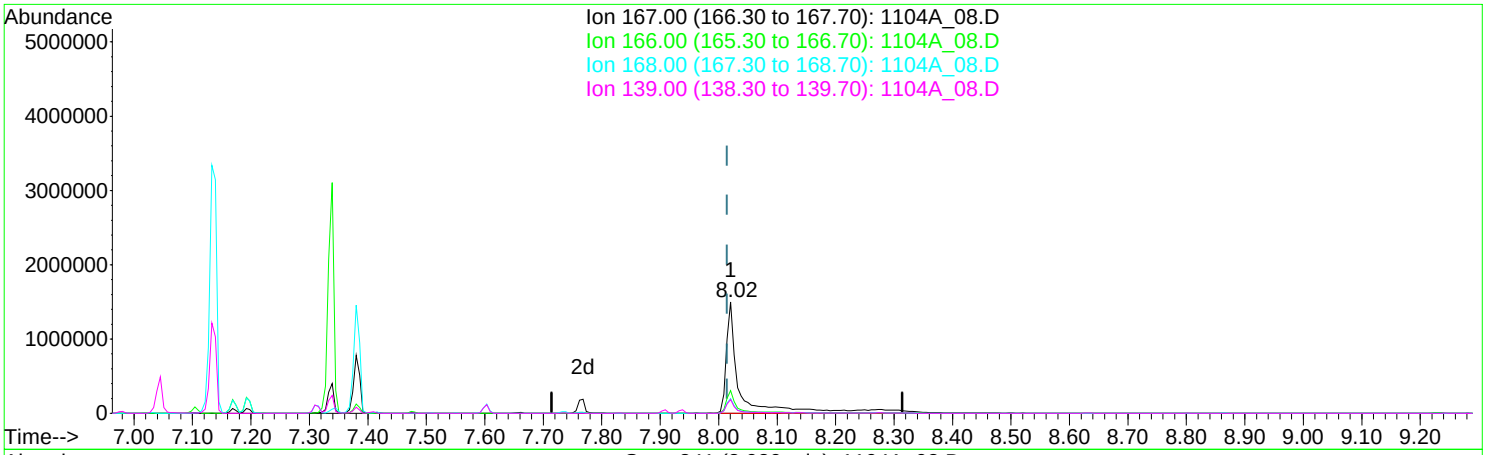
Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.23
168.00	13.30	13.40
139.00	11.80	11.82

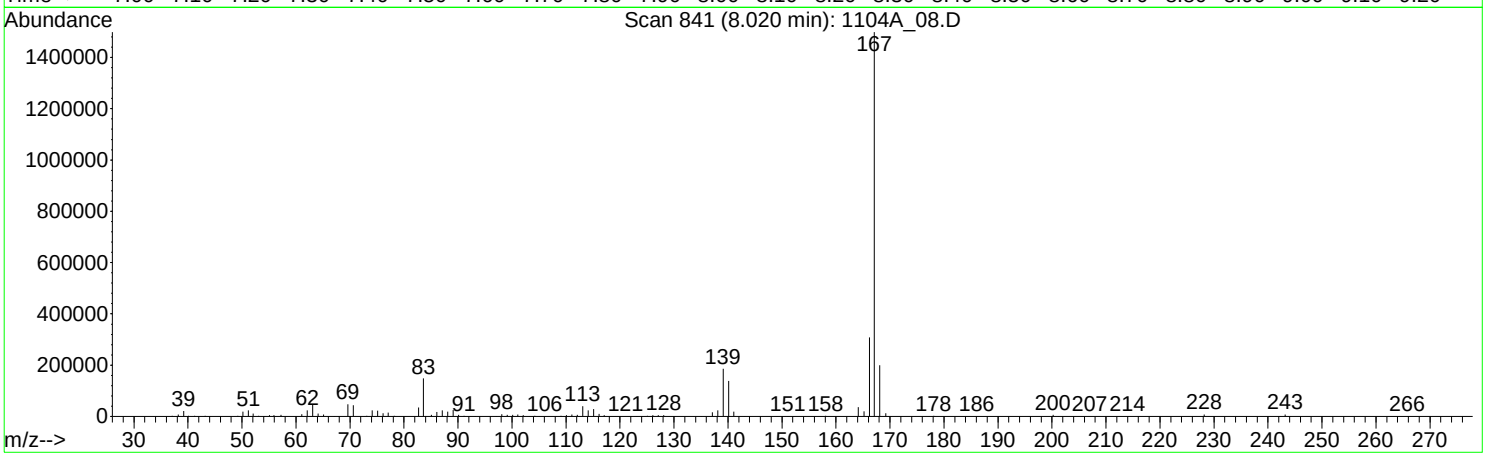
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:15 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(74) Carbazole (MT)
8.02min (+0.006) 27632.7870468 ppb m

response 2462063

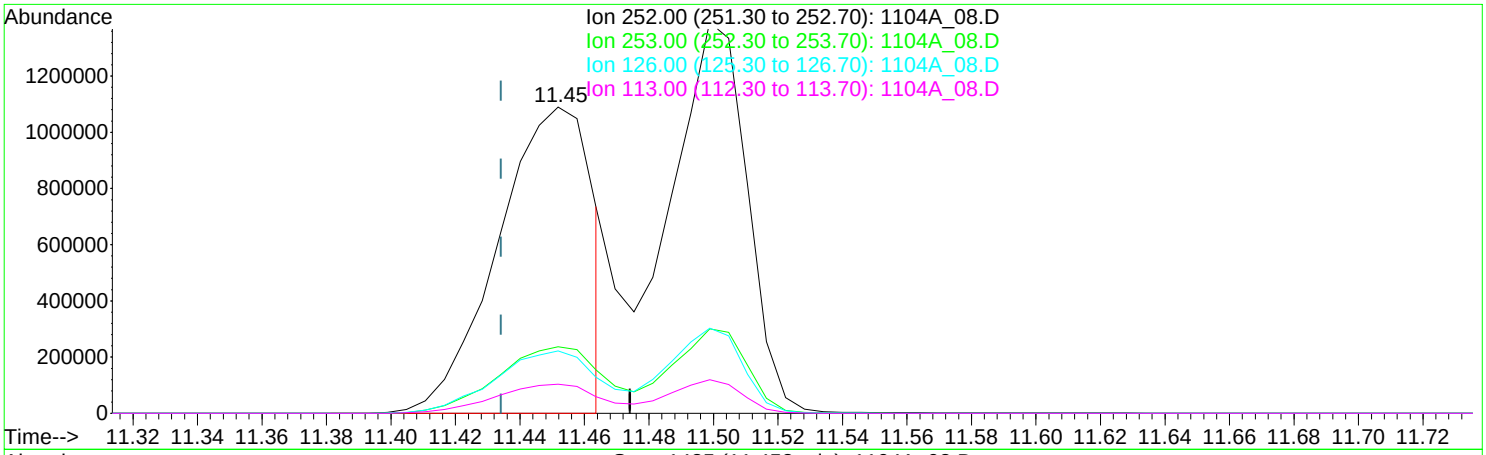
Ion	Exp%	Act%
167.00	100	100
166.00	20.00	19.52
168.00	13.30	12.93
139.00	11.80	11.41

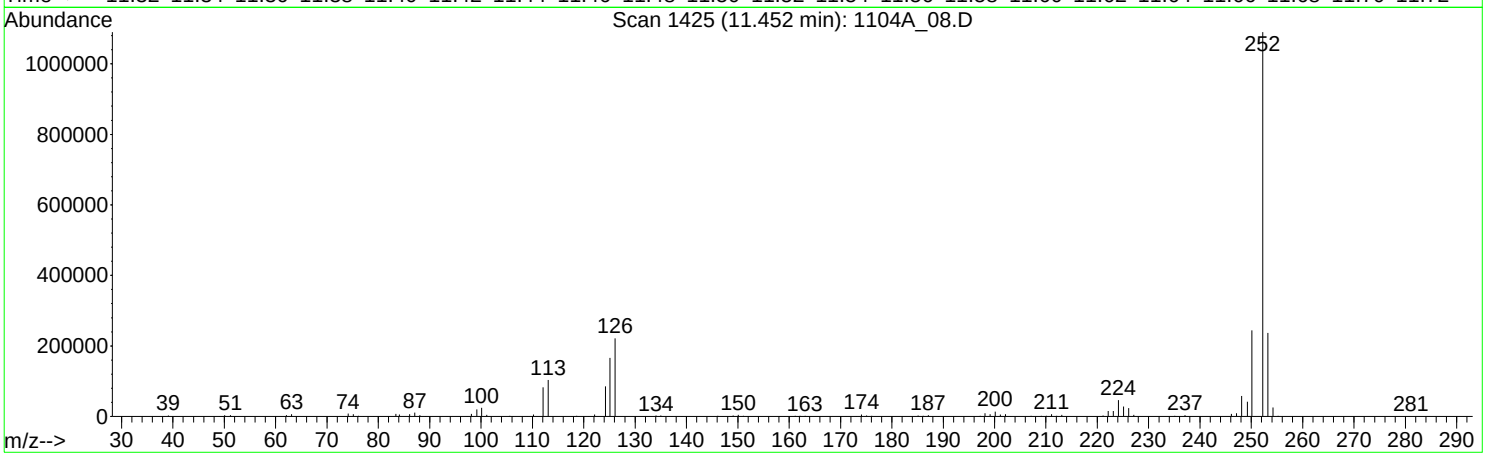
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:15 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(89) Benzo(b)fluoranthene (MT)

11.45min (+0.018) 26521.4864320 ppb

Qvalue = 95
response 2215125

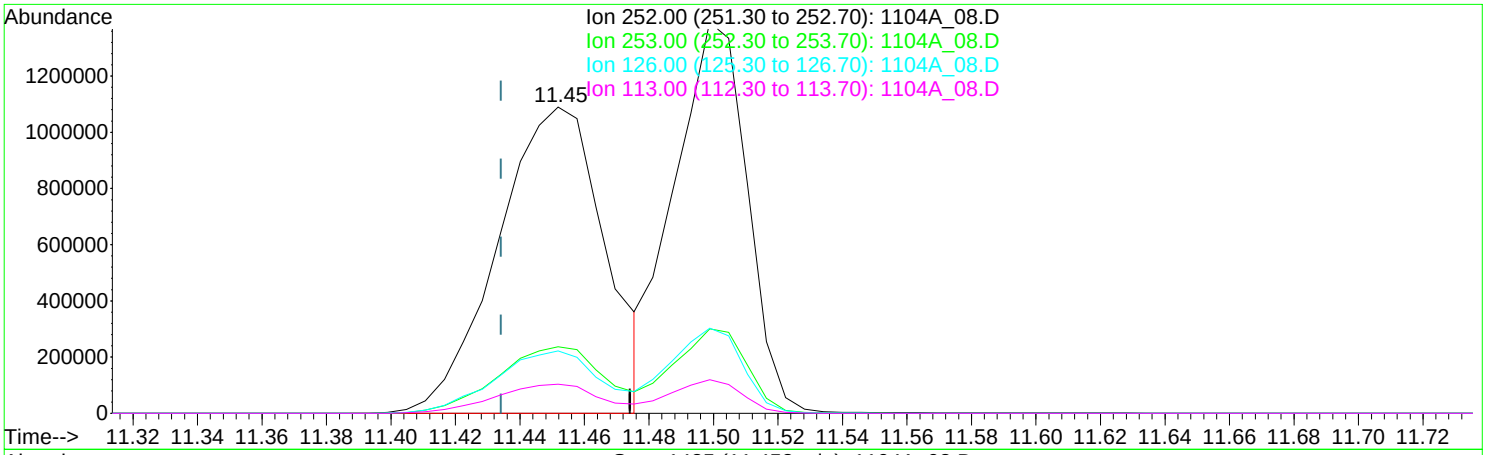
Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.15
126.00	17.10	21.77
113.00	8.80	10.22

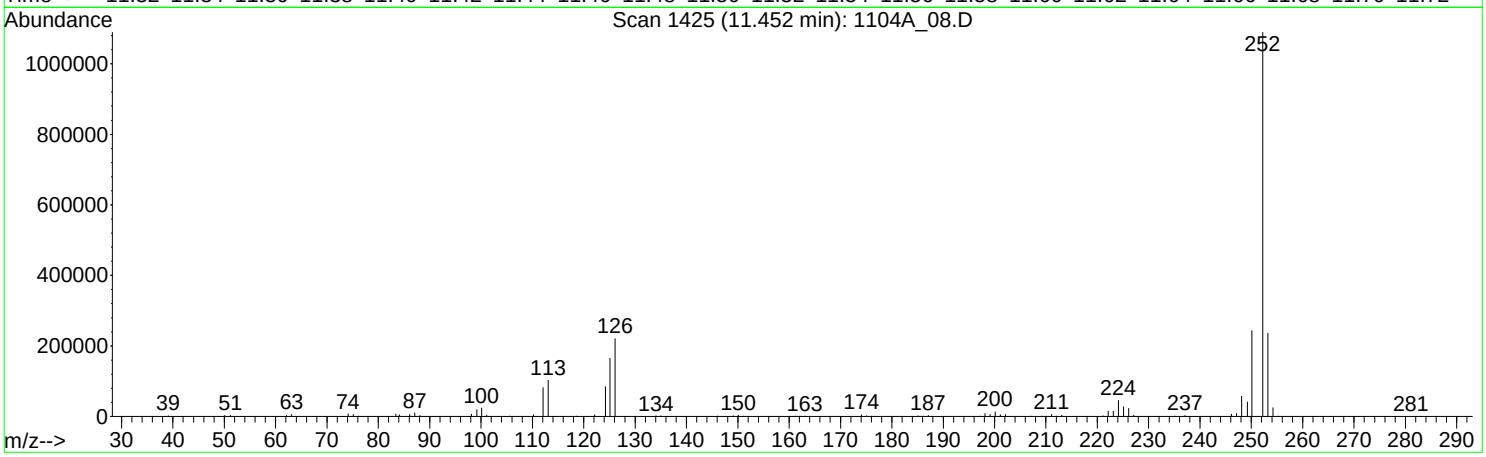
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(89) Benzo(b)fluoranthene (MT)
11.45min (+0.018) 29911.2439929 ppb m

response 2498244

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.76
126.00	17.10	20.33
113.00	8.80	9.51

1104A_08.D S810K04K.M Sat Nov 05 13:16:06 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377
Sample : STD SVMS 30000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	225701	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	881717	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	477537	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	789858	8000.00 ppb	0.00
78) Chrysene-d12	9.92	240	557176	8000.00 ppb	0.01
88) Perylene-d12	12.12	264	581885	8000.00 ppb	0.01

System Monitoring Compounds					
4) 2-Fluorophenol	4.45	112	1214860m	29743.4048696 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 148717.02%#		
7) Phenol-d5	5.00	99	1228591	28935.3184495 ppb	0.01
Spiked Amount 20.000	Range 10 - 63		Recovery = 144676.59%#		
23) Nitrobenzene-d5	5.56	82	1145295	27723.7426815 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 277237.43%#		
44) 2-Fluorobiphenyl	6.60	172	2125009	24657.4611088 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 246574.61%#		
67) 2,4,6-Tribromophenol	7.48	330	281251	31774.5995614 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 158873.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 270814.76%#		

Target Compounds					Qvalue
2) Pyridine	3.53	79	1249247m	29143.0922485 ppb	
3) N-Nitrosodimethylamine	3.52	42	564505m	29307.0792296 ppb	
5) Aniline	5.05	93	1250411	28765.7798799 ppb	99
6) bis(2-Chloroethyl)ether	5.07	93	1430167	29066.6999732 ppb	99
8) Phenol	5.01	94	1449592	28497.4030879 ppb	97
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.12	128	1197112	28072.3367825 ppb	97
11) n-Decane	5.11	41	535435	25597.5905257 ppb	99
12) 1,3-Dichlorobenzene	5.21	146	1312993	27668.8209753 ppb	95
13) 1,4-Dichlorobenzene	5.25	146	1336151	27869.6089216 ppb	98
14) Benzyl Alcohol	5.31	79	848119	29429.0360308 ppb	99
15) 1,2-Dichlorobenzene	5.34	146	1245240	28292.9992269 ppb	98
16) bis(2-Chloroisopropyl)ethe	5.38	121	395647	27939.4177123 ppb	99
17) 2-Methylphenol	5.36	108	1039570	27705.3640948 ppb	98
18) Hexachloroethane	5.55	117	495868	28944.4377664 ppb	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377
Sample : STD SVMS 30000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.46	70	759161	28068.5337995	ppb		95
20)	3&4-Methyl phenol	5.45	107	1177321	28761.9760443	ppb		98
21)	Acetophenone	0.00	105	0	N.D.	d		
24)	Nitrobenzene	5.58	77	1064458	27511.2091688	ppb		98
25)	Isophorone	5.71	82	2116459	27994.6266807	ppb		99
26)	2-Nitrophenol	5.76	139	585453	26097.0953197	ppb		93
27)	2,4-Dimethylphenol	5.75	107	917686	24330.4456021	ppb		99
28)	bis(2-Chlorethoxy)methane	5.81	93	1303228	27564.8542625	ppb		97
29)	2,4-Dichlorophenol	5.89	162	941398	28250.8255704	ppb		99
30)	Benzoic Acid	0.00	105	0	N.D.	d		
31)	1,2,4-Trichlorobenzene	5.95	180	1125594	26725.8699767	ppb		97
32)	Naphthalene	6.01	128	3257164	25708.1433280	ppb		99
33)	4-Chloroaniline	6.02	65	303702	26924.4946084	ppb		98
34)	Hexachloro-1,3-butadiene	6.05	225	545396	26438.8210238	ppb		97
35)	Caprolactam	0.00	113	0	N.D.	d		
36)	4-Chloro-3-methylphenol	6.27	107	943829	27797.5539531	ppb		90
37)	2-Methylnaphthalene	6.40	142	2093507	26354.5636903	ppb		99
38)	1-Methylnaphthalene	6.46	142	2076696	25318.0620117	ppb		100
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41)	Hexachlorocyclopentadiene	6.48	237	403858	25520.6975276	ppb		98
42)	2,4,6-Trichlorophenol	6.55	196	650254	27266.3388389	ppb		96
43)	2,4,5-Trichlorophenol	6.58	196	672007	28695.9159641	ppb		89
45)	Biphenyl	6.66	154	2487747	25962.7416546	ppb		99
46)	2-Chloronaphthalene	6.69	162	1971007	26138.8323497	ppb		99
47)	2-Nitroaniline	6.74	138	669716	29768.9940339	ppb		100
48)	Acenaphthylene	6.94	152	2981596	25991.8692274	ppb		100
49)	Dimethyl phthalate	6.82	163	2284696	27387.4868711	ppb		98
50)	2,6-Dinitrotoluene	6.87	165	538156	28193.2850934	ppb		92
51)	3-Nitroaniline	6.98	138	266658m	25820.6639359	ppb		
52)	Acenaphthene	7.04	153	1908022	24964.4610279	ppb		99
53)	2,4-Dinitrophenol	7.03	184	203852	37428.4846988	ppb	#	1
54)	Dibenzofuran	7.13	168	2726302	27115.9931999	ppb		99
55)	2,4-Dinitrotoluene	7.10	165	689664	29921.3144317	ppb		87
57)	4-Nitrophenol	7.05	139	354066	28655.8545396	ppb		95
58)	Fluorene	7.34	166	2101403	26029.8459057	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.32	204	1095479	26766.4921196 ppb		91
60)	Diethyl phthalate	7.22	149	2164415	26377.3400270 ppb		98
61)	4-Nitroaniline	7.33	138	217583m	22289.0753587 ppb		
62)	Azobenzene	7.41	77	2097269	27723.7972229 ppb		99
63)	Atrazine	0.00	200	0	N.D. d		
65)	4,6-Dinitro-2-methylphenol	7.34	198	295262	32872.8222597 ppb	#	75
66)	N-Nitrosodiphenylamine	7.38	169	1758505	26321.3111244 ppb		100
68)	4-Bromophenyl-phenylether	7.60	248	614485	27042.9370285 ppb		94
69)	Hexachlorobenzene	7.66	284	653154	25745.6022748 ppb		100
70)	n-octadecane	7.73	55	344776	24325.9875147 ppb		97
71)	Pentachlorophenol	7.77	266	410153	32934.7634235 ppb		98
72)	Phenanthrene	7.91	178	3078564	26424.8195039 ppb		99
73)	Anthracene	7.94	178	3030449	26376.8081508 ppb		100
74)	Carbazole	8.02	167	2462063m	27632.7870468 ppb		
75)	Di-n-butyl phthalate	8.16	149	3790877	25585.6783190 ppb		99
76)	2-nitrodiphenylamine	0.00	167	0	N.D. d		
77)	Fluoranthene	8.63	202	3330662	27708.8672772 ppb		100
79)	Benzidine	0.00	184	0	N.D. d		
80)	Pyrene	8.80	202	3251881	26094.6938904 ppb		100
82)	Benzylbutyl phthalate	9.23	149	1697103	27605.8927828 ppb		98
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.91	228	2357742	27768.4213226 ppb		98
85)	Chrysene	9.95	228	2167113	27134.5155438 ppb		98
86)	bis(2-Ethylhexyl)phthalate	9.79	149	2475675	27758.7875697 ppb		99
87)	Di-n-octyl phthalate	10.67	149	3905211	29488.4792994 ppb		100
89)	Benzo(b)fluoranthene	11.45	252	2498244m	29911.2439929 ppb		
90)	Benzo(k)fluoranthene	11.50	252	2192245	27387.9951542 ppb		99
91)	Benzo(a)pyrene	12.04	252	2320157	29438.0757168 ppb		100
92)	Indeno(1,2,3-cd)pyrene	13.84	276	2836975	27818.9327489 ppb		93
93)	Dibenz(a,h)anthracene	13.86	278	2426105	27610.6607330 ppb		95
94)	Benzo(g,h,i)perylene	14.35	276	2445810	27390.9613856 ppb		100

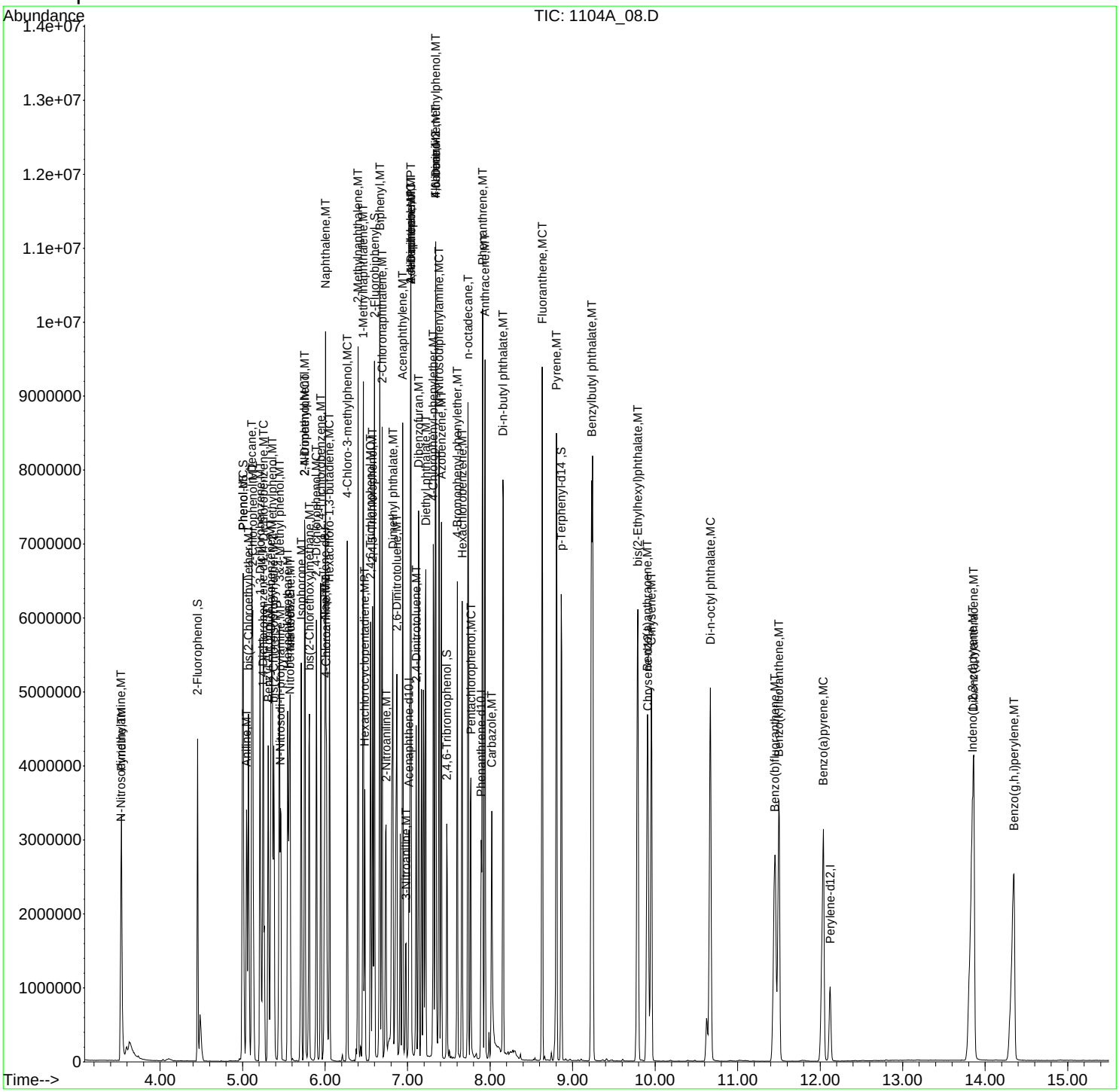
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:13:38 2011
Response via : Initial Calibration

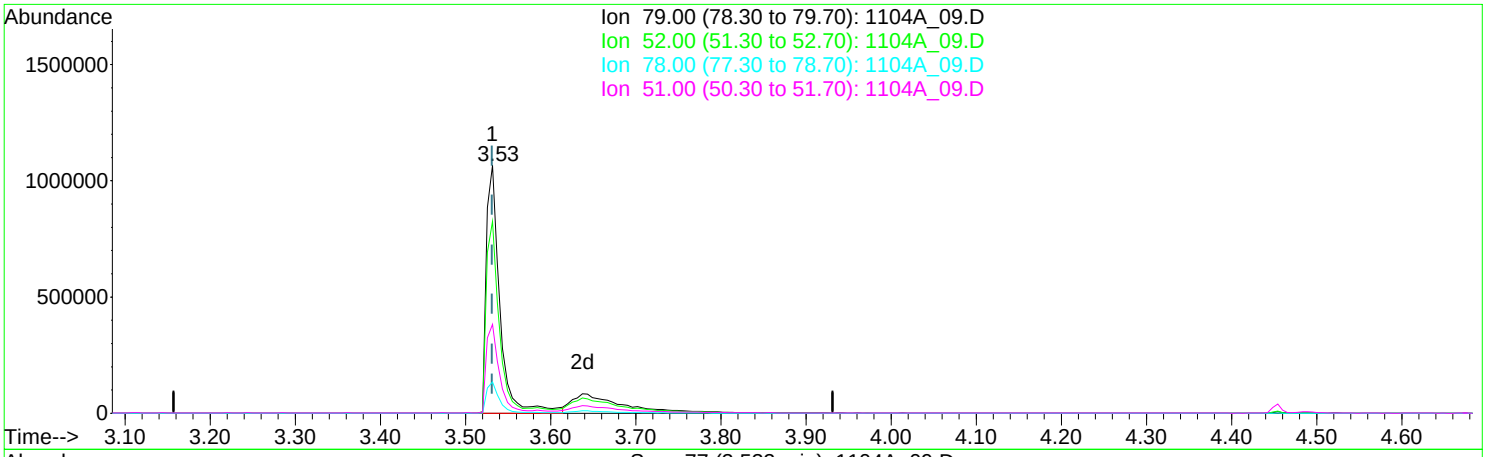


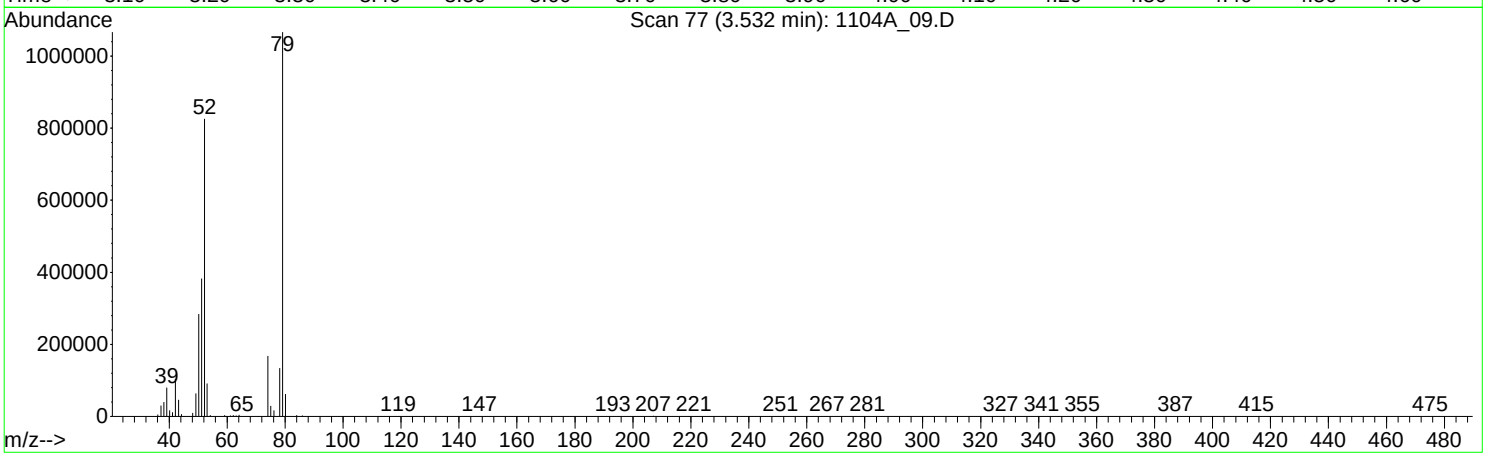
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(2) Pyridine (TM)
3.53min (+0.000) 28724.2285528 ppb
Qvalue = 99
response 1182657

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	77.42
78.00	12.10	12.59
51.00	36.90	35.74

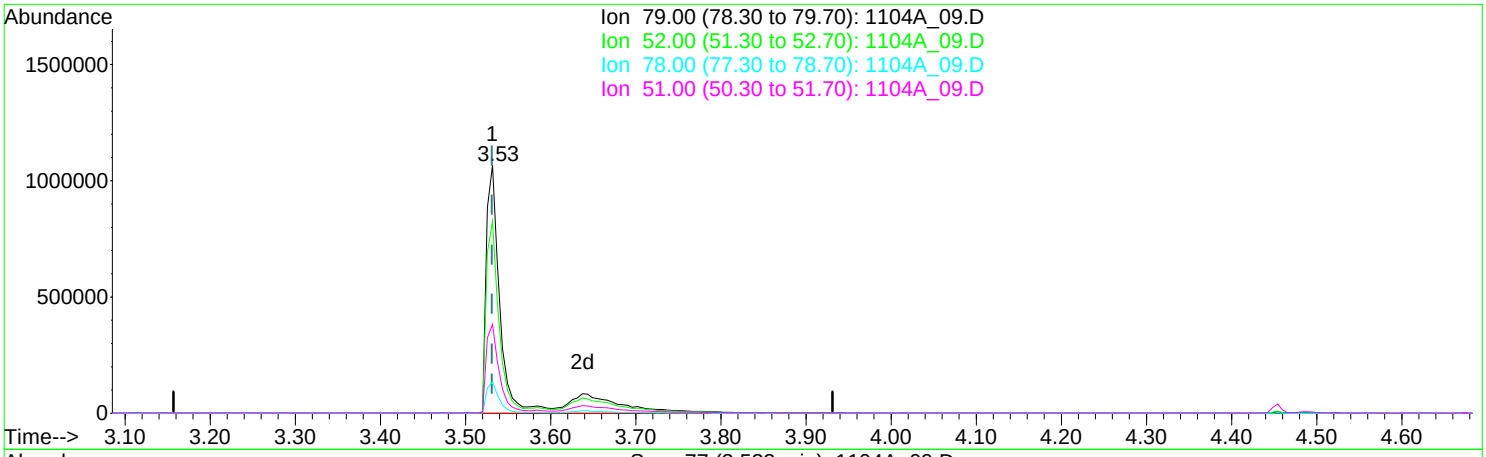
1104A_09.D S810K04K.M Sat Nov 05 13:16:33 2011

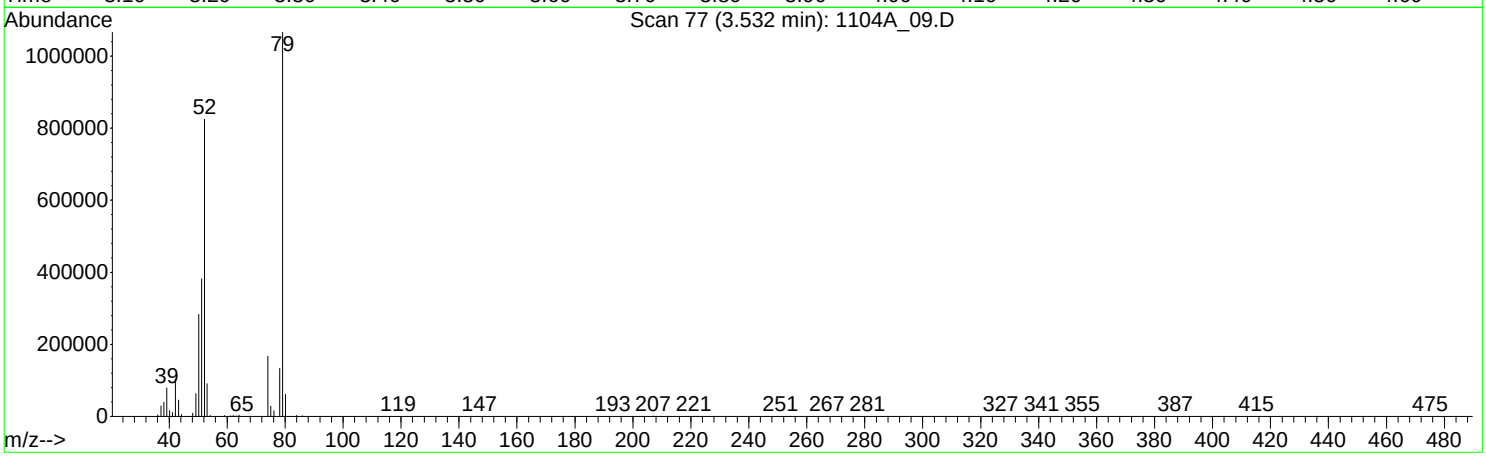
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(2) Pyridine (TM)
3.53min (+0.000) 37580.8031486 ppb m

response 1547307

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	77.42
78.00	12.10	12.59
51.00	36.90	35.92

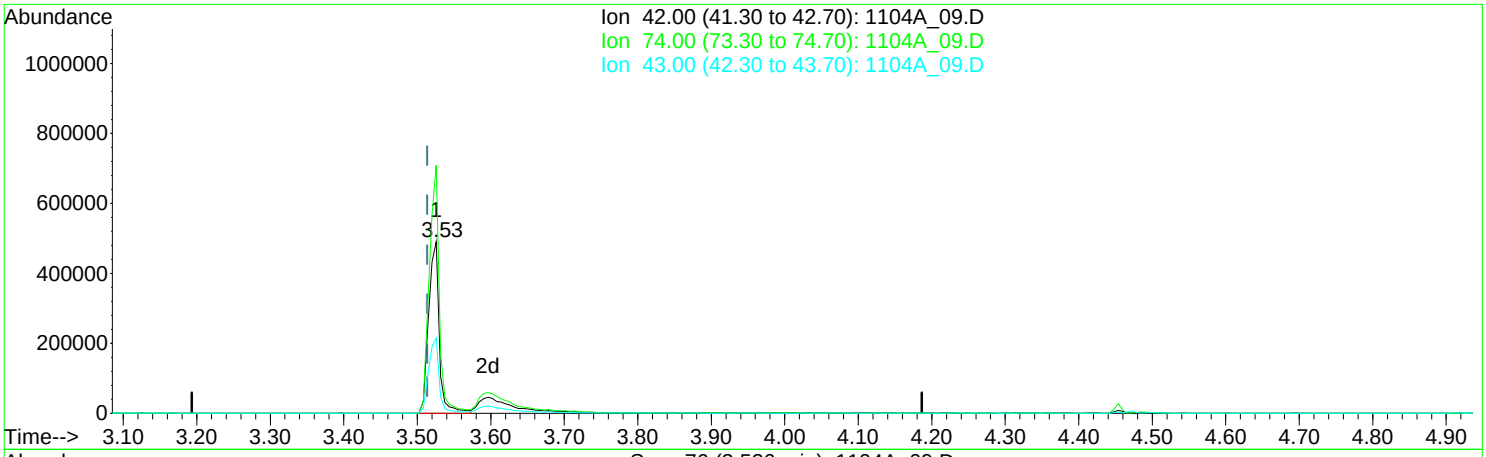
1104A_09.D S810K04K.M Sat Nov 05 13:16:38 2011

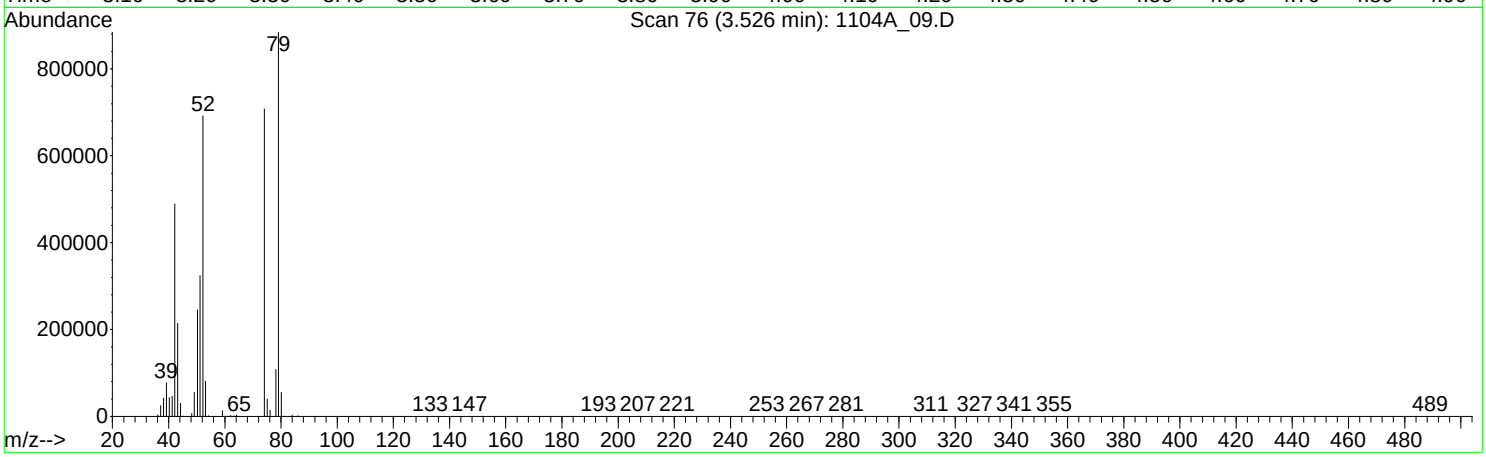
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(3) N-Nitrosodimethylamine (MT)
3.53min (+0.012) 26638.4788006 ppb
Qvalue = 58
response 492836

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	136.46#
43.00	30.30	43.93
0.00	0.00	0.00

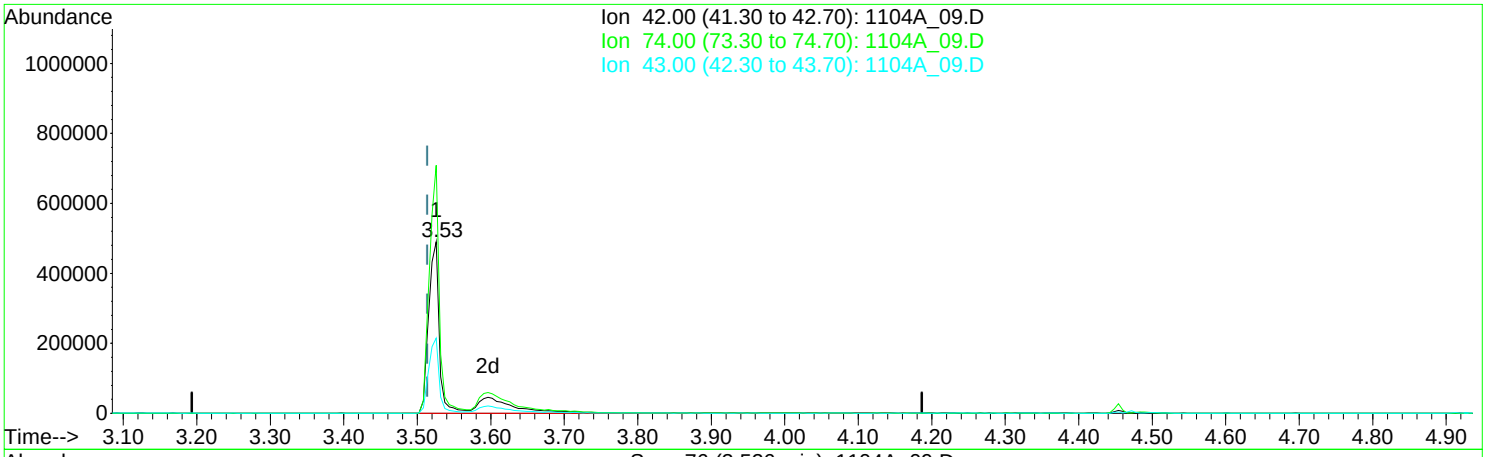
1104A_09.D S810K04K.M Sat Nov 05 13:16:40 2011

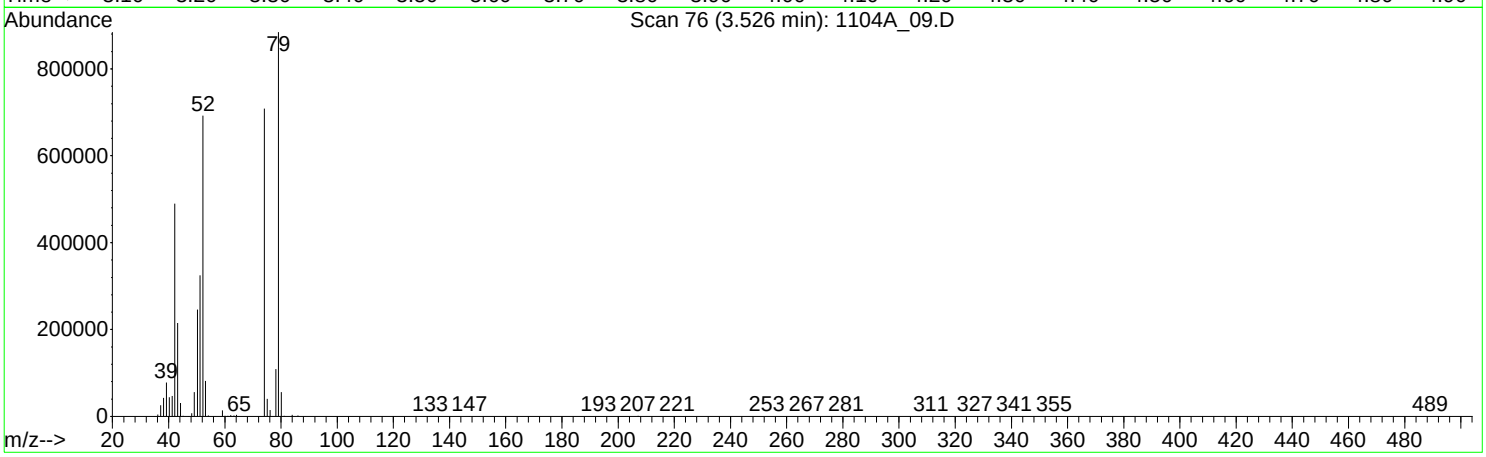
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(3) N-Nitrosodimethylamine (MT)
3.53min (+0.012) 36524.3728823 ppb m

response 675734

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	99.52
43.00	30.30	32.04
0.00	0.00	0.00

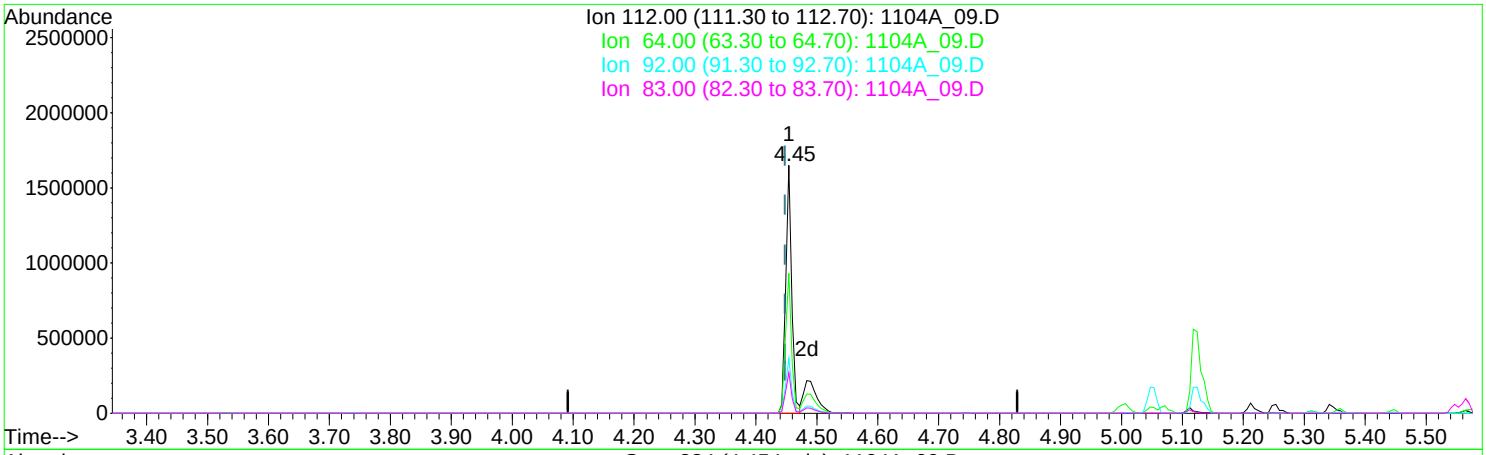
1104A_09.D S810K04K.M Sat Nov 05 13:16:43 2011

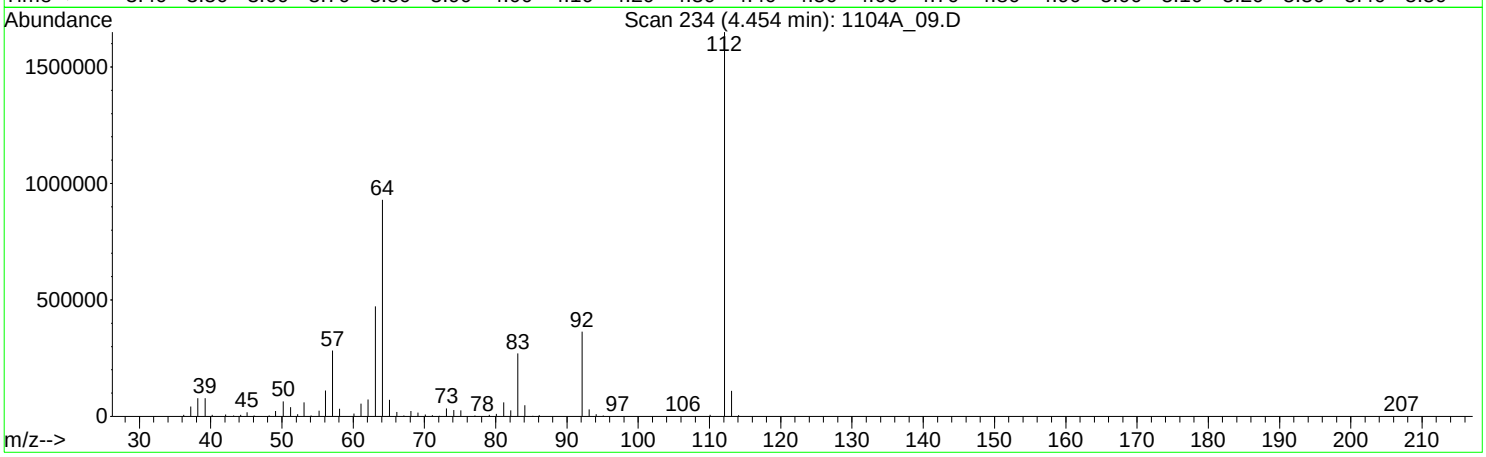
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 28982.0992595 ppb
Qvalue = 95
response 1137007

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	56.37
92.00	22.80	22.08
83.00	17.30	16.39

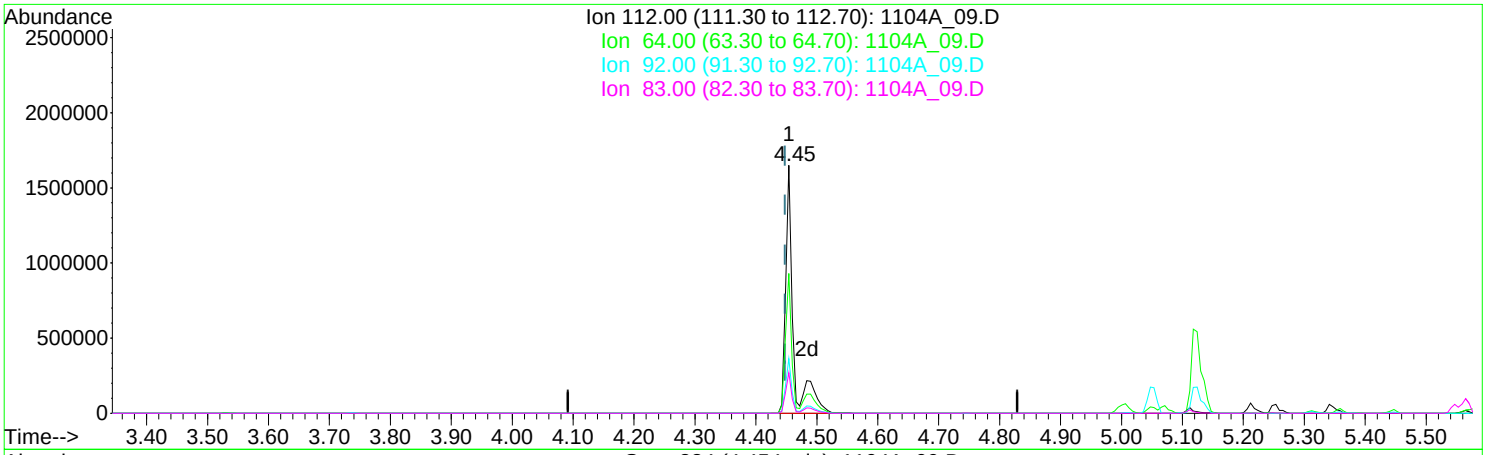
1104A_09.D S810K04K.M Sat Nov 05 13:16:46 2011

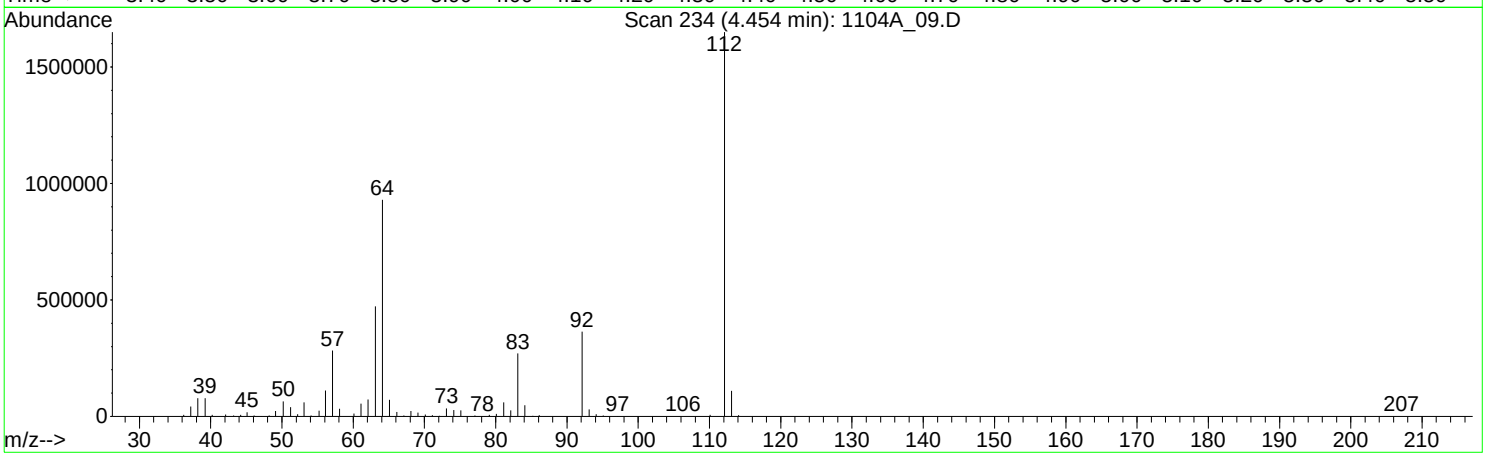
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 37268.7364930 ppb m

response 1462103

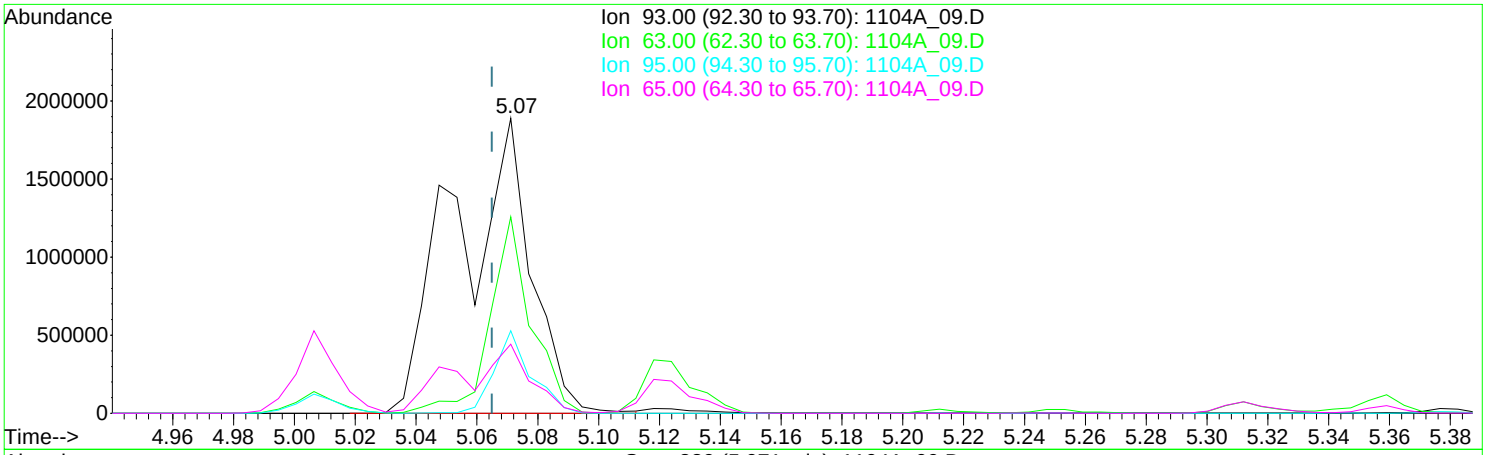
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	56.37
92.00	22.80	22.08
83.00	17.30	16.39

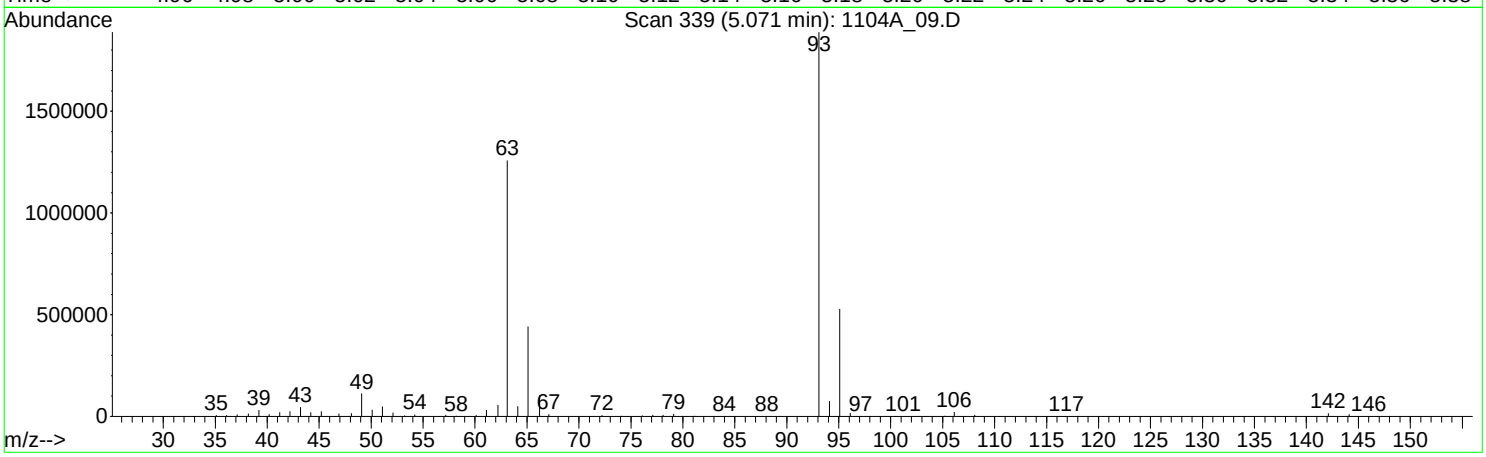
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (+0.006) 69256.5437287 ppb
Qvalue = 96
response 3273027

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	64.58
95.00	27.50	27.92
65.00	23.30	19.93

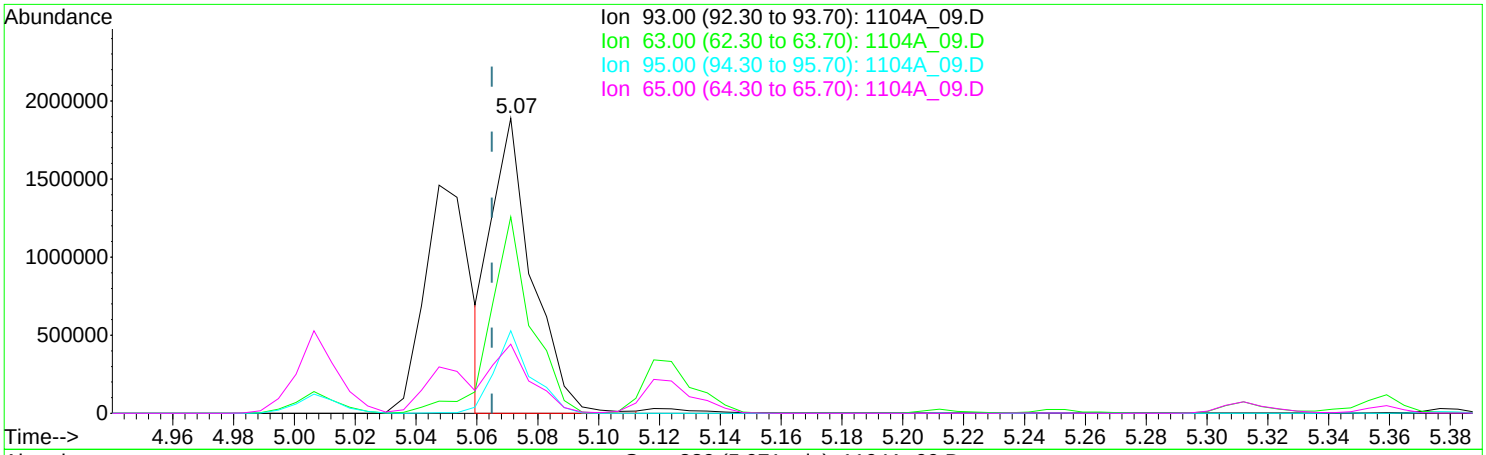
1104A_09.D S810K04K.M Sat Nov 05 13:16:54 2011

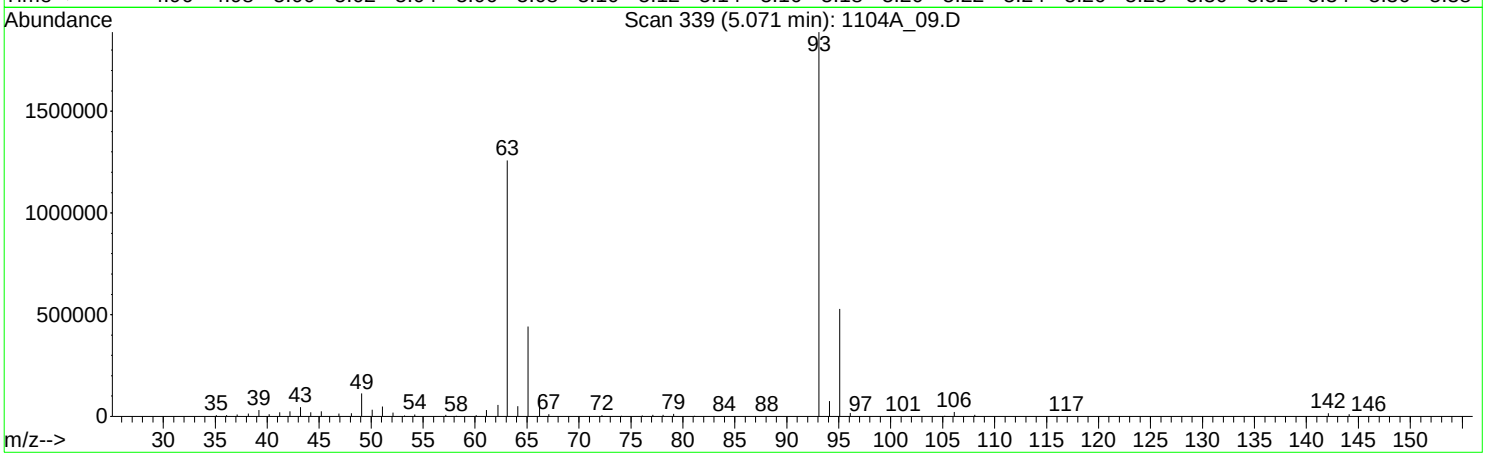
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (+0.006) 36983.3029031 ppb m

response 1747811

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	66.63
95.00	27.50	27.95
65.00	23.30	23.40

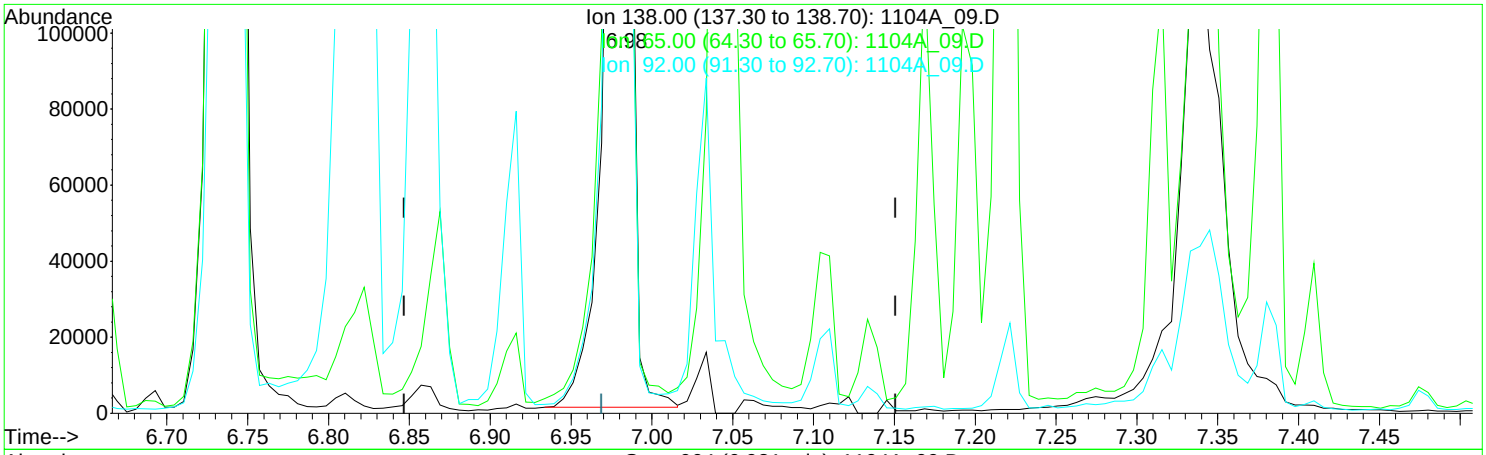
1104A_09.D S810K04K.M Sat Nov 05 13:16:58 2011

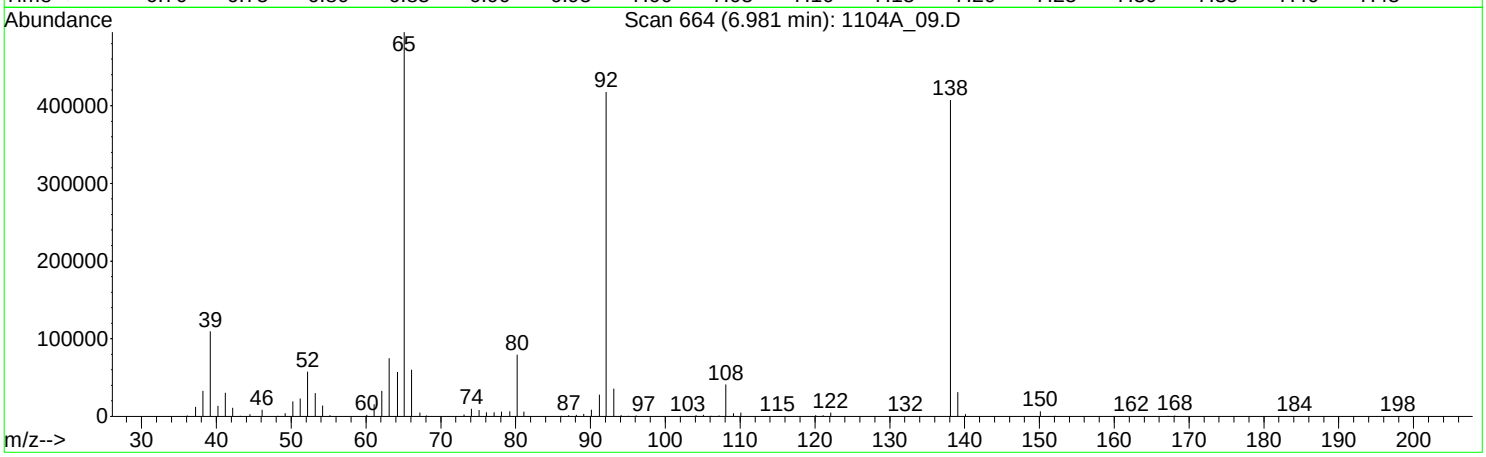
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:17 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(51) 3-Nitroaniline (MT)
6.98min (+0.012) 34026.1855410 ppb
Qvalue = 95
response 333759

Ion	Exp%	Act%
138.00	100	100
65.00	114.70	121.43
92.00	98.30	102.50
0.00	0.00	0.00

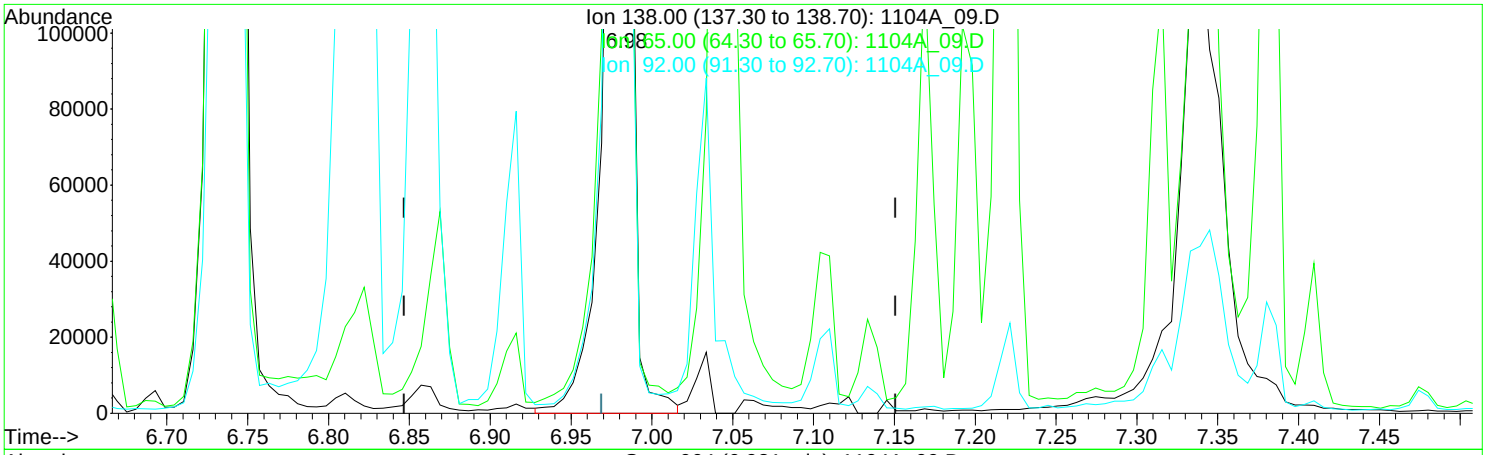
1104A_09.D S810K04K.M Sat Nov 05 13:17:59 2011

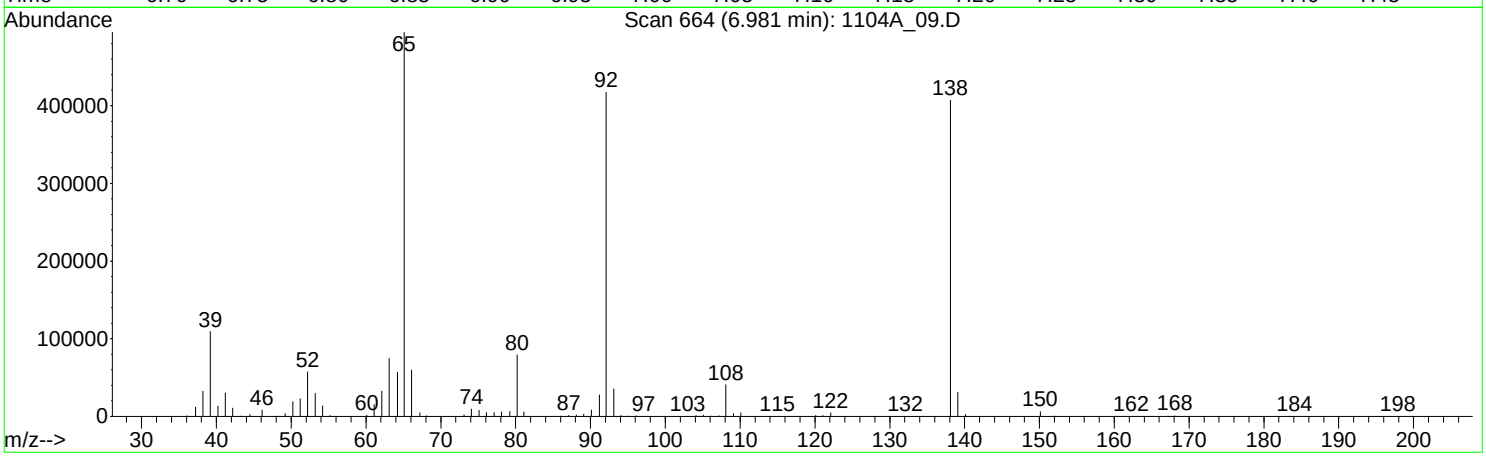
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(51) 3-Nitroaniline (MT)
6.98min (+0.012) 34898.4557823 ppb m

response 342315

Ion	Exp%	Act%
138.00	100	100
65.00	114.70	121.43
92.00	98.30	102.50
0.00	0.00	0.00

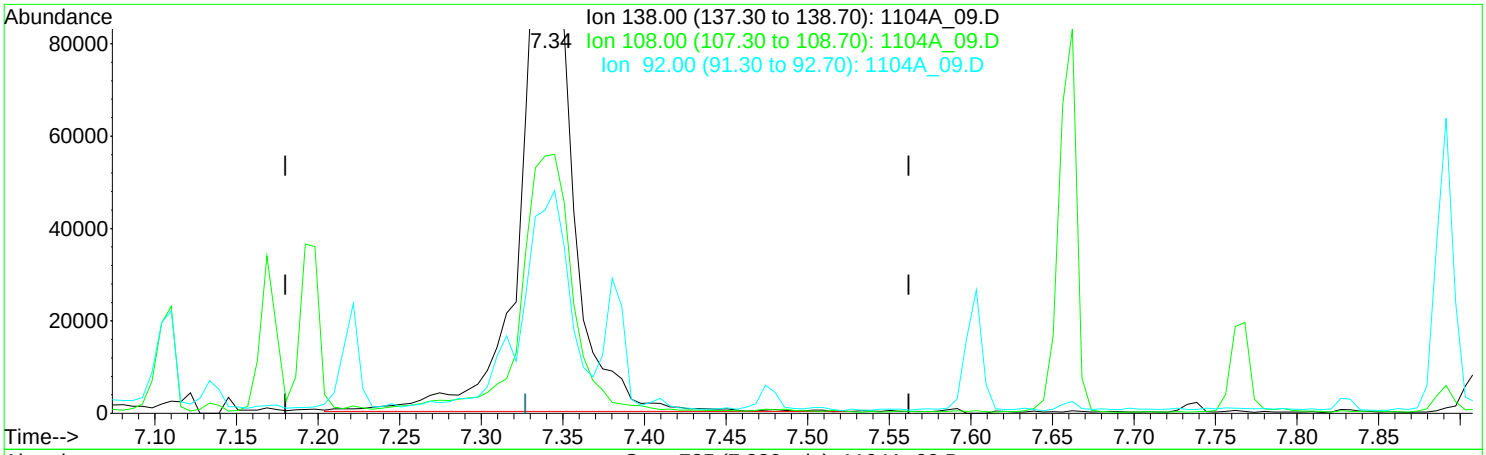
1104A_09.D S810K04K.M Sat Nov 05 13:18:03 2011

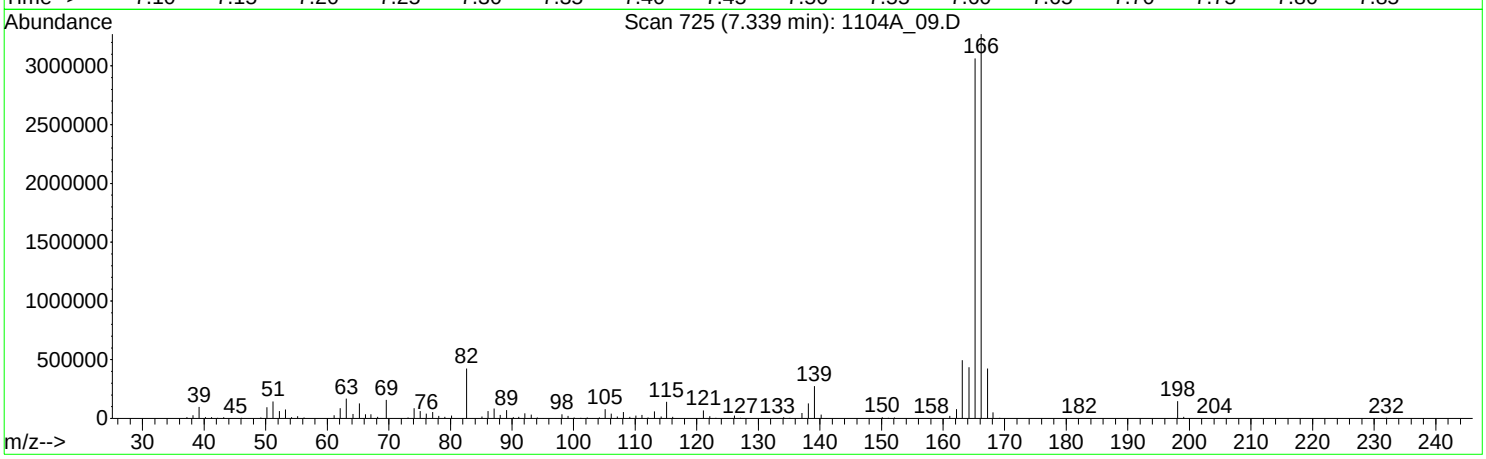
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(61) 4-Nitroaniline (MT)
7.34min (+0.012) 26625.1673607 ppb
Qvalue = 98
response 246864

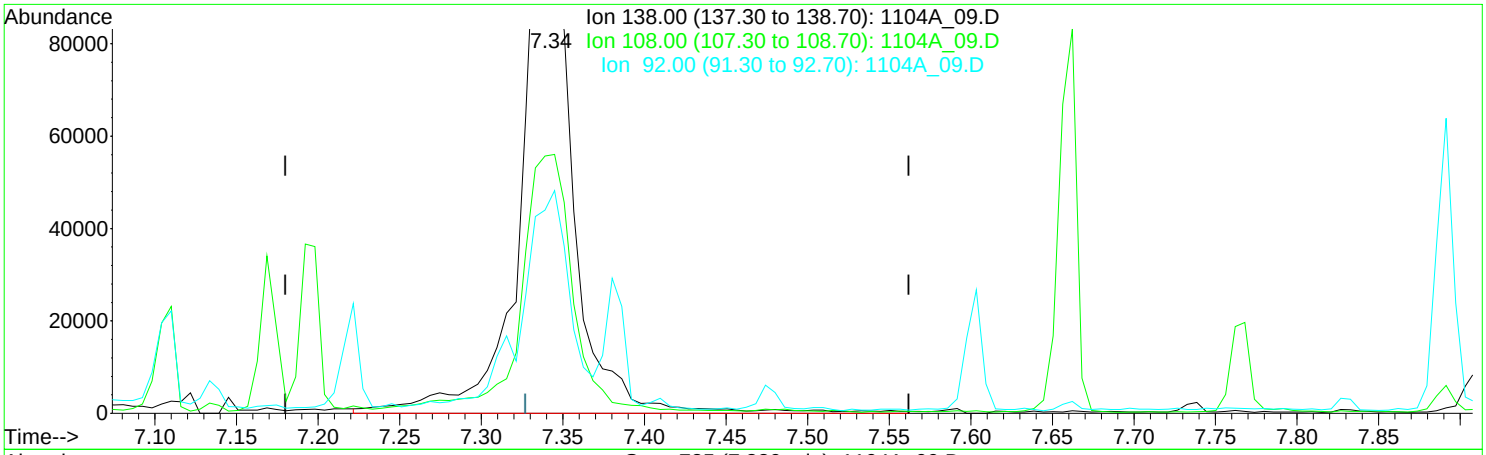
Ion	Exp%	Act%
138.00	100	100
108.00	52.70	49.74
92.00	38.30	38.35
0.00	0.00	0.00

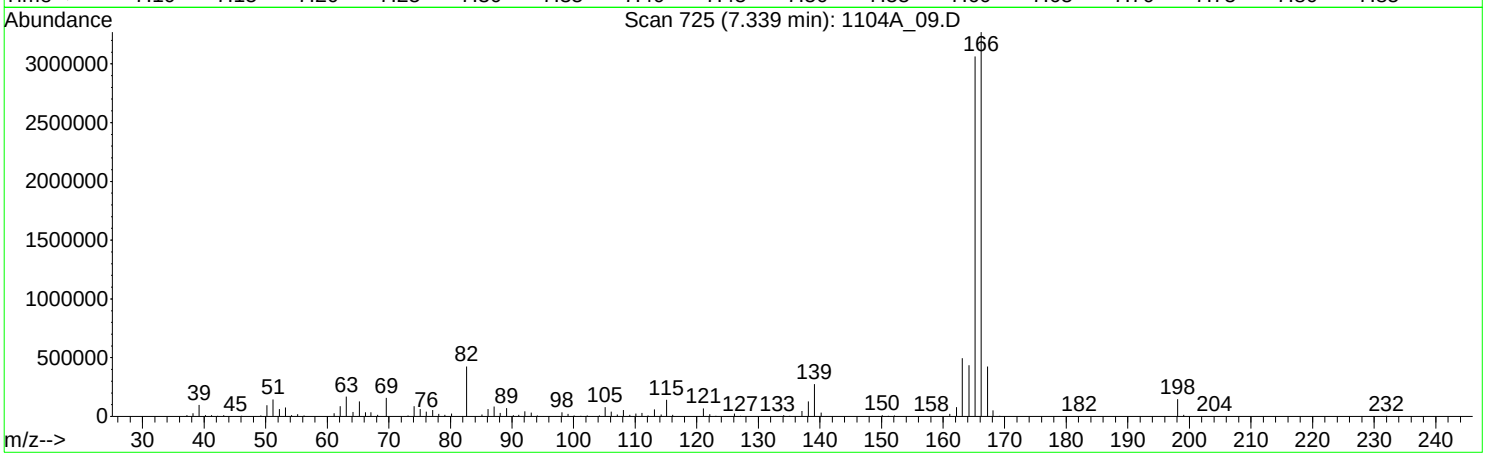
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(61) 4-Nitroaniline (MT)
7.34min (+0.012) 27531.5688875 ppb m

response 255268

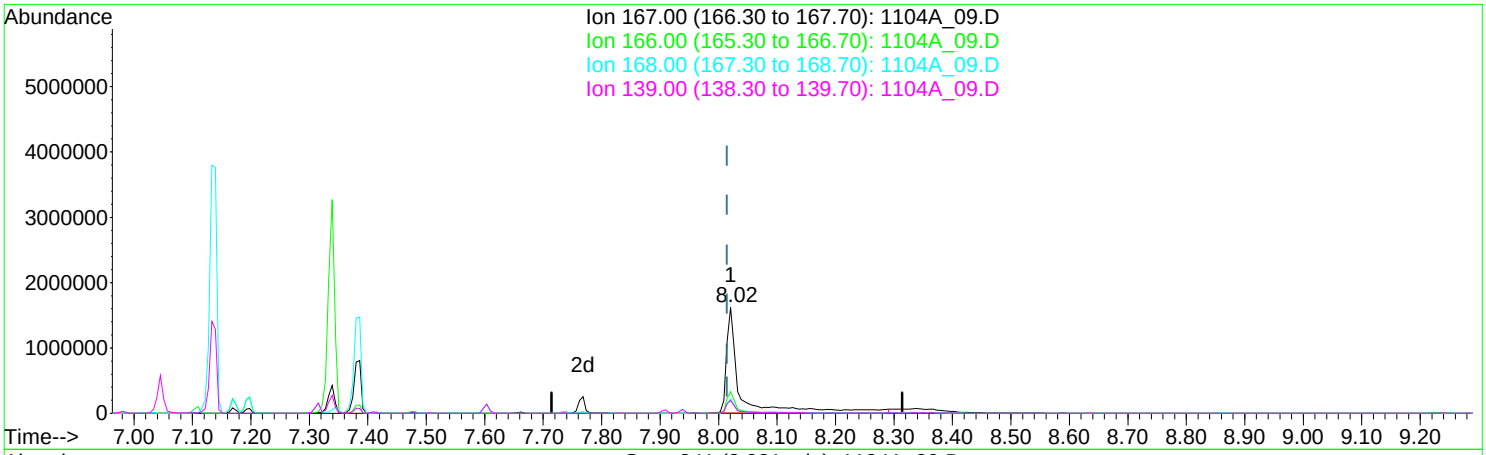
Ion	Exp%	Act%
138.00	100	100
108.00	52.70	48.10
92.00	38.30	37.09
0.00	0.00	0.00

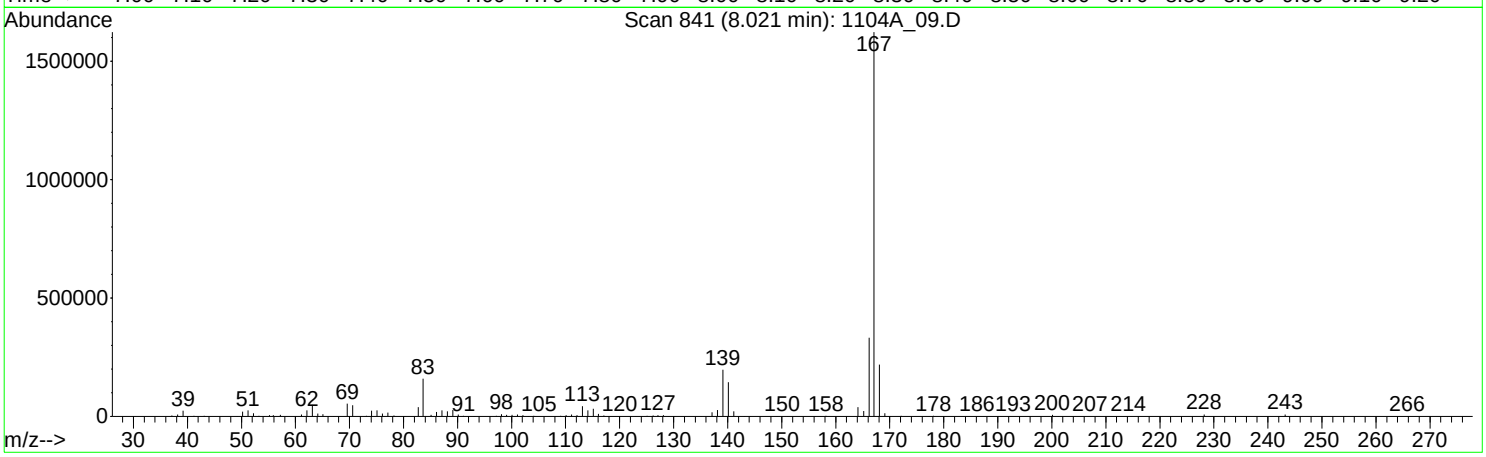
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(74) Carbazole (MT)
8.02min (+0.006) 31070.3515179 ppb
Qvalue = 99
response 2638226

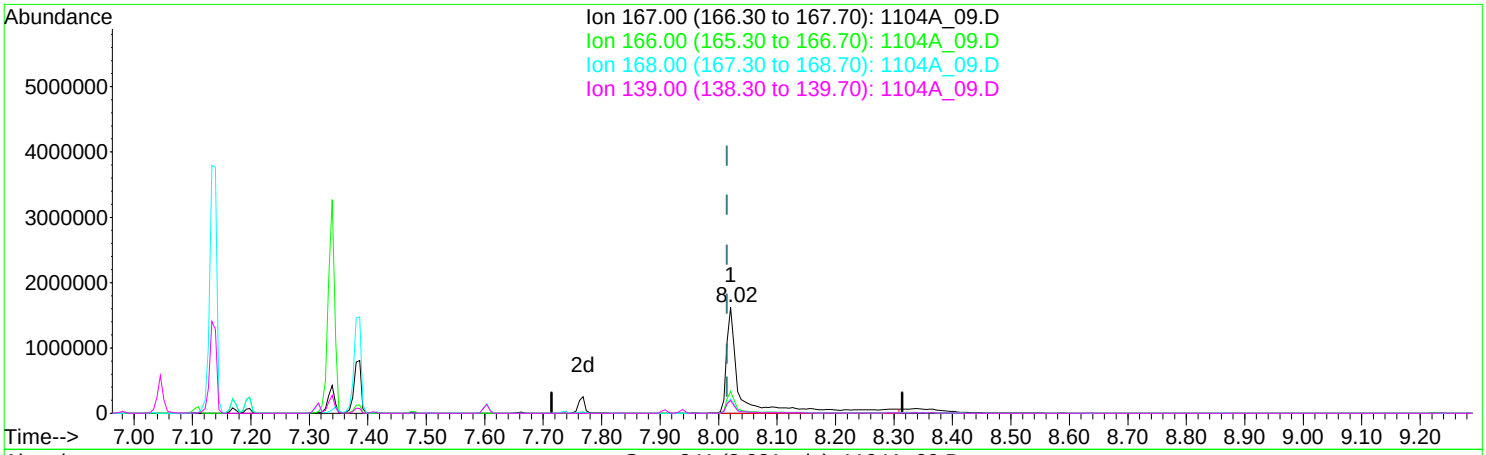
Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.58
168.00	13.30	13.59
139.00	11.80	12.10

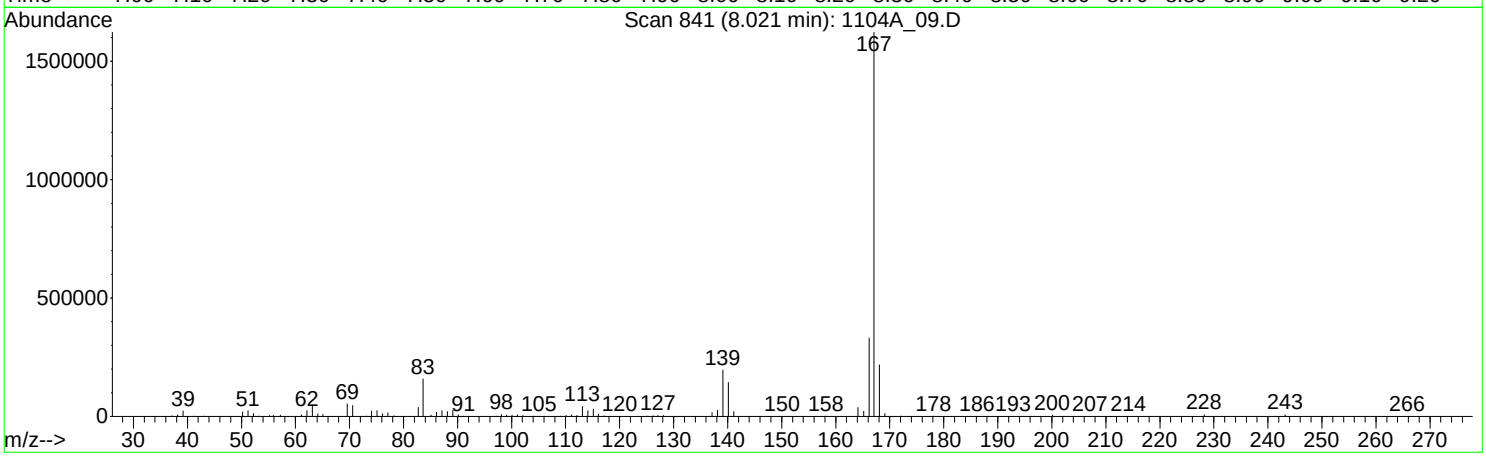
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(74) Carbazole (MT)
8.02min (+0.006) 32570.0682872 ppb m

response 2765569

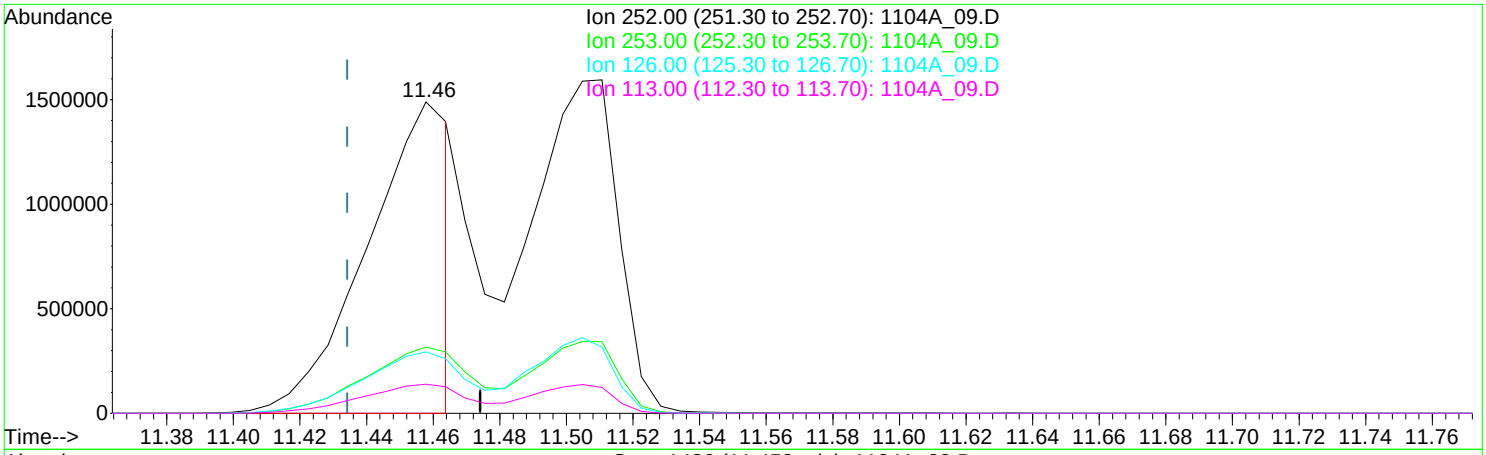
Ion	Exp%	Act%
167.00	100	100
166.00	20.00	19.64
168.00	13.30	12.96
139.00	11.80	11.55

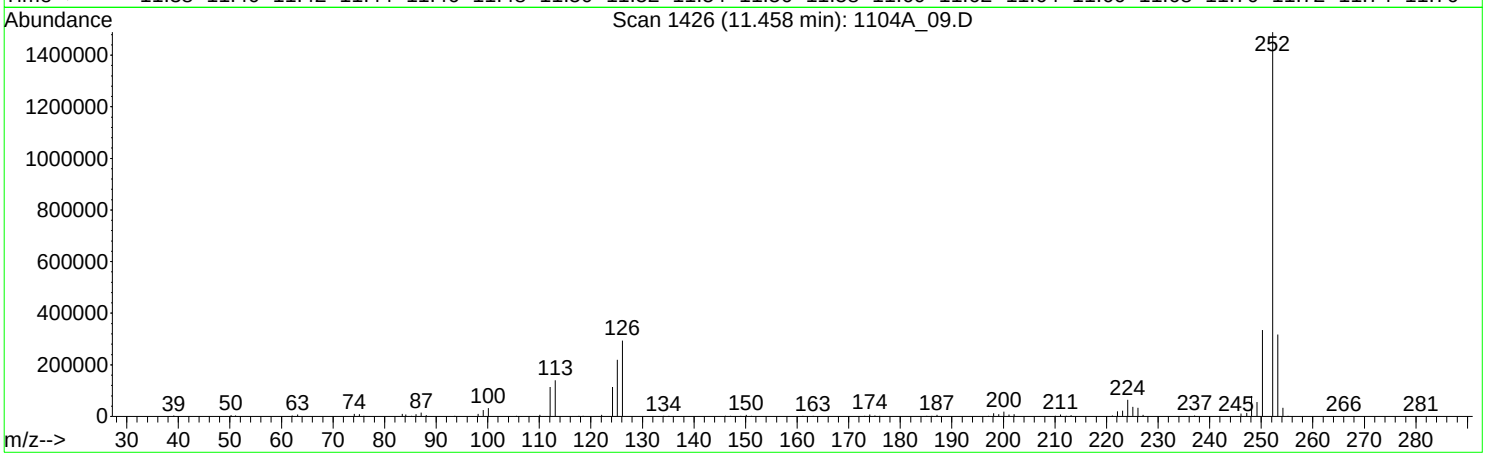
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(89) Benzo(b)fluoranthene (MT)

11.46min (+0.024) 31612.5442342 ppb

Qvalue = 96
response 2564136

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.50
126.00	17.10	20.59
113.00	8.80	9.72

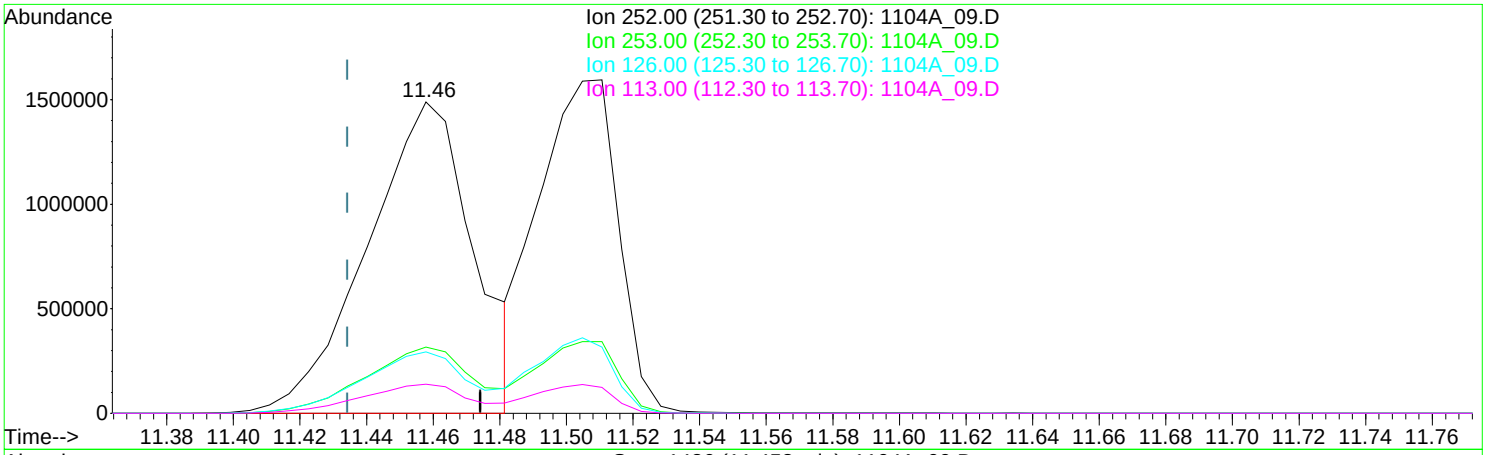
1104A_09.D S810K04K.M Sat Nov 05 13:18:38 2011

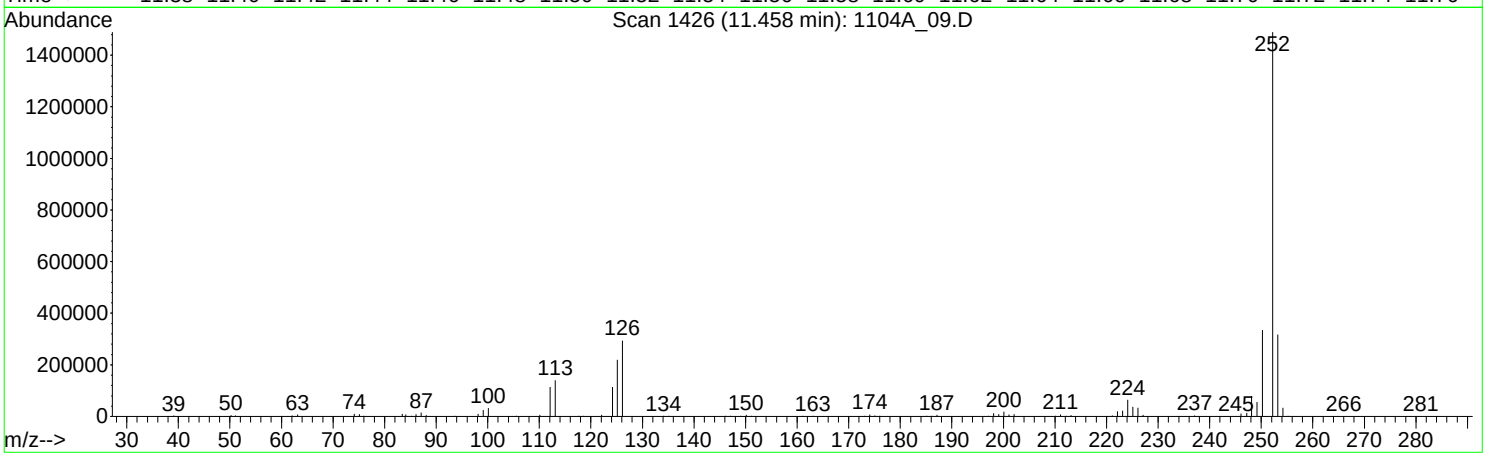
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(89) Benzo(b)fluoranthene (MT)
11.46min (+0.024) 40400.6366388 ppb m

response 3276950

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.29
126.00	17.10	19.74
113.00	8.80	9.41

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377
Sample : STD SVMS 40000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	216786	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	824326	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	453565	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	752732	8000.00 ppb	0.00
78) Chrysene-d12	9.92	240	499655	8000.00 ppb	0.01
88) Perylene-d12	12.12	264	565091	8000.00 ppb	0.01

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	1462103m	37268.7364930 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 186343.68%#		
7) Phenol-d5	5.00	99	1527189	37446.9089931 ppb	0.01
Spiked Amount 20.000	Range 10 - 63		Recovery = 187234.54%#		
23) Nitrobenzene-d5	5.56	82	1435305	37162.8411086 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 371628.41%#		
44) 2-Fluorobiphenyl	6.60	172	2591126	31655.0940183 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 316550.94%#		
67) 2,4,6-Tribromophenol	7.48	330	353016	41849.3813810 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 209246.91%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 372267.45%#		

Target Compounds

					Qvalue
2) Pyridine	3.53	79	1547307m	37580.8031486 ppb	
3) N-Nitrosodimethylamine	3.53	42	675734m	36524.3728823 ppb	
5) Aniline	5.05	93	1525249	36531.4043148 ppb	98
6) bis(2-Chloroethyl)ether	5.07	93	1747811m	36983.3029031 ppb	
8) Phenol	5.01	94	1757209	35965.4229538 ppb	95
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.12	128	1443823	35250.0703596 ppb	97
11) n-Decane	5.11	41	625484	31132.2699131 ppb	100
12) 1,3-Dichlorobenzene	5.21	146	1599087	35083.4736246 ppb	95
13) 1,4-Dichlorobenzene	5.25	146	1586736	34457.3805923 ppb	97
14) Benzyl Alcohol	5.31	79	1023627	36979.6867452 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	1483835	35100.5391131 ppb	97
16) bis(2-Chloroisopropyl)ethe	5.38	121	470906	34621.5054839 ppb	98
17) 2-Methylphenol	5.36	108	1270897	35263.2819420 ppb	98
18) Hexachloroethane	5.55	117	613577	37288.1088842 ppb	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377
Sample : STD SVMS 40000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.46	70	913265	35154.8219953	ppb		92
20)	3&4-Methyl phenol	5.45	107	1444958	36752.0276483	ppb		99
21)	Acetophenone	0.00	105	0	N.D.	d		
24)	Nitrobenzene	5.58	77	1294647	35790.0853514	ppb		98
25)	Isophorone	5.71	82	2542435	35970.3691956	ppb		100
26)	2-Nitrophenol	5.76	139	718806	34272.2049170	ppb		98
27)	2,4-Dimethylphenol	5.75	107	1136761	32237.0533732	ppb		100
28)	bis(2-Chlorethoxy)methane	5.81	93	1580200	35750.1256115	ppb		98
29)	2,4-Dichlorophenol	5.90	162	1179182	37850.2654574	ppb		89
30)	Benzoic Acid	0.00	105	0	N.D.	d		
31)	1,2,4-Trichlorobenzene	5.95	180	1363217	34621.4530671	ppb		97
32)	Naphthalene	6.01	128	3974758	33556.1397772	ppb		98
33)	4-Chloroaniline	6.02	65	394722	37430.1404707	ppb		94
34)	Hexachloro-1,3-butadiene	6.06	225	657285	34081.1369131	ppb		98
35)	Caprolactam	0.00	113	0	N.D.	d		
36)	4-Chloro-3-methylphenol	6.27	107	1191794	37544.3573969	ppb		88
37)	2-Methylnaphthalene	6.40	142	2491170	33544.0112301	ppb		99
38)	1-Methylnaphthalene	6.46	142	2477644	32309.2334286	ppb		99
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41)	Hexachlorocyclopentadiene	6.48	237	518710	34510.8744108	ppb		99
42)	2,4,6-Trichlorophenol	6.55	196	811594	35830.2728374	ppb		97
43)	2,4,5-Trichlorophenol	6.58	196	831081	37364.3250125	ppb		90
45)	Biphenyl	6.66	154	3011402	33088.7657459	ppb		100
46)	2-Chloronaphthalene	6.69	162	2311055	32268.2780378	ppb		97
47)	2-Nitroaniline	6.74	138	829448	38817.7305601	ppb		100
48)	Acenaphthylene	6.94	152	3592821	32975.5303594	ppb		100
49)	Dimethyl phthalate	6.82	163	2748799	34692.3914217	ppb		98
50)	2,6-Dinitrotoluene	6.87	165	657149	36246.7306211	ppb		93
51)	3-Nitroaniline	6.98	138	342315m	34898.4557823	ppb		
52)	Acenaphthene	7.04	153	2210374	30448.9325624	ppb		99
53)	2,4-Dinitrophenol	7.03	184	260876	50429.9906495	ppb	#	1
54)	Dibenzofuran	7.13	168	3199281	33502.0539391	ppb		98
55)	2,4-Dinitrotoluene	7.11	165	856366	39117.4035271	ppb		99
57)	4-Nitrophenol	7.05	139	418255	35640.0063951	ppb		95
58)	Fluorene	7.34	166	2509424	32726.8185806	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.32	204	1288368	33143.2294750 ppb		98
60)	Diethyl phthalate	7.22	149	2580215	33106.5443008 ppb		99
61)	4-Nitroaniline	7.34	138	255268m	27531.5688875 ppb		
62)	Azobenzene	7.41	77	2424289	33740.4180749 ppb		99
63)	Atrazine	0.00	200	0	N.D. d		
65)	4,6-Dinitro-2-methylphenol	7.34	198	373789	43668.1298628 ppb	#	82
66)	N-Nitrosodiphenylamine	7.39	169	2097525	32944.2556260 ppb		99
68)	4-Bromophenyl-phenylether	7.60	248	760085	35100.5058280 ppb		96
69)	Hexachlorobenzene	7.66	284	804007	33254.9222694 ppb		99
70)	n-octadecane	7.73	55	394409	29200.4074459 ppb		96
71)	Pentachlorophenol	7.77	266	511459	43095.1228427 ppb		99
72)	Phenanthrene	7.91	178	3690429	33239.1063849 ppb		99
73)	Anthracene	7.94	178	3479451	31778.5902989 ppb		99
74)	Carbazole	8.02	167	2765569m	32570.0682872 ppb		
75)	Di-n-butyl phthalate	8.16	149	4367543	30931.6490144 ppb		100
76)	2-nitrodiphenylamine	0.00	167	0	N.D. d		
77)	Fluoranthene	8.63	202	3949544	34478.1384190 ppb		99
79)	Benzidine	0.00	184	0	N.D. d		
80)	Pyrene	8.80	202	3914552	35028.5203120 ppb		100
82)	Benzylbutyl phthalate	9.23	149	2027859	36783.5392346 ppb		98
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D. d		
84)	Benzo(a)anthracene	9.91	228	2943790	38661.9628667 ppb		99
85)	Chrysene	9.95	228	2683358	37466.3422618 ppb		98
86)	bis(2-Ethylhexyl)phthalate	9.79	149	3017279	37726.3244936 ppb		99
87)	Di-n-octyl phthalate	10.67	149	4895569	41222.3942409 ppb		100
89)	Benzo(b)fluoranthene	11.46	252	3276950m	40400.6366388 ppb		
90)	Benzo(k)fluoranthene	11.51	252	2656745	34177.4610870 ppb		96
91)	Benzo(a)pyrene	12.05	252	2964907	38736.6349831 ppb		100
92)	Indeno(1,2,3-cd)pyrene	13.86	276	3537657	35720.6579882 ppb		87
93)	Dibenz(a,h)anthracene	13.87	278	3011592	35292.4747758 ppb		93
94)	Benzo(g,h,i)perylene	14.35	276	3135525	36158.7658211 ppb		96

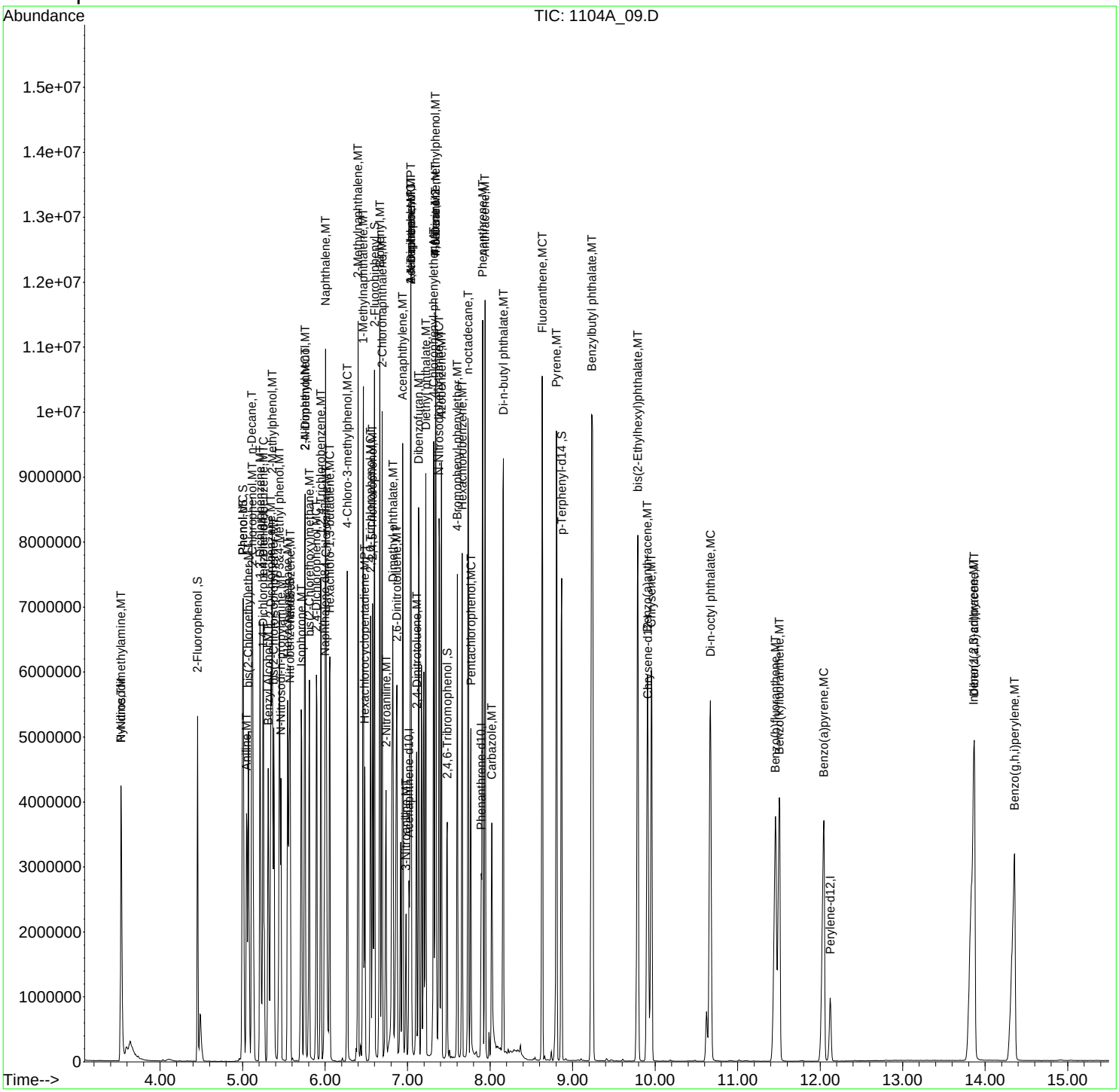
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:18 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:16:21 2011
Response via : Initial Calibration

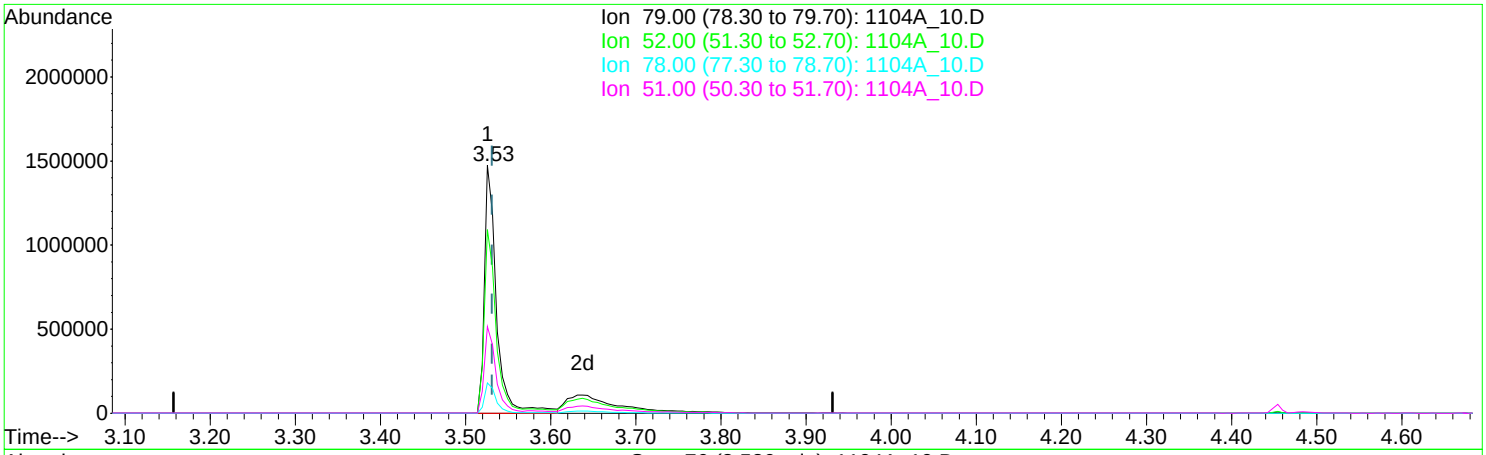


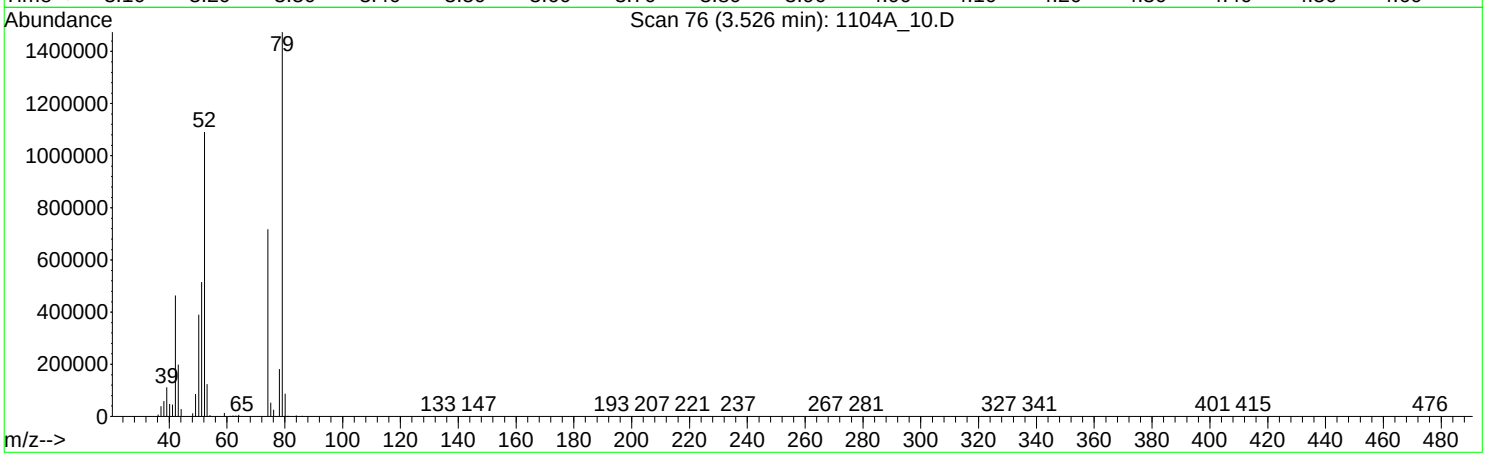
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 12:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(2) Pyridine (TM)
3.53min (-0.006) 36753.3085679 ppb
Qvalue = 96
response 1444313

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	74.02
78.00	12.10	12.32
51.00	36.90	34.83

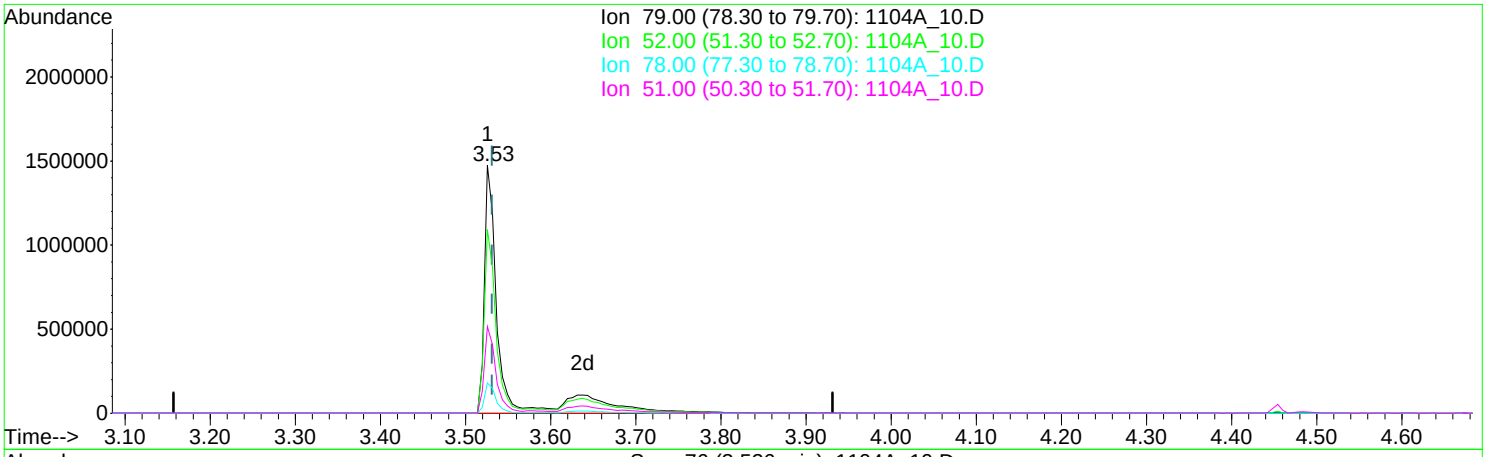
1104A_10.D S810K04K.M Sat Nov 05 13:19:08 2011

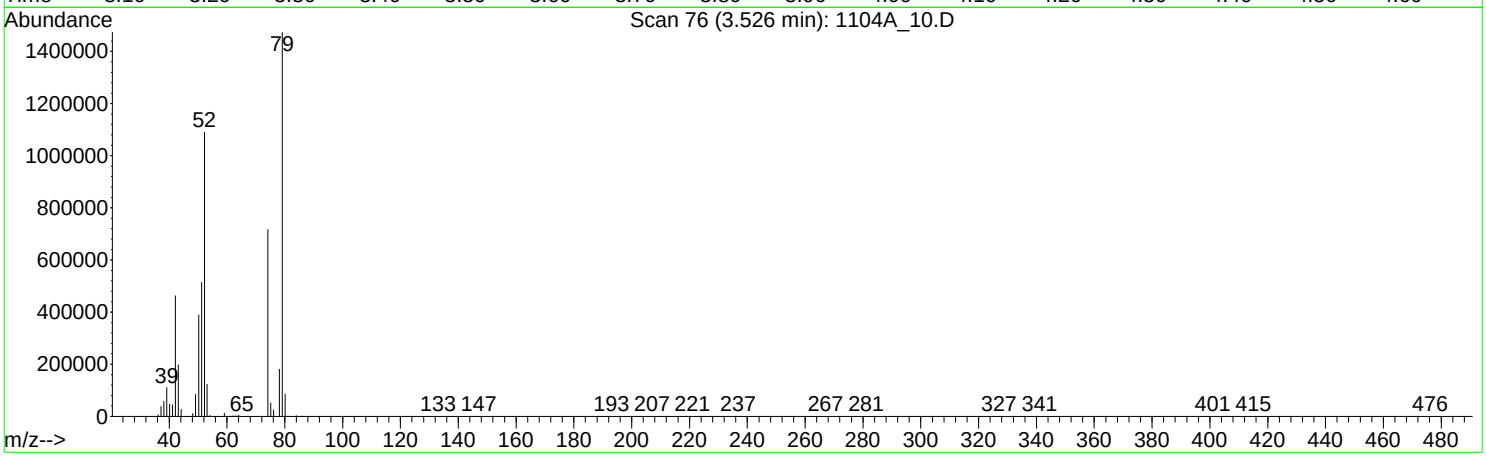
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(2) Pyridine (TM)
3.53min (-0.006) 49140.5863425 ppb m

response 1931102

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	74.02
78.00	12.10	12.32
51.00	36.90	34.96

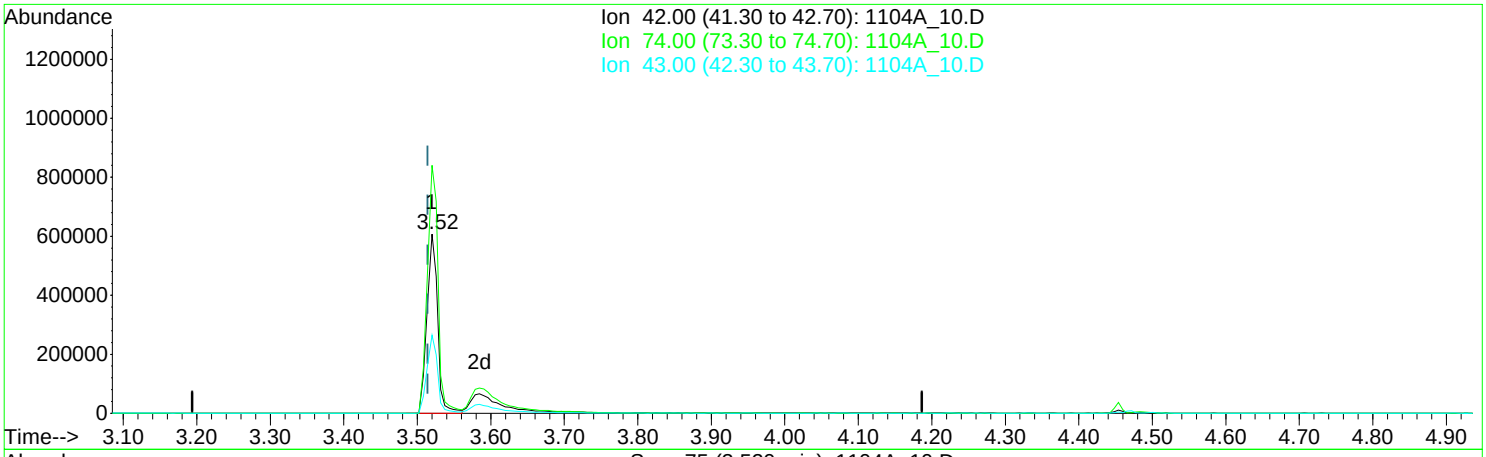
1104A_10.D S810K04K.M Sat Nov 05 13:19:12 2011

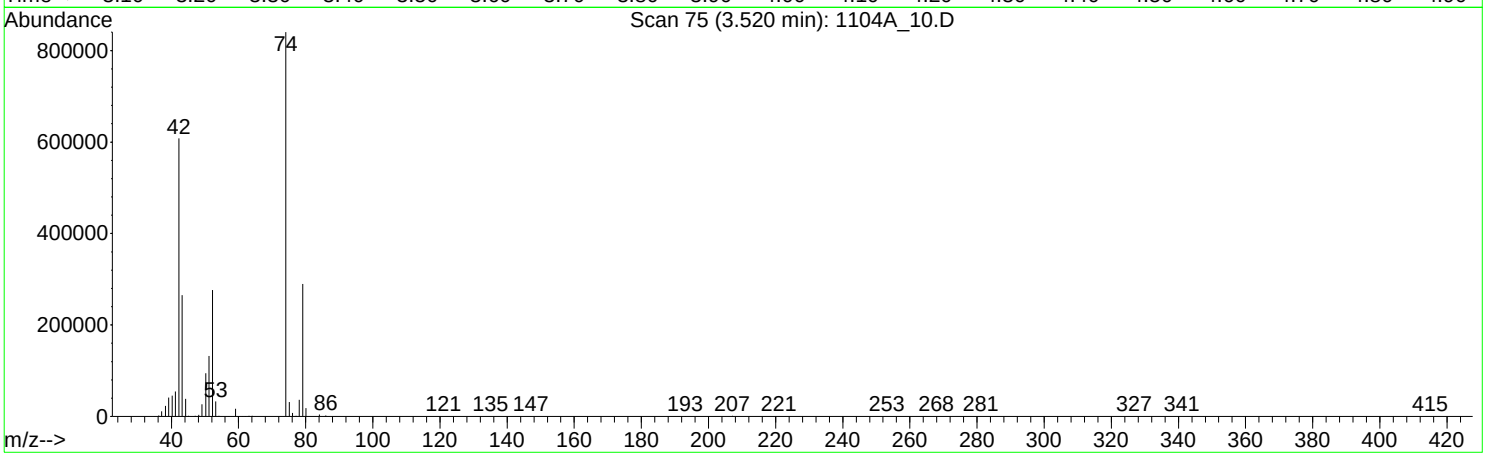
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 34499.8681272 ppb
Qvalue = 55
response 609207

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	140.78#
43.00	30.30	43.54
0.00	0.00	0.00

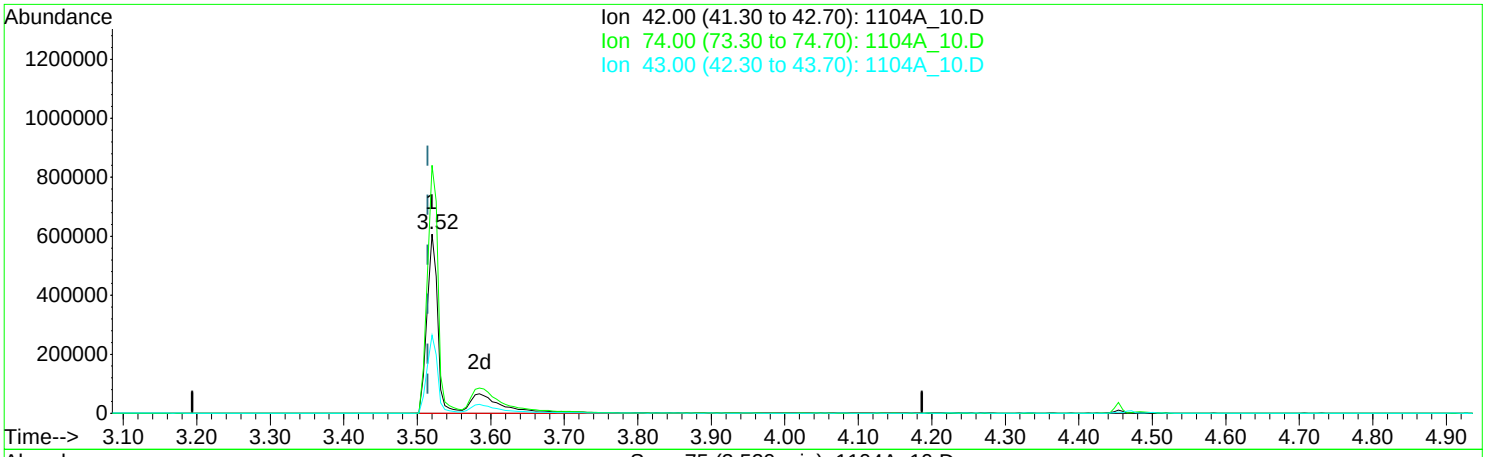
1104A_10.D S810K04K.M Sat Nov 05 13:19:15 2011

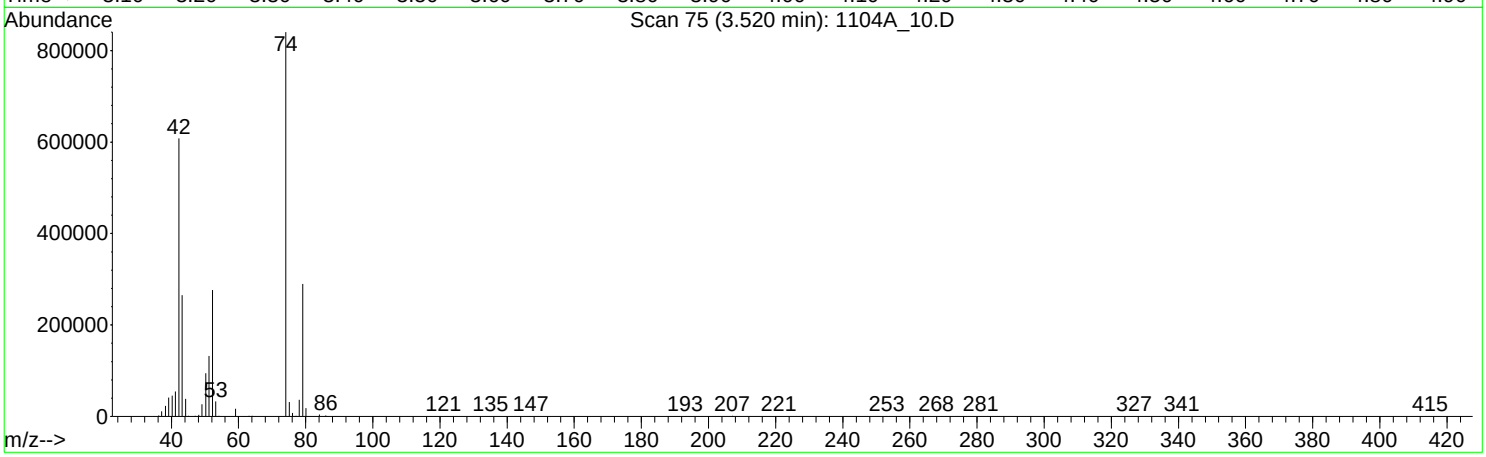
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 48172.4074472 ppb m

response 850640

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	100.83
43.00	30.30	31.18
0.00	0.00	0.00

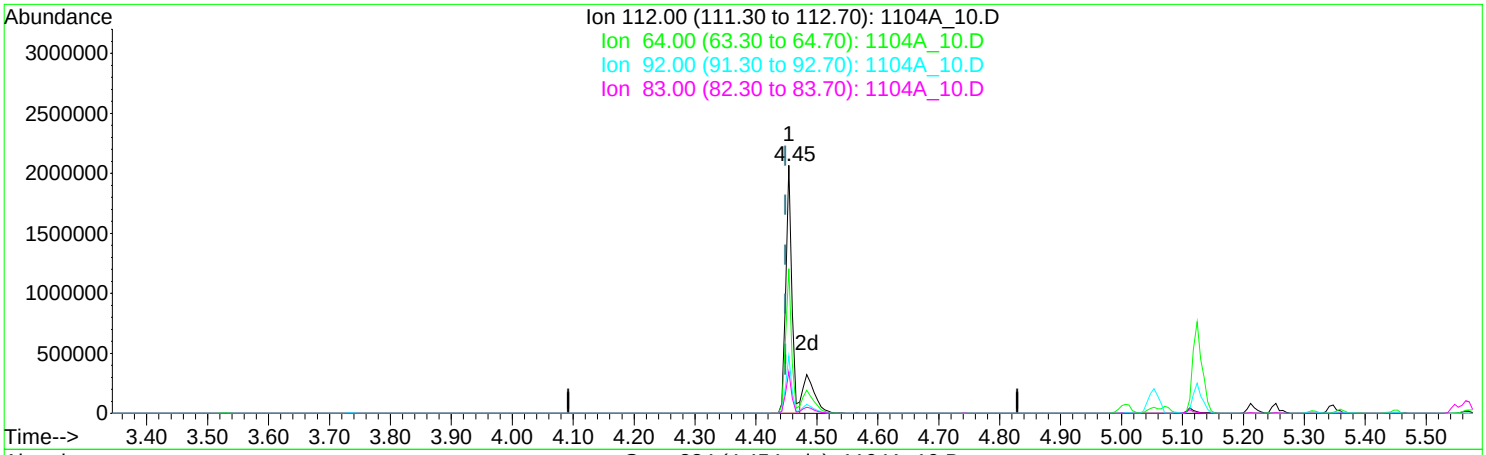
1104A_10.D S810K04K.M Sat Nov 05 13:19:19 2011

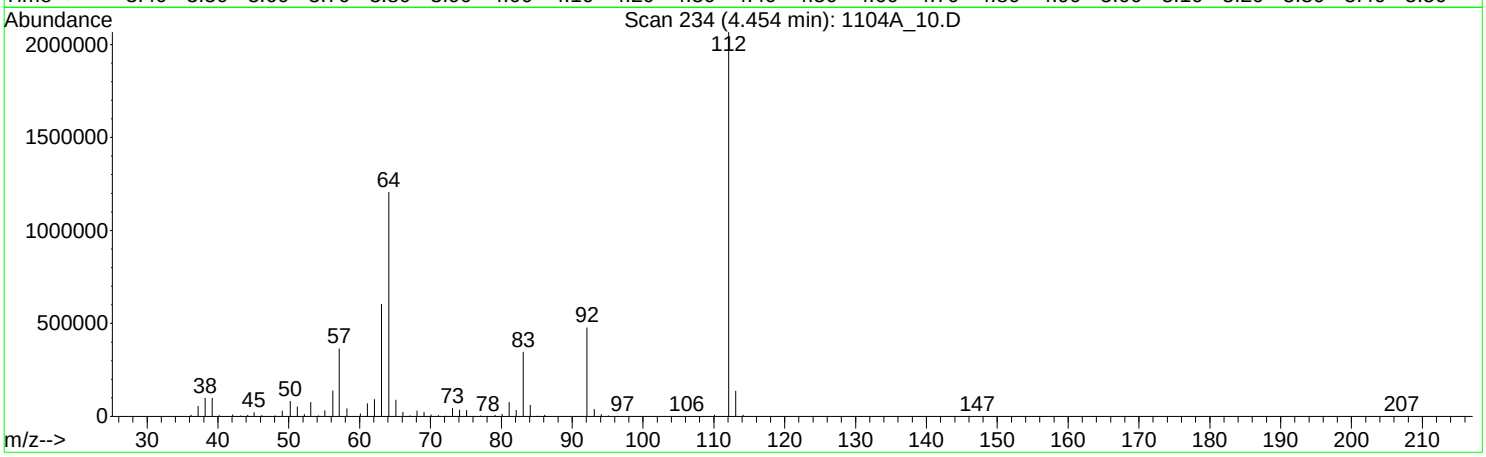
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 38276.9688023 ppb
Qvalue = 97
response 1433261

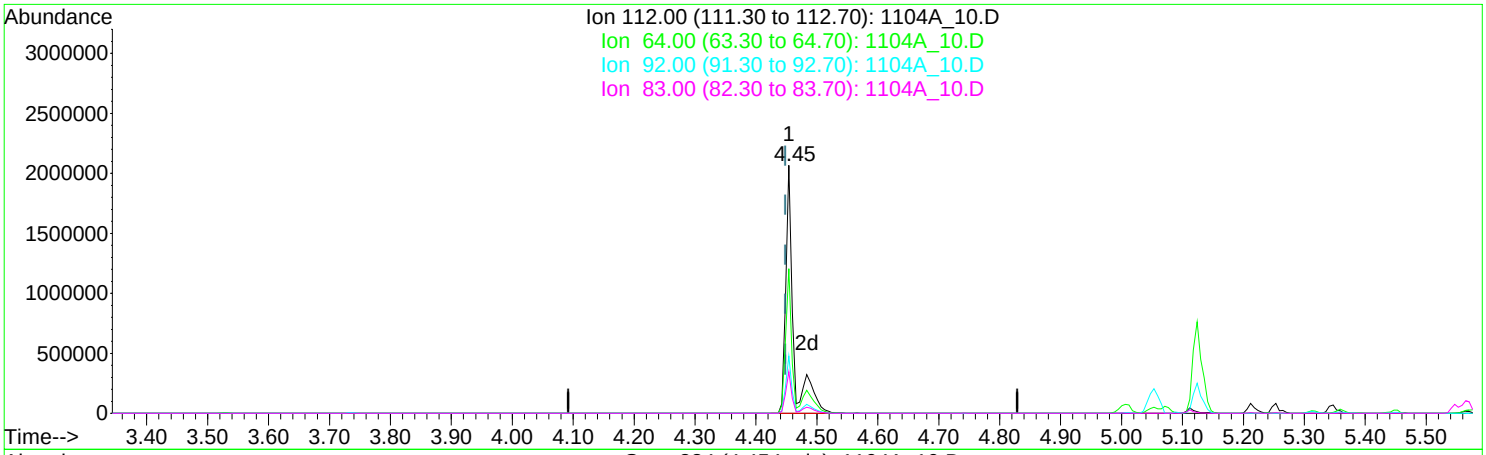
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	58.37
92.00	22.80	23.17
83.00	17.30	16.79

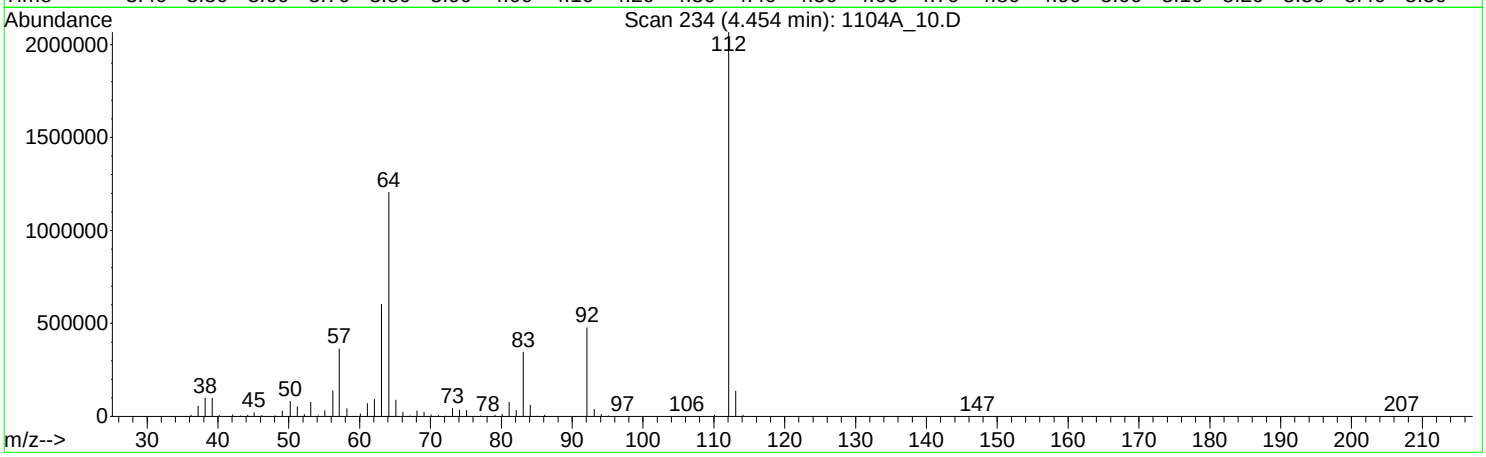
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 49395.1911944 ppb m

response 1849577

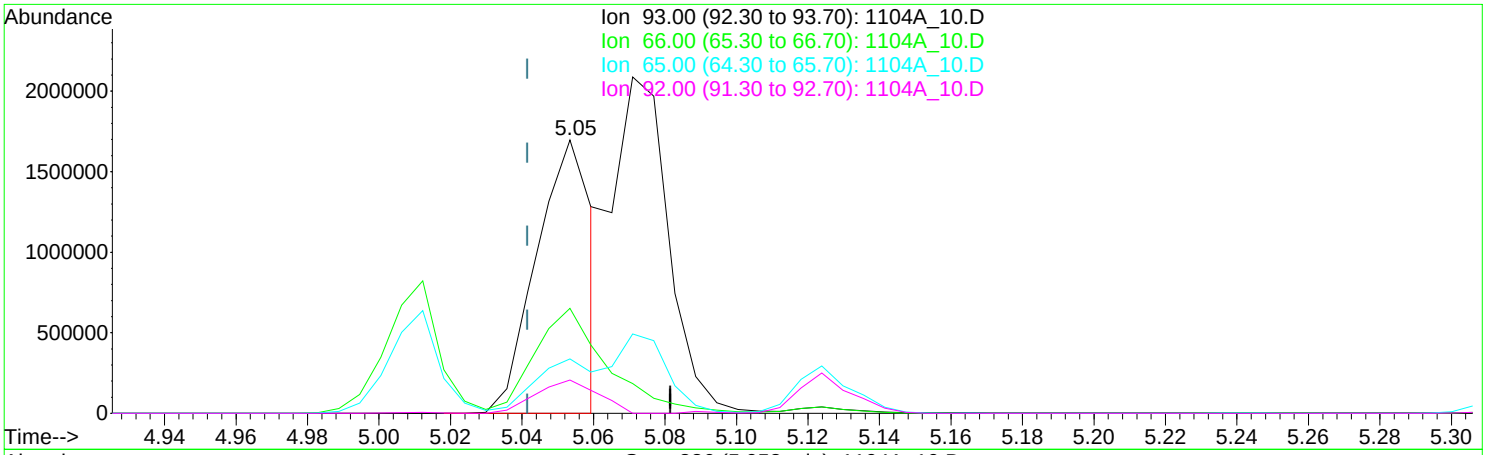
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	58.37
92.00	22.80	23.17
83.00	17.30	16.80

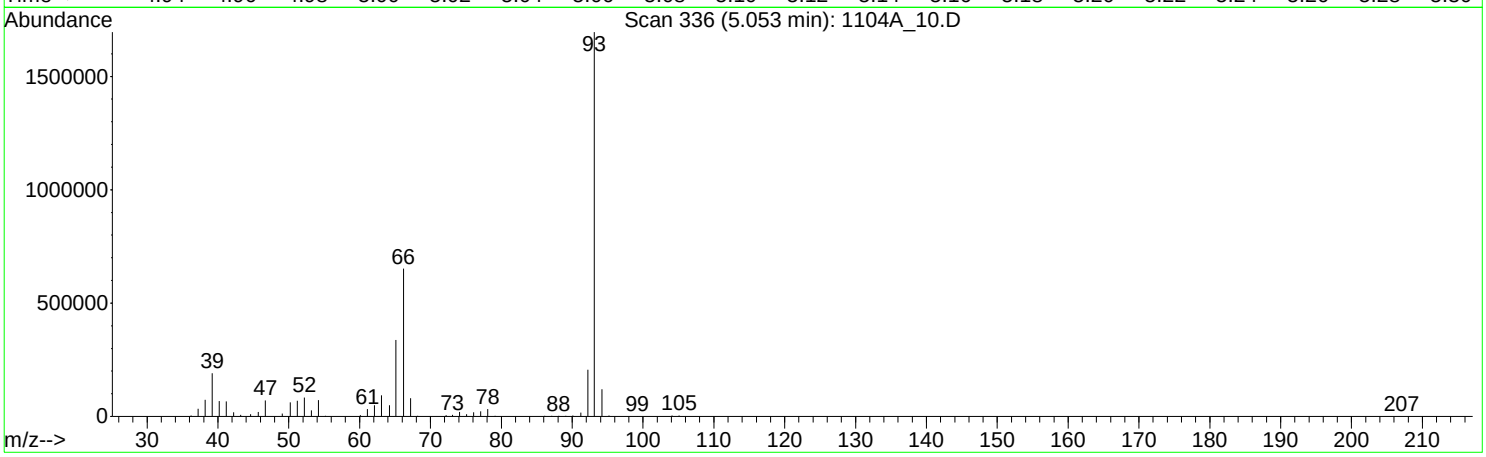
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(5) Aniline (MT)
5.05min (+0.012) 46083.5100631 ppb
Qvalue = 85
response 1836430

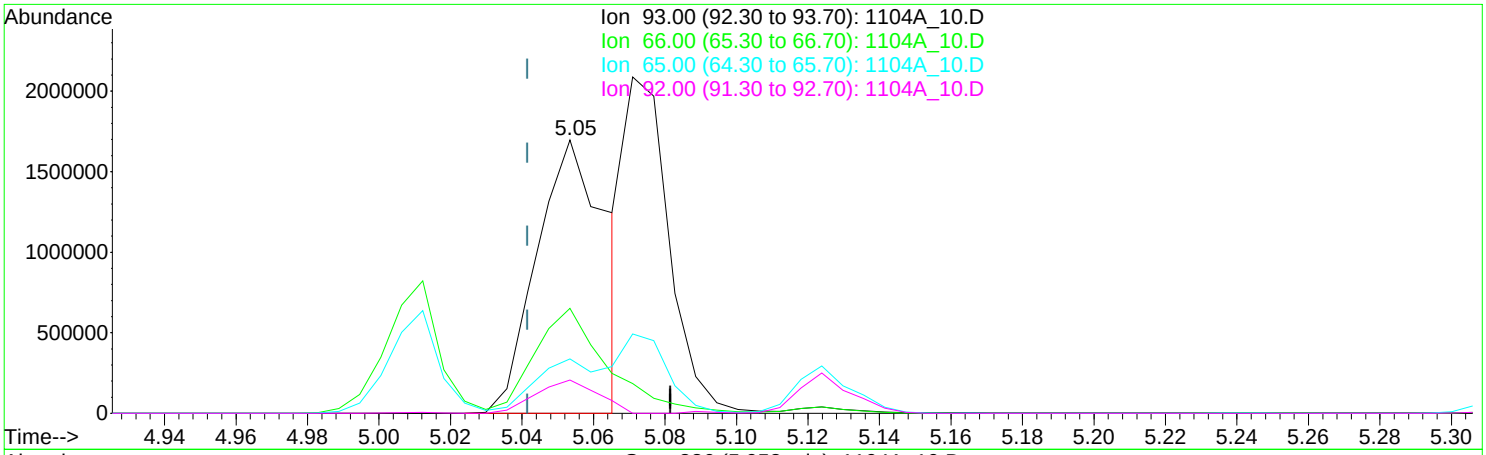
Ion	Exp%	Act%
93.00	100	100
66.00	37.60	35.58
65.00	20.20	0.00#
92.00	12.40	11.87

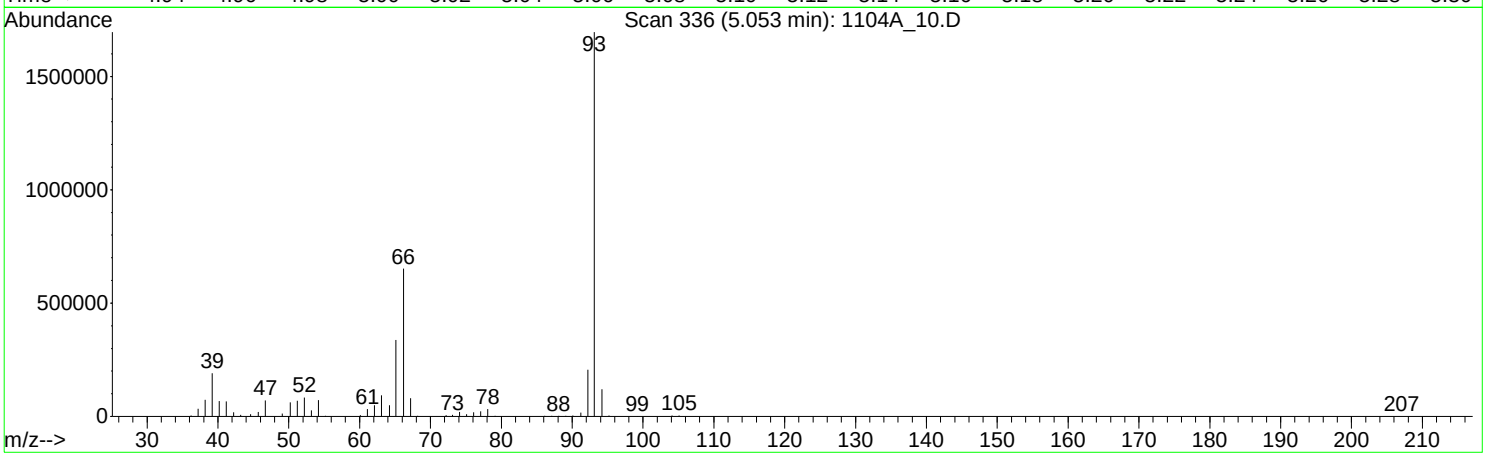
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(5) Aniline (MT)
5.05min (+0.012) 57113.8109819 ppb m

response 2275988

Ion	Exp%	Act%
93.00	100	100
66.00	37.60	28.71#
65.00	20.20	0.00#
92.00	12.40	9.58#

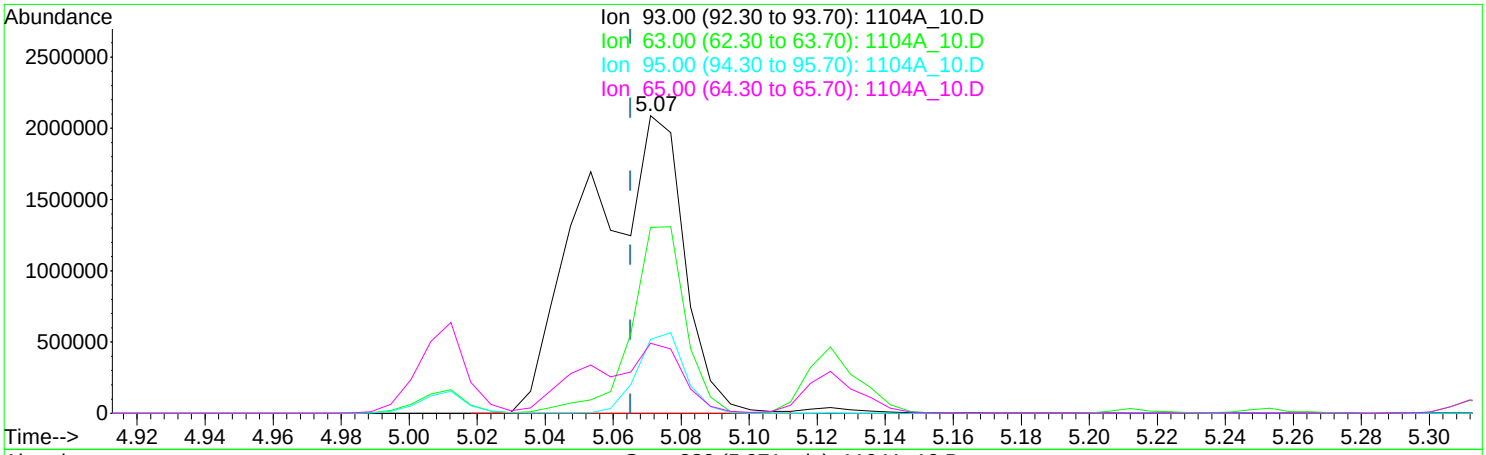
1104A_10.D S810K04K.M Sat Nov 05 13:19:33 2011

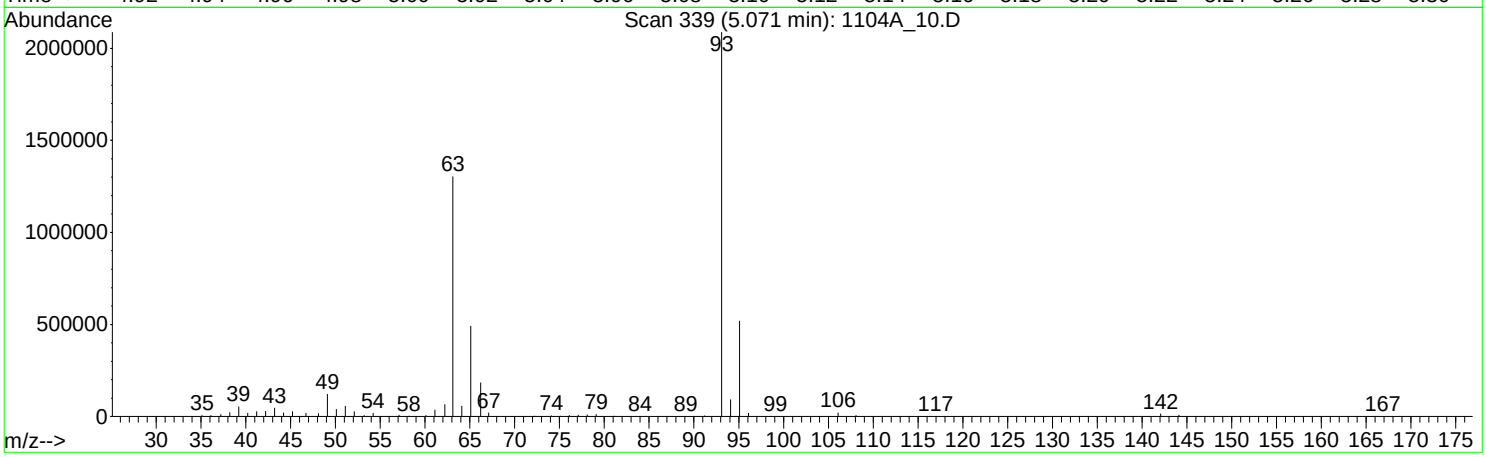
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (+0.006) 90697.8698547 ppb
Qvalue = 92
response 4091102

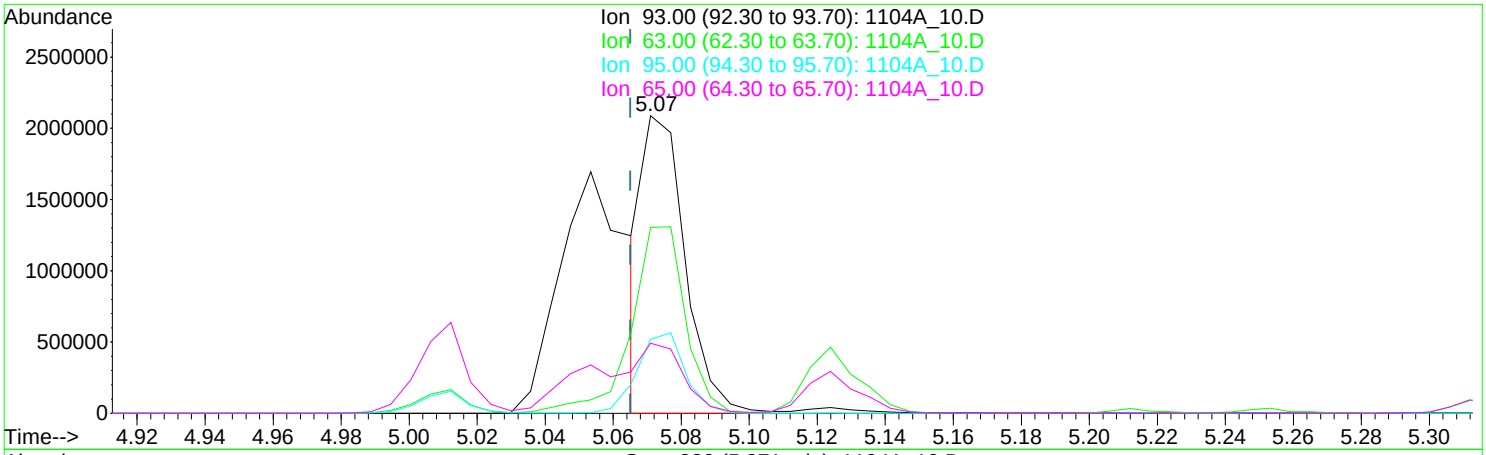
Ion	Exp%	Act%
93.00	100	100
63.00	68.70	59.72
95.00	27.50	24.84
65.00	23.30	20.93

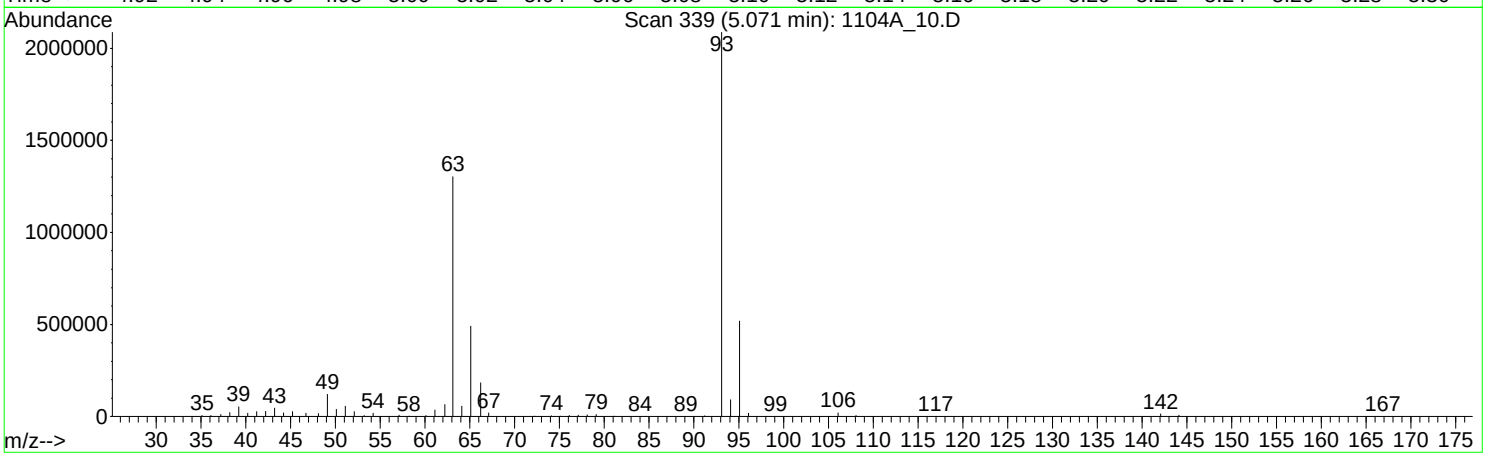
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (+0.006) 40126.1891791 ppb m

response 1809969

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	62.49
95.00	27.50	24.87
65.00	23.30	23.58

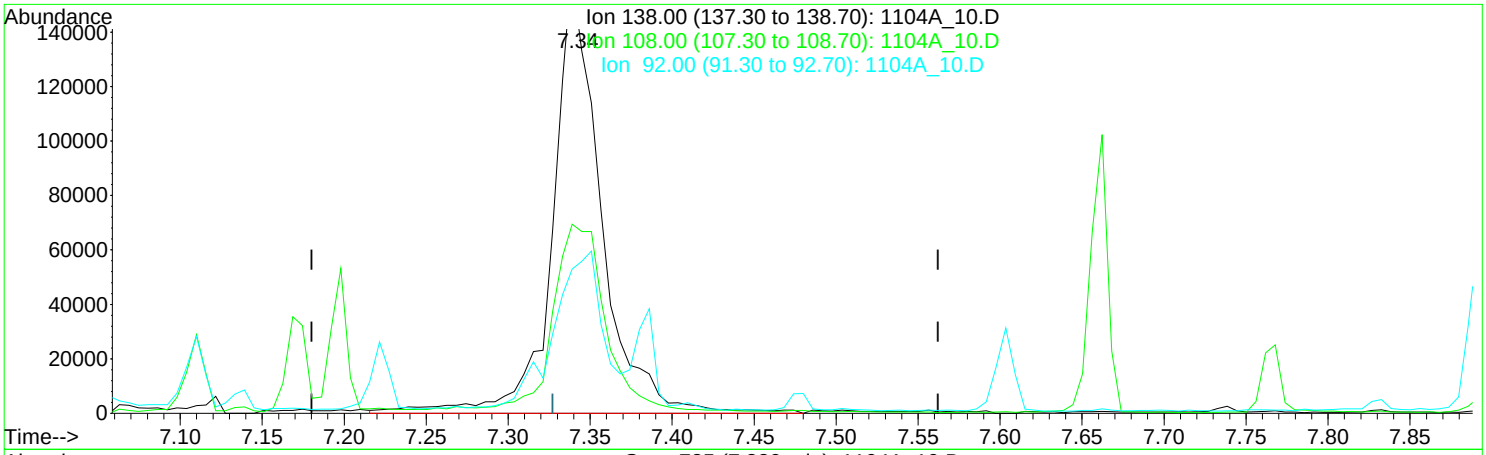
1104A_10.D S810K04K.M Sat Nov 05 13:19:40 2011

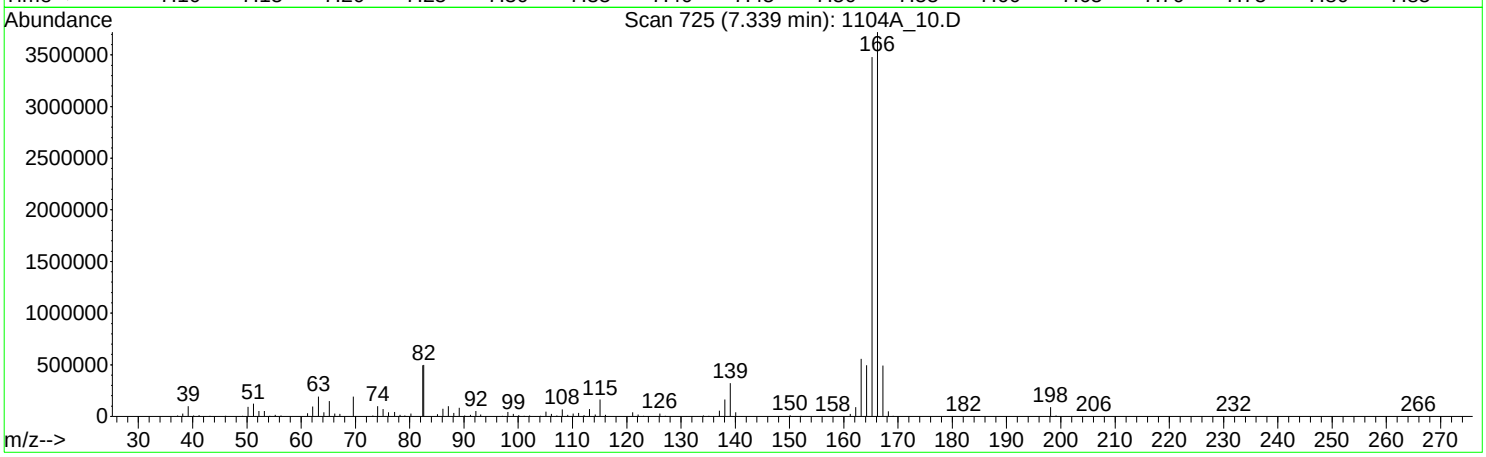
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:19 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(61) 4-Nitroaniline (MT)
7.34min (+0.012) 35606.9079733 ppb
Qvalue = 89
response 328748

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	47.13
92.00	38.30	47.61#
0.00	0.00	0.00

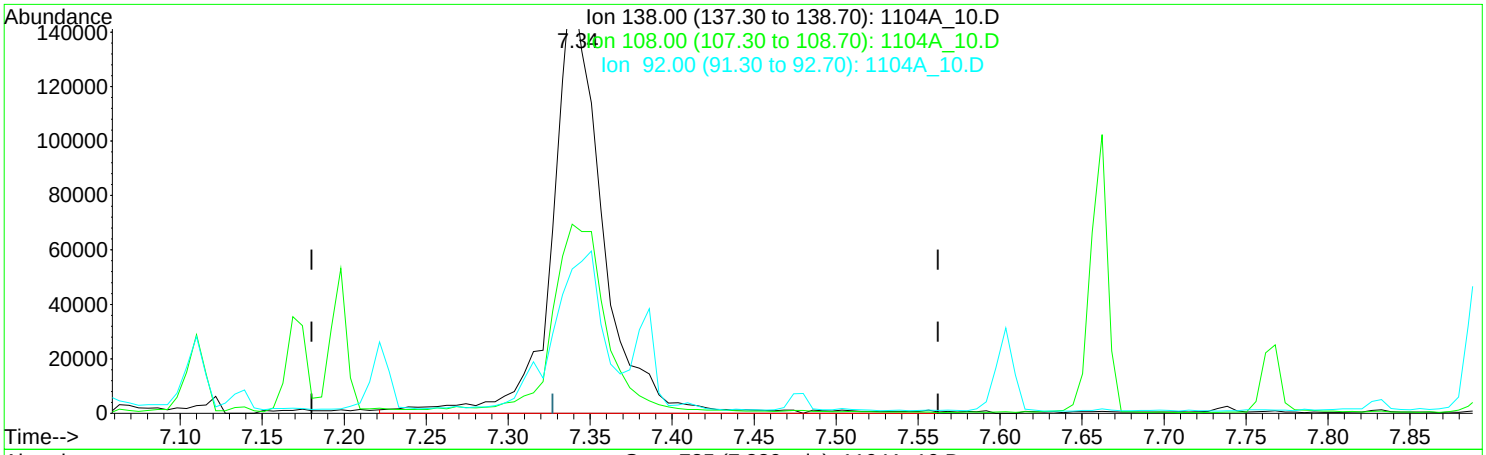
1104A_10.D S810K04K.M Sat Nov 05 13:20:46 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:20 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration



TIC: 1104A_10.D

(61) 4-Nitroaniline (MT)
7.34min (+0.012) 35998.5592662 ppb m

response 332364

Ion	Exp%	Act%
138.00	100	100
108.00	52.70	46.62
92.00	38.30	47.10#
0.00	0.00	0.00

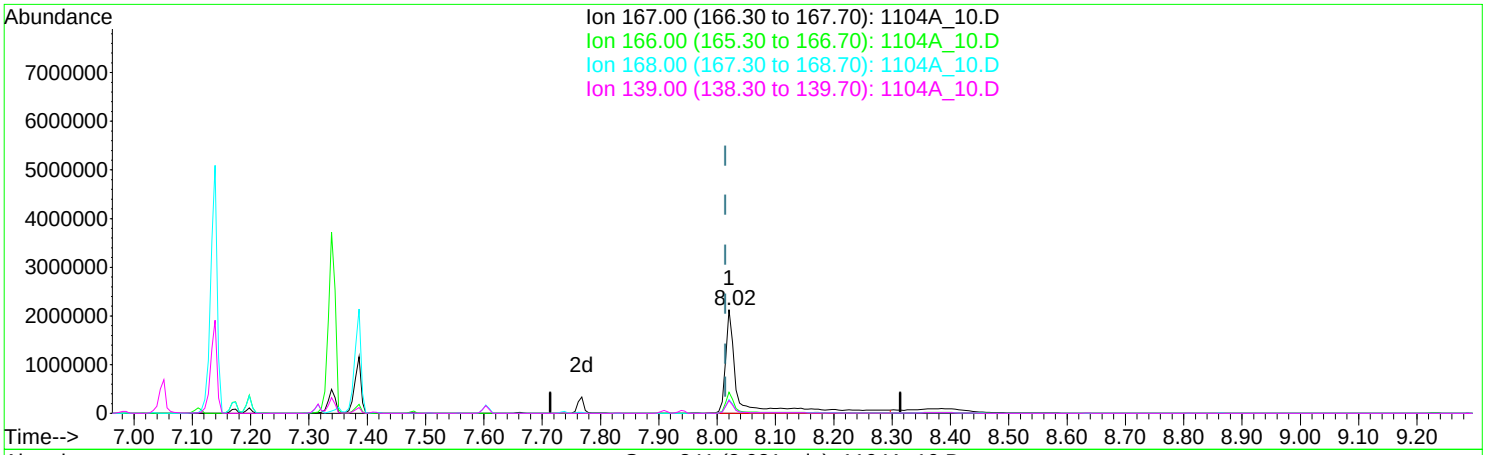
1104A_10.D S810K04K.M Sat Nov 05 13:20:50 2011

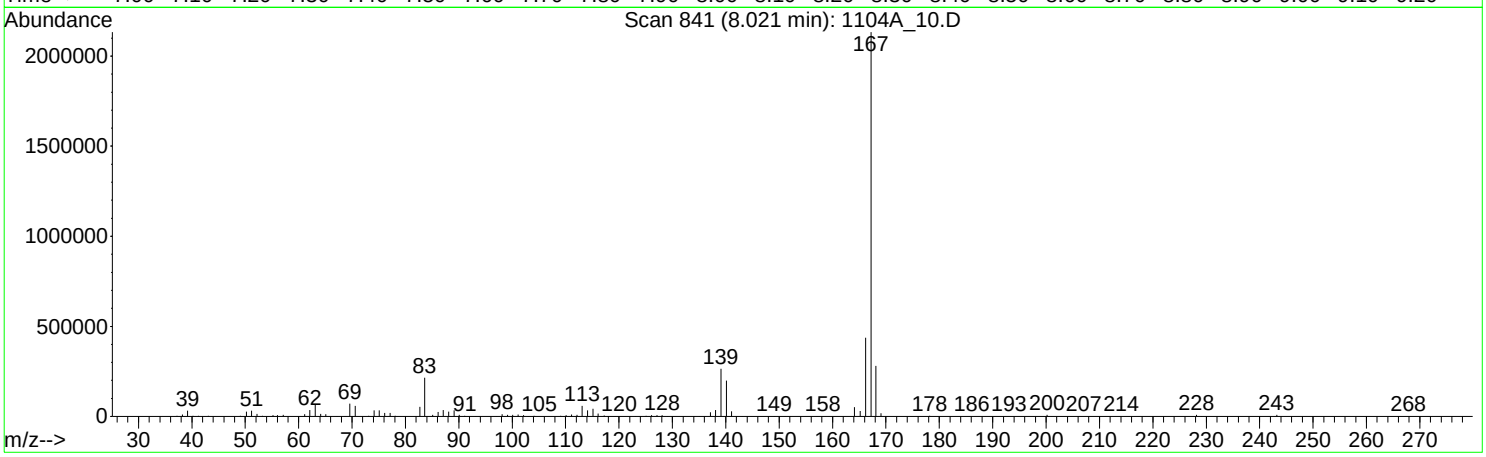
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:20 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(74) Carbazole (MT)
8.02min (+0.006) 37969.2282204 ppb
Qvalue = 100
response 3306173

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.21
168.00	13.30	13.35
139.00	11.80	12.14

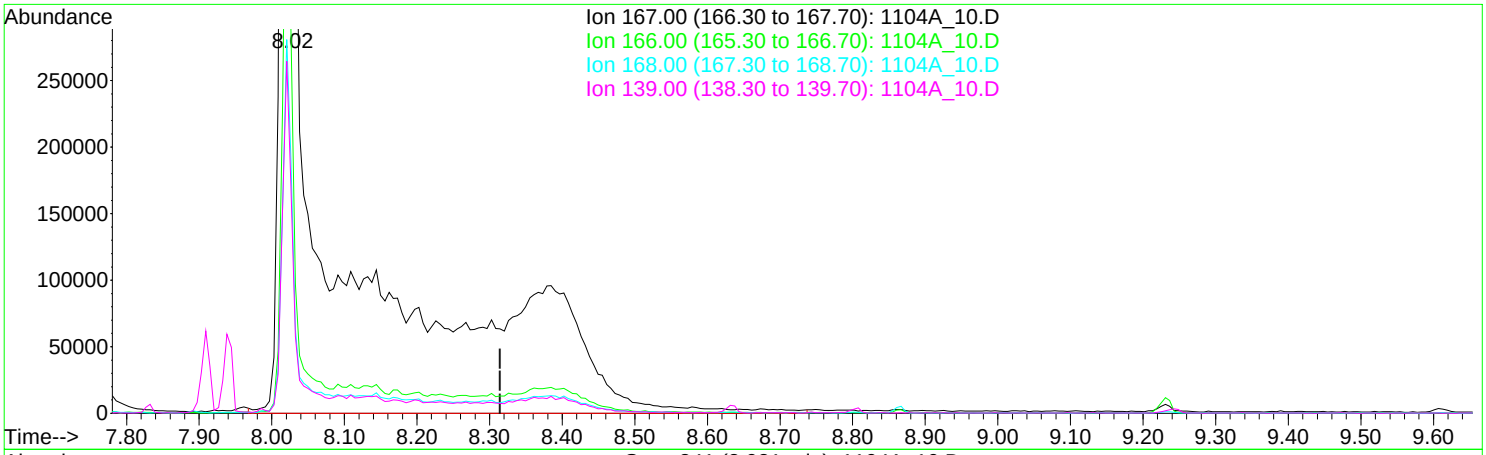
1104A_10.D S810K04K.M Sat Nov 05 13:21:00 2011

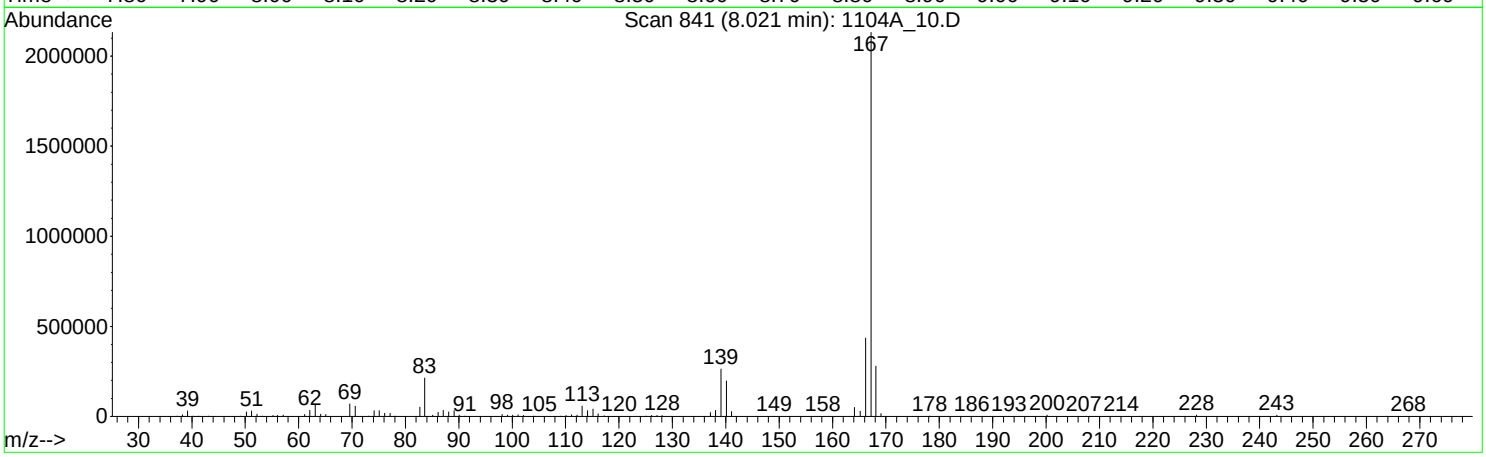
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:21 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(74) Carbazole (MT)
8.02min (+0.006) 47467.6191068 ppb m

response 4133246

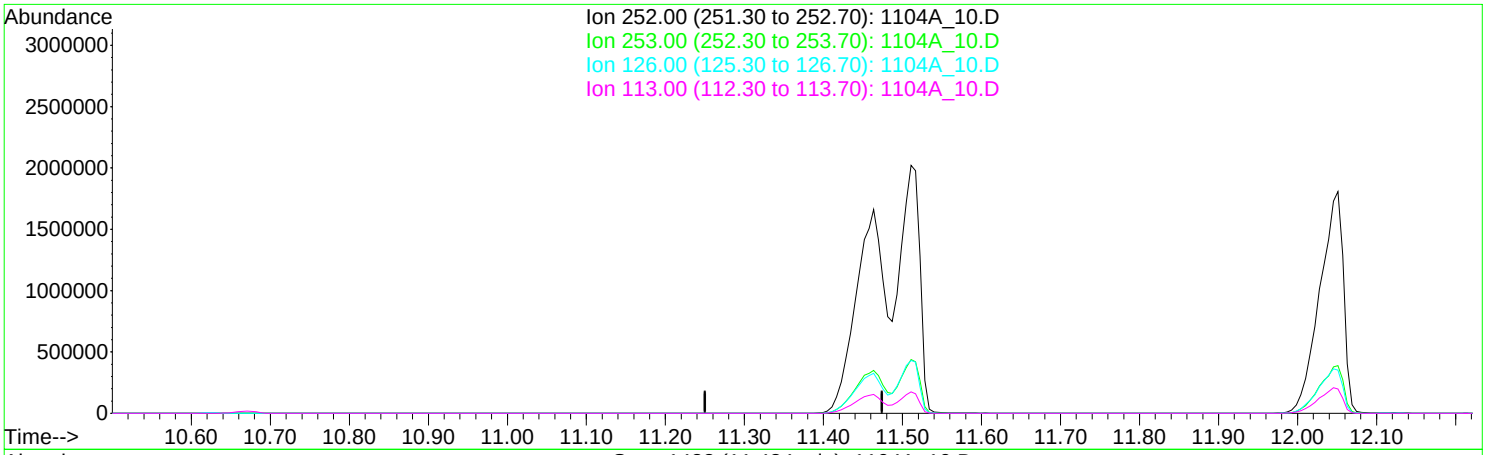
Ion	Exp%	Act%
167.00	100	100
166.00	20.00	16.17
168.00	13.30	10.68
139.00	11.80	9.71

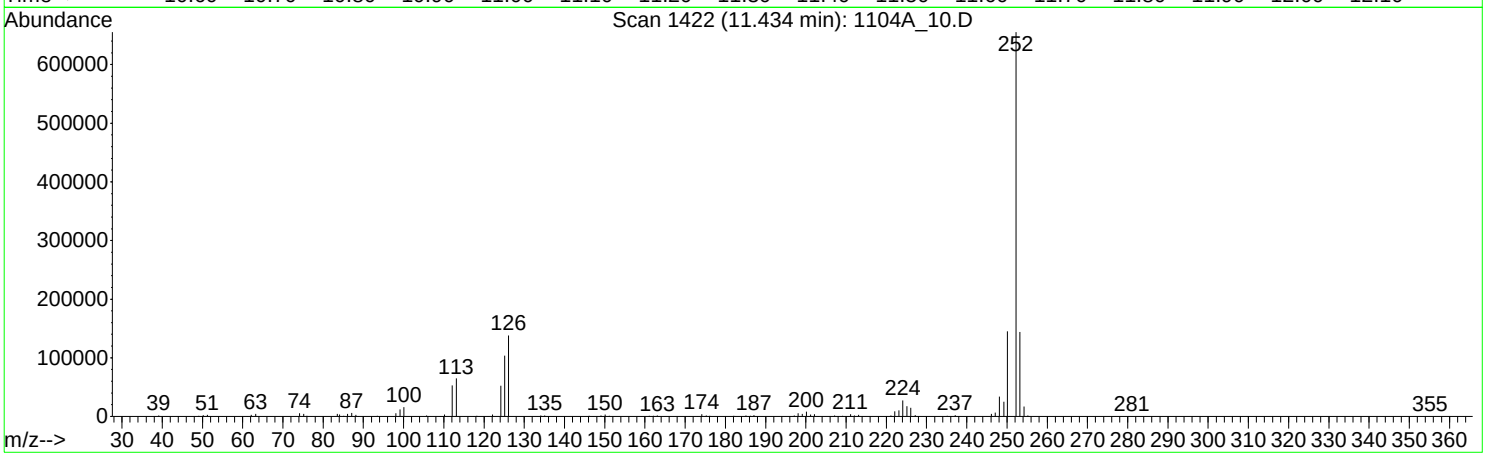
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:21 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(89) Benzo(b)fluoranthene (MT)
11.43min (-11.434) 0.0000000 ppb
Qvalue = 0
response 0

Ion	Exp%	Act%
252.00	100	0.00
253.00	21.90	0.00#
126.00	17.10	0.00
113.00	8.80	0.00

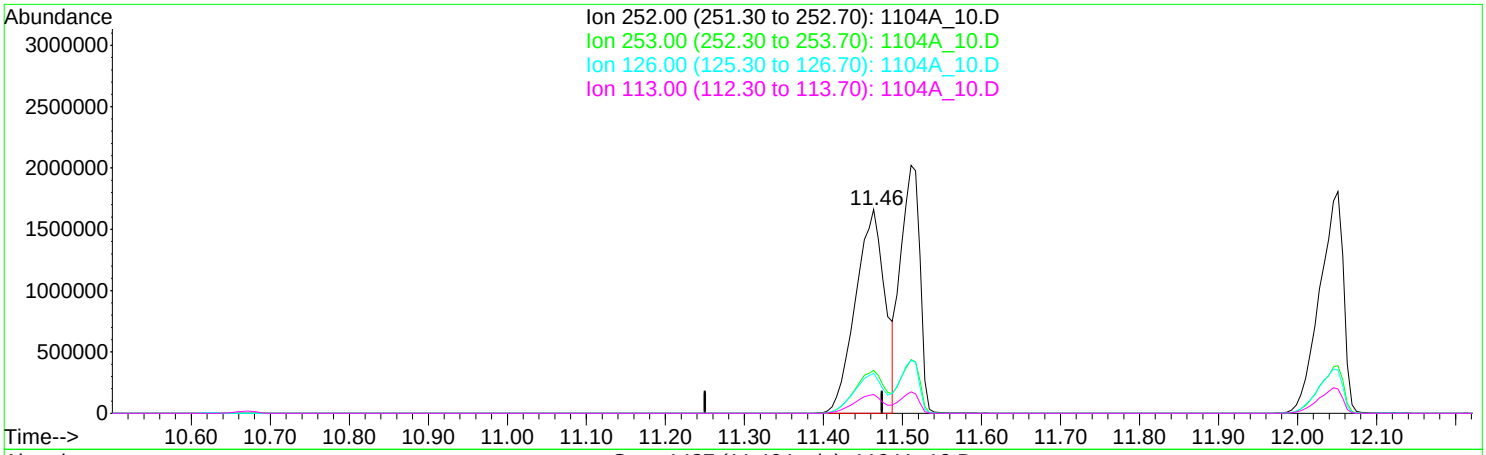
1104A_10.D S810K04K.M Sat Nov 05 13:21:49 2011

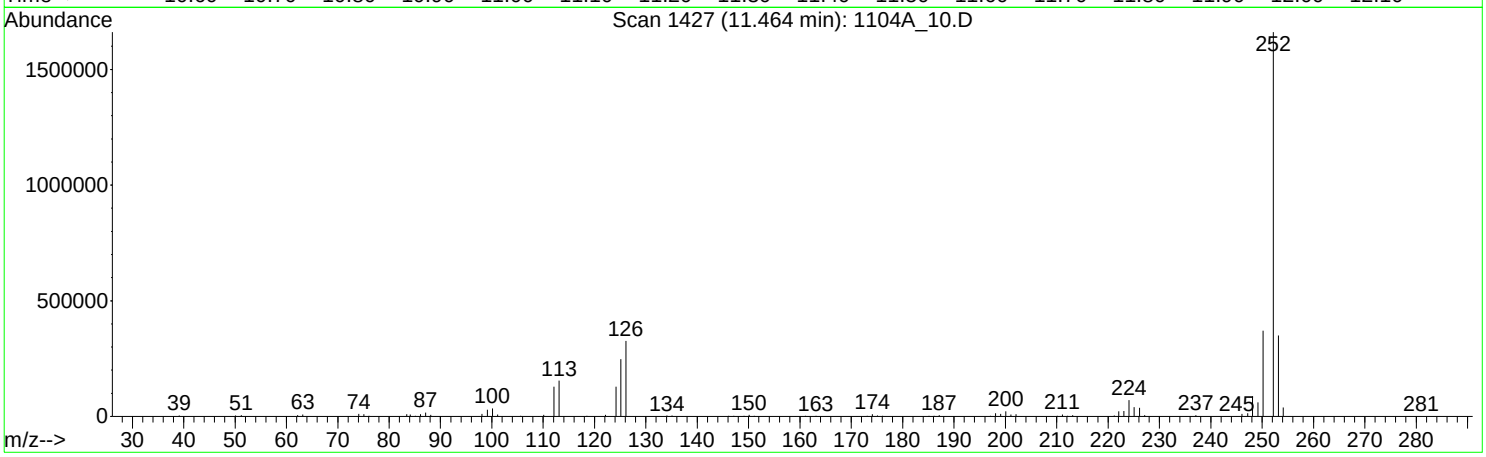
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:21 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Multiple Level Calibration





TIC: 1104A_10.D

(89) Benzo(b)fluoranthene (MT)
11.46min (+0.029) 52129.2855314 ppb m

response 4326020

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	21.11
126.00	17.10	19.67
113.00	8.80	9.30

1104A_10.D S810K04K.M Sat Nov 05 13:21:55 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377
Sample : STD SVMS 50000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:21 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	206912	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	818937	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	451651	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	771913	8000.00 ppb	0.00
78) Chrysene-d12	9.92	240	528252	8000.00 ppb	0.02
88) Perylene-d12	12.12	264	578154	8000.00 ppb	0.01

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	1849577m	49395.1911944 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 246975.96%#		
7) Phenol-d5	5.00	99	1848360	47484.8754213 ppb	0.01
Spiked Amount 20.000	Range 10 - 63		Recovery = 237424.38%#		
23) Nitrobenzene-d5	5.56	82	1776564	46301.3946922 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 463013.95%#		
44) 2-Fluorobiphenyl	6.60	172	3136521	38480.4226342 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 384804.23%#		
67) 2,4,6-Tribromophenol	7.48	330	435377	50330.6059937 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 251653.03%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 444368.24%#		

Target Compounds

					Qvalue
2) Pyridine	3.53	79	1931102m	49140.5863425 ppb	
3) N-Nitrosodimethylamine	3.52	42	850640m	48172.4074472 ppb	
5) Aniline	5.05	93	2275988m	57113.8109819 ppb	
6) bis(2-Chloroethyl)ether	5.07	93	1809969m	40126.1891791 ppb	
8) Phenol	5.01	94	2172190	46580.6041005 ppb	97
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.12	128	1774603	45393.4088124 ppb	98
11) n-Decane	5.11	41	755155	39380.0477162 ppb	100
12) 1,3-Dichlorobenzene	5.21	146	1973115	45355.3419412 ppb	94
13) 1,4-Dichlorobenzene	5.25	146	1944855	44249.7035950 ppb	98
14) Benzyl Alcohol	5.31	79	1282315	48535.7529421 ppb	99
15) 1,2-Dichlorobenzene	5.35	146	1798453	44573.0982048 ppb	99
16) bis(2-Chloroisopropyl)ethe	5.38	121	592890	45670.0412350 ppb	98
17) 2-Methylphenol	5.36	108	1569856	45637.0691274 ppb	97
18) Hexachloroethane	5.55	117	753189	47956.8676140 ppb	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377
Sample : STD SVMS 50000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:21 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.47	70	1139575	45959.6333983	ppb		87
20)	3&4-Methyl phenol	5.45	107	1821838	48549.1231677	ppb		96
21)	Acetophenone	0.00	105	0	N.D.	d		
24)	Nitrobenzene	5.58	77	1627519	45288.2914747	ppb		95
25)	Isophorone	5.72	82	3170259	45147.9760383	ppb		98
26)	2-Nitrophenol	5.76	139	887909	42613.5107371	ppb		80
27)	2,4-Dimethylphenol	5.76	107	1420303	40542.9814006	ppb		97
28)	bis(2-Chlorethoxy)methane	5.81	93	1950423	44416.3461618	ppb		99
29)	2,4-Dichlorophenol	5.90	162	1430461	46218.1561142	ppb		92
30)	Benzoic Acid	0.00	105	0	N.D.	d		
31)	1,2,4-Trichlorobenzene	5.95	180	1650223	42186.3001908	ppb		96
32)	Naphthalene	6.01	128	4648585	39503.0459602	ppb		97
33)	4-Chloroaniline	6.02	65	491134	46879.0313653	ppb		95
34)	Hexachloro-1,3-butadiene	6.06	225	791691	41320.4046069	ppb		99
35)	Caprolactam	0.00	113	0	N.D.	d		
36)	4-Chloro-3-methylphenol	6.27	107	1489592	47234.4993872	ppb		86
37)	2-Methylnaphthalene	6.40	142	3073745	41660.8349570	ppb		99
38)	1-Methylnaphthalene	6.46	142	2947004	38682.7177832	ppb		99
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41)	Hexachlorocyclopentadiene	6.48	237	634807	42414.0366908	ppb		97
42)	2,4,6-Trichlorophenol	6.55	196	1011253	44834.0186972	ppb		98
43)	2,4,5-Trichlorophenol	6.58	196	1049148	47368.2240843	ppb		88
45)	Biphenyl	6.67	154	3636731	40129.1138774	ppb		99
46)	2-Chloronaphthalene	6.69	162	2882582	40418.8299743	ppb		97
47)	2-Nitroaniline	6.74	138	1070442	50308.4197456	ppb		99
48)	Acenaphthylene	6.95	152	4356498	40154.1360170	ppb		99
49)	Dimethyl phthalate	6.83	163	3439570	43594.5264061	ppb		99
50)	2,6-Dinitrotoluene	6.87	165	832881	46134.3601720	ppb		83
51)	3-Nitroaniline	6.98	138	519711	53208.2220710	ppb		96
52)	Acenaphthene	7.04	153	2719680	37623.6282418	ppb		98
53)	2,4-Dinitrophenol	7.03	184	326365	63357.0425964	ppb	#	1
54)	Dibenzofuran	7.14	168	3969320	41741.8523161	ppb		98
55)	2,4-Dinitrotoluene	7.11	165	1094382	50201.4317252	ppb		86
57)	4-Nitrophenol	7.05	139	565676	48406.1946927	ppb		94
58)	Fluorene	7.34	166	3123788	40911.7307086	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:21 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.32	204	1585204	40952.1410107 ppb		96
60)	Diethyl phthalate	7.22	149	3231742	41641.9631765 ppb		100
61)	4-Nitroaniline	7.34	138	332364m	35998.5592662 ppb		
62)	Azobenzene	7.41	77	3345241	46755.2127717 ppb		96
63)	Atrazine	0.00	200	0	N.D. d		
65)	4,6-Dinitro-2-methylphenol	7.35	198	508086	57882.5064550 ppb	#	76
66)	N-Nitrosodiphenylamine	7.39	169	2559768	39205.3362435 ppb		99
68)	4-Bromophenyl-phenylether	7.60	248	966042	43503.0038268 ppb		96
69)	Hexachlorobenzene	7.66	284	981631	39592.8164127 ppb		99
70)	n-octadecane	7.74	55	456488	32956.6822132 ppb		95
71)	Pentachlorophenol	7.77	266	669306	54993.8392799 ppb		98
72)	Phenanthrene	7.91	178	4487112	39410.4522835 ppb		99
73)	Anthracene	7.94	178	4389310	39092.3862903 ppb		99
74)	Carbazole	8.02	167	4133246m	47467.6191068 ppb		
75)	Di-n-butyl phthalate	8.16	149	5112064	35304.8353456 ppb		98
76)	2-nitrodiphenylamine	0.00	167	0	N.D. d		
77)	Fluoranthene	8.64	202	4847428	41264.8474148 ppb		100
79)	Benzidine	0.00	184	0	N.D. d		
80)	Pyrene	8.81	202	4854008	41083.6765187 ppb		99
82)	Benzylbutyl phthalate	9.23	149	2493718	42785.0641058 ppb		96
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D. d		
84)	Benzo(a)anthracene	9.91	228	3890294	48326.8607422 ppb		99
85)	Chrysene	9.96	228	3496443	46176.2029949 ppb		98
86)	bis(2-Ethylhexyl)phthalate	9.79	149	3754837	44406.7717417 ppb		99
87)	Di-n-octyl phthalate	10.67	149	6238111	49683.5045601 ppb		99
89)	Benzo(b)fluoranthene	11.46	252	4326020m	52129.2855314 ppb		
90)	Benzo(k)fluoranthene	11.51	252	3408949	42863.2685661 ppb		98
91)	Benzo(a)pyrene	12.05	252	3792214	48425.9900923 ppb		99
92)	Indeno(1,2,3-cd)pyrene	13.85	276	4479780	44211.5020224 ppb		95
93)	Dibenz(a,h)anthracene	13.88	278	3799044	43514.6162128 ppb		94
94)	Benzo(g,h,i)perylene	14.37	276	3846141	43351.4260389 ppb		99

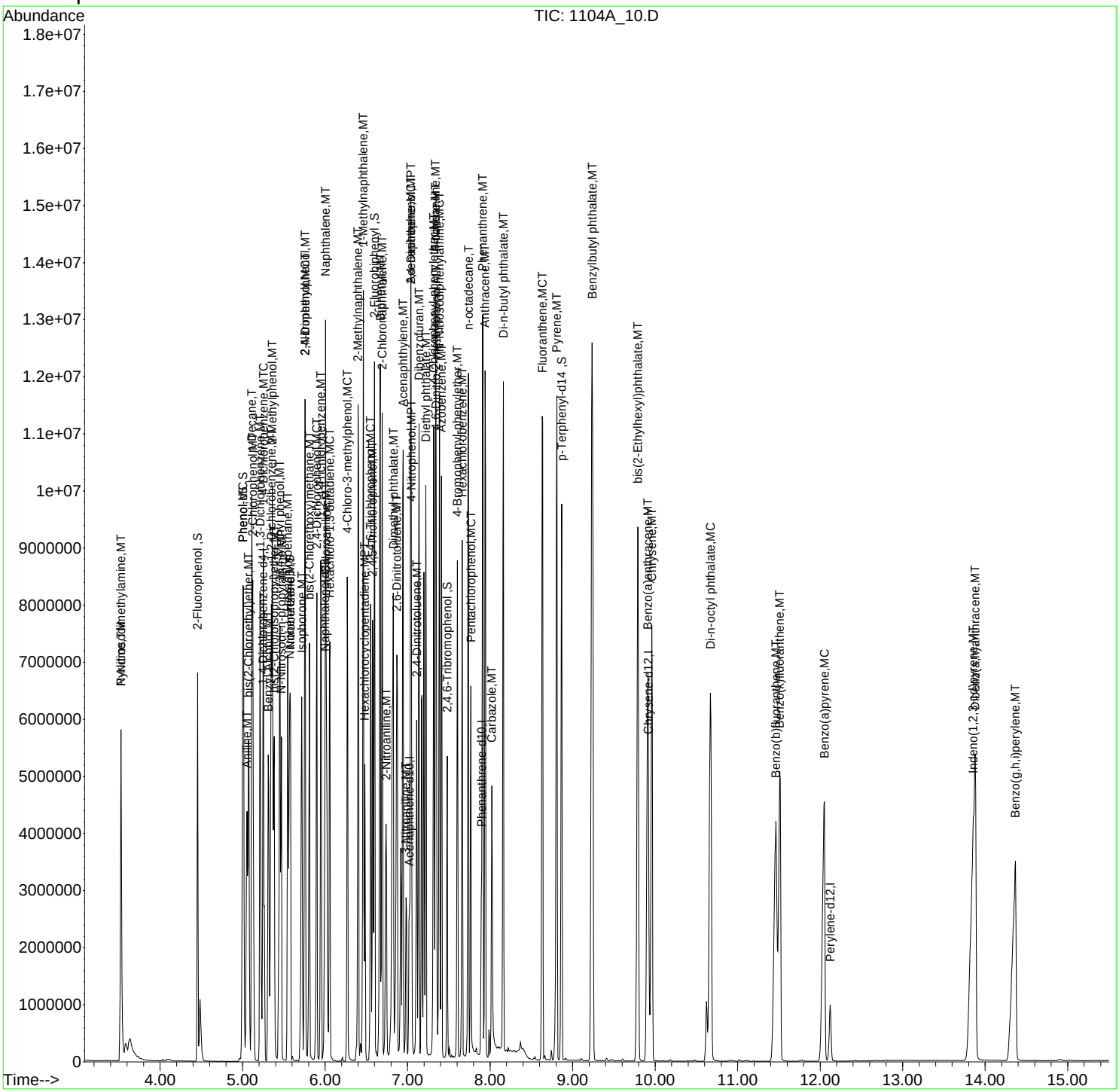
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_10.D Vial: 9
Acq On : 4 Nov 2011 10:03 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:21 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:18:56 2011
Response via : Initial Calibration

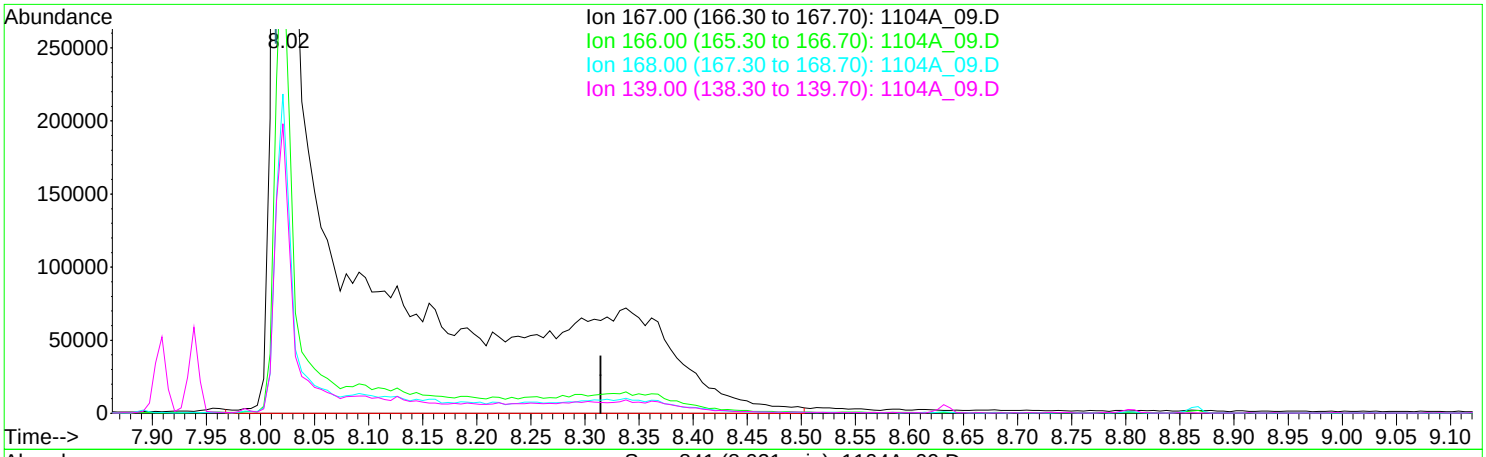


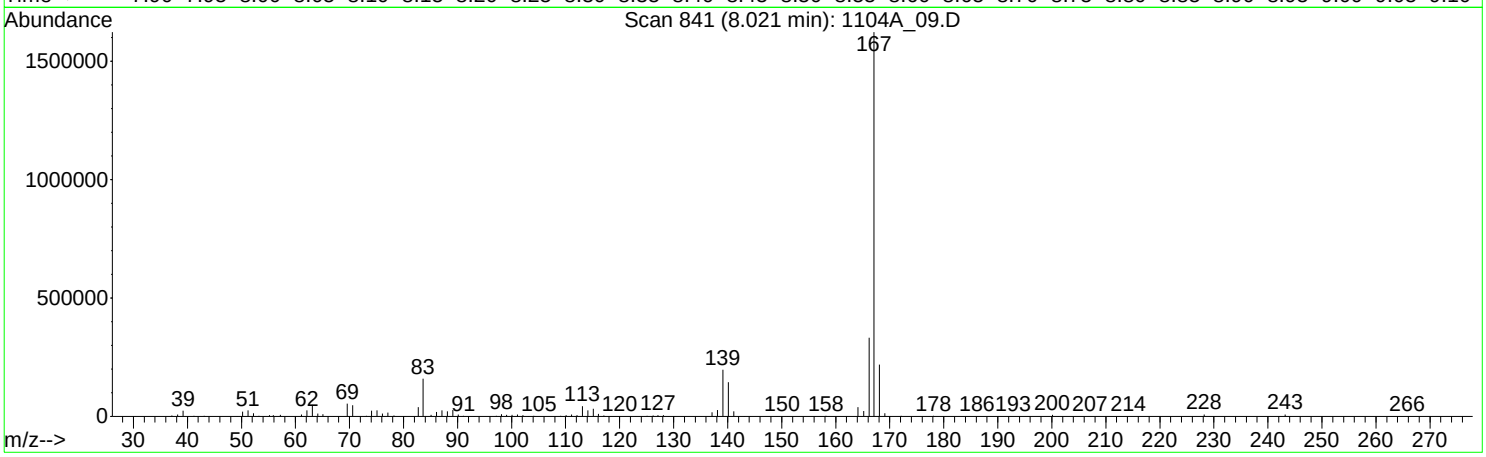
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_09.D Vial: 8
Acq On : 4 Nov 2011 9:42 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:22 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:22:09 2011
Response via : Multiple Level Calibration





TIC: 1104A_09.D

(74) Carbazole (MT)
8.02min (+0.006) 36898.6407251 ppb m

response 3133114

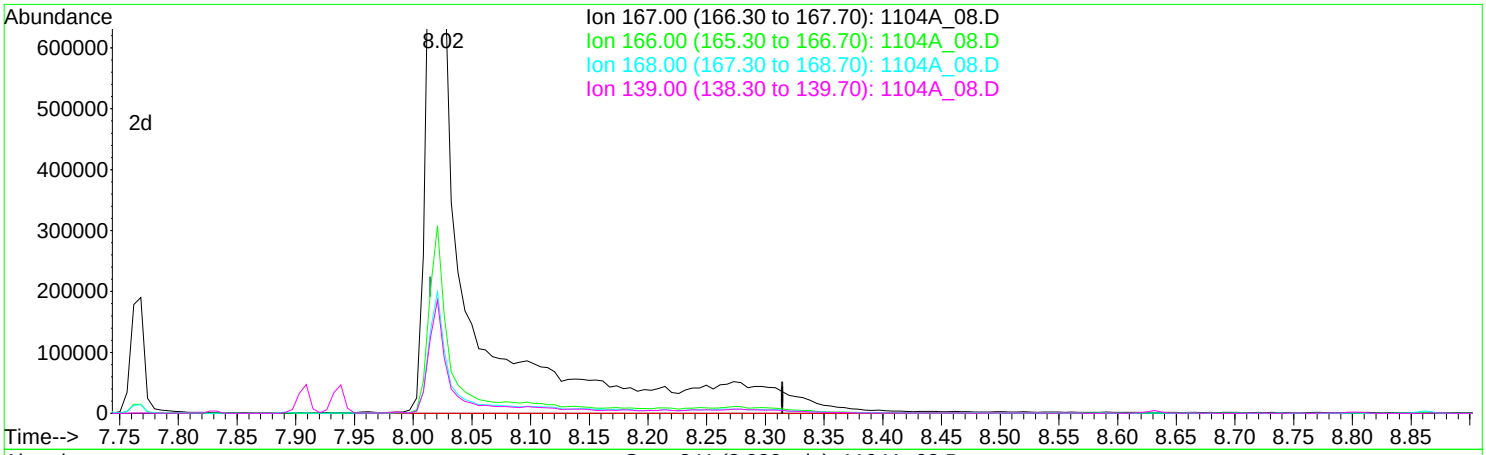
Ion	Exp%	Act%
167.00	100	100
166.00	20.00	17.33
168.00	13.30	11.44
139.00	11.80	10.19

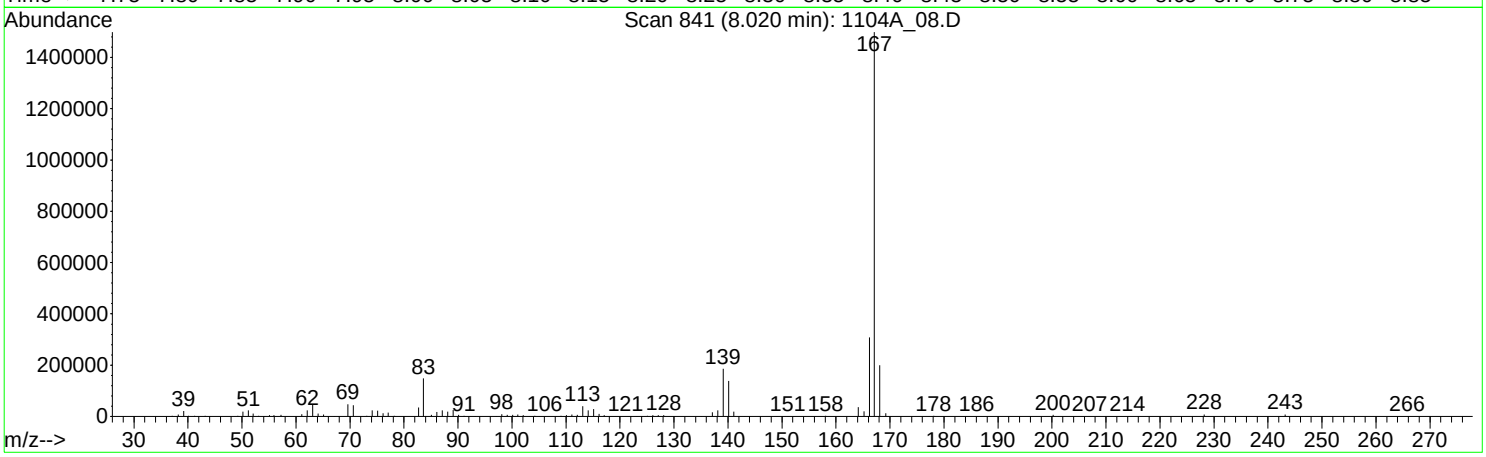
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_08.D Vial: 7
Acq On : 4 Nov 2011 9:21 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:23 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:22:55 2011
Response via : Multiple Level Calibration





TIC: 1104A_08.D

(74) Carbazole (MT)
8.02min (+0.006) 28610.0670482 ppb m

response 2549138

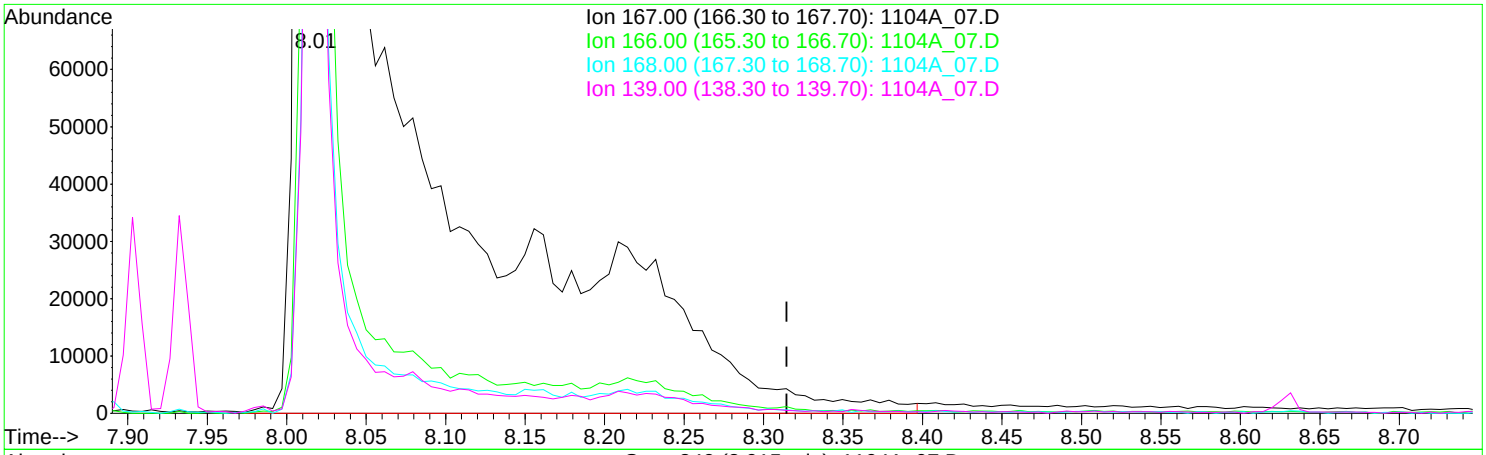
Ion	Exp%	Act%
167.00	100	100
166.00	20.00	18.85
168.00	13.30	12.48
139.00	11.80	11.02

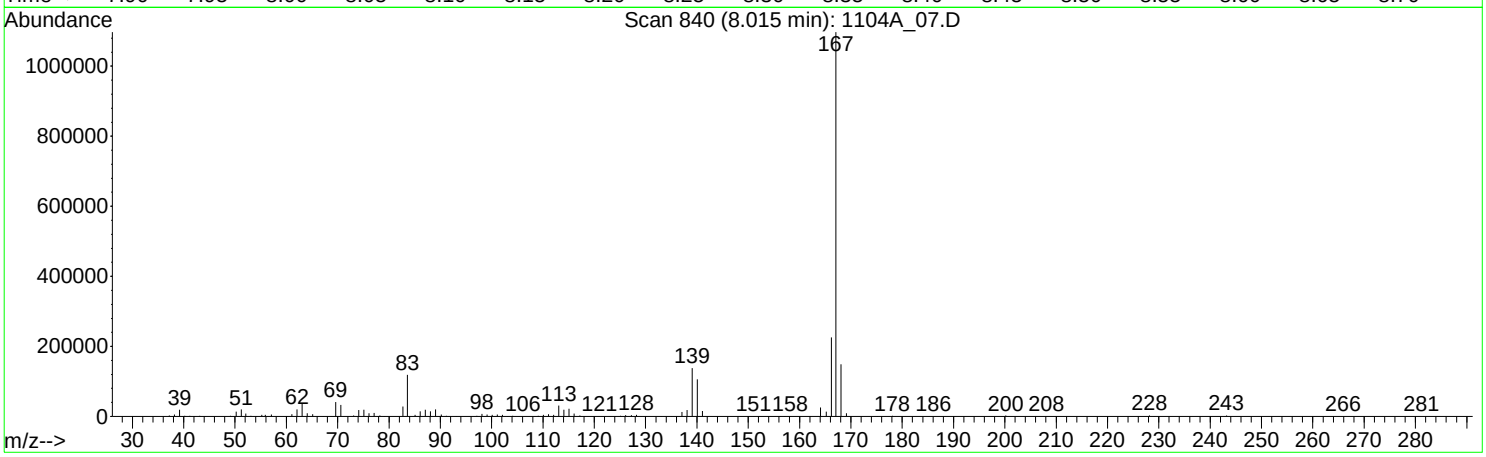
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_07.D Vial: 6
Acq On : 4 Nov 2011 9:00 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:23 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:23:19 2011
Response via : Multiple Level Calibration





TIC: 1104A_07.D

(74) Carbazole (MT)
8.01min (+0.000) 19256.9039717 ppb m

response 1670716

Ion	Exp%	Act%
167.00	100	100
166.00	20.00	20.22
168.00	13.30	13.34
139.00	11.80	12.25

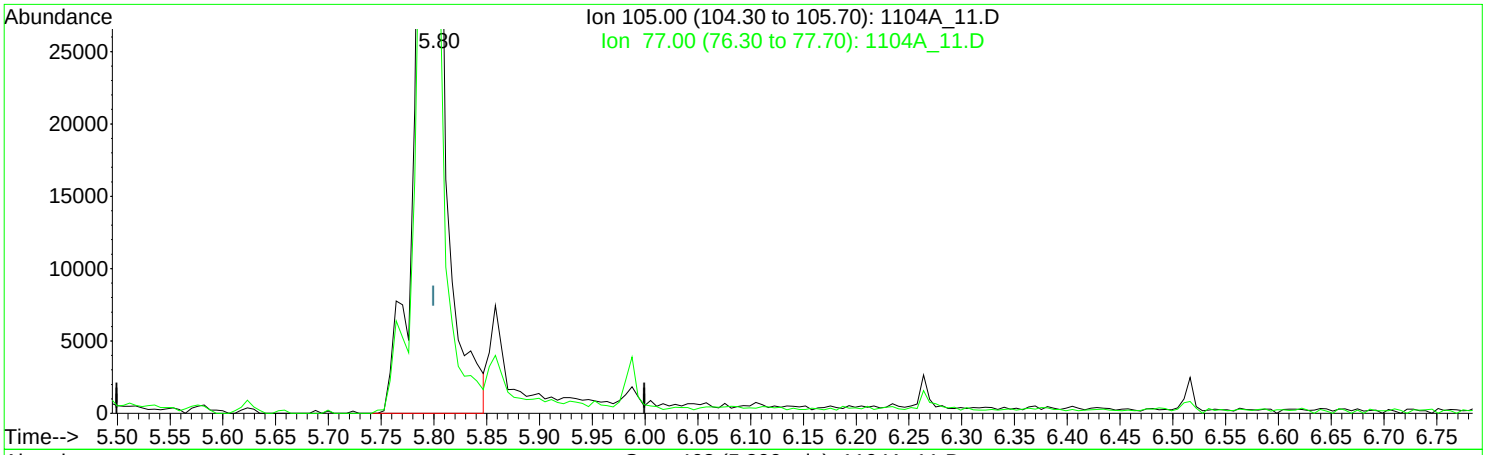
1104A_07.D S810K04K.M Sat Nov 05 13:23:38 2011

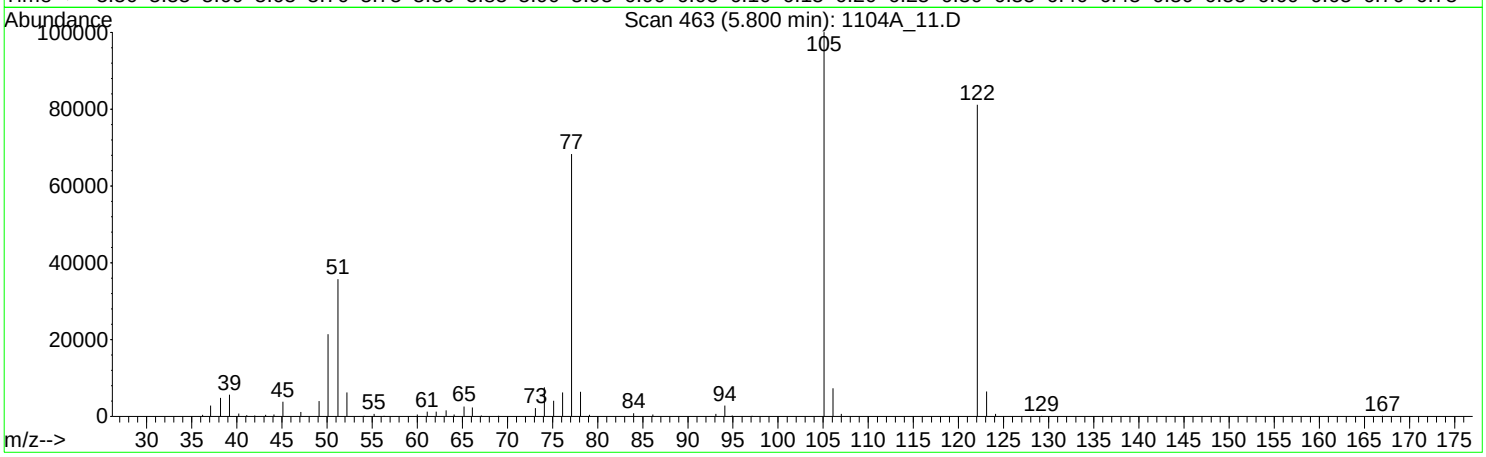
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:44:07 2011
Response via : Single Level Calibration





TIC: 1104A_11.D

(30) Benzoic Acid (MT)
5.80min (0.000) 0.0000000 ppb
Qvalue = 93
response 136813

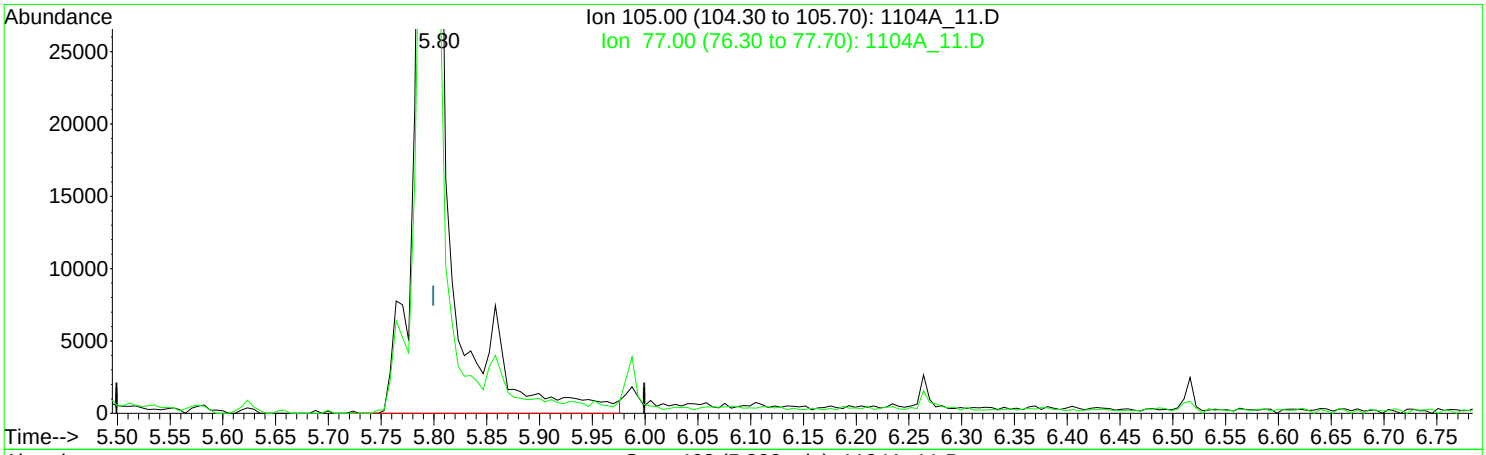
Ion	Exp%	Act%
105.00	100	100
77.00	64.80	70.63
0.00	0.00	0.00
0.00	0.00	0.00

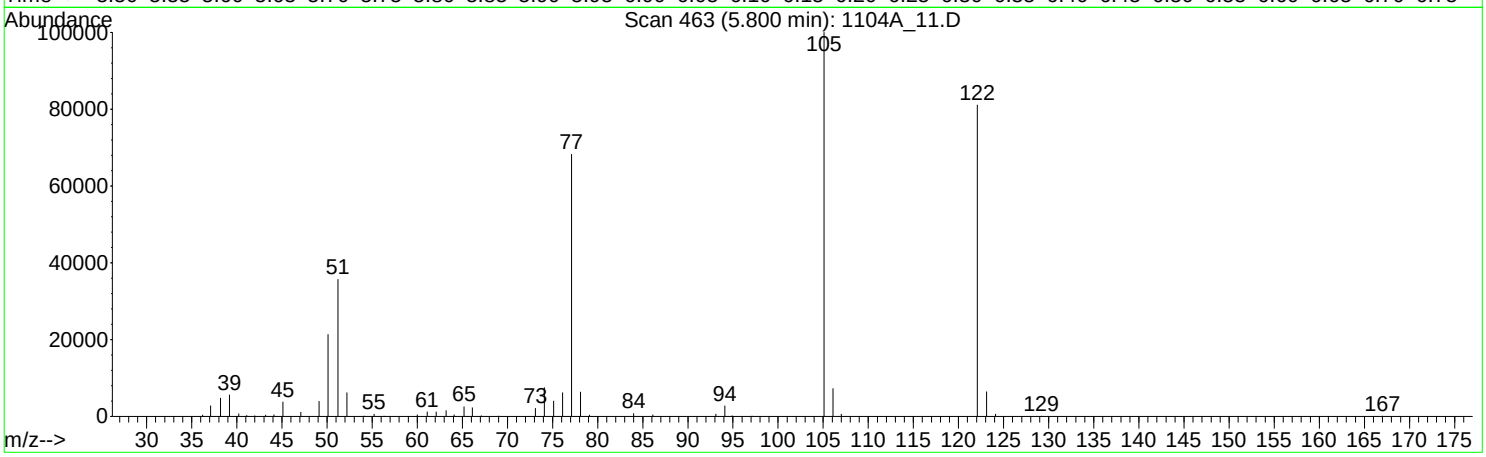
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:44:07 2011
Response via : Single Level Calibration





TIC: 1104A_11.D

(30) Benzoic Acid (MT)
5.80min (0.000) 0.0000000 ppb m

response 149775

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	64.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377
Sample : STD TCL 10000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:47 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	206130	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	781224	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	428053	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	664381	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	464122	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	478658	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	0.00	99	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#		
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#		
44) 2-Fluorobiphenyl	0.00	172	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D. d	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	4.99	105	281851	10000.0000000 ppb	100
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D. d	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D. d	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D. d	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:47 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	
20)	3&4-Methyl phenol	0.00	107	0	N.D. d	
21)	Acetophenone	5.46	105	426284	10000.0000000 ppb	100
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.80	105	149775	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.21	113	104737	10000.0000000 ppb	100
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	298815	10000.0000000 ppb	100
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D. d	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D.	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	0.00	138	0	N.D. d	
52)	Acenaphthene	0.00	153	0	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.19	232	115681	10000.0000000 ppb	100
57)	4-Nitrophenol	0.00	139	0	N.D. d	
58)	Fluorene	0.00	166	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:47 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	d	
60)	Diethyl phthalate	0.00	149	0	N.D.	d	
61)	4-Nitroaniline	0.00	138	0	N.D.	d	
62)	Azobenzene	0.00	77	0	N.D.	d	
63)	Atrazine	7.66	200	194643	10000.0000000	ppb	100
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	d	
69)	Hexachlorobenzene	0.00	284	0	N.D.		
70)	n-octadecane	0.00	55	0	N.D.	d	
71)	Pentachlorophenol	0.00	266	0	N.D.	d	
72)	Phenanthrene	0.00	178	0	N.D.	d	
73)	Anthracene	0.00	178	0	N.D.	d	
74)	Carbazole	0.00	167	0	N.D.	d	
75)	Di-n-butyl phthalate	0.00	149	0	N.D.	d	
76)	2-nitrodiphenylamine	8.28	167	183531	10000.0000000	ppb	100
77)	Fluoranthene	0.00	202	0	N.D.	d	
79)	Benzidine	8.68	184	365576	10000.0000000	ppb	100
80)	Pyrene	0.00	202	0	N.D.	d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D.	d	
83)	3,3-Dichlorobenzidine	9.82	252	160876	10000.0000000	ppb	100
84)	Benzo(a)anthracene	0.00	228	0	N.D.	d	
85)	Chrysene	0.00	228	0	N.D.	d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D.	d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D.	d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	d	
91)	Benzo(a)pyrene	0.00	252	0	N.D.	d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	d	

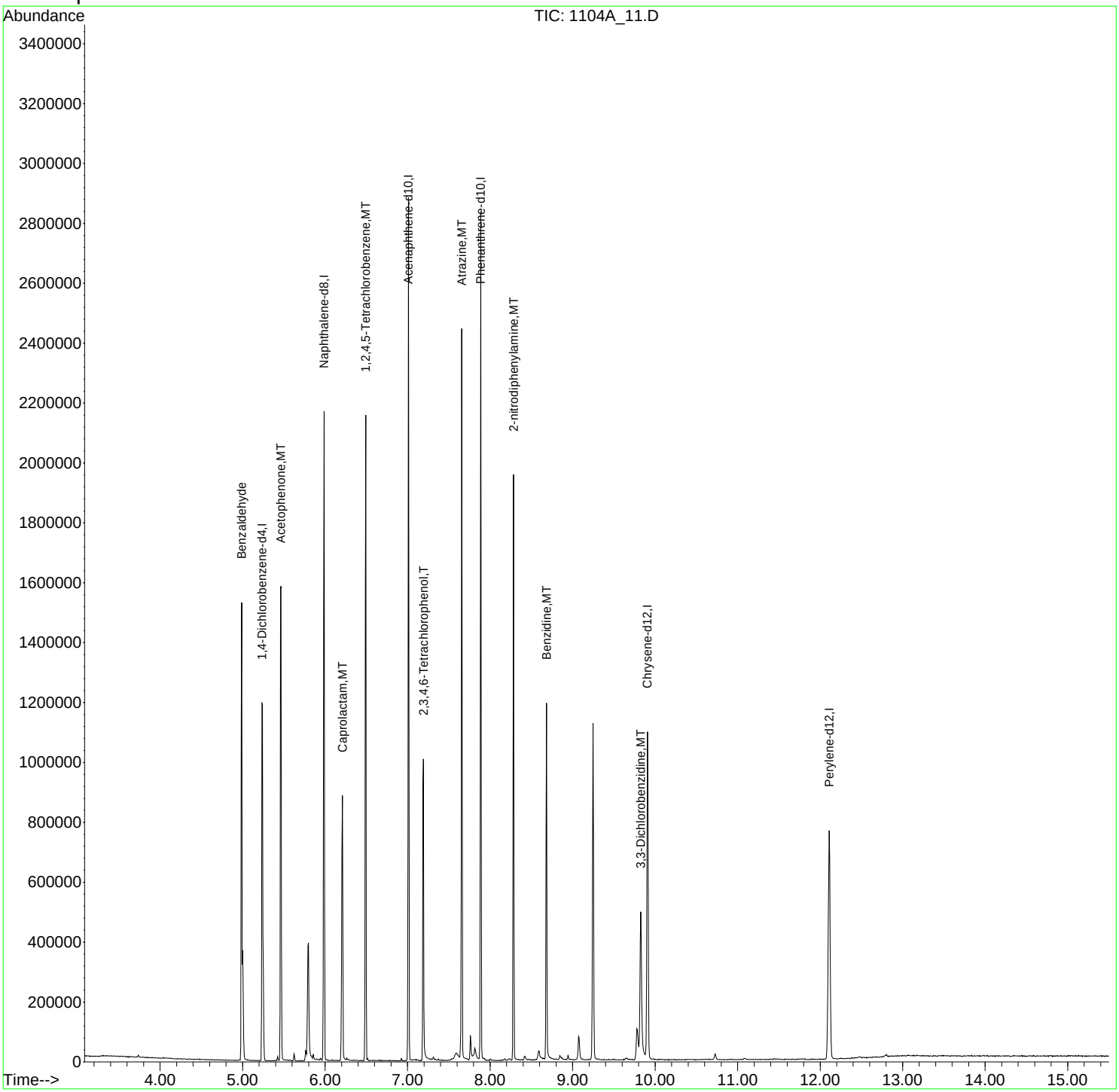
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:47 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:44:07 2011
Response via : Initial Calibration

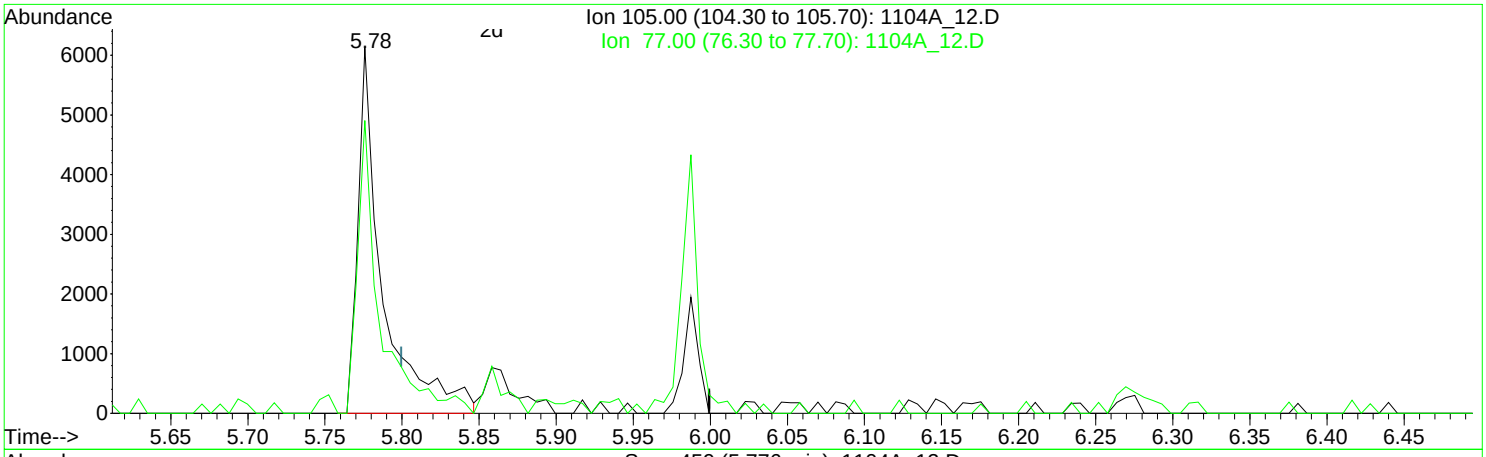


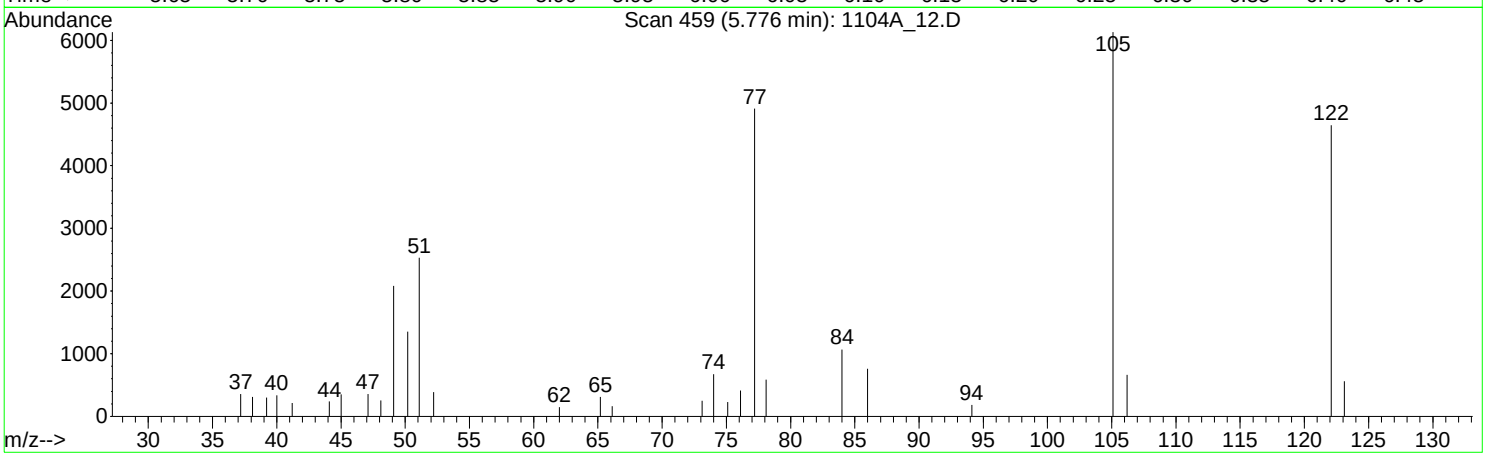
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_12.D Vial: 11
Acq On : 4 Nov 2011 10:45 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:44:07 2011
Response via : Single Level Calibration





TIC: 1104A_12.D

(30) Benzoic Acid (MT)
5.78min (-0.024) 0.0000000 ppb
Qvalue = 89
response 6823

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	73.38
0.00	0.00	0.00
0.00	0.00	0.00

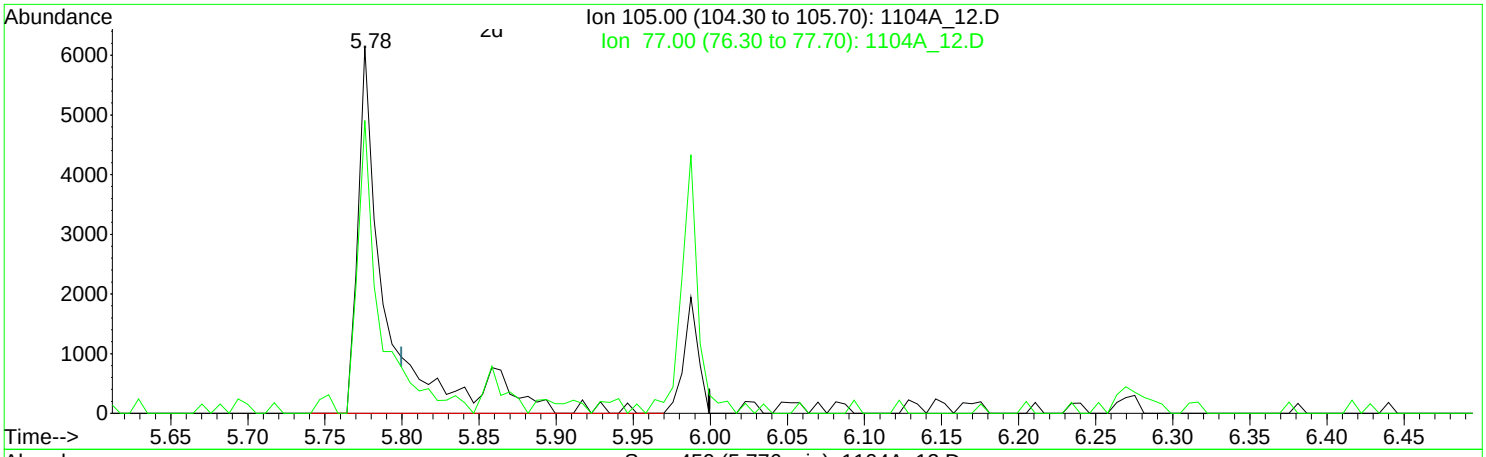
1104A_12.D S810K04K.M Sat Nov 05 13:51:26 2011

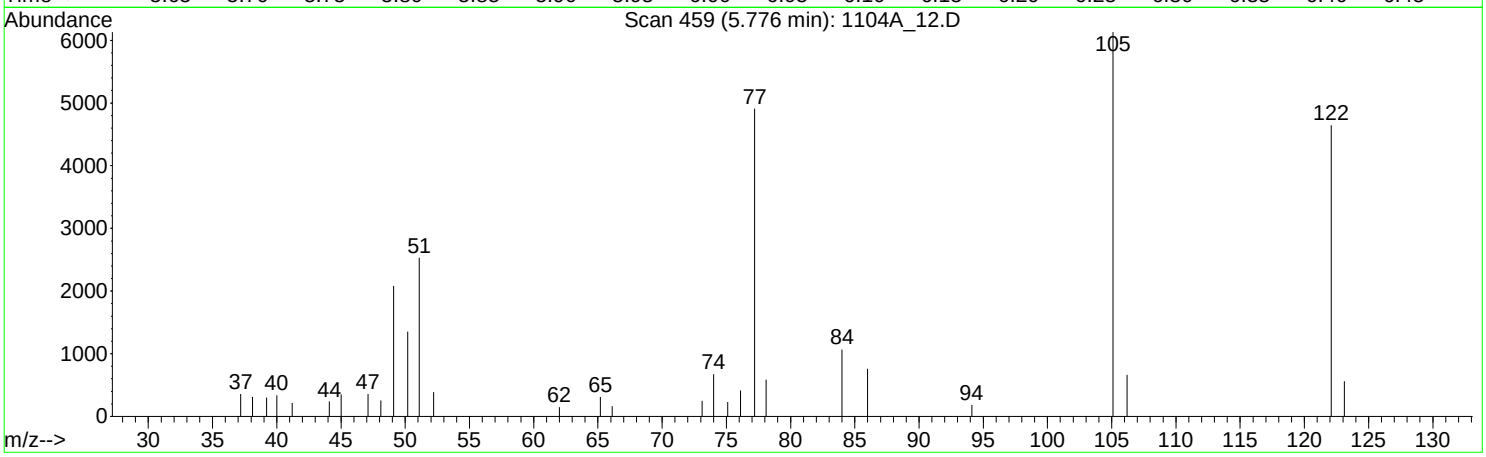
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_12.D Vial: 11
Acq On : 4 Nov 2011 10:45 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:44:07 2011
Response via : Single Level Calibration





TIC: 1104A_12.D

(30) Benzoic Acid (MT)
5.78min (-0.024) 0.0000000 ppb m

response 8118

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	61.68
0.00	0.00	0.00
0.00	0.00	0.00

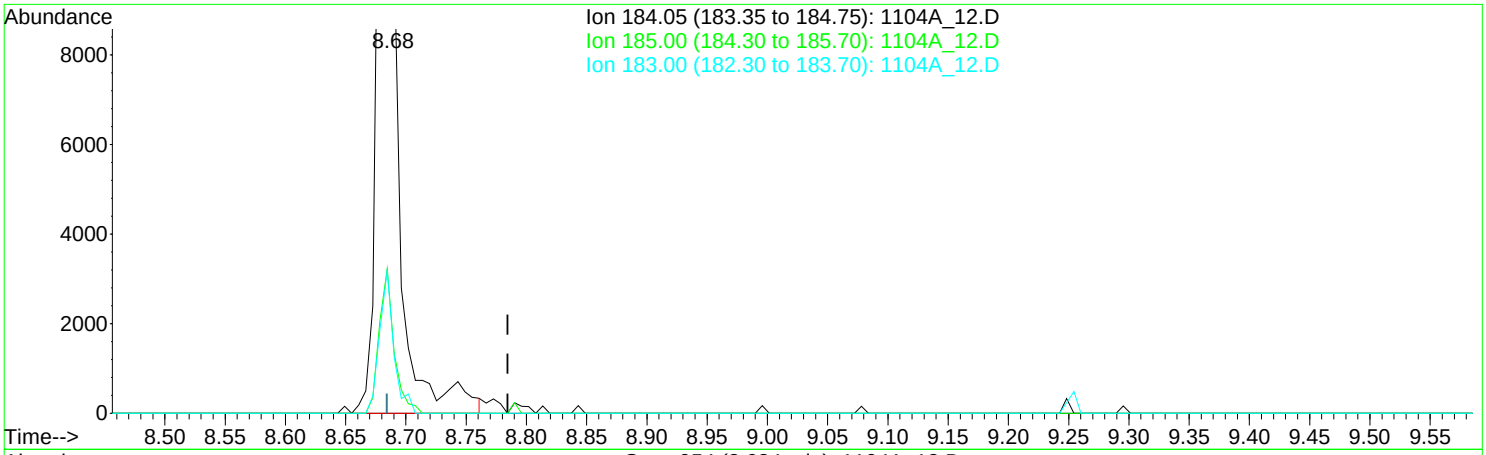
1104A_12.D S810K04K.M Sat Nov 05 13:51:29 2011

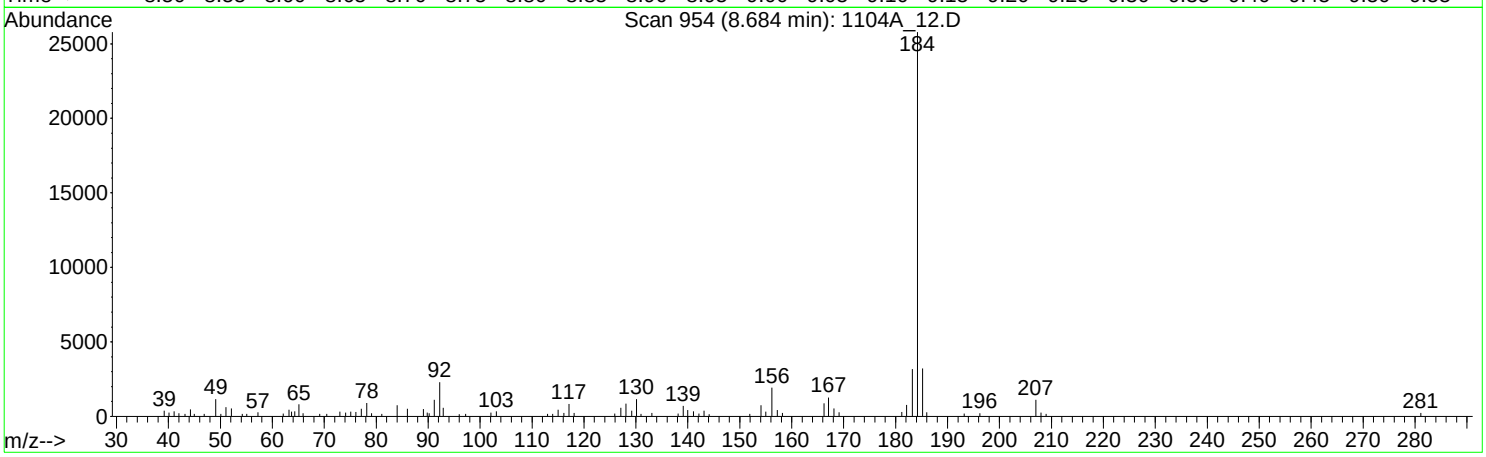
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_12.D Vial: 11
Acq On : 4 Nov 2011 10:45 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:44:07 2011
Response via : Single Level Calibration





TIC: 1104A_12.D

(79) Benzidine (MT)
8.68min (-0.000) 632.9627738 ppb
Qvalue = 97
response 22809

Ion	Exp%	Act%
184.05	100	100
185.00	13.70	12.16
183.00	11.90	11.49
0.00	0.00	0.00

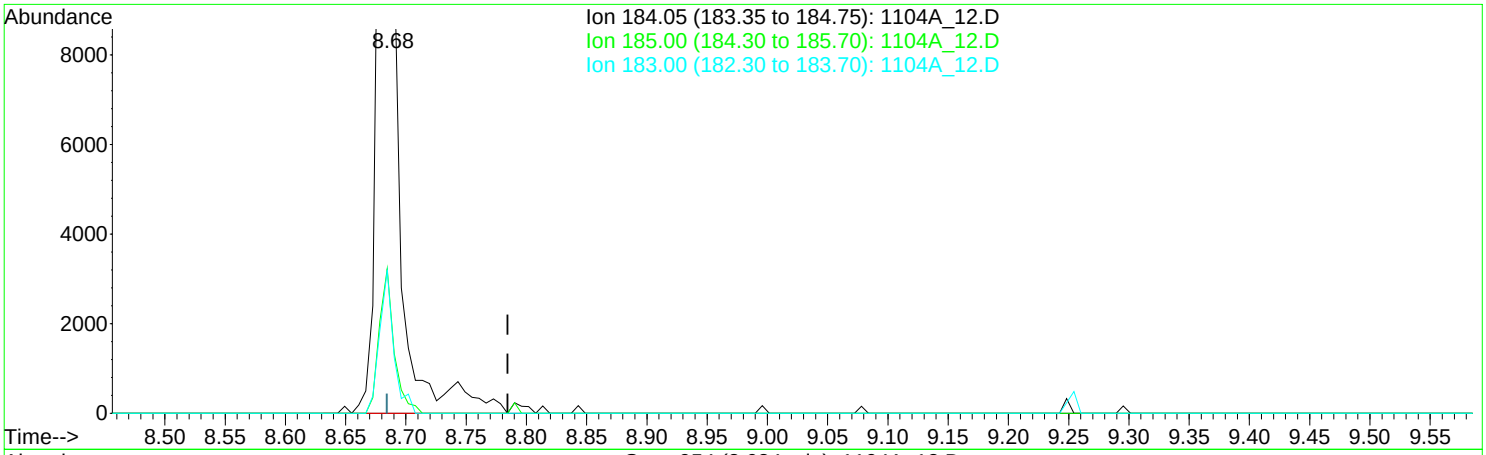
1104A_12.D S810K04K.M Sat Nov 05 13:51:50 2011

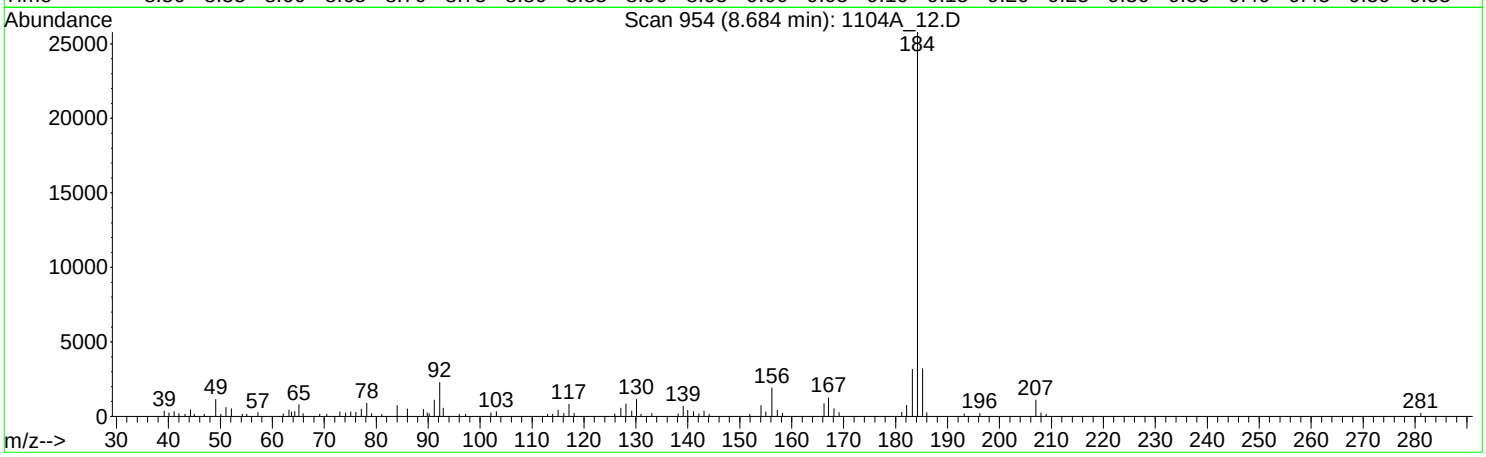
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_12.D Vial: 11
Acq On : 4 Nov 2011 10:45 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:44:07 2011
Response via : Single Level Calibration





TIC: 1104A_12.D

(79) Benzidine (MT)
8.68min (-0.000) 640.4276774 ppb m

response 23078

Ion	Exp%	Act%
184.05	100	100
185.00	13.70	12.02
183.00	11.90	11.36
0.00	0.00	0.00

1104A_12.D S810K04K.M Sat Nov 05 13:51:54 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_12.D Vial: 11
Acq On : 4 Nov 2011 10:45 pm Operator: 377
Sample : STD TCL 1000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:51 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	213285	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	817928	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	448158	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	683058	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	457491	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	444507	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	0.00	99	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#		
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#		
44) 2-Fluorobiphenyl	0.00	172	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D. d	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D.	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	4.99	105	30491	1045.5215238 ppb	97
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D. d	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D. d	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D. d	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_12.D Vial: 11
Acq On : 4 Nov 2011 10:45 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:51 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20)	3&4-Methyl phenol	0.00	107	0	N.D. d	
21)	Acetophenone	5.46	105	46865	1062.5037684 ppb	96
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.78	105	8118	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35)	Caprolactam	6.20	113	9776	891.5004443 ppb	92
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	33702	1077.2432487 ppb	99
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D. d	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D. d	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51)	3-Nitroaniline	0.00	138	0	N.D. d	
52)	Acenaphthene	0.00	153	0	N.D. d	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.19	232	10364	855.7201564 ppb	93
57)	4-Nitrophenol	0.00	139	0	N.D. d	
58)	Fluorene	0.00	166	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_12.D Vial: 11
Acq On : 4 Nov 2011 10:45 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:51 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D. d	
62)	Azobenzene	0.00	77	0	N.D. d	
63)	Atrazine	7.66	200	20141	988.3451412 ppb	97
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D. d	
69)	Hexachlorobenzene	0.00	284	0	N.D. d	
70)	n-octadecane	0.00	55	0	N.D. d	
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	0.00	178	0	N.D. d	
73)	Anthracene	0.00	178	0	N.D. d	
74)	Carbazole	0.00	167	0	N.D. d	
75)	Di-n-butyl phthalate	0.00	149	0	N.D. d	
76)	2-nitrodiphenylamine	8.28	167	15177	804.3334404 ppb	91
77)	Fluoranthene	0.00	202	0	N.D. d	
79)	Benzidine	8.68	184	23078m	640.4276774 ppb	
80)	Pyrene	0.00	202	0	N.D. d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D. d	
83)	3,3-Dichlorobenzidine	9.82	252	19819	1249.7987282 ppb	99
84)	Benzo(a)anthracene	0.00	228	0	N.D. d	
85)	Chrysene	0.00	228	0	N.D. d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D. d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D. d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D. d	
91)	Benzo(a)pyrene	0.00	252	0	N.D. d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D. d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D. d	

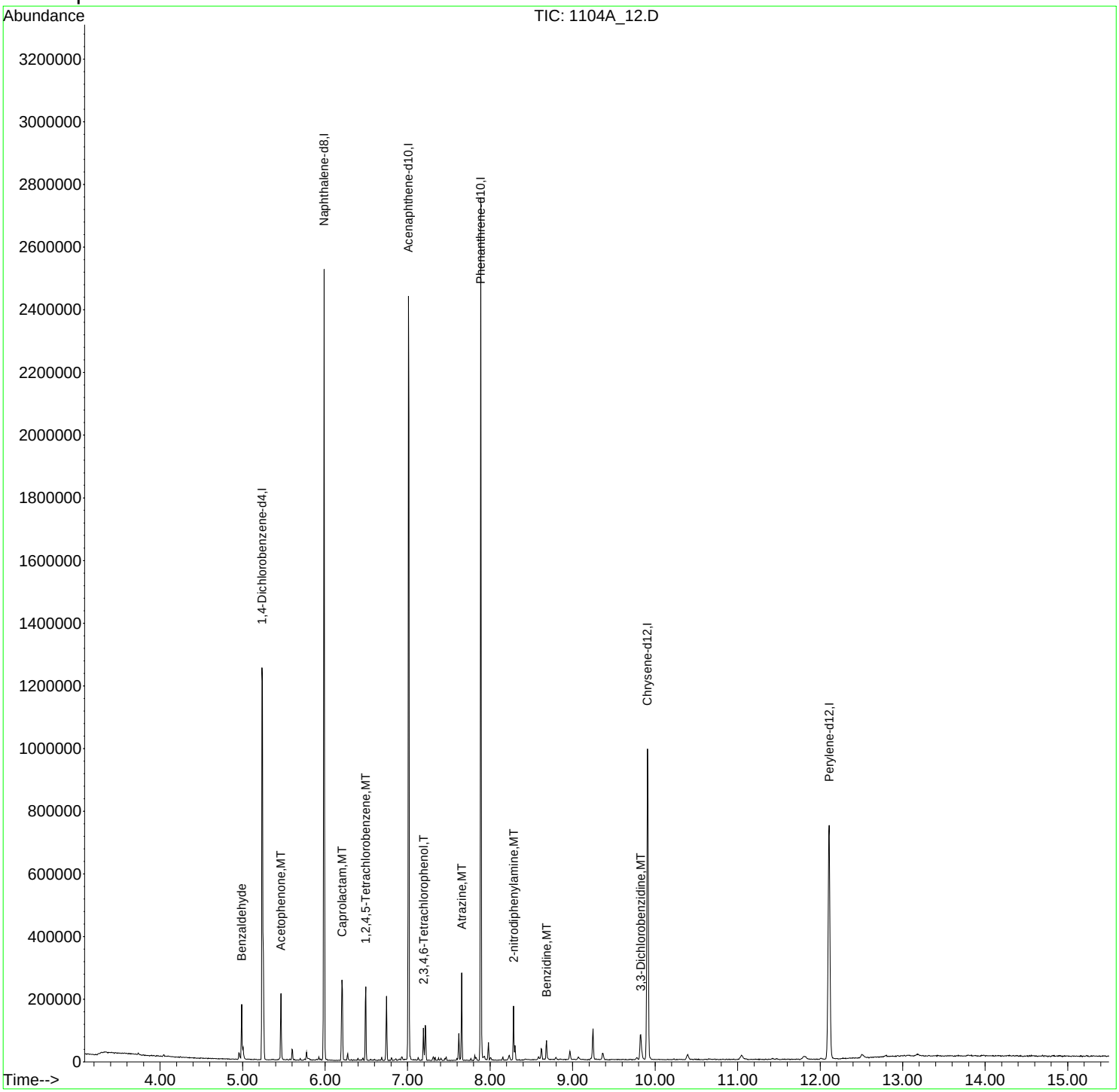
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_12.D Vial: 11
Acq On : 4 Nov 2011 10:45 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:51 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:44:07 2011
Response via : Initial Calibration

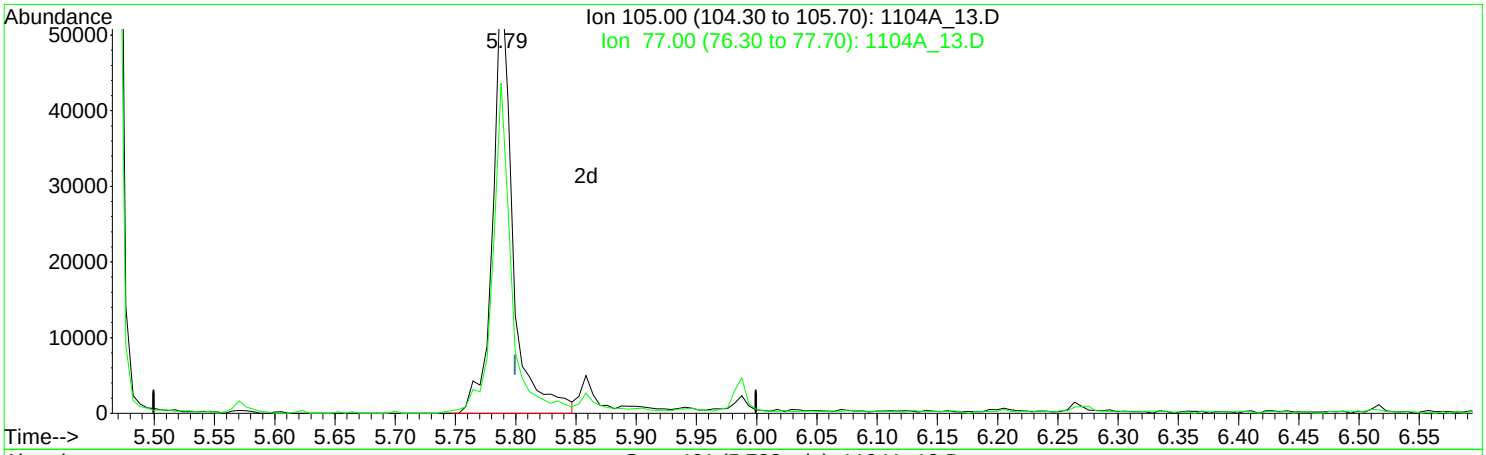


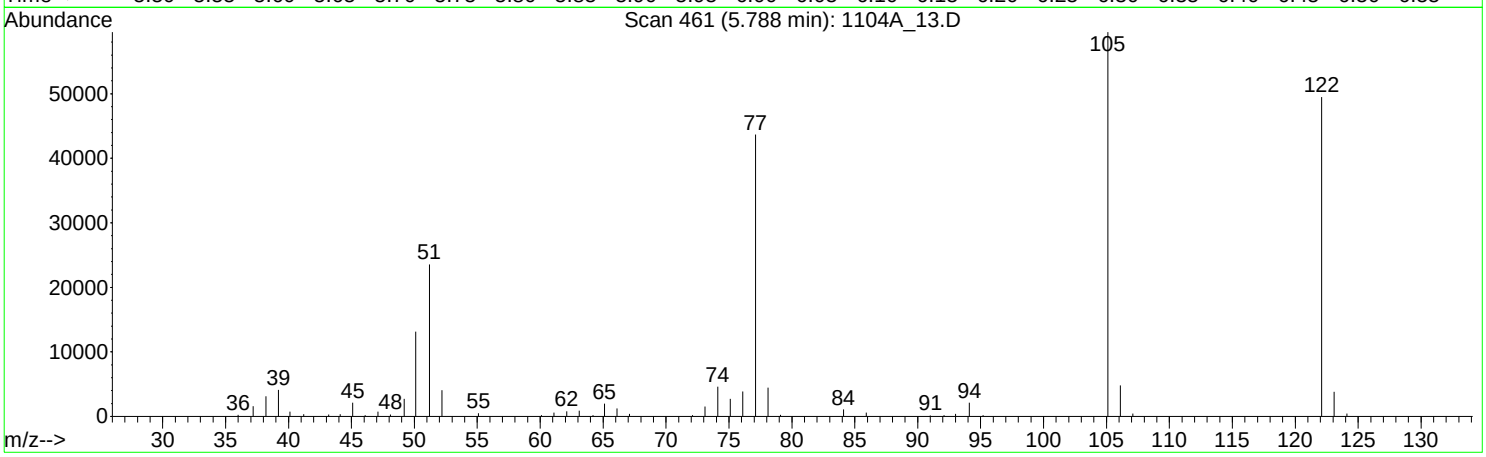
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_13.D Vial: 12
Acq On : 4 Nov 2011 11:06 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:52:10 2011
Response via : Single Level Calibration





TIC: 1104A_13.D

(30) Benzoic Acid (MT)
5.79min (-0.012) 0.0000000 ppb
Qvalue = 91
response 65240

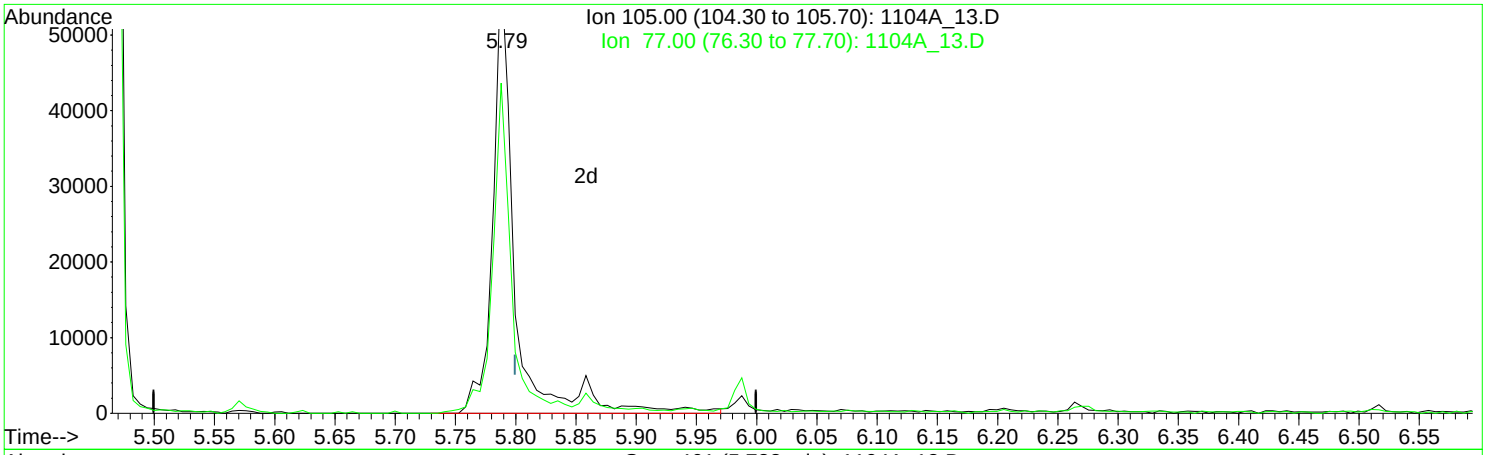
Ion	Exp%	Act%
105.00	100	100
77.00	64.80	72.16
0.00	0.00	0.00
0.00	0.00	0.00

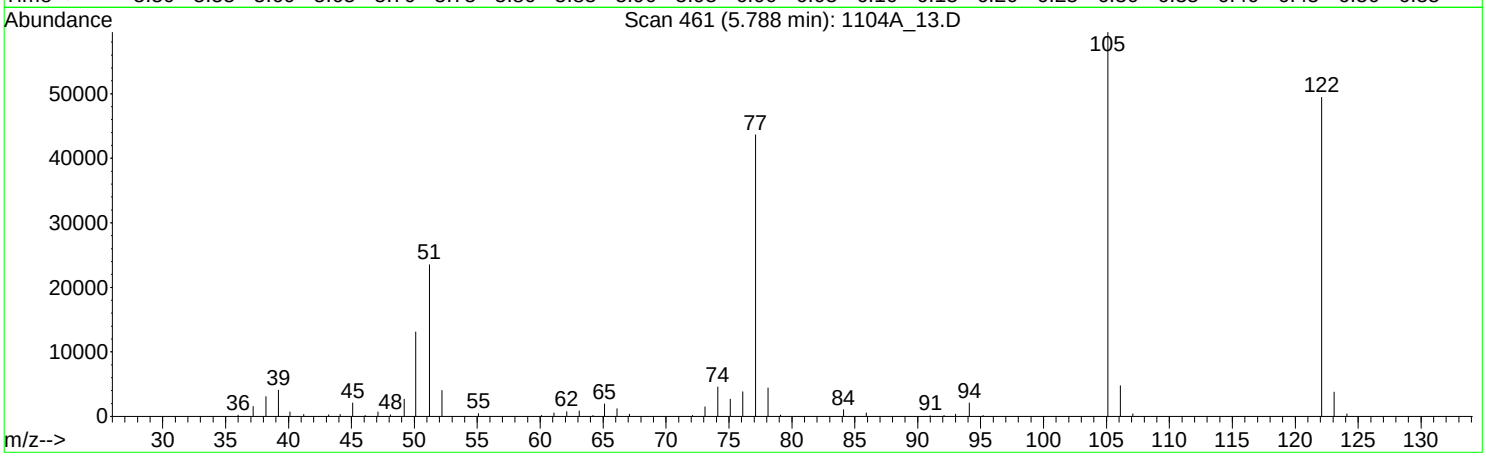
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_13.D Vial: 12
Acq On : 4 Nov 2011 11:06 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:52:10 2011
Response via : Single Level Calibration





TIC: 1104A_13.D

(30) Benzoic Acid (MT)
5.79min (-0.012) 0.0000000 ppb m

response 73180

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	64.33
0.00	0.00	0.00
0.00	0.00	0.00

1104A_13.D S810K04K.M Sat Nov 05 13:53:20 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_13.D Vial: 12
Acq On : 4 Nov 2011 11:06 pm Operator: 377
Sample : STD TCL 5000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:53 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	245278	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	933517	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	492568	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	784633	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	535131	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	526579	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	0.00	99	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#		
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#		
44) 2-Fluorobiphenyl	0.00	172	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D. d	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	4.99	105	169626	5057.7277468 ppb	99
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D. d	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D. d	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D. d	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_13.D Vial: 12
Acq On : 4 Nov 2011 11:06 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:53 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20)	3&4-Methyl phenol	0.00	107	0	N.D. d	
21)	Acetophenone	5.46	105	250524	4938.9304668 ppb	99
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.79	105	73180	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35)	Caprolactam	6.21	113	59864	4783.2044854 ppb	93
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	175727	4921.4088506 ppb	99
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D. d	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D. d	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D. d	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51)	3-Nitroaniline	0.00	138	0	N.D. d	
52)	Acenaphthene	0.00	153	0	N.D. d	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.19	232	65148	4894.0725654 ppb	94
57)	4-Nitrophenol	0.00	139	0	N.D. d	
58)	Fluorene	0.00	166	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_13.D Vial: 12
Acq On : 4 Nov 2011 11:06 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:53 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D. d	
62)	Azobenzene	0.00	77	0	N.D. d	
63)	Atrazine	7.66	200	112528	5024.0408428 ppb	97
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D. d	
69)	Hexachlorobenzene	0.00	284	0	N.D. d	
70)	n-octadecane	0.00	55	0	N.D. d	
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	0.00	178	0	N.D. d	
73)	Anthracene	0.00	178	0	N.D. d	
74)	Carbazole	0.00	167	0	N.D. d	
75)	Di-n-butyl phthalate	0.00	149	0	N.D. d	
76)	2-nitrodiphenylamine	8.29	167	99191	4576.2893052 ppb	98
77)	Fluoranthene	0.00	202	0	N.D. d	
79)	Benzidine	8.68	184	183176	4345.7319926 ppb	99
80)	Pyrene	0.00	202	0	N.D. d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D. d	
83)	3,3-Dichlorobenzidine	9.82	252	93711	5052.0932449 ppb	99
84)	Benzo(a)anthracene	0.00	228	0	N.D. d	
85)	Chrysene	0.00	228	0	N.D. d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D. d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D. d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D. d	
91)	Benzo(a)pyrene	0.00	252	0	N.D. d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D. d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D. d	

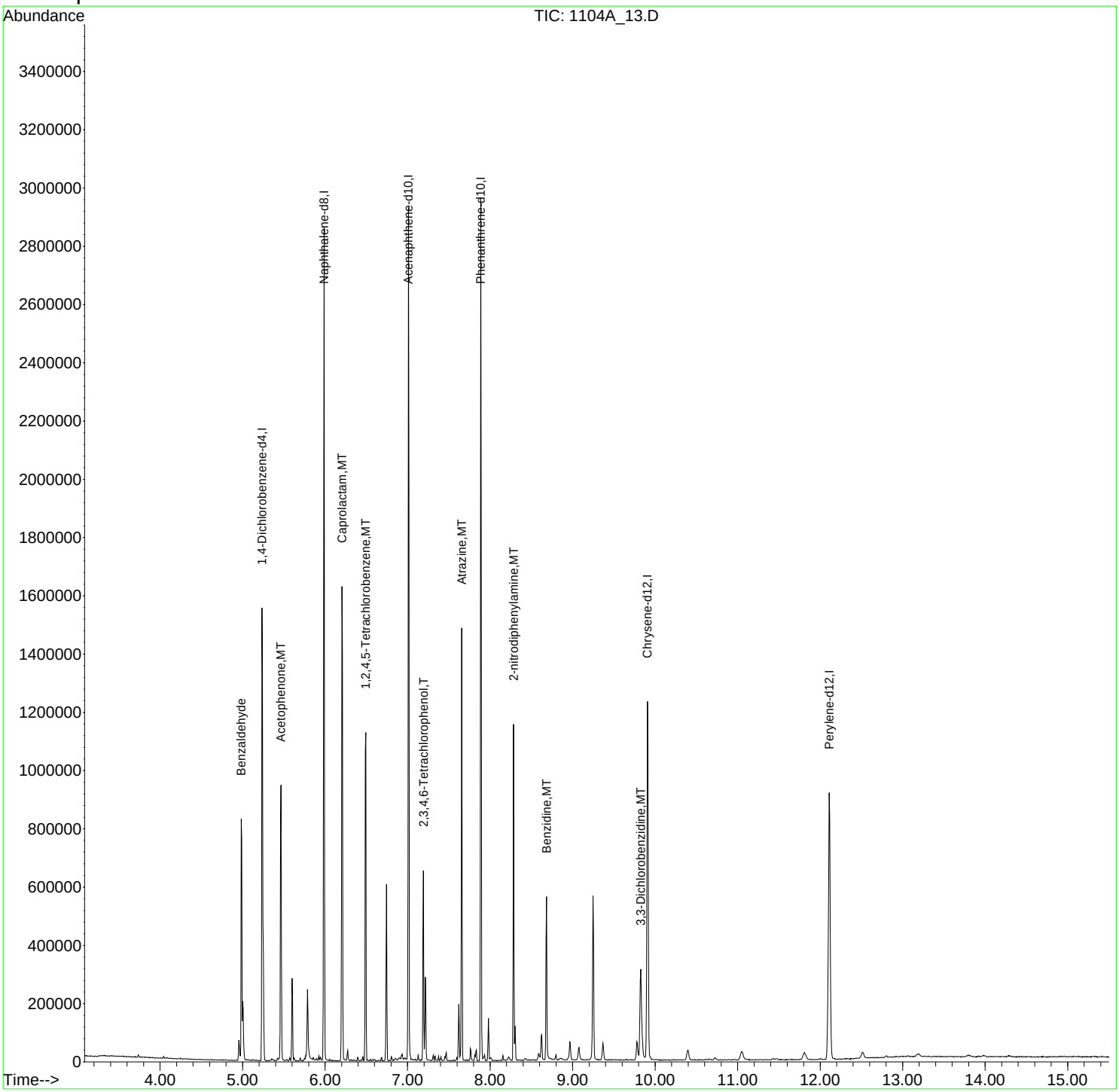
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_13.D Vial: 12
Acq On : 4 Nov 2011 11:06 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:53 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:52:10 2011
Response via : Initial Calibration

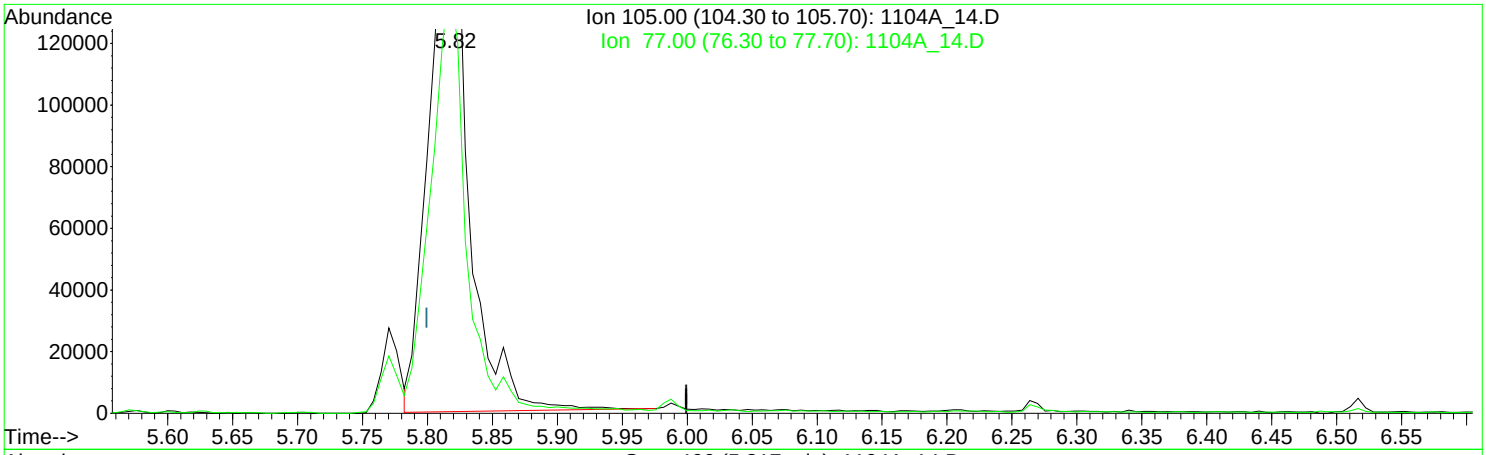


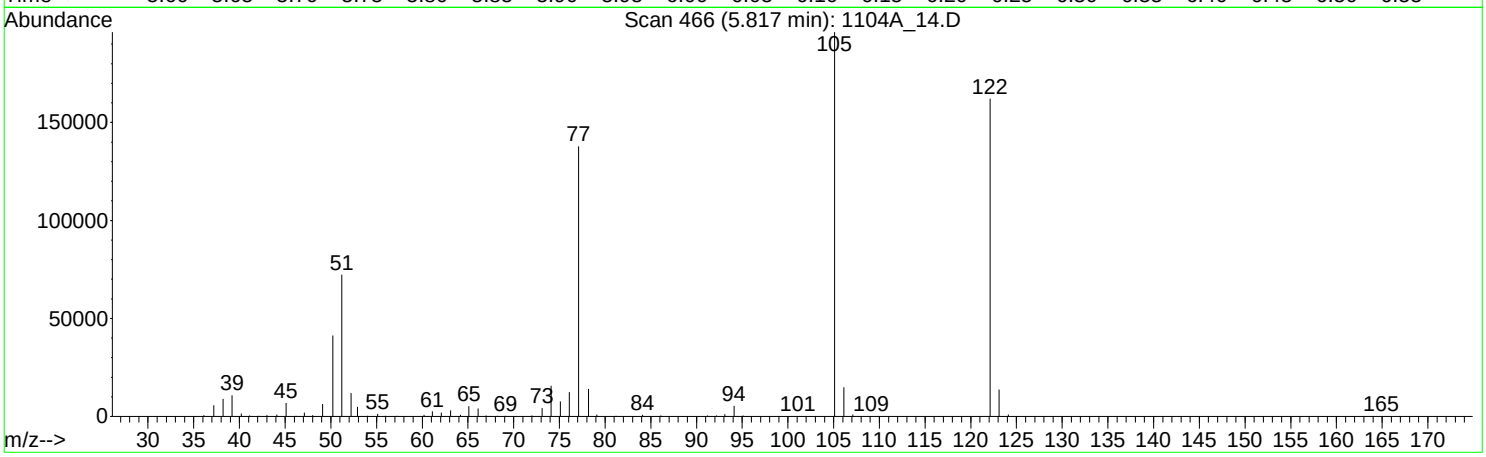
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_14.D Vial: 13
Acq On : 4 Nov 2011 11:27 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:53:37 2011
Response via : Single Level Calibration





TIC: 1104A_14.D

(30) Benzoic Acid (MT)
5.82min (+0.018) 0.0000000 ppb
Qvalue = 94
response 372317

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	69.87
0.00	0.00	0.00
0.00	0.00	0.00

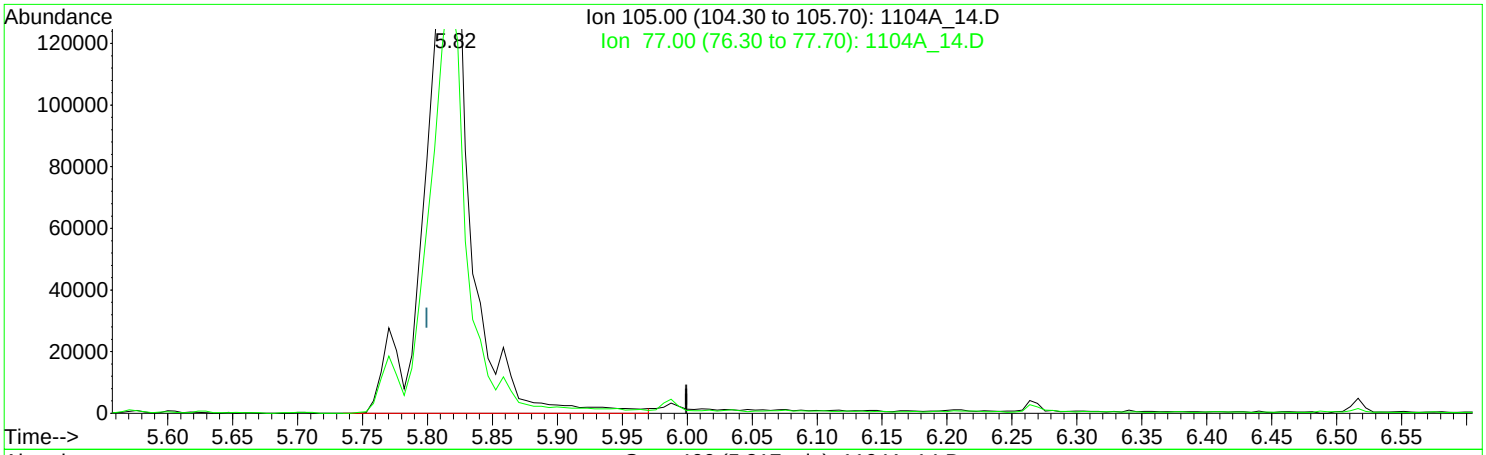
1104A_14.D S810K04K.M Sat Nov 05 13:54:31 2011

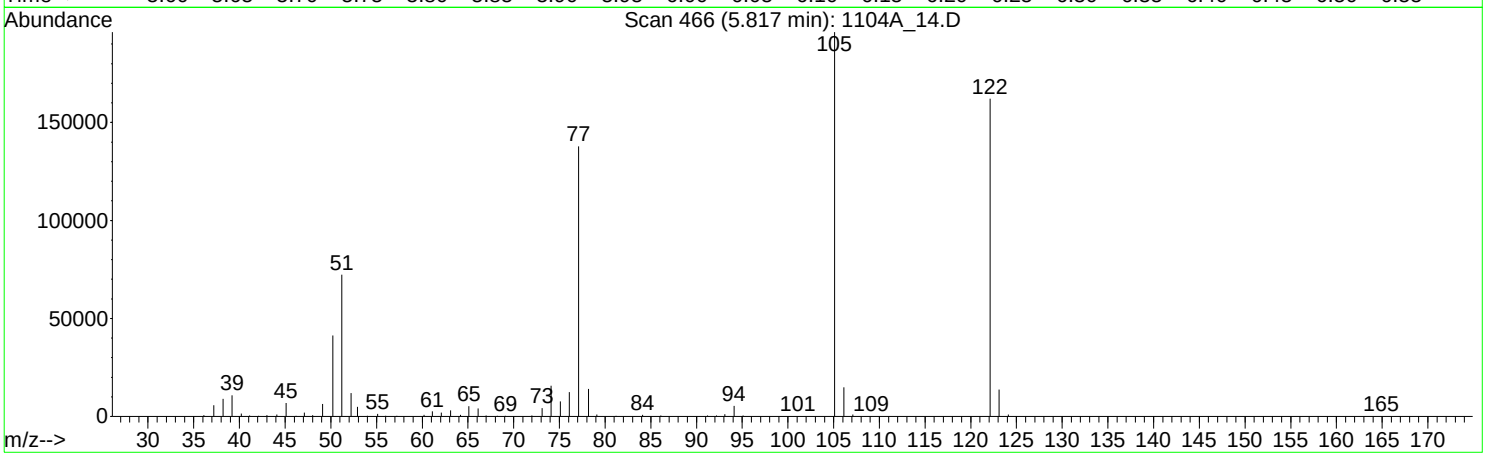
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_14.D Vial: 13
Acq On : 4 Nov 2011 11:27 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:53:37 2011
Response via : Single Level Calibration





TIC: 1104A_14.D

(30) Benzoic Acid (MT)
5.82min (+0.018) 0.0000000 ppb m

response 408227

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	63.72
0.00	0.00	0.00
0.00	0.00	0.00

1104A_14.D S810K04K.M Sat Nov 05 13:54:35 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_14.D Vial: 13
Acq On : 4 Nov 2011 11:27 pm Operator: 377
Sample : STD TCL 20000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:54 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	237722	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	914552	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	488630	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	788395	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	530087	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	536631	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	0.00	99	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#		
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#		
44) 2-Fluorobiphenyl	0.00	172	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	4.99	105	651370	20039.1824927 ppb	99
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D. d	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D. d	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D. d	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_14.D Vial: 13
Acq On : 4 Nov 2011 11:27 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:54 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20)	3&4-Methyl phenol	0.00	107	0	N.D. d	
21)	Acetophenone	5.46	105	1016344	20673.4769034 ppb	98
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.82	105	408227	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35)	Caprolactam	6.22	113	244098	19908.1664818 ppb	94
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	658883	18835.3233746 ppb	99
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D. d	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D. d	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51)	3-Nitroaniline	0.00	138	0	N.D. d	
52)	Acenaphthene	0.00	153	0	N.D. d	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.19	232	288572	21852.9248819 ppb	95
57)	4-Nitrophenol	0.00	139	0	N.D. d	
58)	Fluorene	0.00	166	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_14.D Vial: 13
Acq On : 4 Nov 2011 11:27 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:54 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D. d	
62)	Azobenzene	0.00	77	0	N.D. d	
63)	Atrazine	7.66	200	471241	21209.0734881 ppb	97
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D. d	
69)	Hexachlorobenzene	0.00	284	0	N.D. d	
70)	n-octadecane	0.00	55	0	N.D. d	
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	0.00	178	0	N.D. d	
73)	Anthracene	0.00	178	0	N.D. d	
74)	Carbazole	0.00	167	0	N.D. d	
75)	Di-n-butyl phthalate	0.00	149	0	N.D. d	
76)	2-nitrodiphenylamine	8.28	167	440218	20213.0433819 ppb	100
77)	Fluoranthene	0.00	202	0	N.D. d	
79)	Benzidine	8.68	184	866462	20751.8512460 ppb	100
80)	Pyrene	0.00	202	0	N.D. d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D. d	
83)	3,3-Dichlorobenzidine	9.82	252	339352	18469.0329050 ppb	98
84)	Benzo(a)anthracene	0.00	228	0	N.D. d	
85)	Chrysene	0.00	228	0	N.D. d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D. d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D. d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D. d	
91)	Benzo(a)pyrene	0.00	252	0	N.D. d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D. d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D. d	

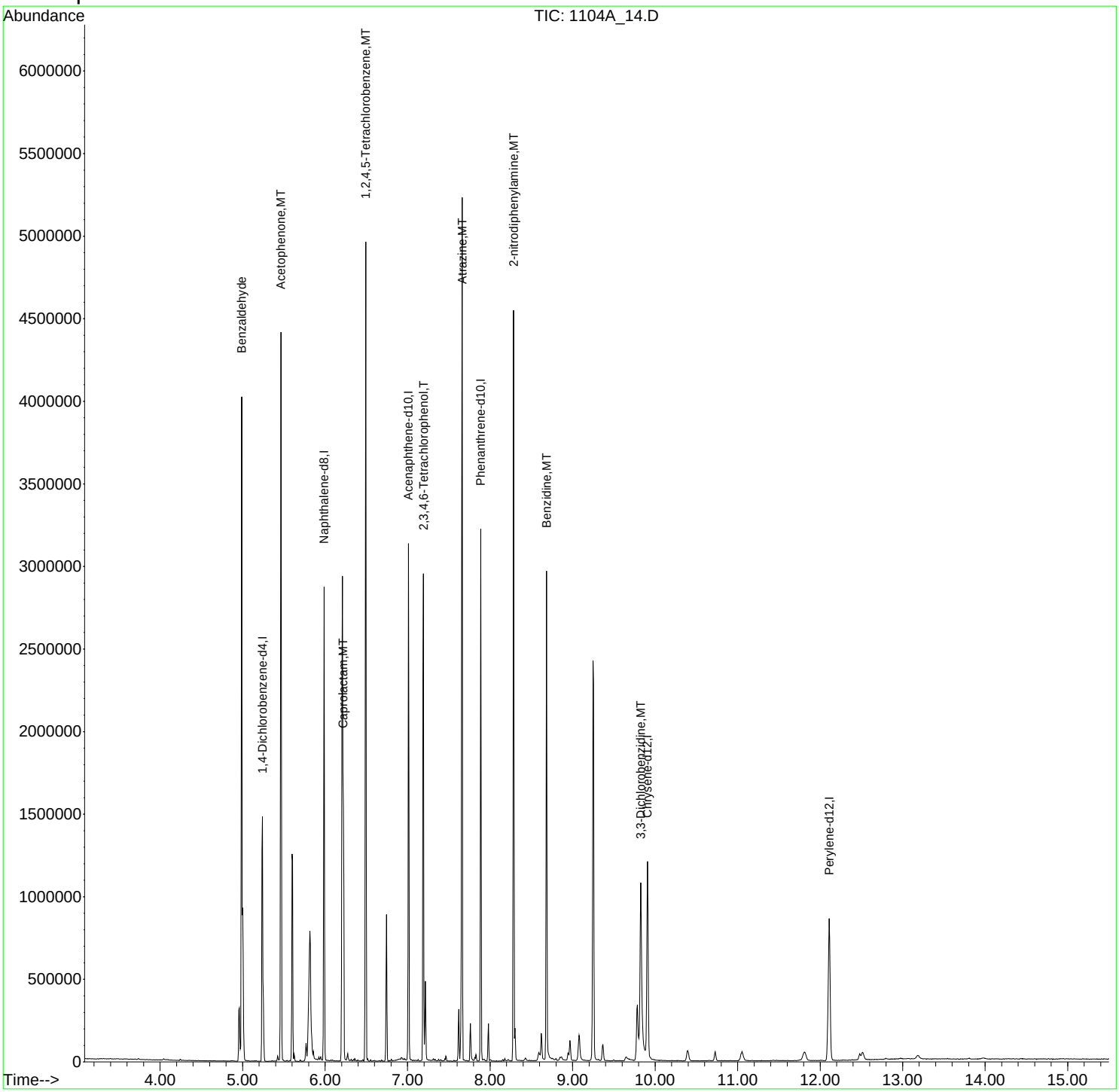
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_14.D Vial: 13
Acq On : 4 Nov 2011 11:27 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 13:54 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 13:53:37 2011
Response via : Initial Calibration

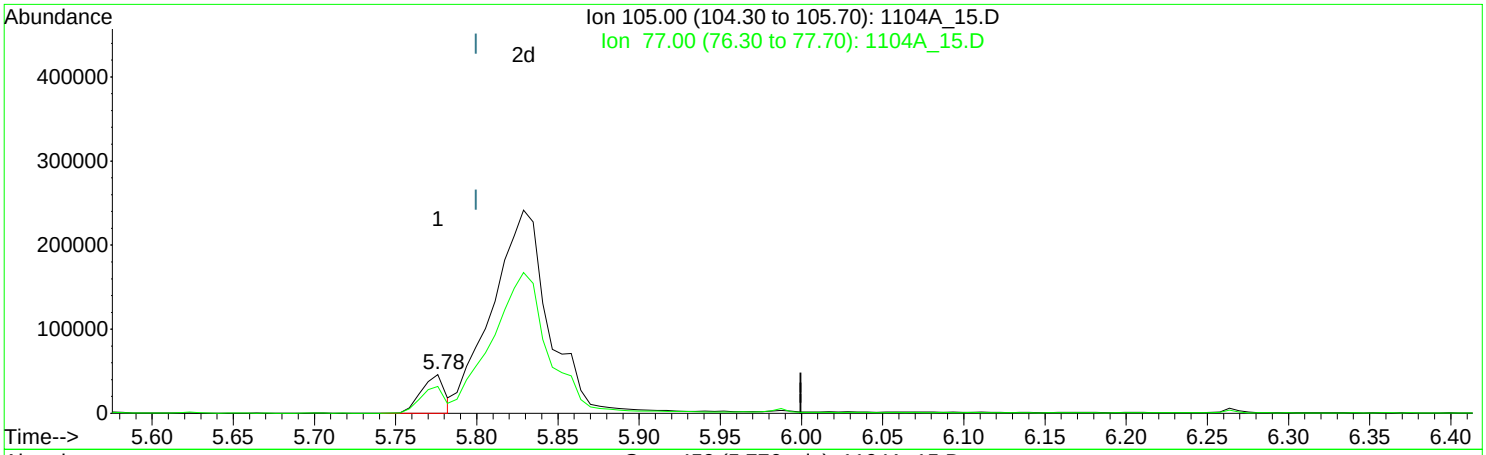


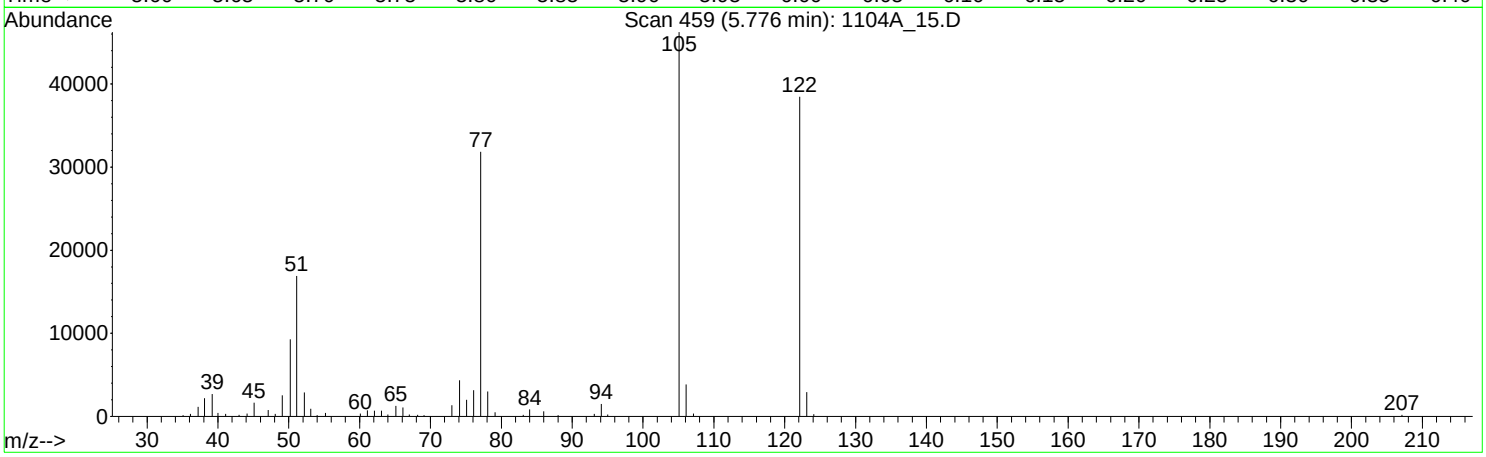
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_15.D Vial: 14
Acq On : 4 Nov 2011 11:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:36 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:35:23 2011
Response via : Single Level Calibration





TIC: 1104A_15.D

(30) Benzoic Acid (MT)
5.78min (-0.024) 0.0000000 ppb
Qvalue = 92
response 46471

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	71.30
0.00	0.00	0.00
0.00	0.00	0.00

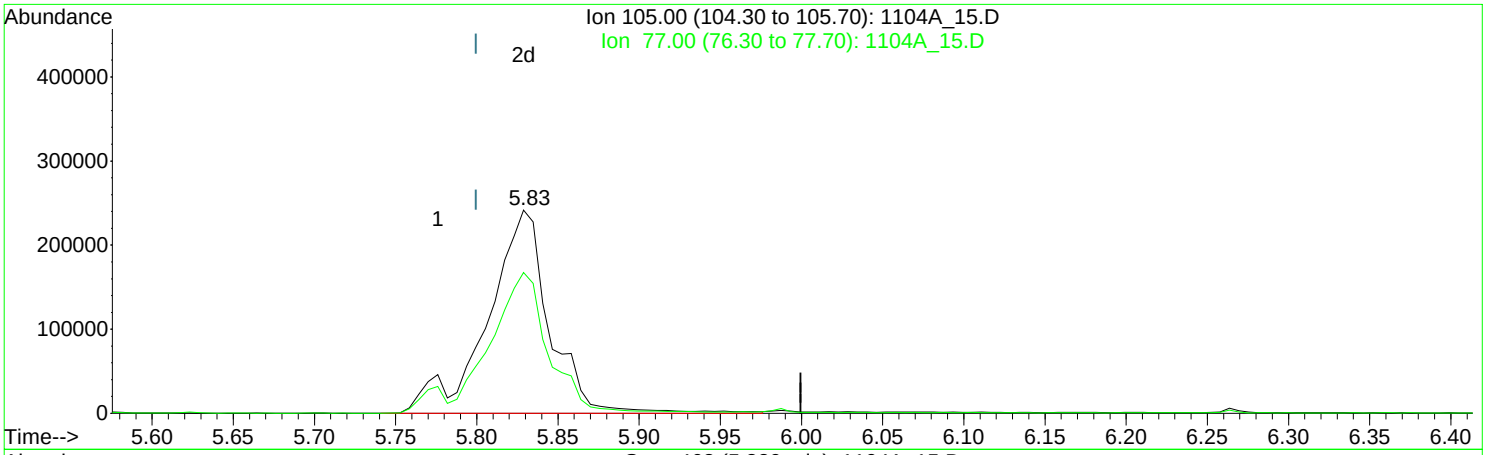
1104A_15.D S810K04K.M Sat Nov 05 14:36:21 2011

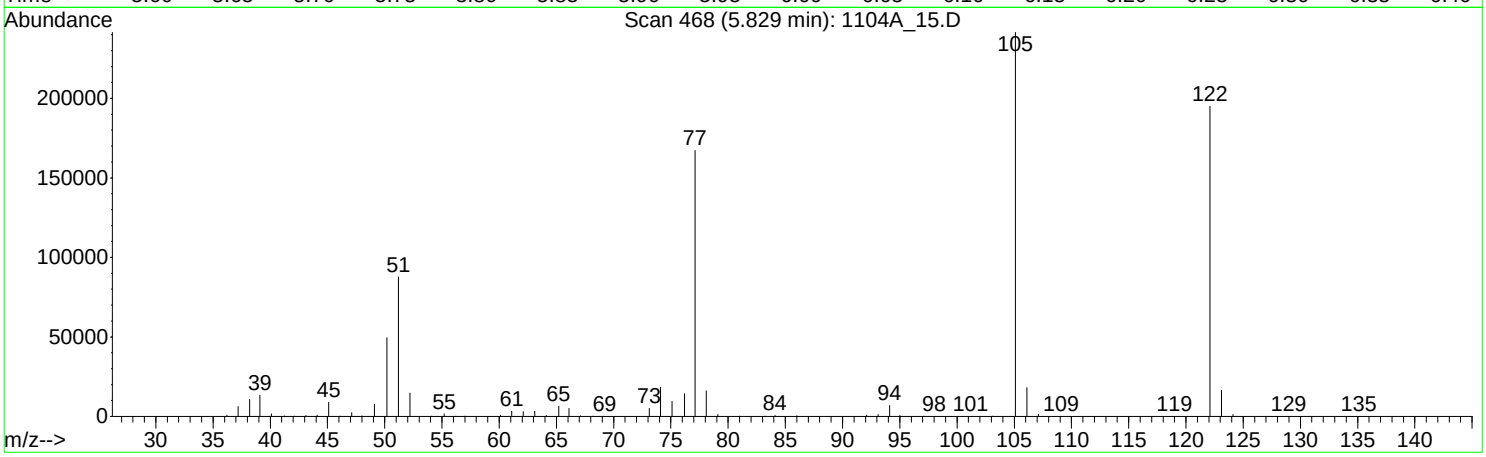
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_15.D Vial: 14
Acq On : 4 Nov 2011 11:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:36 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:35:23 2011
Response via : Single Level Calibration





TIC: 1104A_15.D

(30) Benzoic Acid (MT)
5.83min (+0.029) 0.0000000 ppb m

response 648399

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	5.11#
0.00	0.00	0.00
0.00	0.00	0.00

1104A_15.D S810K04K.M Sat Nov 05 14:36:25 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_15.D Vial: 14
Acq On : 4 Nov 2011 11:49 pm Operator: 377
Sample : STD TCL 30000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:36 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	231931	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	861806	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	492761	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	757154	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	509828	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	517336	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	0.00	99	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#		
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#		
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	4.99	105	895176	28227.4243920 ppb	99
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_15.D Vial: 14
Acq On : 4 Nov 2011 11:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:36 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20)	3&4-Methyl phenol	0.00	107	0	N.D. d	
21)	Acetophenone	5.46	105	1418762	29579.6423302 ppb	99
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.83	105	648399	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35)	Caprolactam	6.23	113	356791	30880.1800645 ppb	96
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	929785	28206.3054364 ppb	99
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D. d	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D. d	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51)	3-Nitroaniline	0.00	138	0	N.D. d	
52)	Acenaphthene	0.00	153	0	N.D. d	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.19	232	433951	32586.6620408 ppb	88
57)	4-Nitrophenol	0.00	139	0	N.D. d	
58)	Fluorene	0.00	166	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_15.D Vial: 14
Acq On : 4 Nov 2011 11:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:36 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D. d	
62)	Azobenzene	0.00	77	0	N.D. d	
63)	Atrazine	7.66	200	636968	28427.5899475 ppb	98
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D. d	
69)	Hexachlorobenzene	0.00	284	0	N.D. d	
70)	n-octadecane	0.00	55	0	N.D. d	
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	0.00	178	0	N.D. d	
73)	Anthracene	0.00	178	0	N.D. d	
74)	Carbazole	0.00	167	0	N.D.	
75)	Di-n-butyl phthalate	0.00	149	0	N.D. d	
76)	2-nitrodiphenylamine	8.29	167	681962	32604.9642046 ppb	98
77)	Fluoranthene	0.00	202	0	N.D. d	
79)	Benzidine	8.68	184	1229197	30609.2216752 ppb	100
80)	Pyrene	0.00	202	0	N.D. d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D. d	
83)	3,3-Dichlorobenzidine	9.82	252	476383	26957.1184632 ppb	98
84)	Benzo(a)anthracene	0.00	228	0	N.D. d	
85)	Chrysene	0.00	228	0	N.D. d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D. d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D. d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D. d	
91)	Benzo(a)pyrene	0.00	252	0	N.D. d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D. d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D. d	

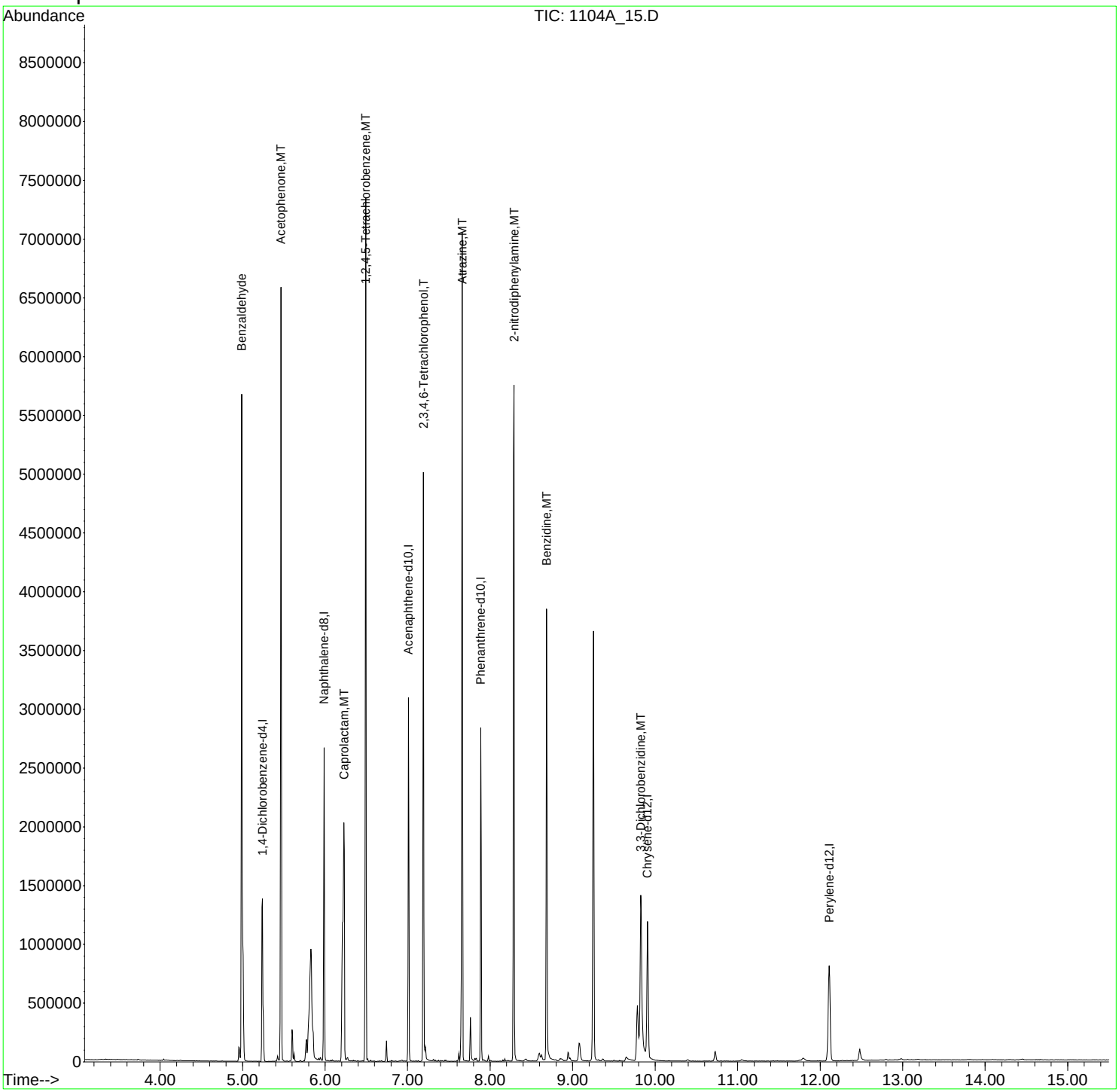
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_15.D Vial: 14
Acq On : 4 Nov 2011 11:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:36 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:35:23 2011
Response via : Initial Calibration

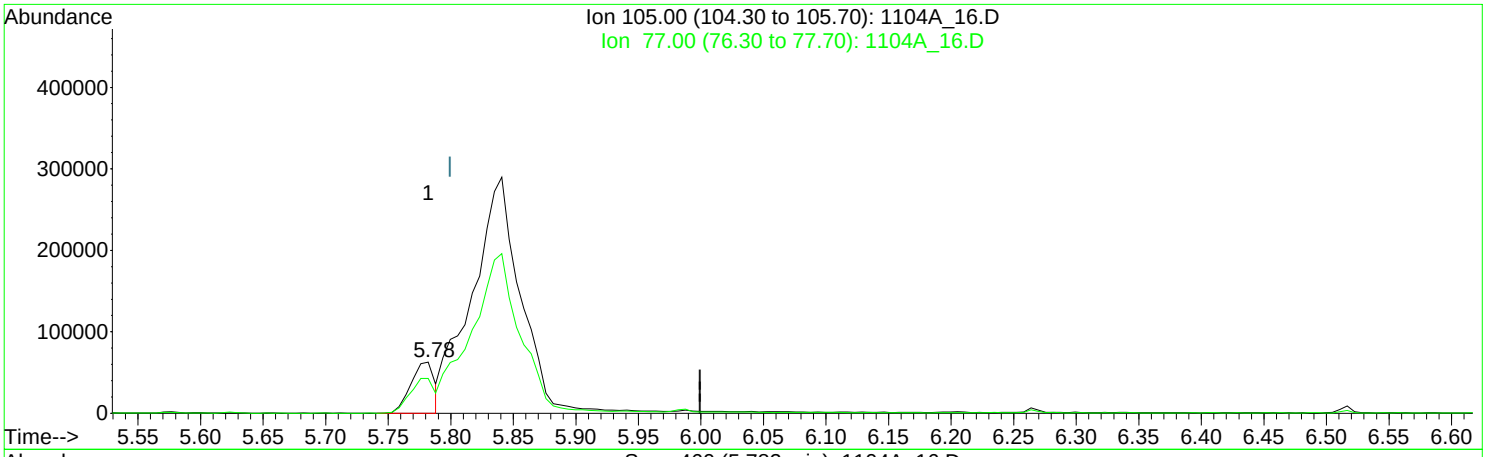


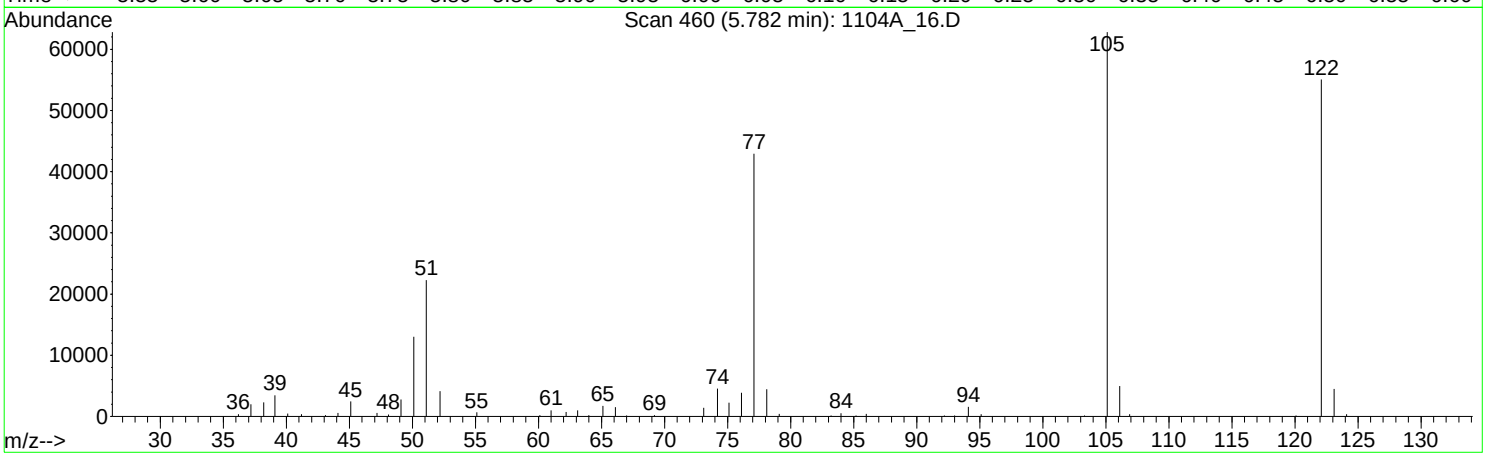
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_16.D Vial: 15
Acq On : 5 Nov 2011 12:10 am Operator: 377
Sample : STD TCL 40000 ppb 11G20059 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:36:34 2011
Response via : Single Level Calibration





TIC: 1104A_16.D

(30) Benzoic Acid (MT)
5.78min (-0.017) 0.0000000 ppb
Qvalue = 92
response 82802

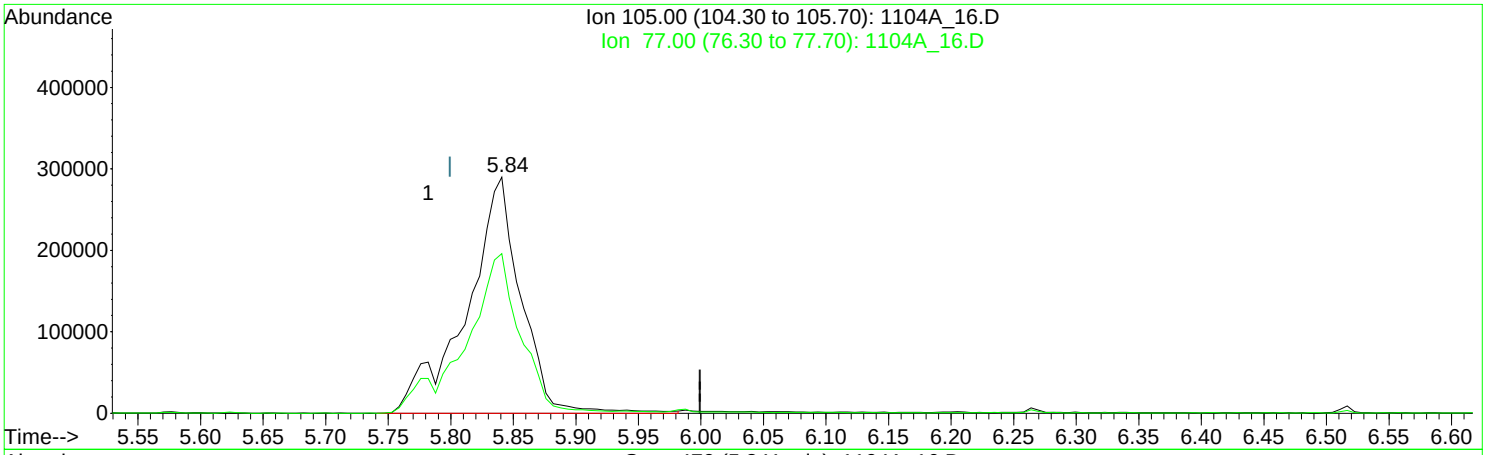
Ion	Exp%	Act%
105.00	100	100
77.00	64.80	71.38
0.00	0.00	0.00
0.00	0.00	0.00

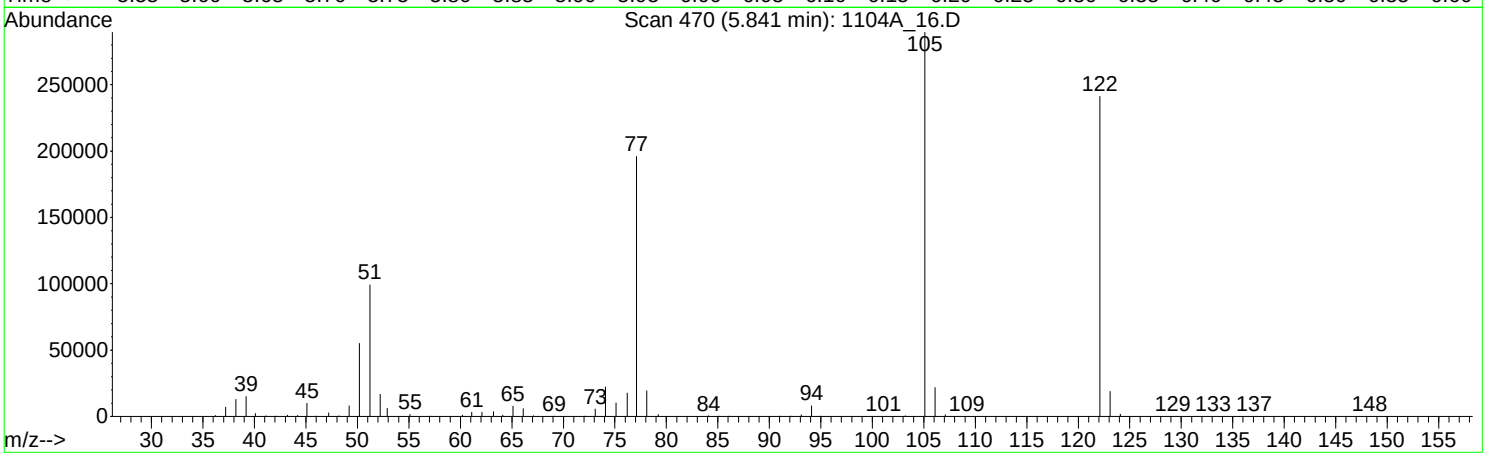
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_16.D Vial: 15
Acq On : 5 Nov 2011 12:10 am Operator: 377
Sample : STD TCL 40000 ppb 11G20059 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:36:34 2011
Response via : Single Level Calibration





TIC: 1104A_16.D

(30) Benzoic Acid (MT)
5.84min (+0.041) 0.0000000 ppb m

response 877565

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	6.73#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_16.D Vial: 15
Acq On : 5 Nov 2011 12:10 am Operator: 377
Sample : STD TCL 40000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:37 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	221194	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	831643	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	464430	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	734488	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	484562	8000.00 ppb	0.00
88) Perylene-d12	12.12	264	513175	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	0.00	99	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#		
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#		
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	4.99	105	1104206	36508.8693633 ppb	99
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_16.D Vial: 15
Acq On : 5 Nov 2011 12:10 am Operator: 377
Sample : STD TCL 40000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:37 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20)	3&4-Methyl phenol	0.00	107	0	N.D. d	
21)	Acetophenone	5.46	105	1786364	39051.5958953 ppb	99
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.84	105	877565	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35)	Caprolactam	6.24	113	449960	40356.4000341 ppb	96
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	1138093	35777.8301547 ppb	99
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D. d	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D. d	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51)	3-Nitroaniline	0.00	138	0	N.D. d	
52)	Acenaphthene	0.00	153	0	N.D. d	
53)	2,4-Dinitrophenol	0.00	184	0	N.D. d	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.19	232	555999	44298.5240014 ppb	89
58)	Fluorene	0.00	166	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_16.D Vial: 15
Acq On : 5 Nov 2011 12:10 am Operator: 377
Sample : STD TCL 40000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:37 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D. d	
62)	Azobenzene	0.00	77	0	N.D. d	
63)	Atrazine	7.66	200	808549	38286.4266296 ppb	97
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D. d	
69)	Hexachlorobenzene	0.00	284	0	N.D. d	
70)	n-octadecane	0.00	55	0	N.D. d	
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	0.00	178	0	N.D. d	
73)	Anthracene	0.00	178	0	N.D. d	
74)	Carbazole	0.00	167	0	N.D.	
75)	Di-n-butyl phthalate	0.00	149	0	N.D. d	
76)	2-nitrodiphenylamine	8.29	167	843417	41568.6019852 ppb	98
77)	Fluoranthene	0.00	202	0	N.D. d	
79)	Benzidine	8.68	184	1575268	41272.3859460 ppb	100
80)	Pyrene	0.00	202	0	N.D. d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D. d	
83)	3,3-Dichlorobenzidine	9.82	252	631591	37603.4312329 ppb	99
85)	Chrysene	0.00	228	0	N.D. d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D. d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D. d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D. d	
91)	Benzo(a)pyrene	0.00	252	0	N.D. d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D. d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D. d	

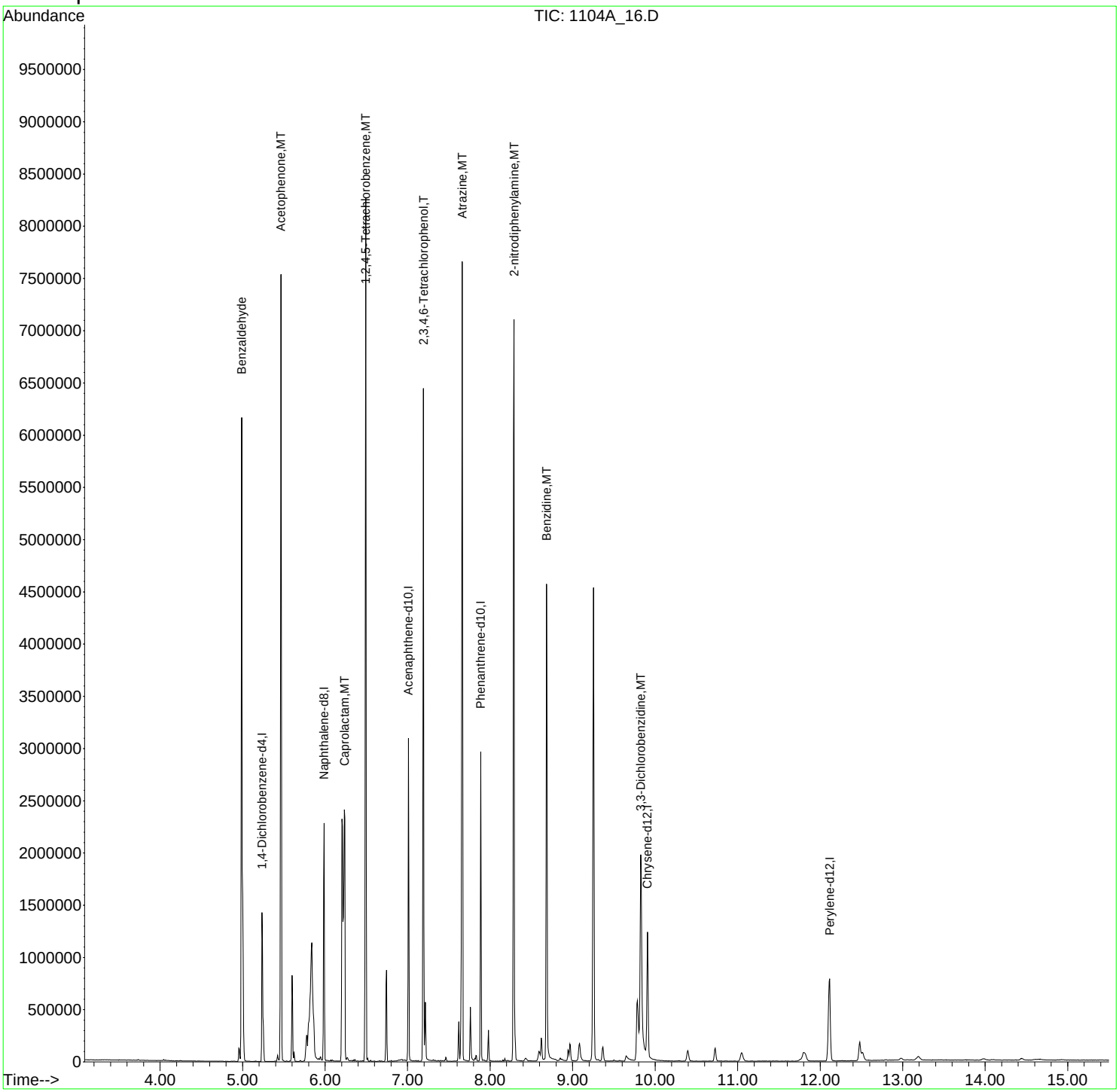
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_16.D Vial: 15
Acq On : 5 Nov 2011 12:10 am Operator: 377
Sample : STD TCL 40000 ppb 11G20059 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:37 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:36:34 2011
Response via : Initial Calibration

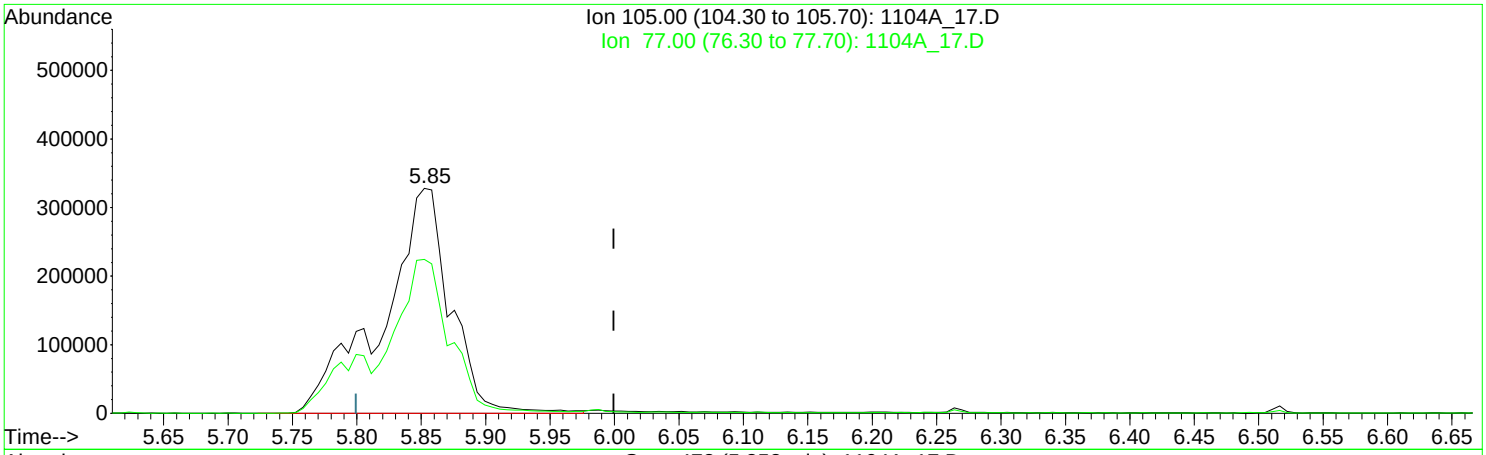


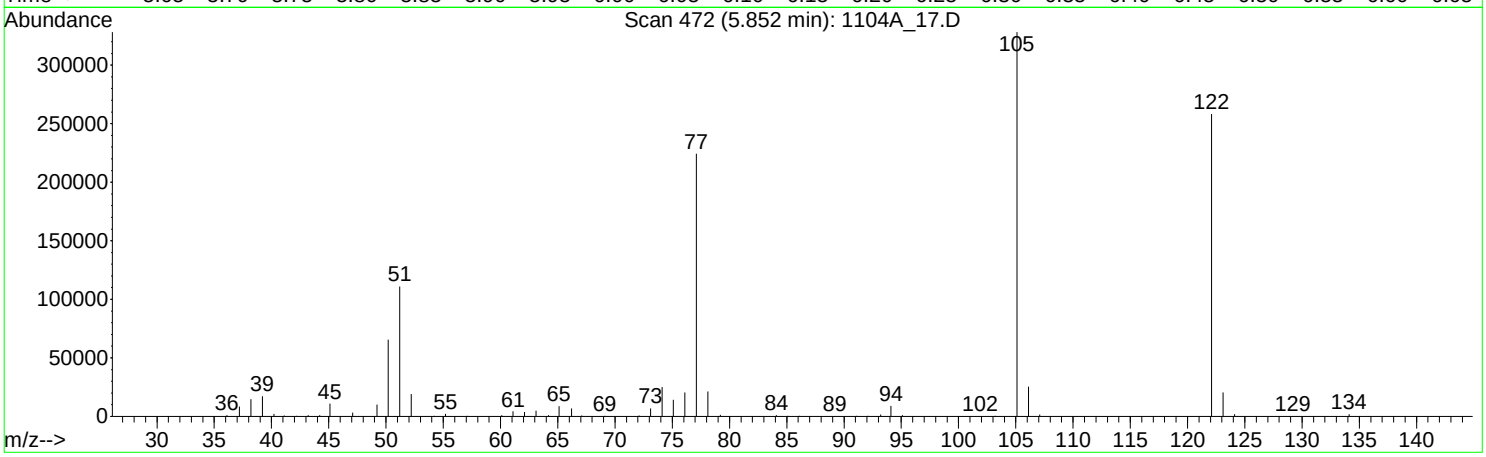
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_17.D Vial: 16
Acq On : 5 Nov 2011 12:31 am Operator: 377
Sample : STD TCL 50000 ppb 11G20059 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:39 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:37:52 2011
Response via : Single Level Calibration





TIC: 1104A_17.D

(30) Benzoic Acid (MT)
5.85min (+0.053) 0.0000000 ppb
Qvalue = 94
response 1205445

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	69.21
0.00	0.00	0.00
0.00	0.00	0.00

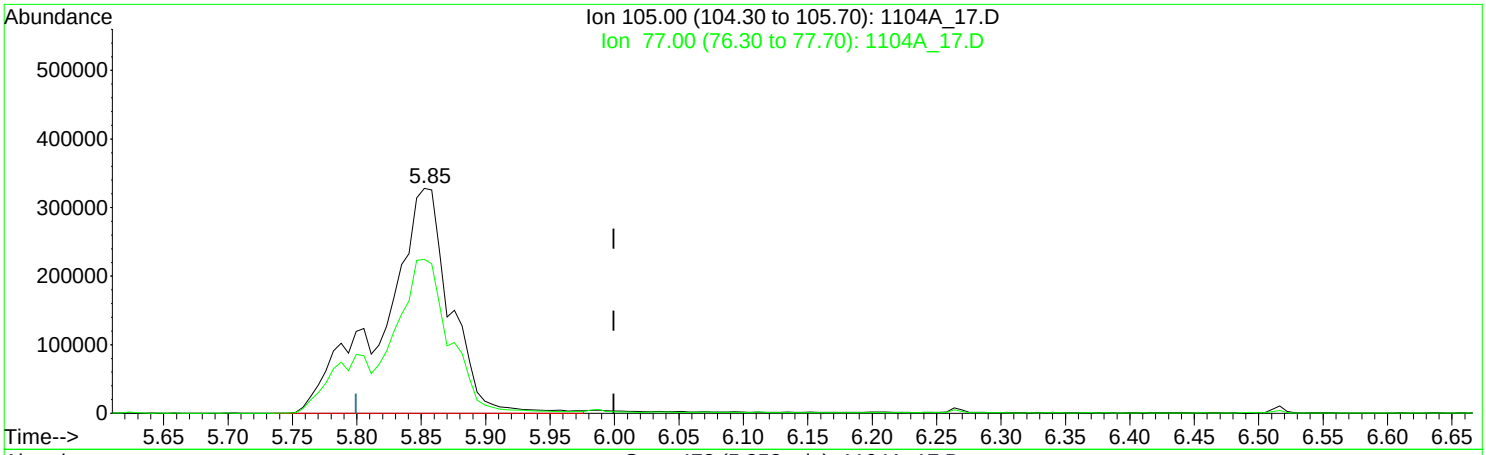
1104A_17.D S810K04K.M Sat Nov 05 14:39:25 2011

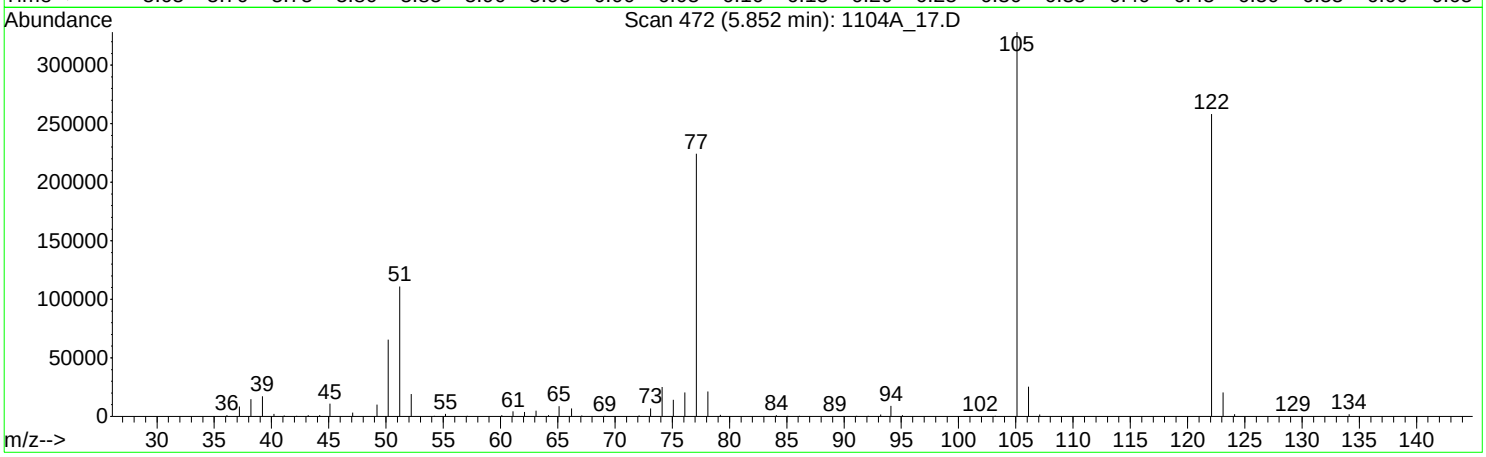
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_17.D Vial: 16
Acq On : 5 Nov 2011 12:31 am Operator: 377
Sample : STD TCL 50000 ppb 11G20059 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:39 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:37:52 2011
Response via : Single Level Calibration





TIC: 1104A_17.D

(30) Benzoic Acid (MT)
5.85min (+0.053) 0.0000000 ppb m

response 1205364

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	69.22
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_17.D Vial: 16
Acq On : 5 Nov 2011 12:31 am Operator: 377
Sample : STD TCL 50000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:39 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	229852	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	868110	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	483465	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	765309	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	521766	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	536924	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	0.00	99	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#		
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#		
44) 2-Fluorobiphenyl	0.00	172	0d	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0d	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	4.99	105	1356156	43150.2171856 ppb	99
10) 2-Chlorophenol	0.00	128	0	N.D.	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_17.D Vial: 16
Acq On : 5 Nov 2011 12:31 am Operator: 377
Sample : STD TCL 50000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:39 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20)	3&4-Methyl phenol	0.00	107	0	N.D. d	
21)	Acetophenone	5.46	105	2280398	47973.8458589 ppb	99
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.85	105	1205364	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35)	Caprolactam	6.25	113	593185	50967.2085347 ppb	94
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	1451432	43711.4403273 ppb	99
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D. d	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D. d	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51)	3-Nitroaniline	0.00	138	0	N.D. d	
52)	Acenaphthene	0.00	153	0	N.D. d	
53)	2,4-Dinitrophenol	0.00	184	0	N.D. d	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.19	232	739704	56614.5994358 ppb	83
58)	Fluorene	0.00	166	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_17.D Vial: 16
Acq On : 5 Nov 2011 12:31 am Operator: 377
Sample : STD TCL 50000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:39 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 12:50:44 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D. d	
62)	Azobenzene	0.00	77	0	N.D. d	
63)	Atrazine	7.67	200	1026532	46694.5515023 ppb	97
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D. d	
69)	Hexachlorobenzene	0.00	284	0	N.D. d	
70)	n-octadecane	0.00	55	0	N.D. d	
71)	Pentachlorophenol	0.00	266	0	N.D. d	
72)	Phenanthrene	0.00	178	0	N.D. d	
73)	Anthracene	0.00	178	0	N.D. d	
74)	Carbazole	0.00	167	0	N.D.	
75)	Di-n-butyl phthalate	0.00	149	0	N.D. d	
76)	2-nitrodiphenylamine	8.29	167	1132143	53551.5737332 ppb	96
77)	Fluoranthene	0.00	202	0	N.D. d	
79)	Benzidine	8.68	184	2069782	50362.0394096 ppb	100
80)	Pyrene	0.00	202	0	N.D. d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D. d	
83)	3,3-Dichlorobenzidine	9.83	252	870363	48124.4235466 ppb	99
85)	Chrysene	0.00	228	0	N.D. d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D. d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D. d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D. d	
91)	Benzo(a)pyrene	0.00	252	0	N.D. d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D. d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D. d	

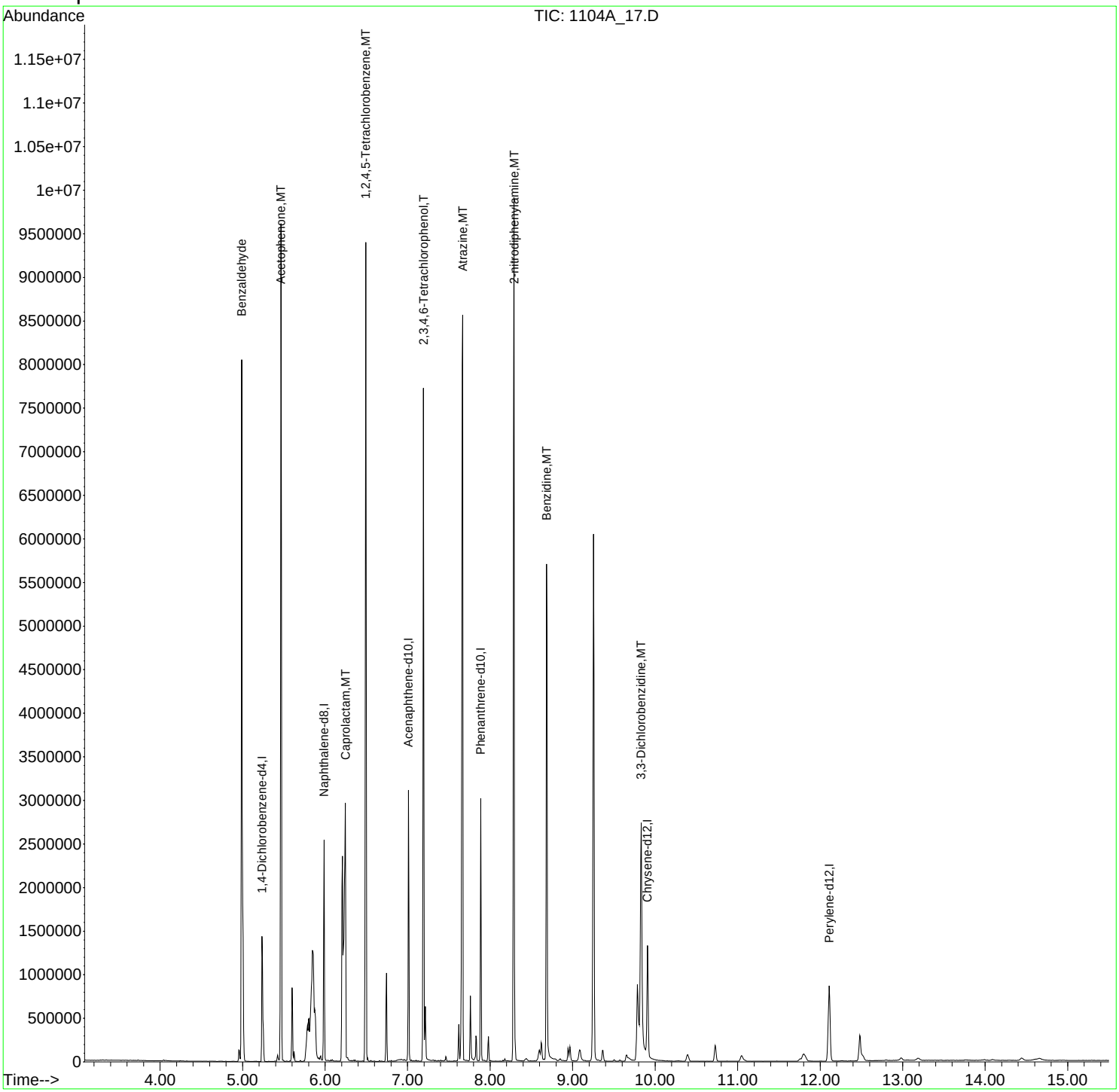
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_17.D Vial: 16
Acq On : 5 Nov 2011 12:31 am Operator: 377
Sample : STD TCL 50000 ppb 11G20059 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:39 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:37:52 2011
Response via : Initial Calibration



8270D MIN RF REPORT curve 1

Sample Name STD SVMS 10000 ppb 11G20058
Data File Name 1104A_03.D
Acquired 4 Nov 2011 7:34 pm

level **10000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	182478			
2	Pyridine	10000.03	346570	1.519		
3	N-Nitrosodimethylamine	10002.70	155772	0.683		
4	2-Fluorophenol	10010.54	330575	1.449		
5	Aniline	10000.00	351442	1.541		
6	bis(2-Chloroethyl)ether	10000.00	397803	1.744	0.700	PASS
7	Phenol-d5	10000.00	343286	1.505		
8	Phenol	10000.00	411261	1.803	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	10000.00	344773	1.512	0.800	PASS
11	n-Decane	10000.00	169116	0.741		
12	1,3-Dichlorobenzene	10000.00	383662	1.682		
13	1,4-Dichlorobenzene	10000.00	387616	1.699		
14	Benzyl Alcohol	10000.00	233001	1.021		
15	1,2-Dichlorobenzene	10000.00	355837	1.560		
16	bis(2-Chloroisopropyl)ether	10000.00	114490	0.502	0.010	PASS
17	2-Methylphenol	10000.00	303366	1.330	0.700	PASS
18	Hexachloroethane	10000.00	138509	0.607	0.300	PASS
19	N-Nitrosodi-n-propylamine	10000.00	218671	0.959	0.500	PASS
20	3&4-Methyl phenol	10000.00	330943	1.451	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	696907			
23	Nitrobenzene-d5	10000.00	326521	0.375		
24	Nitrobenzene	10000.00	305819	0.351	0.200	PASS
25	Isophorone	10000.00	597559	0.686	0.400	PASS
26	2-Nitrophenol	10000.00	177315	0.204	0.100	PASS
27	2,4-Dimethylphenol	10000.00	298119	0.342	0.200	PASS
28	bis(2-Chlorethoxy)methane	10000.00	373689	0.429	0.300	PASS
29	2,4-Dichlorophenol	10000.00	263383	0.302	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	10000.00	332886	0.382		
32	Naphthalene	10000.00	1001416	1.150	0.700	PASS
33	4-Chloroaniline	10000.00	89155	0.102	0.010	PASS
34	Hexachloro-1,3-butadiene	10000.00	163048	0.187	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	10000.00	268369	0.308	0.200	PASS
37	2-Methylnaphthalene	10000.00	627862	0.721	0.400	PASS
38	1-Methylnaphthalene	10000.00	648318	0.744		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	373792			
41	Hexachlorocyclopentadiene	10000.00	123868	0.265	0.050	PASS
42	2,4,6-Trichlorophenol	10000.00	186672	0.400	0.200	PASS
43	2,4,5-Trichlorophenol	10000.00	183306	0.392	0.200	PASS
44	2-Fluorobiphenyl	10000.00	674583	1.444		
45	Biphenyl	10000.00	750030	1.605	0.010	PASS
46	2-Chloronaphthalene	10000.00	590235	1.263	0.800	PASS
47	2-Nitroaniline	10000.00	176096	0.377	0.010	PASS
48	Acenaphthylene	10000.00	897913	1.922	0.900	PASS
49	Dimethyl phthalate	10000.00	652979	1.398	0.010	PASS
50	2,6-Dinitrotoluene	10000.00	149412	0.320	0.200	PASS
51	3-Nitroaniline	10000.00	80837	0.173	0.010	PASS

52	Acenaphthene	10000.00	598252	1.280	0.900	PASS
53	2,4-Dinitrophenol	10000.00	42632	0.091	0.010	PASS
54	Dibenzofuran	10000.00	786994	1.684	0.800	PASS
55	2,4-Dinitrotoluene	10000.00	180418	0.386	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	10000.00	96715	0.207	0.010	PASS
58	Fluorene	10000.00	631918	1.352	0.900	PASS
59	4-Chlorophenyl-phenylether	10000.00	320358	0.686	0.400	PASS
60	Diethyl phthalate	10000.00	642292	1.375	0.010	PASS
61	4-Nitroaniline	10000.00	76411	0.164	0.010	PASS
62	Azobenzene	10000.00	592140	1.267		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	602800			
65	4,6-Dinitro-2-methylphenol	10000.00	68548	0.091	0.010	PASS
66	N-Nitrosodiphenylamine	10000.00	509871	0.677	0.010	PASS
67	2,4,6-Tribromophenol	10000.00	67552	0.090		
68	4-Bromophenyl-phenylether	10000.00	173413	0.230	0.100	PASS
69	Hexachlorobenzene	10000.00	193614	0.257	0.100	PASS
70	n-octadecane	10000.00	108166	0.144		
71	Pentachlorophenol	10000.00	95042	0.126	0.050	PASS
72	Phenanthrene	10000.00	889120	1.180	0.700	PASS
73	Anthracene	10000.00	876817	1.164	0.700	PASS
74	Carbazole	9996.75	679763	0.902	0.010	PASS
75	Di-n-butyl phthalate	10000.00	1130751	1.501	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	10000.00	917352	1.217	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	400264			
80	Pyrene	10000.00	895234	1.789	0.600	PASS
81	p-Terphenyl-d14	10000.00	613816	1.227		
82	Benzylbutyl phthalate	10000.00	441632	0.883	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	10000.00	609957	1.219	0.800	PASS
85	Chrysene	10000.00	573738	1.147	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	10000.00	640689	1.281	0.010	PASS
87	Di-n-octyl phthalate	10000.00	951363	1.901	0.010	PASS
88	Perylene-d12	8000.00	393295			
89	Benzo(b)fluoranthene	10000.00	564523	1.148	0.700	PASS
90	Benzo(k)fluoranthene	10000.00	541016	1.100	0.700	PASS
91	Benzo(a)pyrene	10000.00	532708	1.084	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	10000.00	689281	1.402	0.500	PASS
93	Dibenz(a,h)anthracene	10000.00	593901	1.208	0.400	PASS
94	Benzo(g,h,i)perylene	10000.00	603527	1.228	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 200 ppb 11G20058
Data File Name 1104A_04.D
Acquired 4 Nov 2011 7:56 pm

level **200** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	228507			
2	Pyridine	158.58	6882	1.205		
3	N-Nitrosodimethylamine	212.86	4151	0.727		
4	2-Fluorophenol	156.15	6457	1.130		
5	Aniline	143.33	6308	1.104		
6	bis(2-Chloroethyl)ether	174.79	8707	1.524	0.700	PASS
7	Phenol-d5	149.39	6422	1.124		
8	Phenol	183.42	9446	1.654	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	175.20	7564	1.324	0.800	PASS
11	n-Decane	237.09	5021	0.879		
12	1,3-Dichlorobenzene	180.19	8657	1.515		
13	1,4-Dichlorobenzene	171.59	8329	1.458		
14	Benzyl Alcohol	159.54	4655	0.815		
15	1,2-Dichlorobenzene	191.47	8532	1.494		
16	bis(2-Chloroisopropyl)ether	191.25	2742	0.480	0.010	PASS
17	2-Methylphenol	179.82	6831	1.196	0.700	PASS
18	Hexachloroethane	184.84	3206	0.561	0.300	PASS
19	N-Nitrosodi-n-propylamine	172.92	4735	0.829	0.500	PASS
20	3&4-Methyl phenol	174.10	7215	1.263	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	875808			
23	Nitrobenzene-d5	174.44	7158	0.327		
24	Nitrobenzene	174.28	6698	0.306	0.200	PASS
25	Isophorone	163.98	12314	0.562	0.400	PASS
26	2-Nitrophenol	162.54	3622	0.165	0.100	PASS
27	2,4-Dimethylphenol	153.02	5733	0.262	0.200	PASS
28	bis(2-Chlorethoxy)methane	176.53	8290	0.379	0.300	PASS
29	2,4-Dichlorophenol	159.43	5277	0.241	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	183.92	7694	0.351		
32	Naphthalene	186.24	23438	1.070	0.700	PASS
33	4-Chloroaniline	181.81	2037	0.093	0.010	PASS
34	Hexachloro-1,3-butadiene	175.06	3587	0.164	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	146.56	4943	0.226	0.200	PASS
37	2-Methylnaphthalene	169.32	13360	0.610	0.400	PASS
38	1-Methylnaphthalene	174.41	14210	0.649		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	475739			
41	Hexachlorocyclopentadiene	117.54	1853	0.156	0.050	PASS
42	2,4,6-Trichlorophenol	122.10	2901	0.244	0.200	PASS
43	2,4,5-Trichlorophenol	144.06	3361	0.283	0.200	PASS
44	2-Fluorobiphenyl	175.93	15105	1.270		
45	Biphenyl	187.62	17910	1.506	0.010	PASS
46	2-Chloronaphthalene	182.19	13686	1.151	0.800	PASS
47	2-Nitroaniline	134.03	3004	0.253	0.010	PASS
48	Acenaphthylene	169.56	19377	1.629	0.900	PASS
49	Dimethyl phthalate	165.70	13771	1.158	0.010	PASS
50	2,6-Dinitrotoluene	136.20	2590	0.218	0.200	PASS
51	3-Nitroaniline	192.74	1983	0.167	0.010	PASS

52	Acenaphthene	178.77	13612	1.144	0.900	PASS
53	2,4-Dinitrophenol	36.12	196	0.016	0.010	PASS
54	Dibenzofuran	180.17	18046	1.517	0.800	PASS
55	2,4-Dinitrotoluene	109.53	2515	0.211	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	75.39	928	0.078	0.010	PASS
58	Fluorene	174.12	14004	1.177	0.900	PASS
59	4-Chlorophenyl-phenylether	167.34	6823	0.574	0.400	PASS
60	Diethyl phthalate	163.76	13387	1.126	0.010	PASS
61	4-Nitroaniline	154.14	1499	0.126	0.010	PASS
62	Azobenzene	160.08	12064	1.014		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	716502			
65	4,6-Dinitro-2-methylphenol	96.96	790	0.044	0.010	PASS
66	N-Nitrosodiphenylamine	178.50	10818	0.604	0.010	PASS
67	2,4,6-Tribromophenol	130.15	1045	0.058		
68	4-Bromophenyl-phenylether	185.42	3822	0.213	0.100	PASS
69	Hexachlorobenzene	173.59	3995	0.223	0.100	PASS
70	n-octadecane	204.64	2631	0.147		
71	Pentachlorophenol	76.04	859	0.048	0.050	FAIL
72	Phenanthrene	191.95	20286	1.133	0.700	PASS
73	Anthracene	171.53	17877	0.998	0.700	PASS
74	Carbazole	164.31	13280	0.741	0.010	PASS
75	Di-n-butyl phthalate	148.01	19893	1.111	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	156.90	17108	0.955	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	474962			
80	Pyrene	159.33	16926	1.425	0.600	PASS
81	p-Terphenyl-d14	156.43	11394	0.960		
82	Benzylbutyl phthalate	121.72	6379	0.537	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	173.61	12566	1.058	0.800	PASS
85	Chrysene	174.85	11904	1.003	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	114.33	8692	0.732	0.010	PASS
87	Di-n-octyl phthalate	105.89	11954	1.007	0.010	PASS
88	Perylene-d12	8000.00	457664			
89	Benzo(b)fluoranthene	157.14	10323	0.902	0.700	PASS
90	Benzo(k)fluoranthene	163.49	10293	0.900	0.700	PASS
91	Benzo(a)pyrene	152.16	9432	0.824	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	154.41	12385	1.082	0.500	PASS
93	Dibenz(a,h)anthracene	158.62	10962	0.958	0.400	PASS
94	Benzo(g,h,i)perylene	170.58	11980	1.047	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 1000 ppb 11G20058
Data File Name 1104A_05.D
Acquired 4 Nov 2011 8:17 pm

level **1000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	258878			
2	Pyridine	889.34	43726	1.351		
3	N-Nitrosodimethylamine	1028.87	22731	0.702		
4	2-Fluorophenol	849.25	39786	1.229		
5	Aniline	906.63	45203	1.397		
6	bis(2-Chloroethyl)ether	965.49	54488	1.684	0.700	PASS
7	Phenol-d5	918.07	44711	1.382		
8	Phenol	945.19	55147	1.704	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	971.23	47505	1.468	0.800	PASS
11	n-Decane	1052.76	25258	0.781		
12	1,3-Dichlorobenzene	984.08	53563	1.655		
13	1,4-Dichlorobenzene	981.63	53980	1.668		
14	Benzyl Alcohol	950.31	31413	0.971		
15	1,2-Dichlorobenzene	1001.15	50540	1.562		
16	bis(2-Chloroisopropyl)ether	983.59	15976	0.494	0.010	PASS
17	2-Methylphenol	999.54	43018	1.329	0.700	PASS
18	Hexachloroethane	980.97	19276	0.596	0.300	PASS
19	N-Nitrosodi-n-propylamine	952.31	29543	0.913	0.500	PASS
20	3&4-Methyl phenol	1022.25	47995	1.483	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	993171			
23	Nitrobenzene-d5	963.32	44826	0.361		
24	Nitrobenzene	986.47	42993	0.346	0.200	PASS
25	Isophorone	937.21	79812	0.643	0.400	PASS
26	2-Nitrophenol	914.70	23114	0.186	0.100	PASS
27	2,4-Dimethylphenol	902.92	38361	0.309	0.200	PASS
28	bis(2-Chlorethoxy)methane	984.77	52444	0.422	0.300	PASS
29	2,4-Dichlorophenol	913.68	34295	0.276	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	999.94	47437	0.382		
32	Naphthalene	1006.73	143673	1.157	0.700	PASS
33	4-Chloroaniline	1048.99	13328	0.107	0.010	PASS
34	Hexachloro-1,3-butadiene	969.65	22531	0.181	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	900.08	34424	0.277	0.200	PASS
37	2-Methylnaphthalene	962.29	86103	0.694	0.400	PASS
38	1-Methylnaphthalene	990.96	91557	0.737		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	529561			
41	Hexachlorocyclopentadiene	732.13	12848	0.194	0.050	PASS
42	2,4,6-Trichlorophenol	876.53	23181	0.350	0.200	PASS
43	2,4,5-Trichlorophenol	900.13	23376	0.353	0.200	PASS
44	2-Fluorobiphenyl	1005.05	96053	1.451		
45	Biphenyl	1063.96	113055	1.708	0.010	PASS
46	2-Chloronaphthalene	1000.48	83660	1.264	0.800	PASS
47	2-Nitroaniline	889.61	22194	0.335	0.010	PASS
48	Acenaphthylene	986.09	125440	1.895	0.900	PASS
49	Dimethyl phthalate	1005.30	93000	1.405	0.010	PASS
50	2,6-Dinitrotoluene	946.68	20039	0.303	0.200	PASS
51	3-Nitroaniline	1387.48	15890	0.240	0.010	PASS

52	Acenaphthene	1031.23	87403	1.320	0.900	PASS
53	2,4-Dinitrophenol	573.53	3464	0.052	0.010	PASS
54	Dibenzofuran	998.00	111273	1.681	0.800	PASS
55	2,4-Dinitrotoluene	832.74	21285	0.322	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	783.62	10737	0.162	0.010	PASS
58	Fluorene	1000.65	89584	1.353	0.900	PASS
59	4-Chlorophenyl-phenylether	956.97	43433	0.656	0.400	PASS
60	Diethyl phthalate	969.04	88178	1.332	0.010	PASS
61	4-Nitroaniline	1449.93	15696	0.237	0.010	PASS
62	Azobenzene	1006.04	84397	1.275		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	788053			
65	4,6-Dinitro-2-methylphenol	735.37	6590	0.067	0.010	PASS
66	N-Nitrosodiphenylamine	1077.46	71820	0.729	0.010	PASS
67	2,4,6-Tribromophenol	955.81	8441	0.086		
68	4-Bromophenyl-phenylether	1045.85	23710	0.241	0.100	PASS
69	Hexachlorobenzene	1078.12	27289	0.277	0.100	PASS
70	n-octadecane	1104.18	15614	0.159		
71	Pentachlorophenol	664.63	8258	0.084	0.050	PASS
72	Phenanthrene	1062.64	123517	1.254	0.700	PASS
73	Anthracene	984.06	112801	1.145	0.700	PASS
74	Carbazole	1060.23	94250	0.957	0.010	PASS
75	Di-n-butyl phthalate	1033.79	152821	1.551	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	964.43	115661	1.174	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	538526			
80	Pyrene	975.19	117459	1.745	0.600	PASS
81	p-Terphenyl-d14	947.74	78269	1.163		
82	Benzylbutyl phthalate	822.54	48874	0.726	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	987.56	81044	1.204	0.800	PASS
85	Chrysene	1022.67	78942	1.173	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	775.03	66808	0.992	0.010	PASS
87	Di-n-octyl phthalate	756.80	96870	1.439	0.010	PASS
88	Perylene-d12	8000.00	540618			
89	Benzo(b)fluoranthene	954.37	74058	1.096	0.700	PASS
90	Benzo(k)fluoranthene	895.46	66593	0.985	0.700	PASS
91	Benzo(a)pyrene	917.62	67193	0.994	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	919.64	87134	1.289	0.500	PASS
93	Dibenz(a,h)anthracene	920.85	75175	1.112	0.400	PASS
94	Benzo(g,h,i)perylene	951.12	78905	1.168	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
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8270D MIN RF REPORT curve 1

Sample Name STD SVMS 5000 ppb 11G20058
Data File Name 1104A_06.D
Acquired 4 Nov 2011 8:38 pm

level **5000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	268803			
2	Pyridine	4167.22	212745	1.266		
3	N-Nitrosodimethylamine	4750.67	108981	0.649		
4	2-Fluorophenol	4300.83	209213	1.245		
5	Aniline	4424.12	229036	1.363		
6	bis(2-Chloroethyl)ether	4835.25	283342	1.687	0.700	PASS
7	Phenol-d5	4551.97	230186	1.370		
8	Phenol	4639.80	281087	1.673	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	4710.06	239212	1.424	0.800	PASS
11	n-Decane	4627.81	115288	0.686		
12	1,3-Dichlorobenzene	4662.47	263505	1.568		
13	1,4-Dichlorobenzene	4643.81	265155	1.578		
14	Benzyl Alcohol	4670.23	160295	0.954		
15	1,2-Dichlorobenzene	4792.23	251196	1.495		
16	bis(2-Chloroisopropyl)ether	4626.87	78033	0.464	0.010	PASS
17	2-Methylphenol	4579.65	204655	1.218	0.700	PASS
18	Hexachloroethane	4571.55	93275	0.555	0.300	PASS
19	N-Nitrosodi-n-propylamine	4649.51	149769	0.891	0.500	PASS
20	3&4-Methyl phenol	4681.54	228226	1.358	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	1023507			
23	Nitrobenzene-d5	4615.04	221311	0.346		
24	Nitrobenzene	4657.72	209196	0.327	0.200	PASS
25	Isophorone	4636.27	406879	0.636	0.400	PASS
26	2-Nitrophenol	4675.32	121751	0.190	0.100	PASS
27	2,4-Dimethylphenol	4068.40	178127	0.278	0.200	PASS
28	bis(2-Chlorethoxy)methane	4735.36	259884	0.406	0.300	PASS
29	2,4-Dichlorophenol	4663.62	180396	0.282	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	4704.71	230009	0.360		
32	Naphthalene	4663.63	685890	1.072	0.700	PASS
33	4-Chloroaniline	4765.35	62396	0.098	0.010	PASS
34	Hexachloro-1,3-butadiene	4633.11	110944	0.173	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	4536.86	178815	0.280	0.200	PASS
37	2-Methylnaphthalene	4611.61	425239	0.665	0.400	PASS
38	1-Methylnaphthalene	4562.10	434379	0.679		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	563512			
41	Hexachlorocyclopentadiene	3845.12	71803	0.204	0.050	PASS
42	2,4,6-Trichlorophenol	4475.33	125944	0.358	0.200	PASS
43	2,4,5-Trichlorophenol	4580.81	126588	0.359	0.200	PASS
44	2-Fluorobiphenyl	4506.52	458300	1.301		
45	Biphenyl	4670.33	528080	1.499	0.010	PASS
46	2-Chloronaphthalene	4636.34	412547	1.171	0.800	PASS
47	2-Nitroaniline	4609.63	122374	0.347	0.010	PASS
48	Acenaphthylene	4688.17	634616	1.802	0.900	PASS
49	Dimethyl phthalate	4594.62	452295	1.284	0.010	PASS
50	2,6-Dinitrotoluene	4578.31	103125	0.293	0.200	PASS
51	3-Nitroaniline	5752.37	70102	0.199	0.010	PASS

52	Acenaphthene	4546.69	410065	1.164	0.900	PASS
53	2,4-Dinitrophenol	4230.43	27189	0.077	0.010	PASS
54	Dibenzofuran	4696.05	557157	1.582	0.800	PASS
55	2,4-Dinitrotoluene	4539.32	123465	0.351	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	4405.32	64231	0.182	0.010	PASS
58	Fluorene	4559.74	434384	1.233	0.900	PASS
59	4-Chlorophenyl-phenylether	4648.63	224509	0.637	0.400	PASS
60	Diethyl phthalate	4534.88	439108	1.247	0.010	PASS
61	4-Nitroaniline	5482.24	63152	0.179	0.010	PASS
62	Azobenzene	4751.18	424130	1.204		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	870959			
65	4,6-Dinitro-2-methylphenol	4778.88	47331	0.087	0.010	PASS
66	N-Nitrosodiphenylamine	4740.19	349205	0.642	0.010	PASS
67	2,4,6-Tribromophenol	4865.12	47485	0.087		
68	4-Bromophenyl-phenylether	4846.65	121436	0.223	0.100	PASS
69	Hexachlorobenzene	4769.46	133423	0.245	0.100	PASS
70	n-octadecane	4785.38	74788	0.137		
71	Pentachlorophenol	4481.80	61545	0.113	0.050	PASS
72	Phenanthrene	4767.92	612511	1.125	0.700	PASS
73	Anthracene	4664.70	590959	1.086	0.700	PASS
74	Carbazole	4936.10	484961	0.891	0.010	PASS
75	Di-n-butyl phthalate	4847.48	791967	1.455	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	4659.53	617593	1.135	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	609418			
80	Pyrene	4465.65	608681	1.598	0.600	PASS
81	p-Terphenyl-d14	4447.95	415687	1.091		
82	Benzylbutyl phthalate	4447.35	299041	0.785	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	4544.03	421997	1.108	0.800	PASS
85	Chrysene	4556.74	398049	1.045	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	4138.41	403691	1.060	0.010	PASS
87	Di-n-octyl phthalate	4293.73	621942	1.633	0.010	PASS
88	Perylene-d12	8000.00	591508			
89	Benzo(b)fluoranthene	4581.02	388943	1.052	0.700	PASS
90	Benzo(k)fluoranthene	4709.56	383206	1.037	0.700	PASS
91	Benzo(a)pyrene	4653.26	372811	1.008	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	4537.34	470370	1.272	0.500	PASS
93	Dibenz(a,h)anthracene	4621.29	412781	1.117	0.400	PASS
94	Benzo(g,h,i)perylene	4542.36	412307	1.115	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 20000 ppb 11G20058
Data File Name 1104A_07.D
Acquired 4 Nov 2011 9:00 pm

level **20000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	223134			
2	Pyridine	19571.32	829402	1.487		
3	N-Nitrosodimethylamine	20017.74	381191	0.683		
4	2-Fluorophenol	19675.27	794490	1.424		
5	Aniline	18018.93	774351	1.388		
6	bis(2-Chloroethyl)ether	20849.89	1014208	1.818	0.700	PASS
7	Phenol-d5	19624.80	823790	1.477		
8	Phenol	19681.51	989763	1.774	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	19392.41	817561	1.466	0.800	PASS
11	n-Decane	18395.90	380418	0.682		
12	1,3-Dichlorobenzene	19136.03	897751	1.609		
13	1,4-Dichlorobenzene	18596.04	881409	1.580		
14	Benzyl Alcohol	19335.31	550889	0.988		
15	1,2-Dichlorobenzene	19545.35	850452	1.525		
16	bis(2-Chloroisopropyl)ether	19266.59	269729	0.484	0.010	PASS
17	2-Methylphenol	18891.01	700773	1.256	0.700	PASS
18	Hexachloroethane	19441.84	329284	0.590	0.300	PASS
19	N-Nitrosodi-n-propylamine	19142.43	511851	0.918	0.500	PASS
20	3&4-Methyl phenol	19477.96	788228	1.413	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	872983			
23	Nitrobenzene-d5	19081.11	780451	0.358		
24	Nitrobenzene	18910.75	724443	0.332	0.200	PASS
25	Isophorone	18754.88	1403867	0.643	0.400	PASS
26	2-Nitrophenol	18184.11	403895	0.185	0.100	PASS
27	2,4-Dimethylphenol	16929.26	632206	0.290	0.200	PASS
28	bis(2-Chlorethoxy)methane	18400.53	861334	0.395	0.300	PASS
29	2,4-Dichlorophenol	19612.51	647071	0.296	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	18552.83	773636	0.354		
32	Naphthalene	18427.60	2311609	1.059	0.700	PASS
33	4-Chloroaniline	19518.66	217985	0.100	0.010	PASS
34	Hexachloro-1,3-butadiene	18420.25	376220	0.172	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	19110.35	642439	0.294	0.200	PASS
37	2-Methylnaphthalene	18731.51	1473221	0.675	0.400	PASS
38	1-Methylnaphthalene	17772.63	1443347	0.661		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	473071			
41	Hexachlorocyclopentadiene	17268.84	270719	0.229	0.050	PASS
42	2,4,6-Trichlorophenol	19343.75	457000	0.386	0.200	PASS
43	2,4,5-Trichlorophenol	19886.12	461342	0.390	0.200	PASS
44	2-Fluorobiphenyl	17871.63	1525794	1.290		
45	Biphenyl	18408.41	1747396	1.477	0.010	PASS
46	2-Chloronaphthalene	18084.43	1350909	1.142	0.800	PASS
47	2-Nitroaniline	19854.53	442492	0.374	0.010	PASS
48	Acenaphthylene	18043.66	2050479	1.734	0.900	PASS
49	Dimethyl phthalate	18253.59	1508495	1.275	0.010	PASS
50	2,6-Dinitrotoluene	18906.88	357521	0.302	0.200	PASS
51	3-Nitroaniline	17240.51	176383	0.149	0.010	PASS

52	Acenaphthene	18099.45	1370395	1.159	0.900	PASS
53	2,4-Dinitrophenol	24632.55	132905	0.112	0.010	PASS
54	Dibenzofuran	18410.94	1833765	1.551	0.800	PASS
55	2,4-Dinitrotoluene	19975.09	456105	0.386	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	19712.59	241287	0.204	0.010	PASS
58	Fluorene	18307.10	1464120	1.238	0.900	PASS
59	4-Chlorophenyl-phenylether	18515.61	750706	0.635	0.400	PASS
60	Diethyl phthalate	18900.93	1536427	1.299	0.010	PASS
61	4-Nitroaniline	16882.35	163262	0.138	0.010	PASS
62	Azobenzene	18756.19	1405612	1.188		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	769114			
65	4,6-Dinitro-2-methylphenol	22447.26	196325	0.102	0.010	PASS
66	N-Nitrosodiphenylamine	18661.84	1214038	0.631	0.010	PASS
67	2,4,6-Tribromophenol	20737.96	178740	0.093		
68	4-Bromophenyl-phenylether	19255.30	426039	0.222	0.100	PASS
69	Hexachlorobenzene	18643.09	460545	0.240	0.100	PASS
70	n-octadecane	17133.70	236461	0.123		
71	Pentachlorophenol	21816.31	264554	0.138	0.050	PASS
72	Phenanthrene	18663.70	2117267	1.101	0.700	PASS
73	Anthracene	18458.47	2065010	1.074	0.700	PASS
74	Carbazole	19256.90	1670716	0.869	0.010	PASS
75	Di-n-butyl phthalate	18285.19	2638055	1.372	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	18960.14	2219193	1.154	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	526312			
80	Pyrene	18813.86	2214681	1.683	0.600	PASS
81	p-Terphenyl-d14	19501.39	1573985	1.196		
82	Benzylbutyl phthalate	19541.22	1134773	0.862	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	19196.70	1539652	1.170	0.800	PASS
85	Chrysene	18572.19	1401114	1.065	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	19372.98	1632076	1.240	0.010	PASS
87	Di-n-octyl phthalate	20212.30	2528475	1.922	0.010	PASS
88	Perylene-d12	8000.00	536746			
89	Benzo(b)fluoranthene	19685.66	1516638	1.130	0.700	PASS
90	Benzo(k)fluoranthene	19364.73	1429789	1.066	0.700	PASS
91	Benzo(a)pyrene	19845.83	1442809	1.075	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	19610.76	1844765	1.375	0.500	PASS
93	Dibenz(a,h)anthracene	19223.18	1558080	1.161	0.400	PASS
94	Benzo(g,h,i)perylene	19556.62	1610797	1.200	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 30000 ppb 11G20058
Data File Name 1104A_08.D
Acquired 4 Nov 2011 9:21 pm

level **30000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	225701			
2	Pyridine	29143.09	1249247	1.476		
3	N-Nitrosodimethylamine	29307.08	564505	0.667		
4	2-Fluorophenol	29743.40	1214860	1.435		
5	Aniline	28765.78	1250411	1.477		
6	bis(2-Chloroethyl)ether	29066.70	1430167	1.690	0.700	PASS
7	Phenol-d5	28935.32	1228591	1.452		
8	Phenol	28497.40	1449592	1.713	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	28072.34	1197112	1.414	0.800	PASS
11	n-Decane	25597.59	535435	0.633		
12	1,3-Dichlorobenzene	27668.82	1312993	1.551		
13	1,4-Dichlorobenzene	27869.61	1336151	1.579		
14	Benzyl Alcohol	29429.04	848119	1.002		
15	1,2-Dichlorobenzene	28293.00	1245240	1.471		
16	bis(2-Chloroisopropyl)ether	27939.42	395647	0.467	0.010	PASS
17	2-Methylphenol	27705.36	1039570	1.228	0.700	PASS
18	Hexachloroethane	28944.44	495868	0.586	0.300	PASS
19	N-Nitrosodi-n-propylamine	28068.53	759161	0.897	0.500	PASS
20	3&4-Methyl phenol	28761.98	1177321	1.391	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	881717			
23	Nitrobenzene-d5	27723.74	1145295	0.346		
24	Nitrobenzene	27511.21	1064458	0.322	0.200	PASS
25	Isophorone	27994.63	2116459	0.640	0.400	PASS
26	2-Nitrophenol	26097.10	585453	0.177	0.100	PASS
27	2,4-Dimethylphenol	24330.45	917686	0.278	0.200	PASS
28	bis(2-Chlorethoxy)methane	27564.85	1303228	0.394	0.300	PASS
29	2,4-Dichlorophenol	28250.83	941398	0.285	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	26725.87	1125594	0.340		
32	Naphthalene	25708.14	3257164	0.985	0.700	PASS
33	4-Chloroaniline	26924.49	303702	0.092	0.010	PASS
34	Hexachloro-1,3-butadiene	26438.82	545396	0.165	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	27797.55	943829	0.285	0.200	PASS
37	2-Methylnaphthalene	26354.56	2093507	0.633	0.400	PASS
38	1-Methylnaphthalene	25318.06	2076696	0.628		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	477537			
41	Hexachlorocyclopentadiene	25520.70	403858	0.226	0.050	PASS
42	2,4,6-Trichlorophenol	27266.34	650254	0.363	0.200	PASS
43	2,4,5-Trichlorophenol	28695.92	672007	0.375	0.200	PASS
44	2-Fluorobiphenyl	24657.46	2125009	1.187		
45	Biphenyl	25962.74	2487747	1.389	0.010	PASS
46	2-Chloronaphthalene	26138.83	1971007	1.101	0.800	PASS
47	2-Nitroaniline	29768.99	669716	0.374	0.010	PASS
48	Acenaphthylene	25991.87	2981596	1.665	0.900	PASS
49	Dimethyl phthalate	27387.49	2284696	1.276	0.010	PASS
50	2,6-Dinitrotoluene	28193.29	538156	0.301	0.200	PASS
51	3-Nitroaniline	25820.66	266658	0.149	0.010	PASS

52	Acenaphthene	24964.46	1908022	1.065	0.900	PASS
53	2,4-Dinitrophenol	37428.48	203852	0.114	0.010	PASS
54	Dibenzofuran	27115.99	2726302	1.522	0.800	PASS
55	2,4-Dinitrotoluene	29921.31	689664	0.385	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	28655.85	354066	0.198	0.010	PASS
58	Fluorene	26029.85	2101403	1.173	0.900	PASS
59	4-Chlorophenyl-phenylether	26766.49	1095479	0.612	0.400	PASS
60	Diethyl phthalate	26377.34	2164415	1.209	0.010	PASS
61	4-Nitroaniline	22289.08	217583	0.122	0.010	PASS
62	Azobenzene	27723.80	2097269	1.171		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	789858			
65	4,6-Dinitro-2-methylphenol	32872.82	295262	0.100	0.010	PASS
66	N-Nitrosodiphenylamine	26321.31	1758505	0.594	0.010	PASS
67	2,4,6-Tribromophenol	31774.60	281251	0.095		
68	4-Bromophenyl-phenylether	27042.94	614485	0.207	0.100	PASS
69	Hexachlorobenzene	25745.60	653154	0.221	0.100	PASS
70	n-octadecane	24325.99	344776	0.116		
71	Pentachlorophenol	32934.76	410153	0.138	0.050	PASS
72	Phenanthrene	26424.82	3078564	1.039	0.700	PASS
73	Anthracene	26376.81	3030449	1.023	0.700	PASS
74	Carbazole	28610.07	2549138	0.861	0.010	PASS
75	Di-n-butyl phthalate	25585.68	3790877	1.280	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	27708.87	3330662	1.124	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	557176			
80	Pyrene	26094.69	3251881	1.556	0.600	PASS
81	p-Terphenyl-d14	27081.48	2313963	1.107		
82	Benzylbutyl phthalate	27605.89	1697103	0.812	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	27768.42	2357742	1.128	0.800	PASS
85	Chrysene	27134.52	2167113	1.037	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	27758.79	2475675	1.185	0.010	PASS
87	Di-n-octyl phthalate	29488.48	3905211	1.869	0.010	PASS
88	Perylene-d12	8000.00	581885			
89	Benzo(b)fluoranthene	29911.24	2498244	1.145	0.700	PASS
90	Benzo(k)fluoranthene	27388.00	2192245	1.005	0.700	PASS
91	Benzo(a)pyrene	29438.08	2320157	1.063	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	27818.93	2836975	1.300	0.500	PASS
93	Dibenz(a,h)anthracene	27610.66	2426105	1.112	0.400	PASS
94	Benzo(g,h,i)perylene	27390.96	2445810	1.121	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 40000 ppb 11G20058
Data File Name 1104A_09.D
Acquired 4 Nov 2011 9:42 pm

level **40000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	216786			
2	Pyridine	37580.80	1547307	1.427		
3	N-Nitrosodimethylamine	36524.37	675734	0.623		
4	2-Fluorophenol	37268.74	1462103	1.349		
5	Aniline	36531.40	1525249	1.407		
6	bis(2-Chloroethyl)ether	36983.30	1747811	1.612	0.700	PASS
7	Phenol-d5	37446.91	1527189	1.409		
8	Phenol	35965.42	1757209	1.621	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	35250.07	1443823	1.332	0.800	PASS
11	n-Decane	31132.27	625484	0.577		
12	1,3-Dichlorobenzene	35083.47	1599087	1.475		
13	1,4-Dichlorobenzene	34457.38	1586736	1.464		
14	Benzyl Alcohol	36979.69	1023627	0.944		
15	1,2-Dichlorobenzene	35100.54	1483835	1.369		
16	bis(2-Chloroisopropyl)ether	34621.51	470906	0.434	0.010	PASS
17	2-Methylphenol	35263.28	1270897	1.172	0.700	PASS
18	Hexachloroethane	37288.11	613577	0.566	0.300	PASS
19	N-Nitrosodi-n-propylamine	35154.82	913265	0.843	0.500	PASS
20	3&4-Methyl phenol	36752.03	1444958	1.333	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	824326			
23	Nitrobenzene-d5	37162.84	1435305	0.348		
24	Nitrobenzene	35790.09	1294647	0.314	0.200	PASS
25	Isophorone	35970.37	2542435	0.617	0.400	PASS
26	2-Nitrophenol	34272.20	718806	0.174	0.100	PASS
27	2,4-Dimethylphenol	32237.05	1136761	0.276	0.200	PASS
28	bis(2-Chlorethoxy)methane	35750.13	1580200	0.383	0.300	PASS
29	2,4-Dichlorophenol	37850.27	1179182	0.286	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	34621.45	1363217	0.331		
32	Naphthalene	33556.14	3974758	0.964	0.700	PASS
33	4-Chloroaniline	37430.14	394722	0.096	0.010	PASS
34	Hexachloro-1,3-butadiene	34081.14	657285	0.159	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	37544.36	1191794	0.289	0.200	PASS
37	2-Methylnaphthalene	33544.01	2491170	0.604	0.400	PASS
38	1-Methylnaphthalene	32309.23	2477644	0.601		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	453565			
41	Hexachlorocyclopentadiene	34510.87	518710	0.229	0.050	PASS
42	2,4,6-Trichlorophenol	35830.27	811594	0.358	0.200	PASS
43	2,4,5-Trichlorophenol	37364.33	831081	0.366	0.200	PASS
44	2-Fluorobiphenyl	31655.09	2591126	1.143		
45	Biphenyl	33088.77	3011402	1.328	0.010	PASS
46	2-Chloronaphthalene	32268.28	2311055	1.019	0.800	PASS
47	2-Nitroaniline	38817.73	829448	0.366	0.010	PASS
48	Acenaphthylene	32975.53	3592821	1.584	0.900	PASS
49	Dimethyl phthalate	34692.39	2748799	1.212	0.010	PASS
50	2,6-Dinitrotoluene	36246.73	657149	0.290	0.200	PASS
51	3-Nitroaniline	34898.46	342315	0.151	0.010	PASS

52	Acenaphthene	30448.93	2210374	0.975	0.900	PASS
53	2,4-Dinitrophenol	50429.99	260876	0.115	0.010	PASS
54	Dibenzofuran	33502.05	3199281	1.411	0.800	PASS
55	2,4-Dinitrotoluene	39117.40	856366	0.378	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	35640.01	418255	0.184	0.010	PASS
58	Fluorene	32726.82	2509424	1.107	0.900	PASS
59	4-Chlorophenyl-phenylether	33143.23	1288368	0.568	0.400	PASS
60	Diethyl phthalate	33106.54	2580215	1.138	0.010	PASS
61	4-Nitroaniline	27531.57	255268	0.113	0.010	PASS
62	Azobenzene	33740.42	2424289	1.069		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	752732			
65	4,6-Dinitro-2-methylphenol	43668.13	373789	0.099	0.010	PASS
66	N-Nitrosodiphenylamine	32944.26	2097525	0.557	0.010	PASS
67	2,4,6-Tribromophenol	41849.38	353016	0.094		
68	4-Bromophenyl-phenylether	35100.51	760085	0.202	0.100	PASS
69	Hexachlorobenzene	33254.92	804007	0.214	0.100	PASS
70	n-octadecane	29200.41	394409	0.105		
71	Pentachlorophenol	43095.12	511459	0.136	0.050	PASS
72	Phenanthrene	33239.11	3690429	0.981	0.700	PASS
73	Anthracene	31778.59	3479451	0.924	0.700	PASS
74	Carbazole	36898.64	3133114	0.832	0.010	PASS
75	Di-n-butyl phthalate	30931.65	4367543	1.160	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	34478.14	3949544	1.049	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	499655			
80	Pyrene	35028.52	3914552	1.567	0.600	PASS
81	p-Terphenyl-d14	37226.74	2852443	1.142		
82	Benzylbutyl phthalate	36783.54	2027859	0.812	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	38661.96	2943790	1.178	0.800	PASS
85	Chrysene	37466.34	2683358	1.074	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	37726.32	3017279	1.208	0.010	PASS
87	Di-n-octyl phthalate	41222.39	4895569	1.960	0.010	PASS
88	Perylene-d12	8000.00	565091			
89	Benzo(b)fluoranthene	40400.64	3276950	1.160	0.700	PASS
90	Benzo(k)fluoranthene	34177.46	2656745	0.940	0.700	PASS
91	Benzo(a)pyrene	38736.63	2964907	1.049	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	35720.66	3537657	1.252	0.500	PASS
93	Dibenz(a,h)anthracene	35292.47	3011592	1.066	0.400	PASS
94	Benzo(g,h,i)perylene	36158.77	3135525	1.110	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 50000 ppb 11G20058
Data File Name 1104A_10.D
Acquired 4 Nov 2011 10:03 pm

level **50000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	206912			
2	Pyridine	49140.59	1931102	1.493		
3	N-Nitrosodimethylamine	48172.41	850640	0.658		
4	2-Fluorophenol	49395.19	1849577	1.430		
5	Aniline	57113.81	2275988	1.760		
6	bis(2-Chloroethyl)ether	40126.19	1809969	1.400	0.700	PASS
7	Phenol-d5	47484.88	1848360	1.429		
8	Phenol	46580.60	2172190	1.680	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	45393.41	1774603	1.372	0.800	PASS
11	n-Decane	39380.05	755155	0.584		
12	1,3-Dichlorobenzene	45355.34	1973115	1.526		
13	1,4-Dichlorobenzene	44249.70	1944855	1.504		
14	Benzyl Alcohol	48535.75	1282315	0.992		
15	1,2-Dichlorobenzene	44573.10	1798453	1.391		
16	bis(2-Chloroisopropyl)ether	45670.04	592890	0.458	0.010	PASS
17	2-Methylphenol	45637.07	1569856	1.214	0.700	PASS
18	Hexachloroethane	47956.87	753189	0.582	0.300	PASS
19	N-Nitrosodi-n-propylamine	45959.63	1139575	0.881	0.500	PASS
20	3&4-Methyl phenol	48549.12	1821838	1.409	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	818937			
23	Nitrobenzene-d5	46301.39	1776564	0.347		
24	Nitrobenzene	45288.29	1627519	0.318	0.200	PASS
25	Isophorone	45147.98	3170259	0.619	0.400	PASS
26	2-Nitrophenol	42613.51	887909	0.173	0.100	PASS
27	2,4-Dimethylphenol	40542.98	1420303	0.277	0.200	PASS
28	bis(2-Chlorethoxy)methane	44416.35	1950423	0.381	0.300	PASS
29	2,4-Dichlorophenol	46218.16	1430461	0.279	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	42186.30	1650223	0.322		
32	Naphthalene	39503.05	4648585	0.908	0.700	PASS
33	4-Chloroaniline	46879.03	491134	0.096	0.010	PASS
34	Hexachloro-1,3-butadiene	41320.40	791691	0.155	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	47234.50	1489592	0.291	0.200	PASS
37	2-Methylnaphthalene	41660.83	3073745	0.601	0.400	PASS
38	1-Methylnaphthalene	38682.72	2947004	0.576		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	451651			
41	Hexachlorocyclopentadiene	42414.04	634807	0.225	0.050	PASS
42	2,4,6-Trichlorophenol	44834.02	1011253	0.358	0.200	PASS
43	2,4,5-Trichlorophenol	47368.22	1049148	0.372	0.200	PASS
44	2-Fluorobiphenyl	38480.42	3136521	1.111		
45	Biphenyl	40129.11	3636731	1.288	0.010	PASS
46	2-Chloronaphthalene	40418.83	2882582	1.021	0.800	PASS
47	2-Nitroaniline	50308.42	1070442	0.379	0.010	PASS
48	Acenaphthylene	40154.14	4356498	1.543	0.900	PASS
49	Dimethyl phthalate	43594.53	3439570	1.218	0.010	PASS
50	2,6-Dinitrotoluene	46134.36	832881	0.295	0.200	PASS
51	3-Nitroaniline	53208.22	519711	0.184	0.010	PASS

52	Acenaphthene	37623.63	2719680	0.963	0.900	PASS
53	2,4-Dinitrophenol	63357.04	326365	0.116	0.010	PASS
54	Dibenzofuran	41741.85	3969320	1.406	0.800	PASS
55	2,4-Dinitrotoluene	50201.43	1094382	0.388	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	48406.19	565676	0.200	0.010	PASS
58	Fluorene	40911.73	3123788	1.107	0.900	PASS
59	4-Chlorophenyl-phenylether	40952.14	1585204	0.562	0.400	PASS
60	Diethyl phthalate	41641.96	3231742	1.145	0.010	PASS
61	4-Nitroaniline	35998.56	332364	0.118	0.010	PASS
62	Azobenzene	46755.21	3345241	1.185		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	771913			
65	4,6-Dinitro-2-methylphenol	57882.51	508086	0.105	0.010	PASS
66	N-Nitrosodiphenylamine	39205.34	2559768	0.531	0.010	PASS
67	2,4,6-Tribromophenol	50330.61	435377	0.090		
68	4-Bromophenyl-phenylether	43503.00	966042	0.200	0.100	PASS
69	Hexachlorobenzene	39592.82	981631	0.203	0.100	PASS
70	n-octadecane	32956.68	456488	0.095		
71	Pentachlorophenol	54993.84	669306	0.139	0.050	PASS
72	Phenanthrene	39410.45	4487112	0.930	0.700	PASS
73	Anthracene	39092.39	4389310	0.910	0.700	PASS
74	Carbazole	47467.62	4133246	0.857	0.010	PASS
75	Di-n-butyl phthalate	35304.84	5112064	1.060	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	41264.85	4847428	1.005	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	528252			
80	Pyrene	41083.68	4854008	1.470	0.600	PASS
81	p-Terphenyl-d14	44436.82	3599779	1.090		
82	Benzylbutyl phthalate	42785.06	2493718	0.755	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	48326.86	3890294	1.178	0.800	PASS
85	Chrysene	46176.20	3496443	1.059	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	44406.77	3754837	1.137	0.010	PASS
87	Di-n-octyl phthalate	49683.50	6238111	1.889	0.010	PASS
88	Perylene-d12	8000.00	578154			
89	Benzo(b)fluoranthene	52129.29	4326020	1.197	0.700	PASS
90	Benzo(k)fluoranthene	42863.27	3408949	0.943	0.700	PASS
91	Benzo(a)pyrene	48425.99	3792214	1.049	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	44211.50	4479780	1.240	0.500	PASS
93	Dibenz(a,h)anthracene	43514.62	3799044	1.051	0.400	PASS
94	Benzo(g,h,i)perylene	43351.43	3846141	1.064	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 10000 ppb 11G20059
Data File Name 1104A_11.D
Acquired 4 Nov 2011 10:24 pm

level **10000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	206130			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	10000.00	281851	1.094	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	10000.00	426284	1.654	0.010	PASS
22	Naphthalene-d8	8000.00	781224			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	149775	0.153		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	10000.00	104737	0.107	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	10000.00	298815	0.306	0.010	PASS
40	Acenaphthene-d10	8000.00	428053			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	10000.00	115681	0.216	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	10000.00	194643	0.364	0.010	PASS
64	Phenanthrene-d10	8000.00	664381			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	10000.00	183531	0.221		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	10000.00	365576	0.440		
79	Chrysene-d12	8000.00	464122			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	10000.00	160876	0.277	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	478658			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 1000 ppb 11G20059
Data File Name 1104A_12.D
Acquired 4 Nov 2011 10:45 pm

level **1000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	213285			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	1045.52	30491	1.144	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	1062.50	46865	1.758	0.010	PASS
22	Naphthalene-d8	8000.00	817928			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	8118	0.079		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	891.50	9776	0.096	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	1077.24	33702	0.330	0.010	PASS
40	Acenaphthene-d10	8000.00	448158			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	855.72	10364	0.185	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	988.35	20141	0.360	0.010	PASS
64	Phenanthrene-d10	8000.00	683058			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	804.33	15177	0.178		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	640.43	23078	0.270		
79	Chrysene-d12	8000.00	457491			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	1249.80	19819	0.347	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	444507			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 5000 ppb 11G20059
Data File Name 1104A_13.D
Acquired 4 Nov 2011 11:06 pm

level **5000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	245278			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	5057.73	169626	1.107	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	4938.93	250524	1.634	0.010	PASS
22	Naphthalene-d8	8000.00	933517			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	73180	0.125		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	4783.20	59864	0.103	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	4921.41	175727	0.301	0.010	PASS
40	Acenaphthene-d10	8000.00	492568			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	4894.07	65148	0.212	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	5024.04	112528	0.366	0.010	PASS
64	Phenanthrene-d10	8000.00	784633			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	4576.29	99191	0.202		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	4345.73	183176	0.374		
79	Chrysene-d12	8000.00	535131			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	5052.09	93711	0.280	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	526579			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 20000 ppb 11G20059
Data File Name 1104A_14.D
Acquired 4 Nov 2011 11:27 pm

level **20000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	237722			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	20039.18	651370	1.096	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	20673.48	1016344	1.710	0.010	PASS
22	Naphthalene-d8	8000.00	914552			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	408227	0.179		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	19908.17	244098	0.107	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	18835.32	658883	0.288	0.010	PASS
40	Acenaphthene-d10	8000.00	488630			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	21852.92	288572	0.236	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	21209.07	471241	0.386	0.010	PASS
64	Phenanthrene-d10	8000.00	788395			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	20213.04	440218	0.223		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	20751.85	866462	0.440		
79	Chrysene-d12	8000.00	530087			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	18469.03	339352	0.256	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	536631			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 30000 ppb 11G20059
Data File Name 1104A_15.D
Acquired 4 Nov 2011 11:49 pm

level **30000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	231931			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	28227.42	895176	1.029	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	29579.64	1418762	1.631	0.010	PASS
22	Naphthalene-d8	8000.00	861806			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	648399	0.201		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	30880.18	356791	0.110	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	28206.31	929785	0.288	0.010	PASS
40	Acenaphthene-d10	8000.00	492761			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	32586.66	433951	0.235	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	28427.59	636968	0.345	0.010	PASS
64	Phenanthrene-d10	8000.00	757154			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	32604.96	681962	0.240		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	30609.22	1229197	0.433		
79	Chrysene-d12	8000.00	509828			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	26957.12	476383	0.249	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	517336			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 40000 ppb 11G20059
Data File Name 1104A_16.D
Acquired 5 Nov 2011 12:10 am

level **40000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	221194			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	36508.87	1104206	0.998	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	39051.60	1786364	1.615	0.010	PASS
22	Naphthalene-d8	8000.00	831643			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	877565	0.211		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	40356.40	449960	0.108	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	35777.83	1138093	0.274	0.010	PASS
40	Acenaphthene-d10	8000.00	464430			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	44298.52	555999	0.239	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	38286.43	808549	0.348	0.010	PASS
64	Phenanthrene-d10	8000.00	734488			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	41568.60	843417	0.230		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	41272.39	1575268	0.429		
79	Chrysene-d12	8000.00	484562			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	37603.43	631591	0.261	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	513175			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
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8270D MIN RF REPORT curve 2

Sample Name STD TCL 50000 ppb 11G20059
Data File Name 1104A_17.D
Acquired 5 Nov 2011 12:31 am

level **50000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	229852			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	43150.22	1356156	0.944	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	47973.85	2280398	1.587	0.010	PASS
22	Naphthalene-d8	8000.00	868110			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	1205364	0.222		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	50967.21	593185	0.109	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	43711.44	1451432	0.268	0.010	PASS
40	Acenaphthene-d10	8000.00	483465			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	56614.60	739704	0.245	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	46694.55	1026532	0.340	0.010	PASS
64	Phenanthrene-d10	8000.00	765309			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	53551.57	1132143	0.237		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	50362.04	2069782	0.433		
79	Chrysene-d12	8000.00	521766			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	48124.42	870363	0.267	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	536924			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

Response Factor Report BNAMS10

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration

Calibration Files
1K =1104A_05.D 5K =1104A_06.D 10K =1104A_03.D
20K =1104A_07.D 30K =1104A_08.D 40K =1104A_09.D

		Compound	1K	5K	10K	20K	30K	40K	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)	TM	Pyridine	1.351	1.266	1.519	1.487	1.476	1.427	1.403	8.32
3)	MT	N-Nitrosodimeth	0.702	0.649	0.683	0.683	0.667	0.623	0.674	4.78
4)	S	2-Fluorophenol	1.229	1.245	1.448	1.424	1.435	1.349	1.336	8.99
5)	MT	Aniline	1.397	1.363	1.541	1.388	1.477	1.407	1.430	12.88
6)	MT	bis(2-Chloroeth	1.684	1.687	1.744	1.818	1.690	1.612	1.645	7.99
7)	S	Phenol-d5	1.382	1.370	1.505	1.477	1.452	1.409	1.393	8.47
8)	MC	Phenol	1.704	1.673	1.803	1.774	1.713	1.621	1.703	3.56
9)		Benzaldehyde							1.059	6.65
10)	MT	2-Chlorophenol	1.468	1.424	1.512	1.466	1.414	1.332	1.414	4.76
11)	T	n-Decane	0.781	0.686	0.741	0.682	0.633	0.577	0.695	14.75
12)	MT	1,3-Dichloroben	1.655	1.568	1.682	1.609	1.551	1.475	1.573	4.53
13)	MTC	1,4-Dichloroben	1.668	1.578	1.699	1.580	1.579	1.464	1.566	5.64
14)	MT	Benzyl Alcohol	0.971	0.954	1.021	0.988	1.002	0.944	0.961	6.67
15)	MT	1,2-Dichloroben	1.562	1.495	1.560	1.525	1.471	1.369	1.483	4.82
16)	MT	bis(2-Chloroiso	0.494	0.464	0.502	0.484	0.467	0.434	0.473	4.54
17)	MT	2-Methylphenol	1.329	1.218	1.330	1.256	1.228	1.172	1.243	4.72
18)	MT	Hexachloroethan	0.596	0.555	0.607	0.590	0.586	0.566	0.580	3.12
19)	MP	N-Nitrosodi-n-p	0.913	0.891	0.959	0.918	0.897	0.843	0.891	4.67
20)	MT	3&4-Methyl phen	1.483	1.358	1.451	1.413	1.391	1.333	1.388	4.99
21)	MT	Acetophenone							1.656	3.55
22)	I	Naphthalene-d8	----------ISTD----------							
23)	S	Nitrobenzene-d5	0.361	0.346	0.375	0.358	0.346	0.348	0.351	3.97
24)	MT	Nitrobenzene	0.346	0.327	0.351	0.332	0.322	0.314	0.327	4.76
25)	MT	Isophorone	0.643	0.636	0.686	0.643	0.640	0.617	0.631	5.51
26)	MCT	2-Nitrophenol	0.186	0.190	0.204	0.185	0.177	0.174	0.182	6.54
27)	MT	2,4-Dimethylphe	0.309	0.278	0.342	0.290	0.278	0.276	0.289	8.79
28)	MT	bis(2-Chloretho	0.422	0.406	0.429	0.395	0.394	0.383	0.399	4.76
29)	MCT	2,4-Dichlorophe	0.276	0.282	0.302	0.296	0.285	0.286	0.281	6.53
30)	MT	Benzoic Acid							0.167	30.75
31)	MT	1,2,4-Trichloro	0.382	0.360	0.382	0.354	0.340	0.331	0.353	6.18
32)	MT	Naphthalene	1.157	1.072	1.150	1.059	0.985	0.964	1.046	8.39
33)	MT	4-Chloroaniline	0.107	0.098	0.102	0.100	0.092	0.096	0.098	5.20
34)	MCT	Hexachloro-1,3-	0.181	0.173	0.187	0.172	0.165	0.159	0.170	6.50
35)	MT	Caprolactam							0.106	4.83
37)	MT	2-Methylnaphtha	0.694	0.665	0.721	0.675	0.633	0.604	0.650	6.91

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report BNAMS10

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration

Calibration Files
1K =1104A_05.D 5K =1104A_06.D 10K =1104A_03.D
20K =1104A_07.D 30K =1104A_08.D 40K =1104A_09.D

		Compound	1K	5K	10K	20K	30K	40K	Avg	%RSD
38)	MT	1-Methylnaphtha	0.737	0.679	0.744	0.661	0.628	0.601	0.660	9.09
39)	MT	1,2,4,5-Tetrach							0.293	7.16
40)	I	Acenaphthene-d10	----------ISTD----------							
41)	MPT	Hexachlorocyclo	0.194	0.204	0.265	0.229	0.226	0.229	0.224	10.02
42)	MCT	2,4,6-Trichloro	0.350	0.358	0.400	0.386	0.363	0.358	0.352	13.30
43)	MT	2,4,5-Trichloro	0.353	0.359	0.392	0.390	0.375	0.366	0.361	9.58
44)	S	2-Fluorobipheny	1.451	1.301	1.444	1.290	1.187	1.143	1.275	9.95
45)	MT	Biphenyl	1.708	1.499	1.605	1.477	1.389	1.328	1.475	9.47
46)	MT	2-Chloronaphtha	1.264	1.171	1.263	1.142	1.101	1.019	1.142	8.24
47)	MT	2-Nitroaniline	0.335	0.347	0.377	0.374	0.374	0.366	0.351	12.14
48)	MT	Acenaphthylene	1.895	1.802	1.922	1.734	1.665	1.584	1.722	8.19
49)	MT	Dimethyl phthal	1.405	1.284	1.398	1.275	1.276	1.212	1.278	6.79
50)	MT	2,6-Dinitrotolu	0.303	0.293	0.320	0.302	0.301	0.290	0.290	10.55
51)	MT	3-Nitroaniline		0.199	0.173	0.149	0.149	0.151	0.168	12.69
52)	MCT	Acenaphthene	1.320	1.164	1.280	1.159	1.065	0.975	1.134	11.40
53)	MPT	2,4-Dinitrophen	0.052	0.077	0.091	0.112	0.114	0.115	0.097	25.35
54)	MT	Dibenzofuran	1.681	1.582	1.684	1.551	1.522	1.411	1.544	6.83
55)	MT	2,4-Dinitrotolu	0.322	0.351	0.386	0.386	0.385	0.378	0.371	6.82
56)	T	2,3,4,6-Tetrach							0.224	9.42
57)	MPT	4-Nitrophenol		0.182	0.207	0.204	0.198	0.184	0.196	5.24
58)	MT	Fluorene	1.353	1.233	1.352	1.238	1.173	1.107	1.218	7.94
59)	MT	4-Chlorophenyl-	0.656	0.637	0.686	0.635	0.612	0.568	0.616	7.35
60)	MT	Diethyl phthala	1.332	1.247	1.375	1.299	1.209	1.138	1.234	7.72
61)	MT	4-Nitroaniline		0.179	0.164	0.138	0.122	0.113	0.139	19.56
62)	MT	Azobenzene	1.275	1.204	1.267	1.188	1.171	1.069	1.172	7.68
63)	MT	Atrazine							0.358	4.37
64)	I	Phenanthrene-d10	----------ISTD----------							
65)	MT	4,6-Dinitro-2-m	0.067	0.087	0.091	0.102	0.100	0.099	0.093	14.16
66)	MCT	N-Nitrosodiphen	0.729	0.642	0.677	0.631	0.594	0.557	0.621	10.30
67)	S	2,4,6-Tribromop	0.086	0.087	0.090	0.093	0.095	0.094	0.087	13.69
68)	MT	4-Bromophenyl-p	0.241	0.223	0.230	0.222	0.207	0.202	0.217	6.51
70)	T	n-octadecane	0.159	0.137	0.144	0.123	0.116	0.105	0.133	14.23
71)	MCT	Pentachlorophen	0.084	0.113	0.126	0.138	0.138	0.136	0.125	16.31#
72)	MT	Phenanthrene	1.254	1.125	1.180	1.101	1.039	0.981	1.093	9.67
73)	MT	Anthracene	1.145	1.086	1.164	1.074	1.023	0.924	1.040	9.04
74)	MT	Carbazole	0.957	0.891	0.902	0.869	0.861	0.832	0.864	7.18

(#) = Out of Range ### Number of calibration levels exceeded format ###

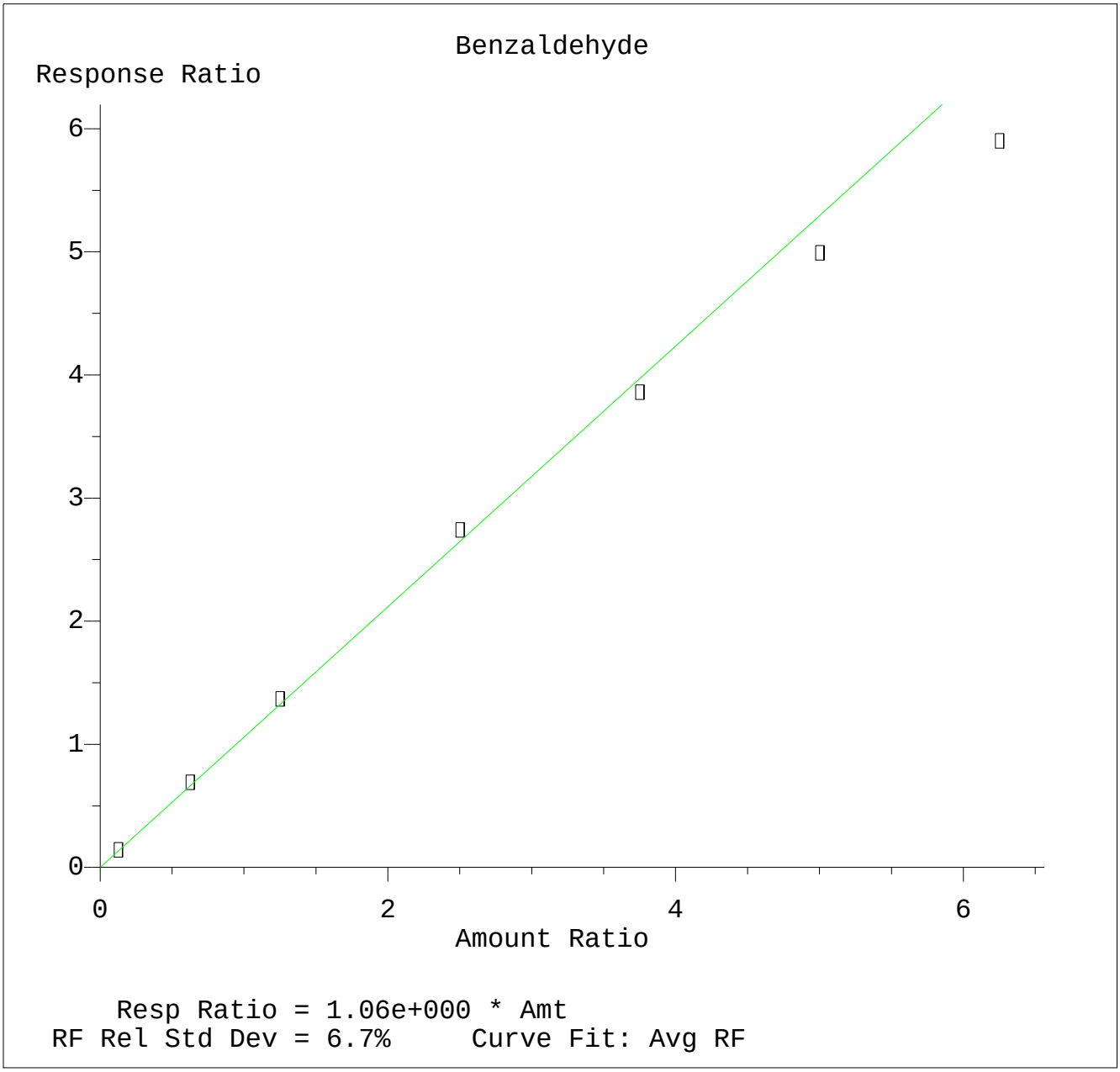
Response Factor Report BNAMS10

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration

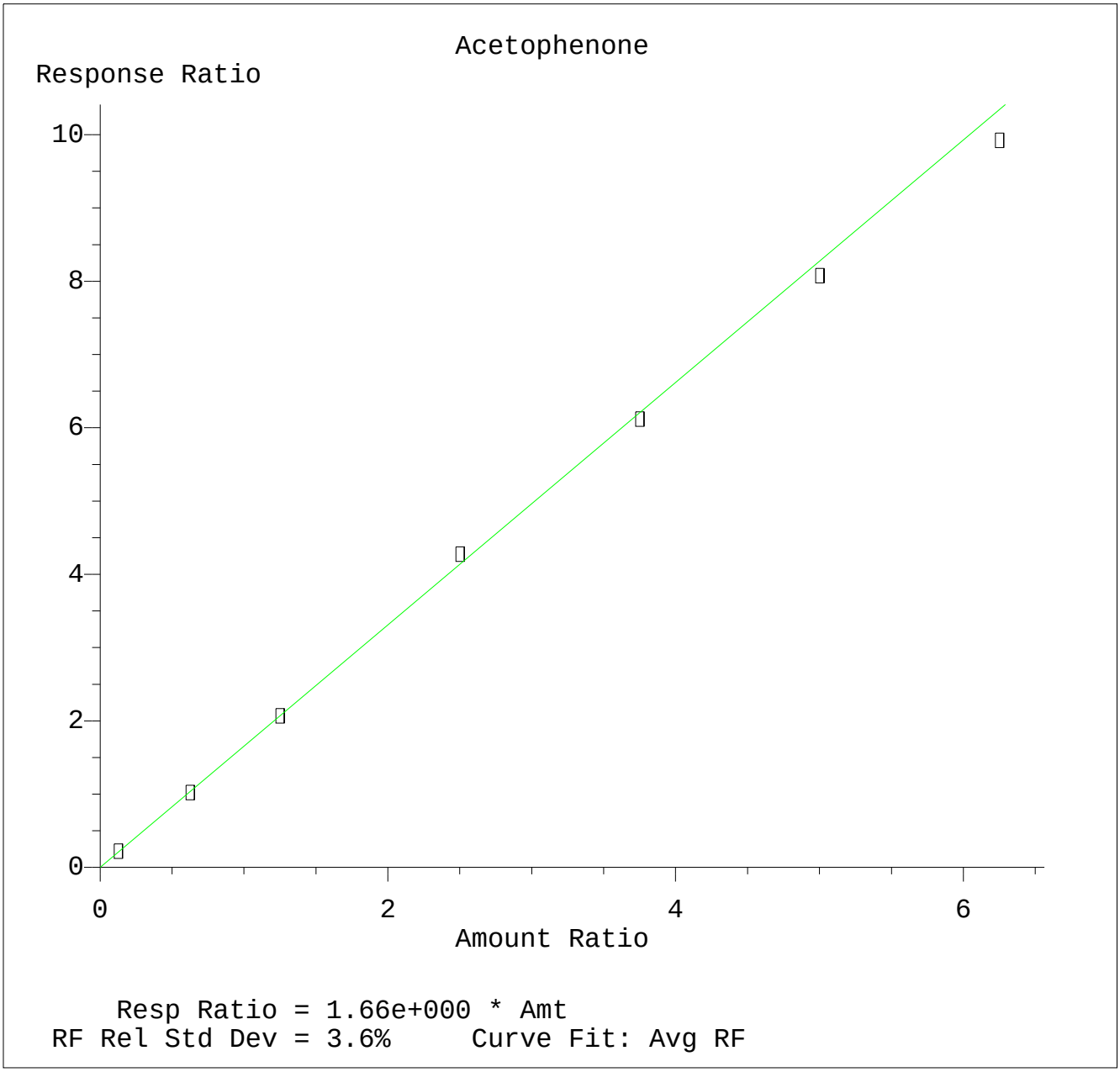
Calibration Files
1K =1104A_05.D 5K =1104A_06.D 10K =1104A_03.D
20K =1104A_07.D 30K =1104A_08.D 40K =1104A_09.D

		Compound	1K	5K	10K	20K	30K	40K	Avg	%RSD
75)	MT	Di-n-butyl phth	1.551	1.455	1.501	1.372	1.280	1.160	1.311	14.27
76)	MT	2-nitrodiphenyl							0.219	10.02
77)	MCT	Fluoranthene	1.174	1.135	1.217	1.154	1.124	1.049	1.102	8.16
78)	I	Chrysene-d12	----------ISTD----------							
79)	MT	Benzidine							0.627	6.33
80)	MT	Pyrene	1.745	1.598	1.789	1.683	1.556	1.567	1.604	7.95
81)	S	p-Terphenyl-d14	1.163	1.091	1.227	1.196	1.107	1.142	1.122	7.31
82)	MT	Benzylbutyl pht	0.726	0.785	0.883	0.862	0.812	0.812	0.772	13.97
83)	MT	3,3-Dichloroben							0.277	11.83
84)	MT	Benzo(a)anthrac	1.204	1.108	1.219	1.170	1.128	1.178	1.156	4.64
85)	MT	Chrysene	1.173	1.045	1.147	1.065	1.037	1.074	1.075	5.29
86)	MT	bis(2-Ethylhexy	0.992	1.060	1.281	1.240	1.185	1.208	1.158	8.81
87)	MC	Di-n-octyl phth	1.439	1.633	1.901	1.922	1.869	1.960	1.802	10.66
88)	I	Perylene-d12	----------ISTD----------							
89)	MT	Benzo(b)fluoran	1.096	1.052	1.148	1.130	1.145	1.160	1.104	8.36
90)	MT	Benzo(k)fluoran	0.985	1.037	1.100	1.066	1.005	0.940	0.997	6.86
91)	MC	Benzo(a)pyrene	0.994	1.008	1.084	1.075	1.063	1.049	1.019	8.28
92)	MT	Indeno(1,2,3-cd	1.289	1.272	1.402	1.375	1.300	1.252	1.277	7.59
93)	MT	Dibenz(a,h)anth	1.112	1.117	1.208	1.161	1.112	1.066	1.098	6.85

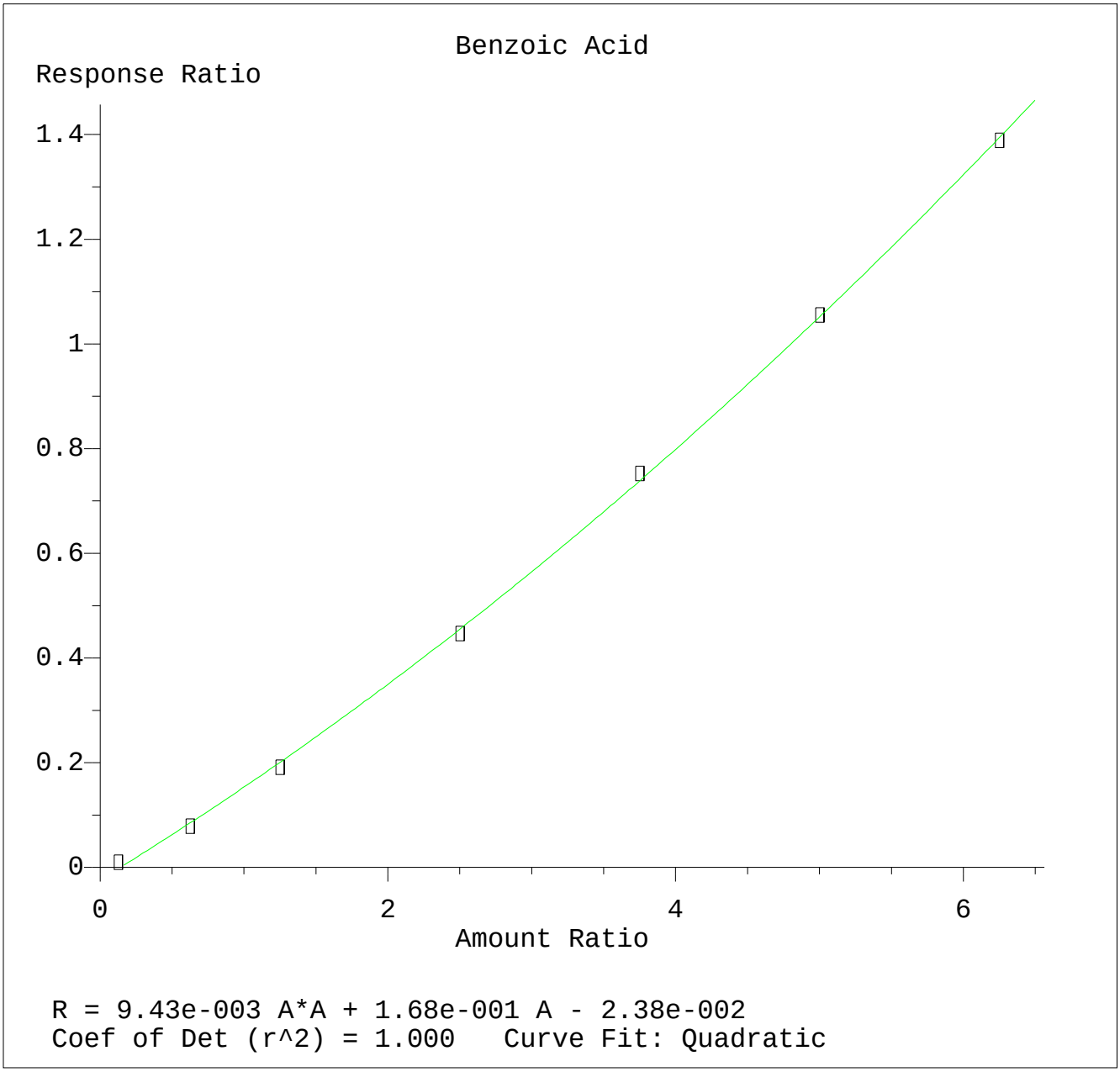
(#) = Out of Range ### Number of calibration levels exceeded format ###



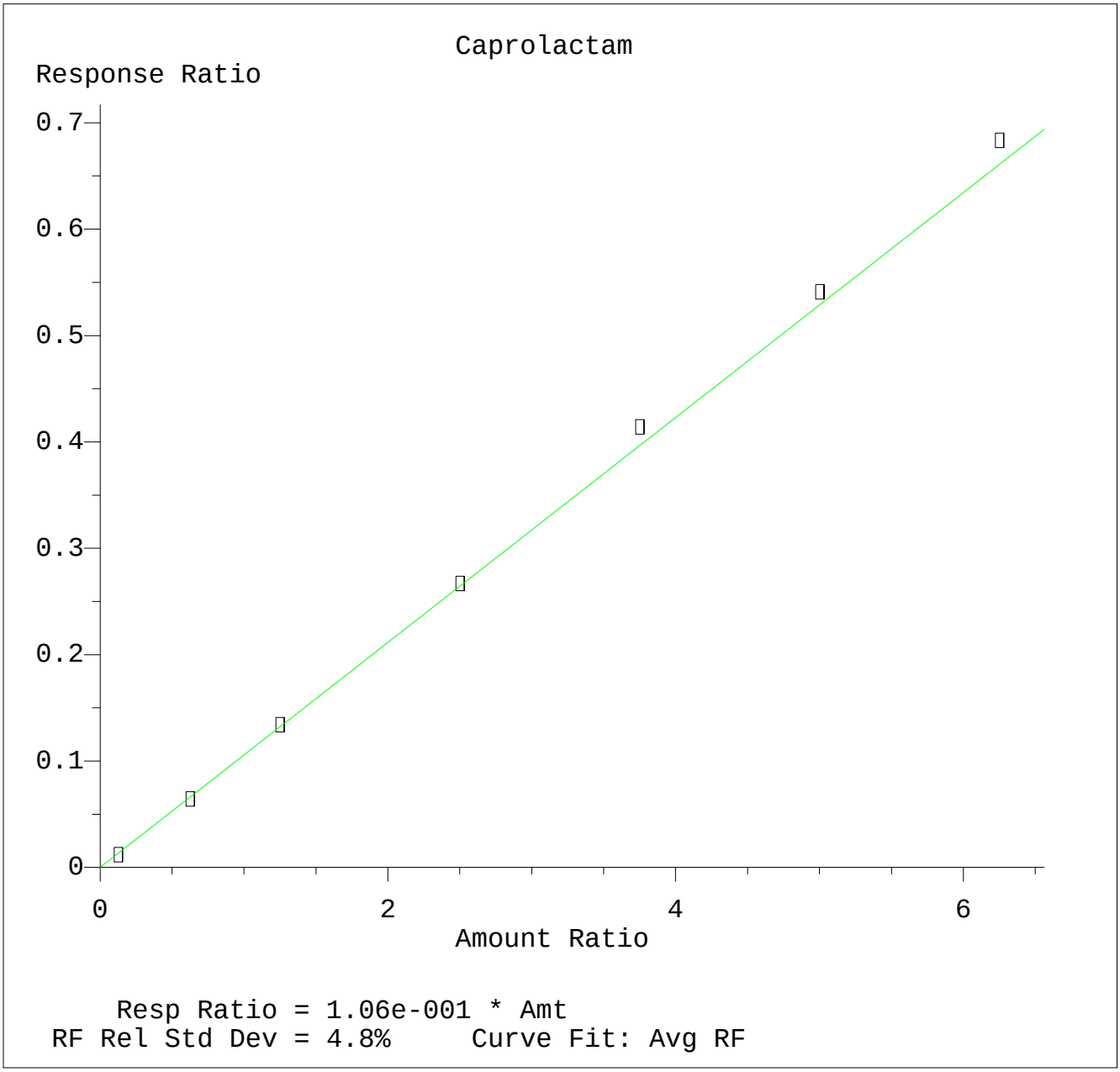
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



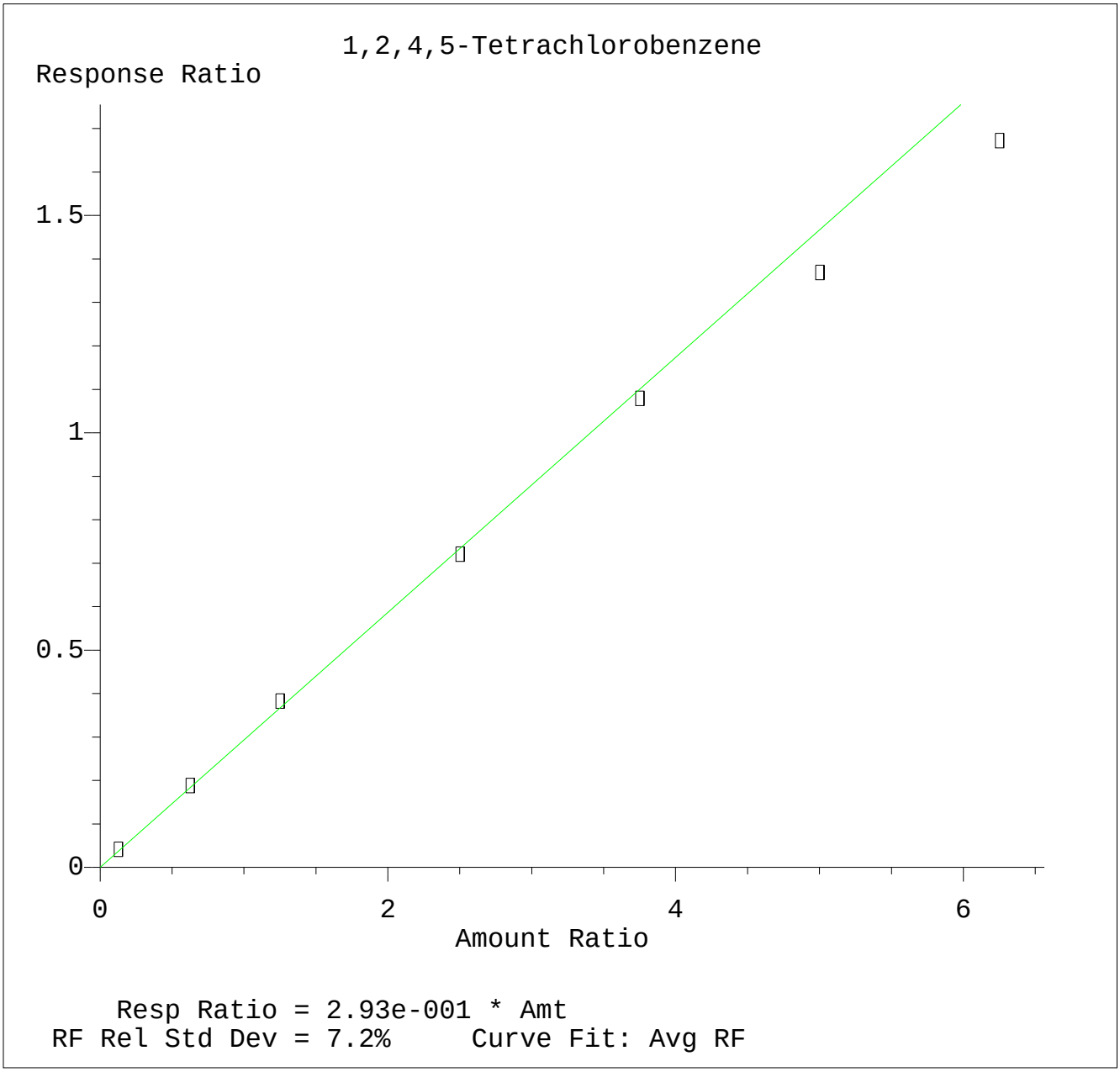
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



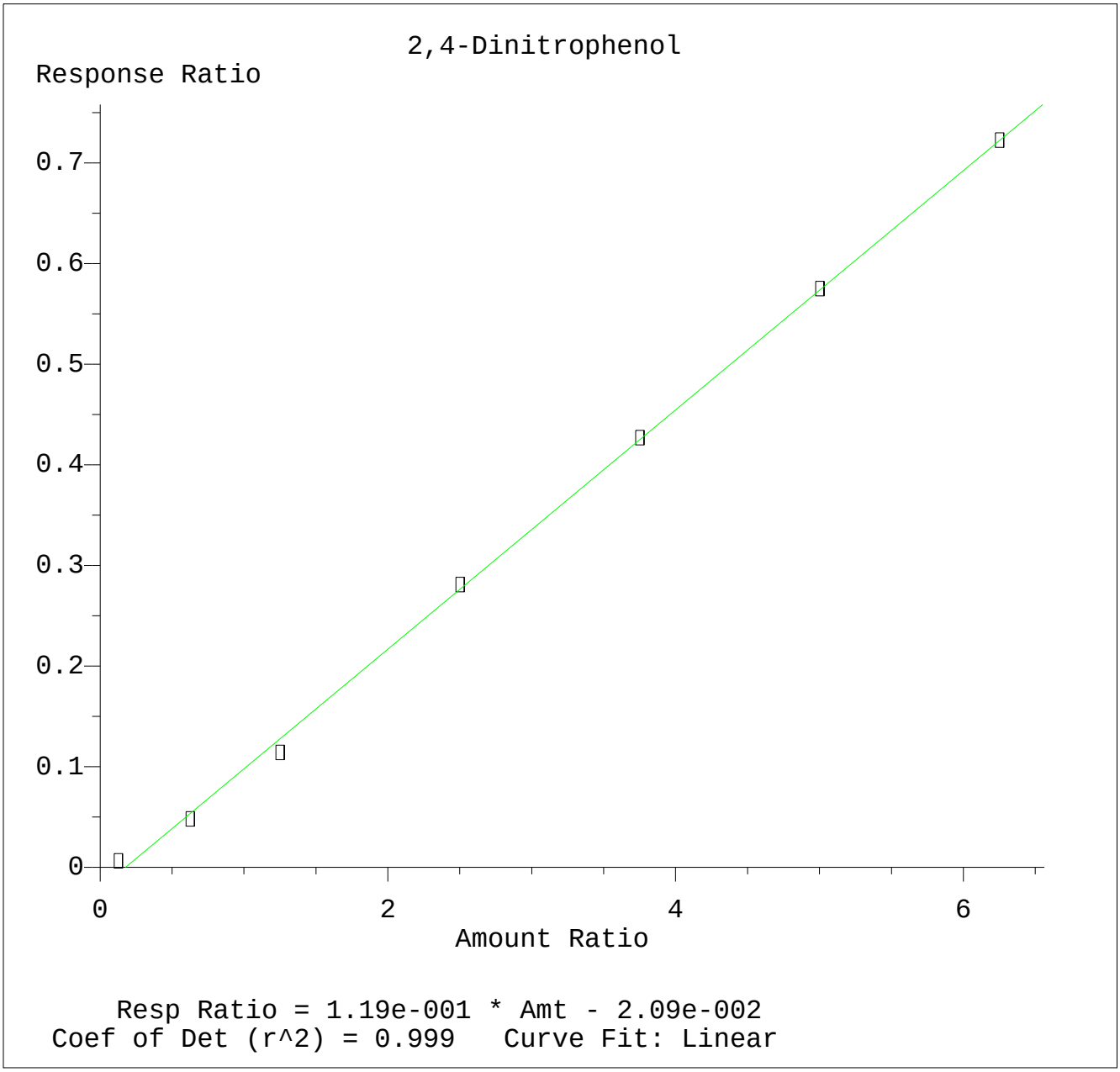
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



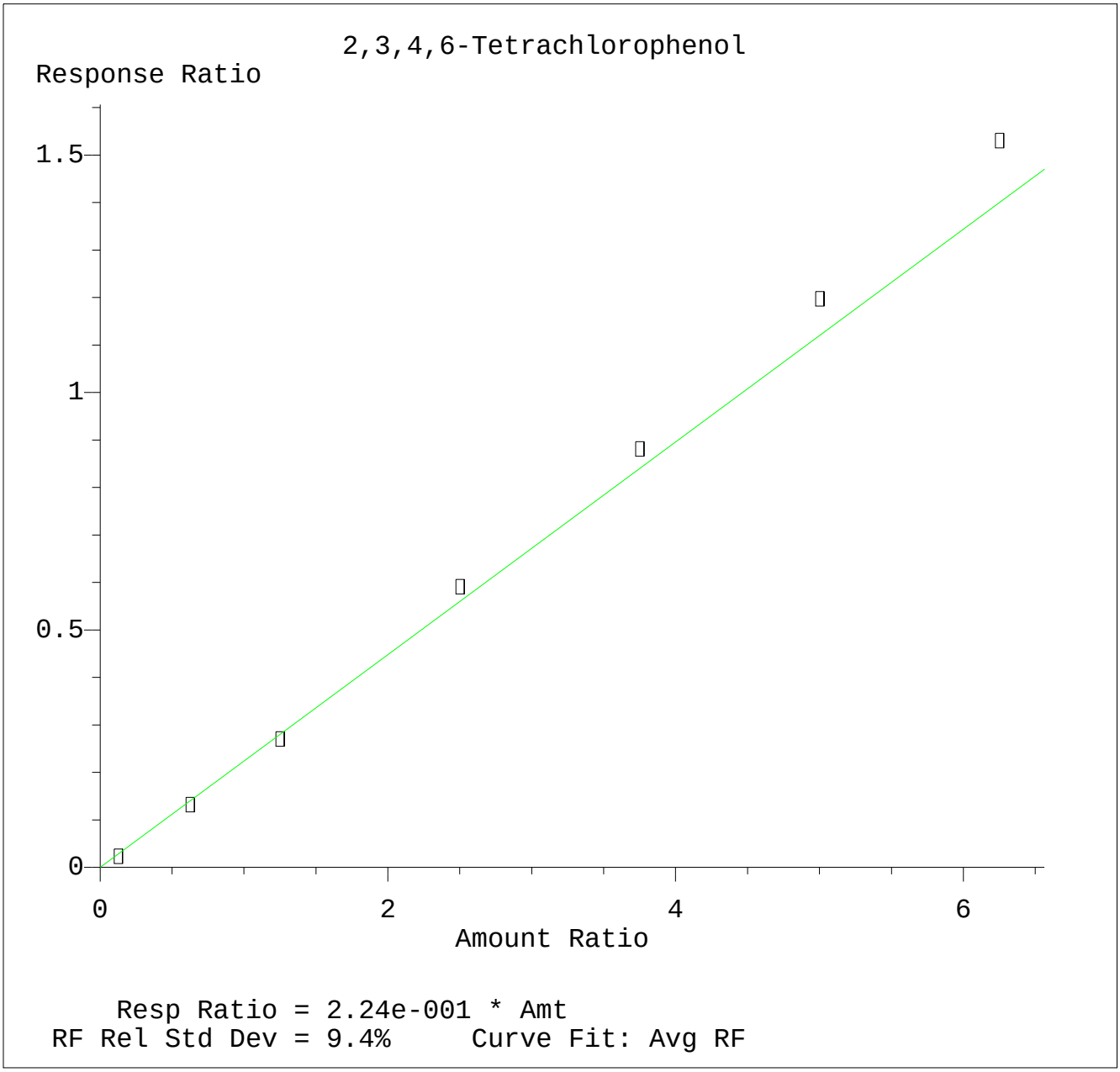
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



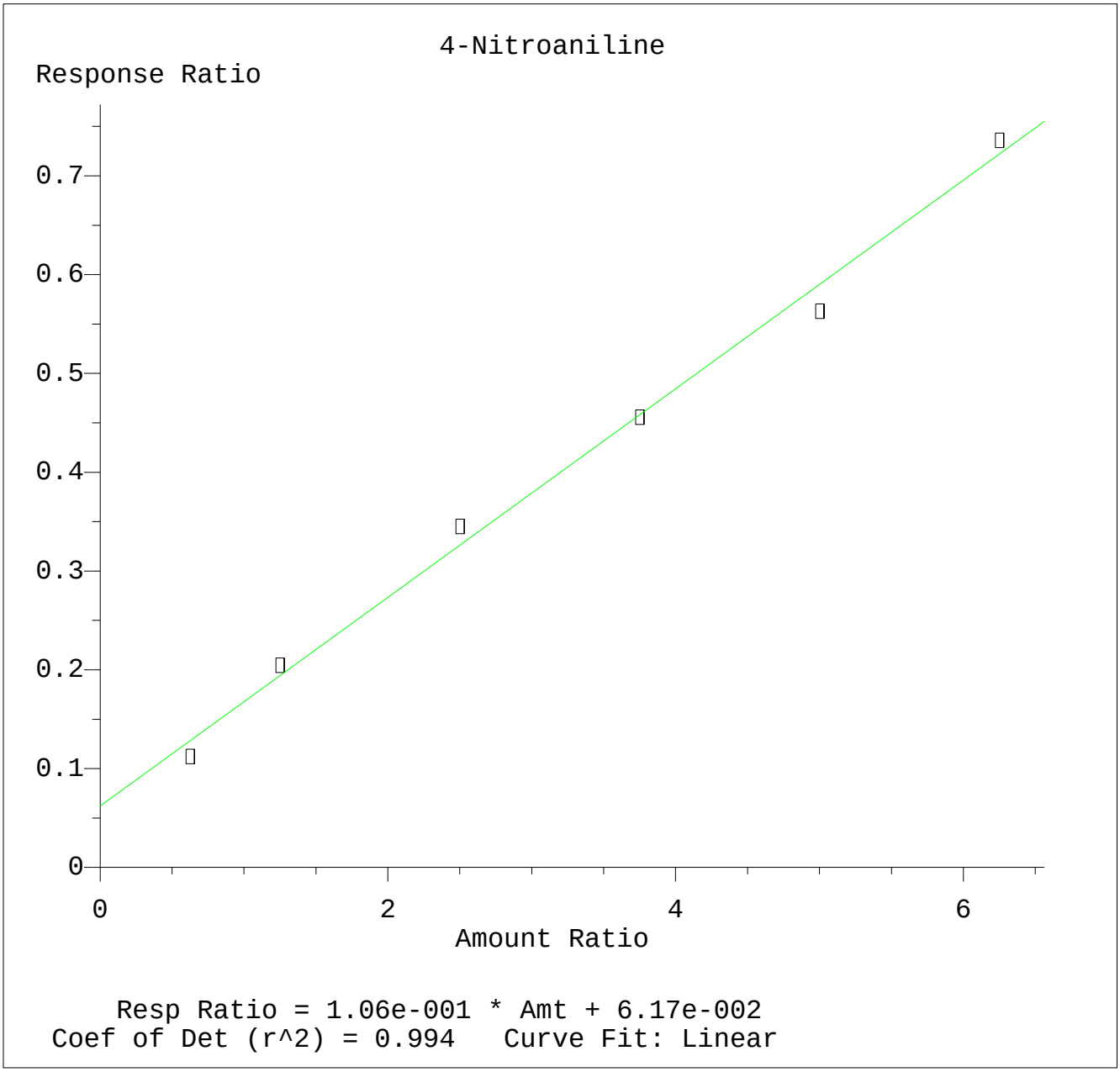
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



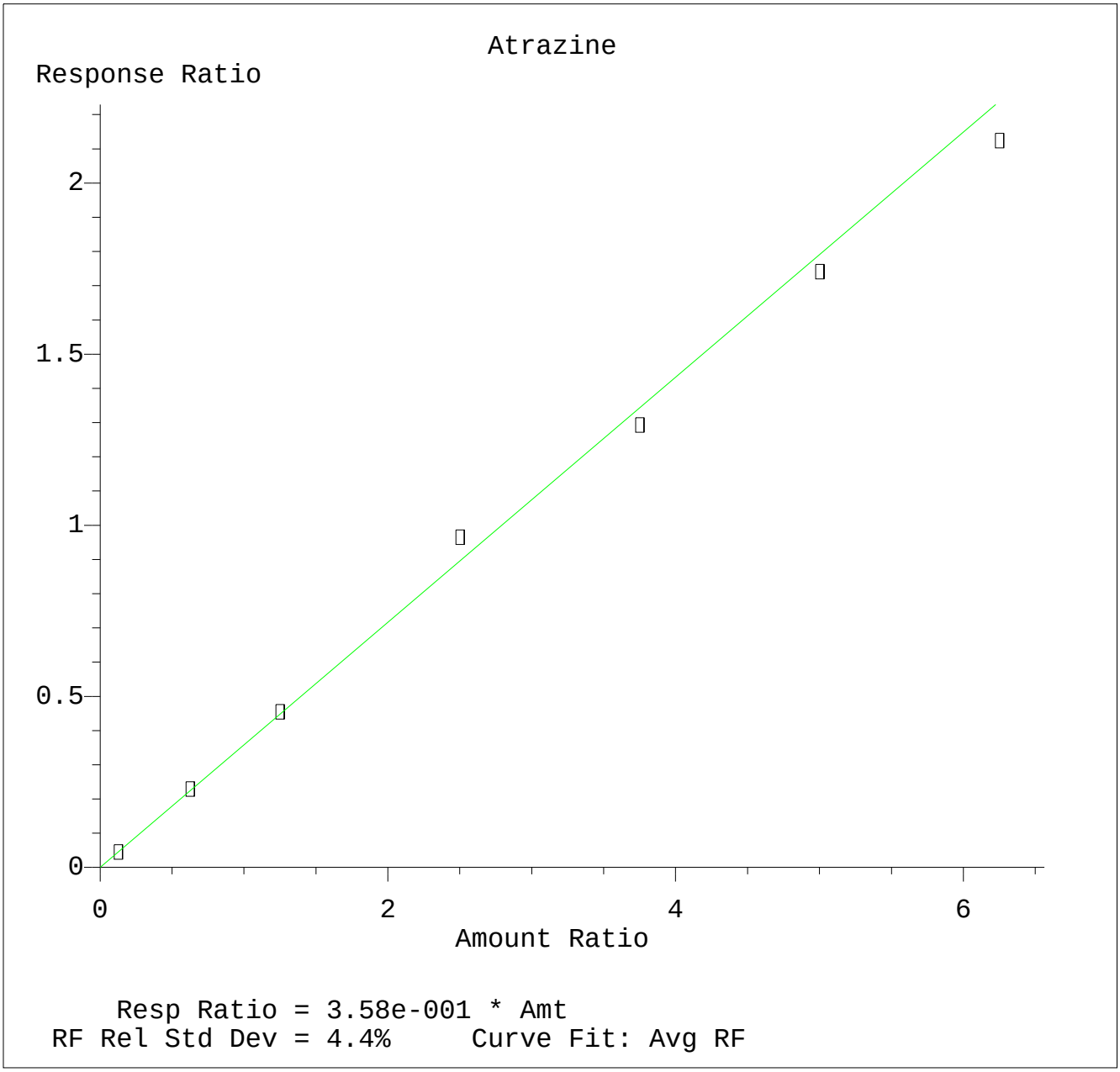
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



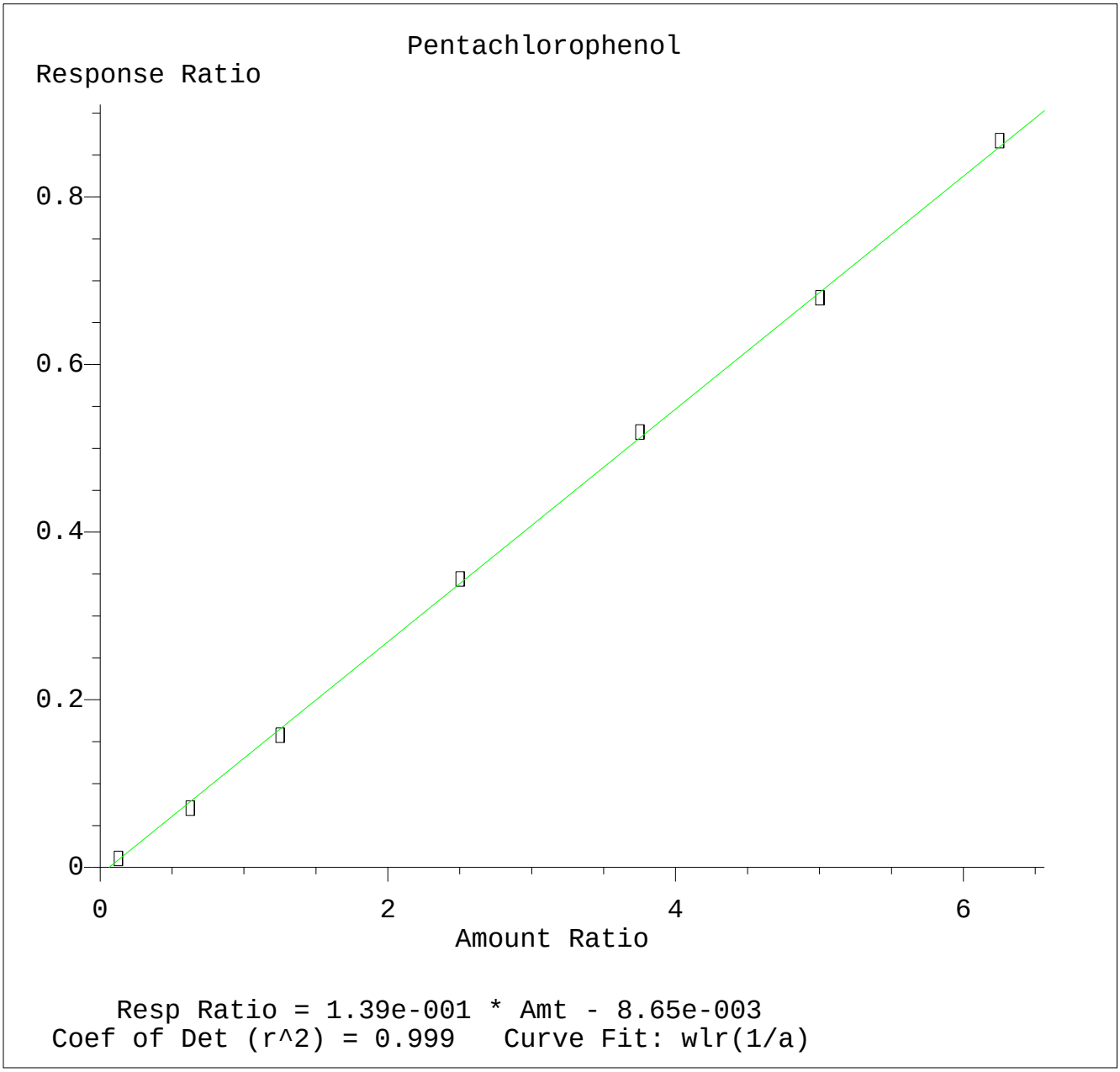
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



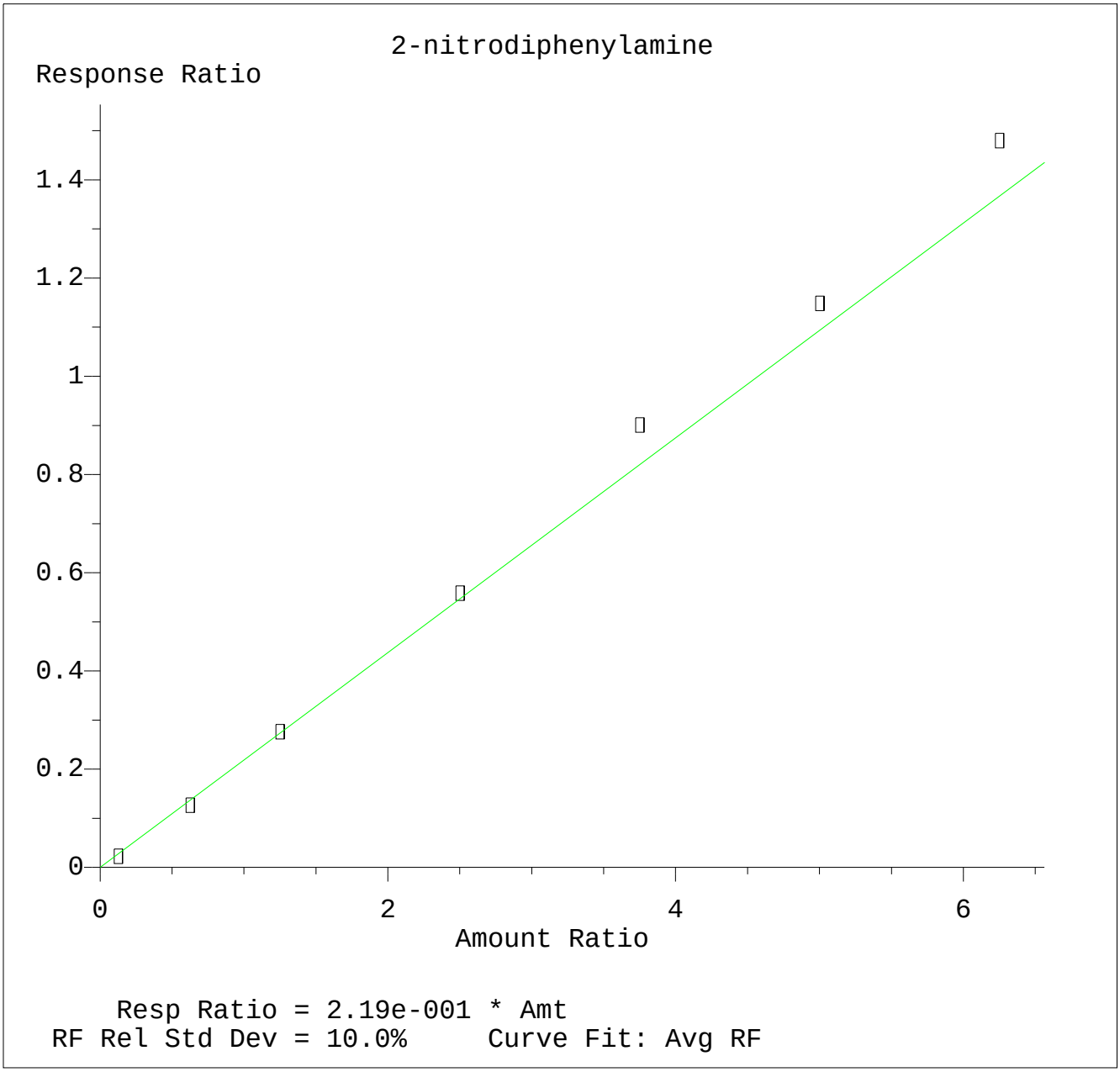
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



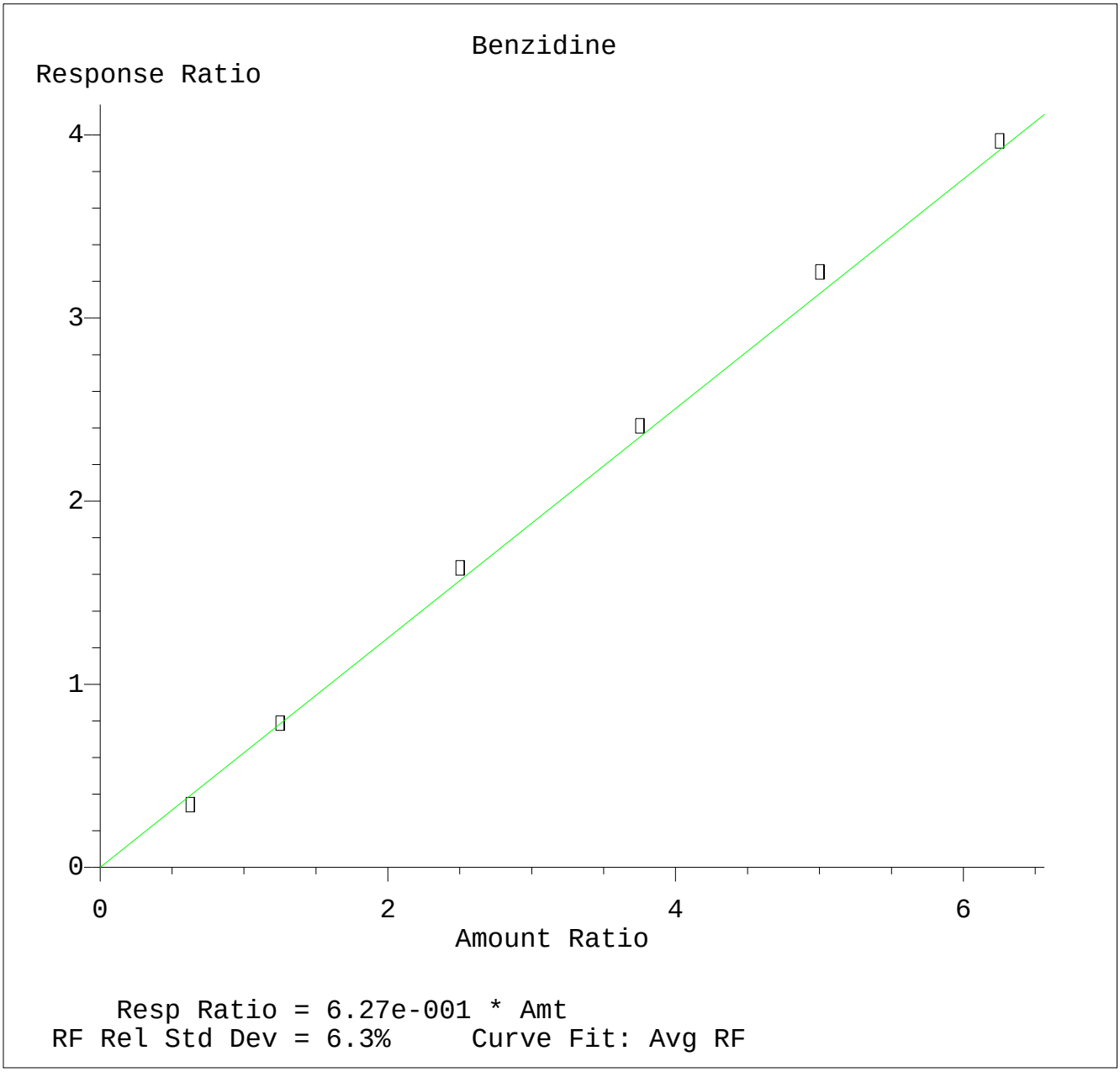
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



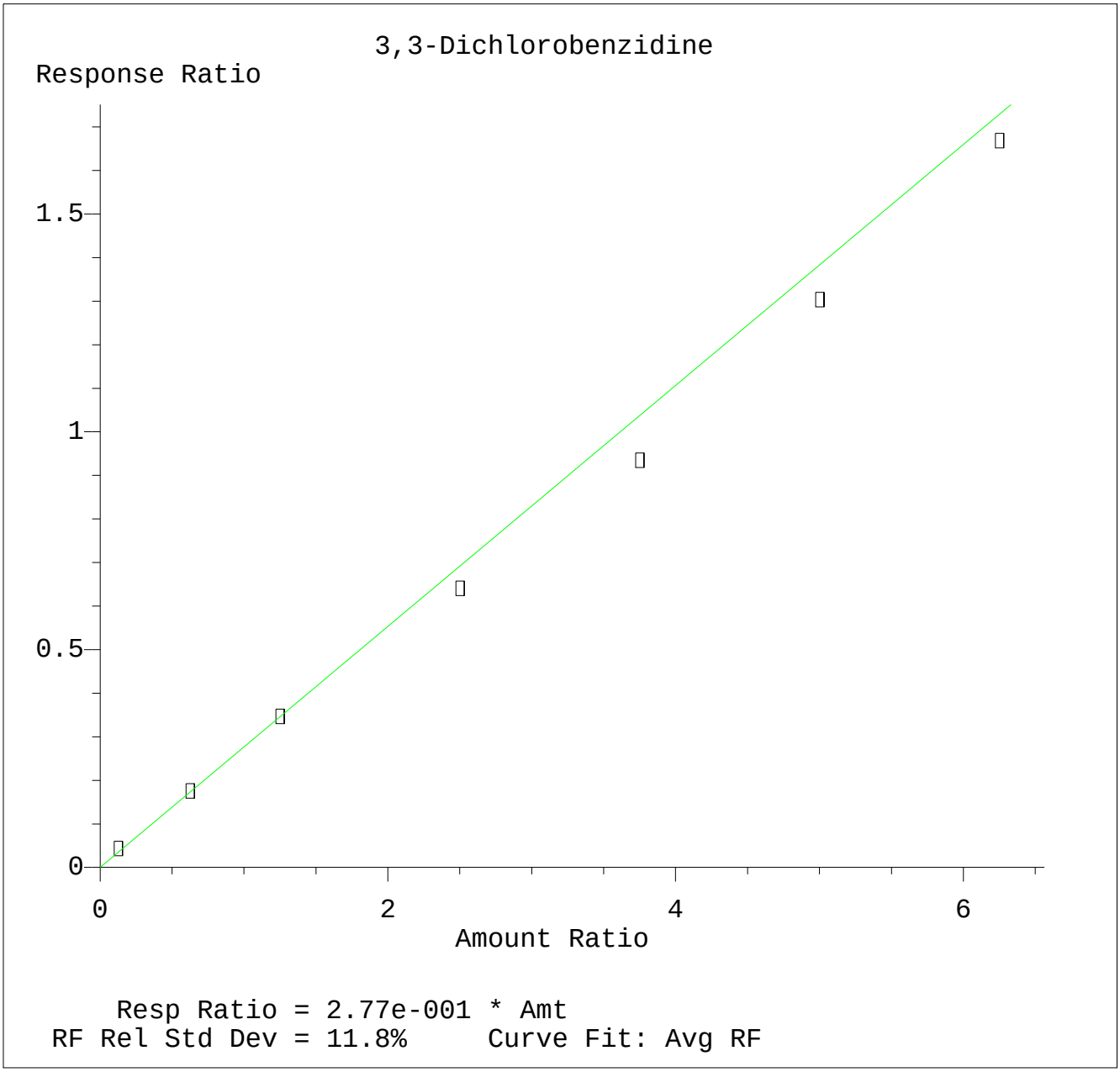
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011



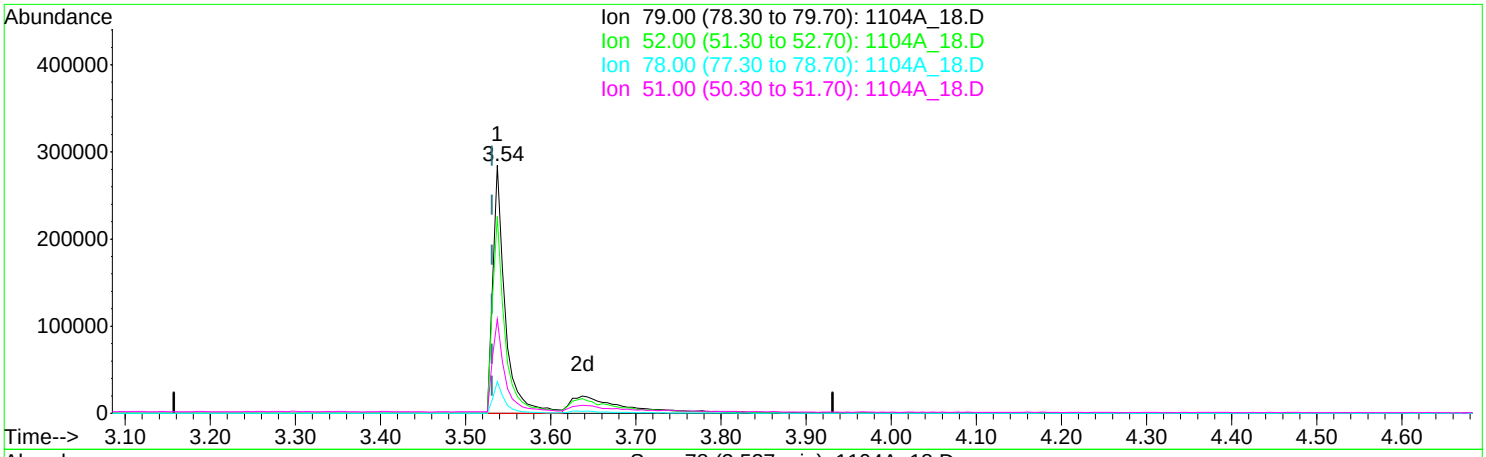
Method Name: C:\MSDCHEM\1\METHODS\S810K04K.M
Calibration Table Last Updated: Sat Nov 05 14:44:28 2011

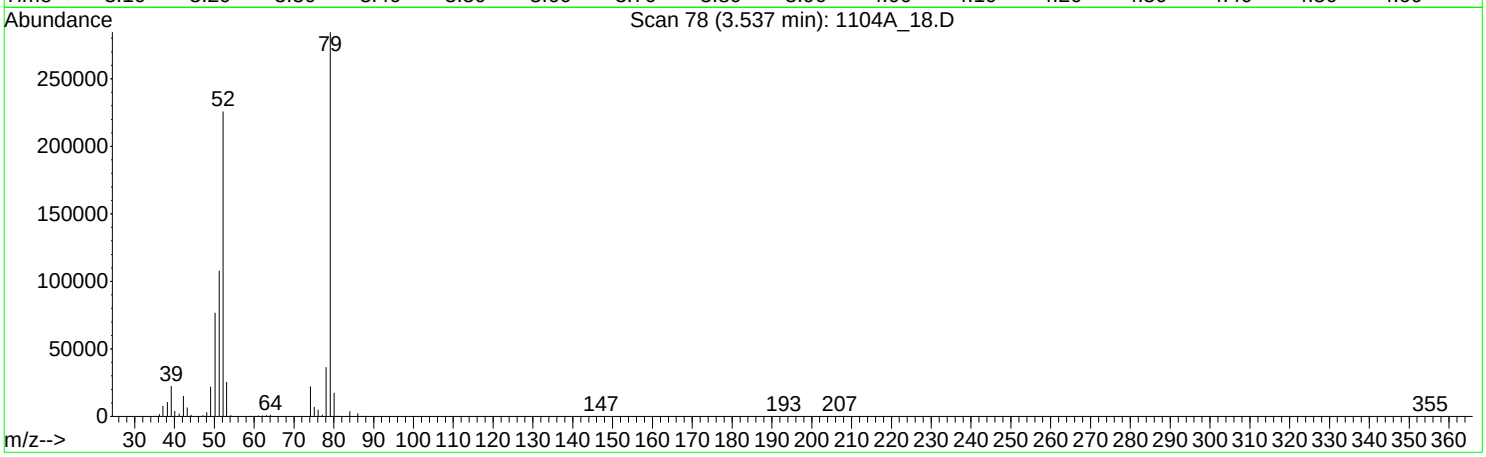
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_18.D

(2) Pyridine (TM)
3.54min (+0.006) 7440.5295170 ppb
Qvalue = 99
response 284655

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	79.36
78.00	12.10	12.83
51.00	36.90	37.33

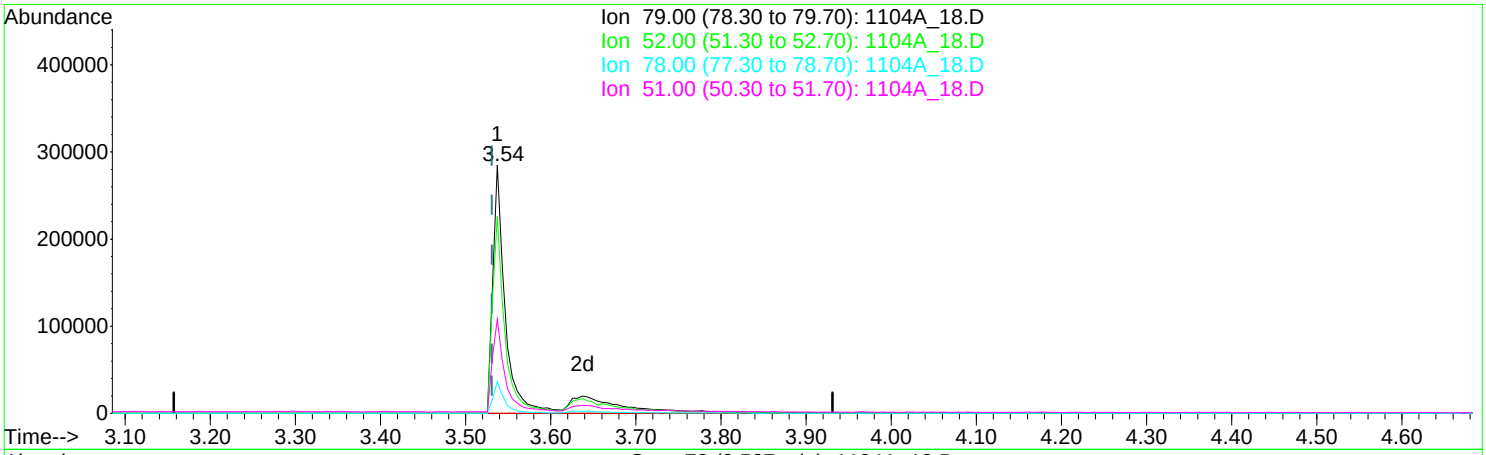
1104A_18.D S810K04K.M Sat Nov 05 14:47:33 2011

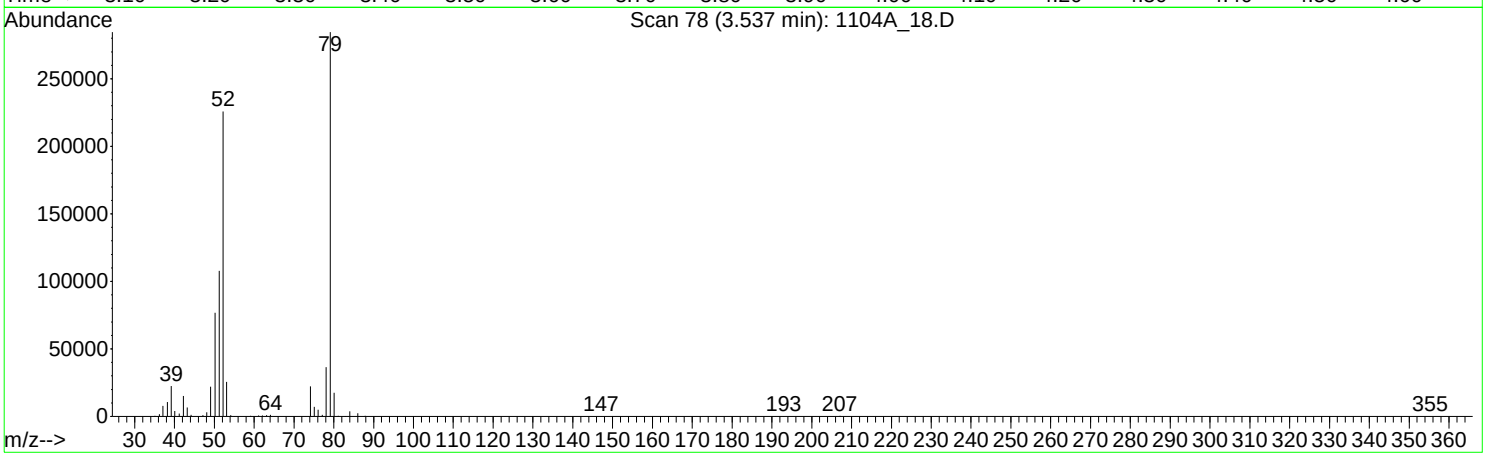
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_18.D

(2) Pyridine (TM)
3.54min (+0.006) 9857.6593268 ppb m

response 377128

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	79.36
78.00	12.10	12.83
51.00	36.90	37.92

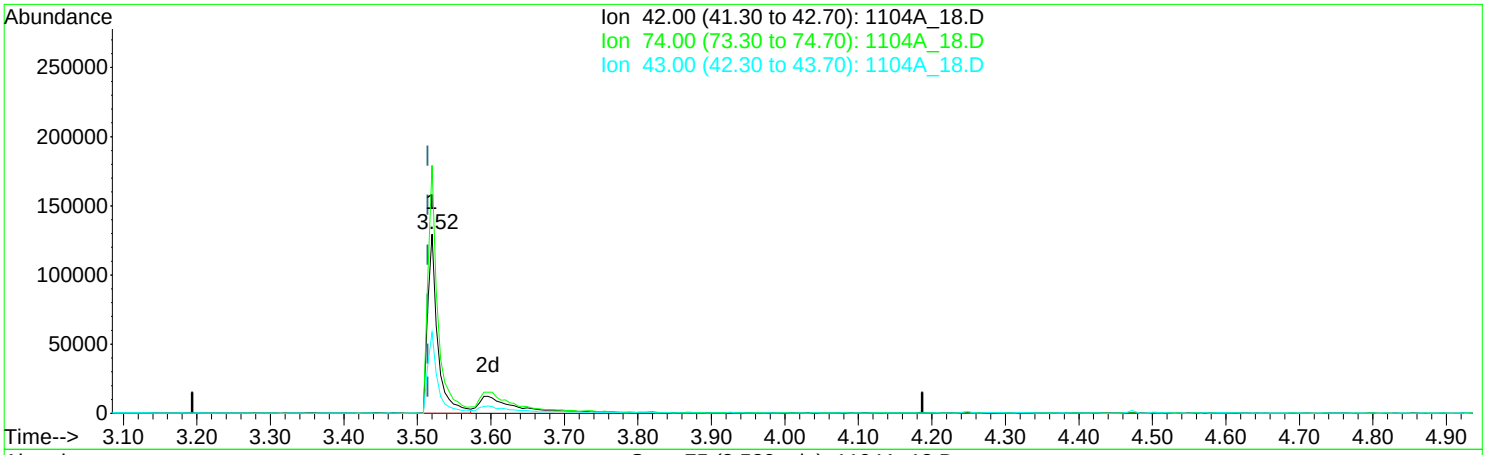
1104A_18.D S810K04K.M Sat Nov 05 14:47:36 2011

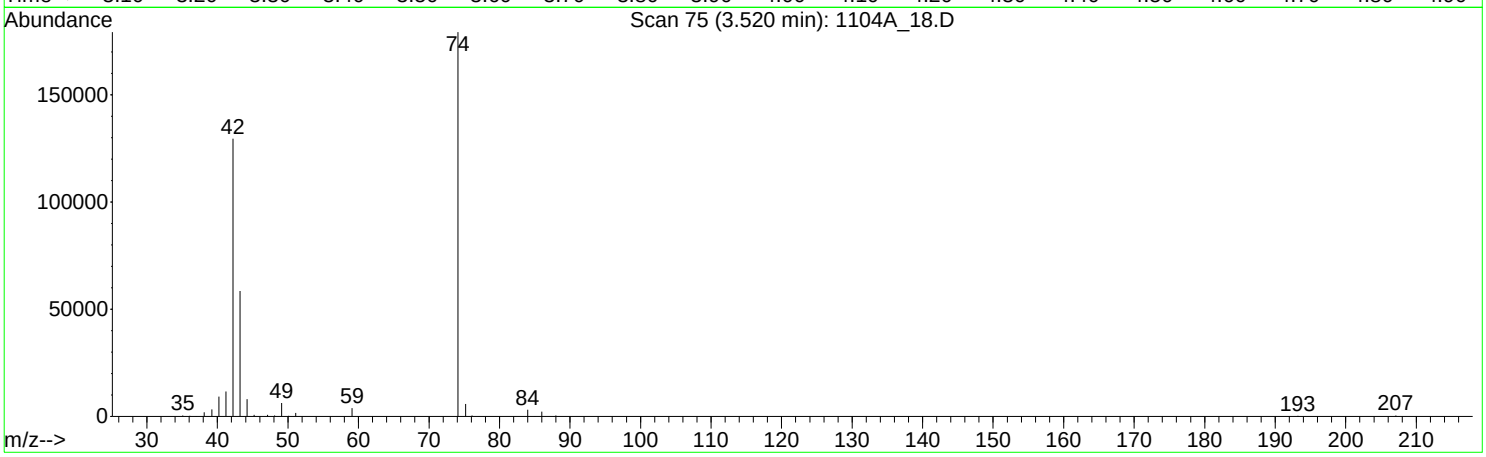
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_18.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 6608.0735467 ppb
Qvalue = 57
response 121435

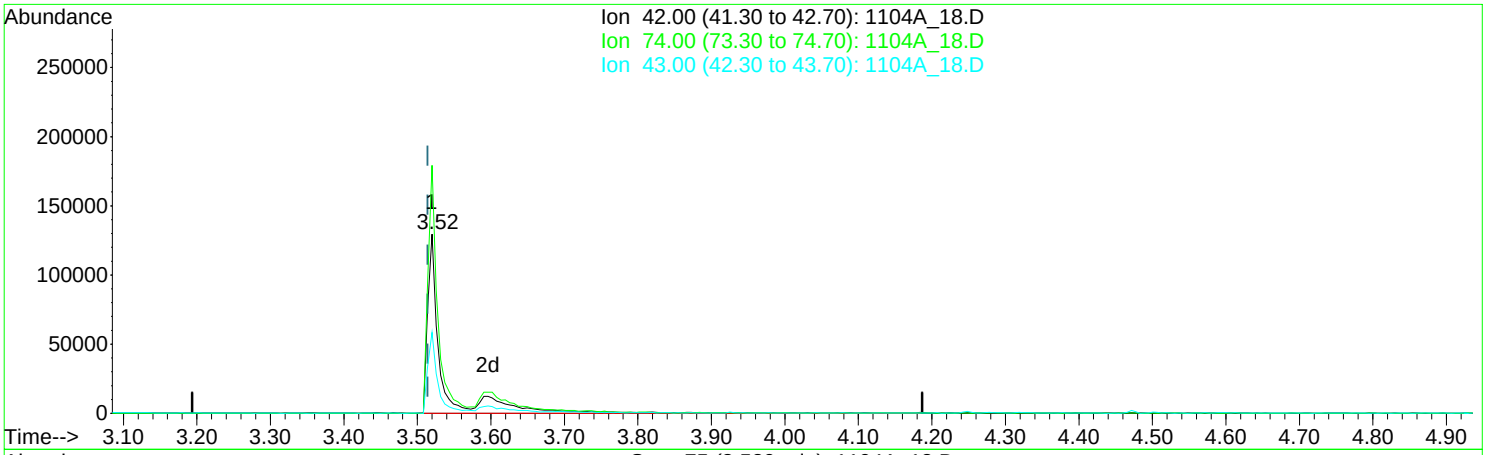
Ion	Exp%	Act%
42.00	100	100
74.00	91.20	136.94#
43.00	30.30	46.25
0.00	0.00	0.00

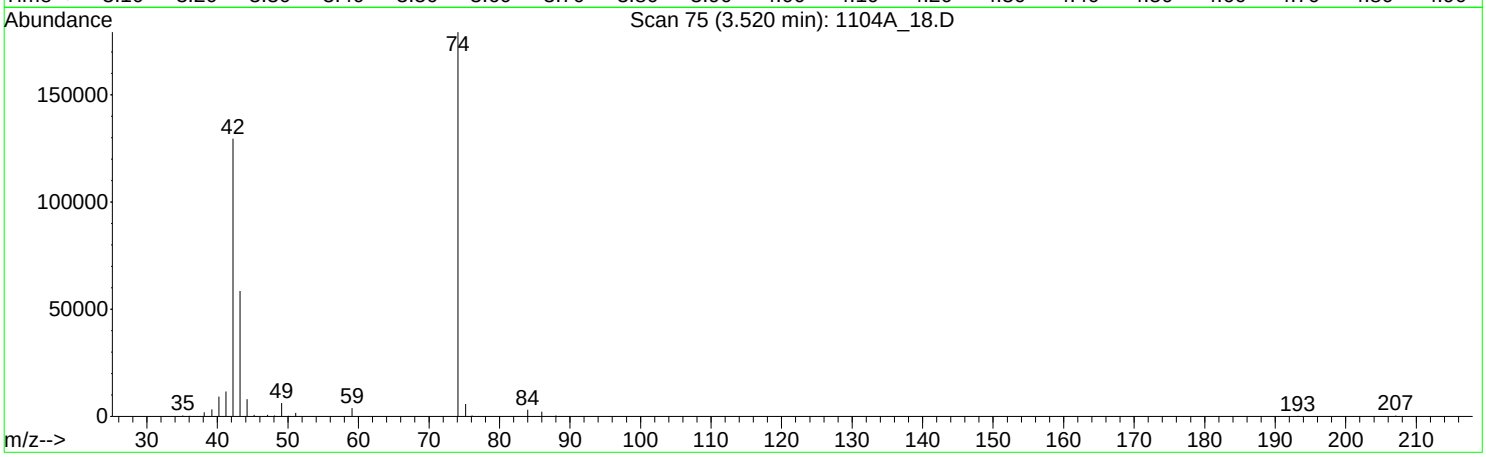
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_18.D

(3) N-Nitrosodimethylamine (MT)
3.52min (+0.006) 9668.2425588 ppb m

response 177671

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	93.59
43.00	30.30	31.61
0.00	0.00	0.00

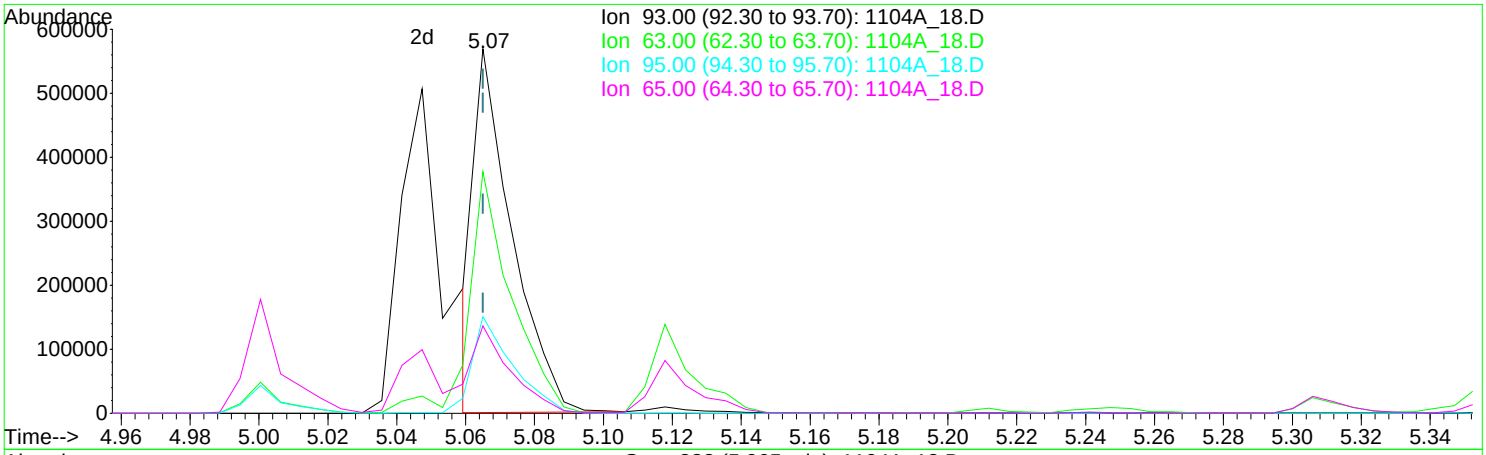
1104A_18.D S810K04K.M Sat Nov 05 14:47:43 2011

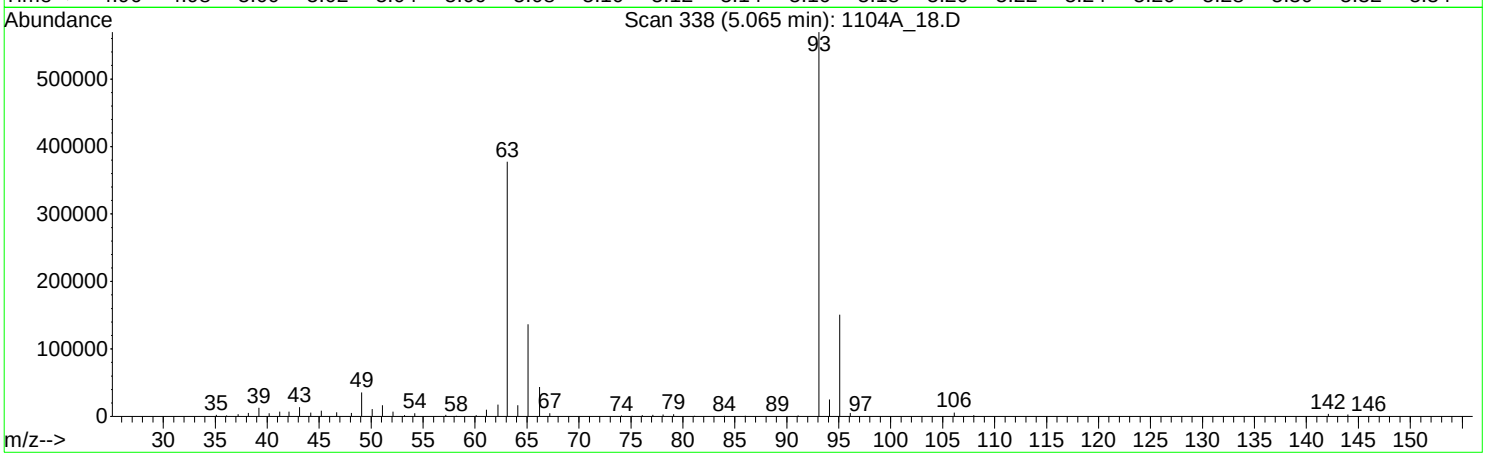
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_18.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (-0.000) 9614.6823870 ppb
Qvalue = 98
response 431181

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	66.26
95.00	27.50	26.56
65.00	23.30	23.77

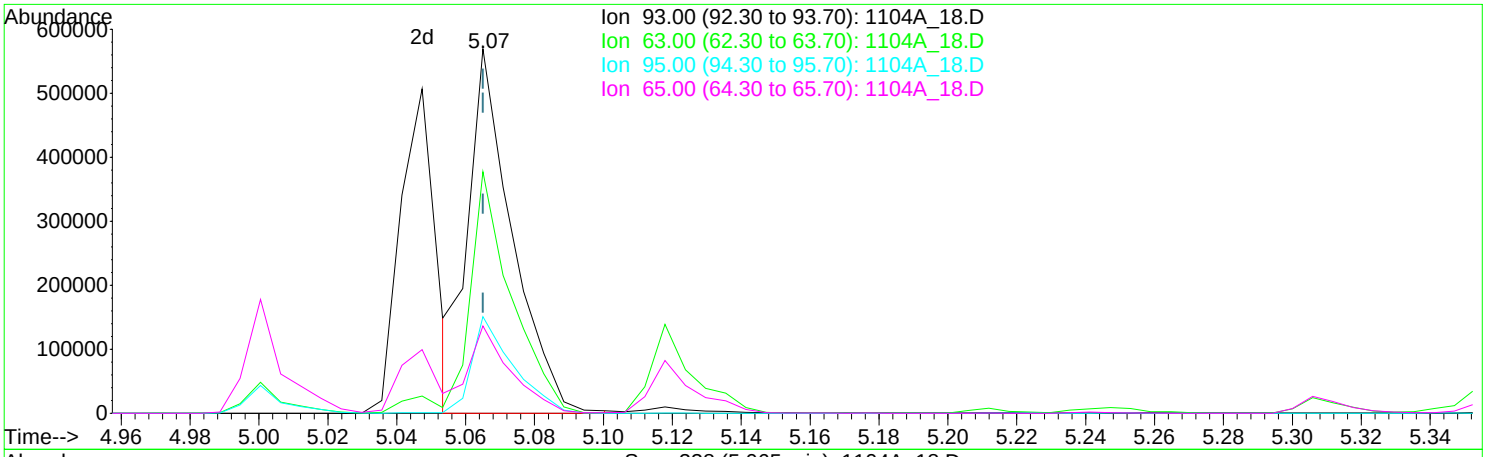
1104A_18.D S810K04K.M Sat Nov 05 14:47:50 2011

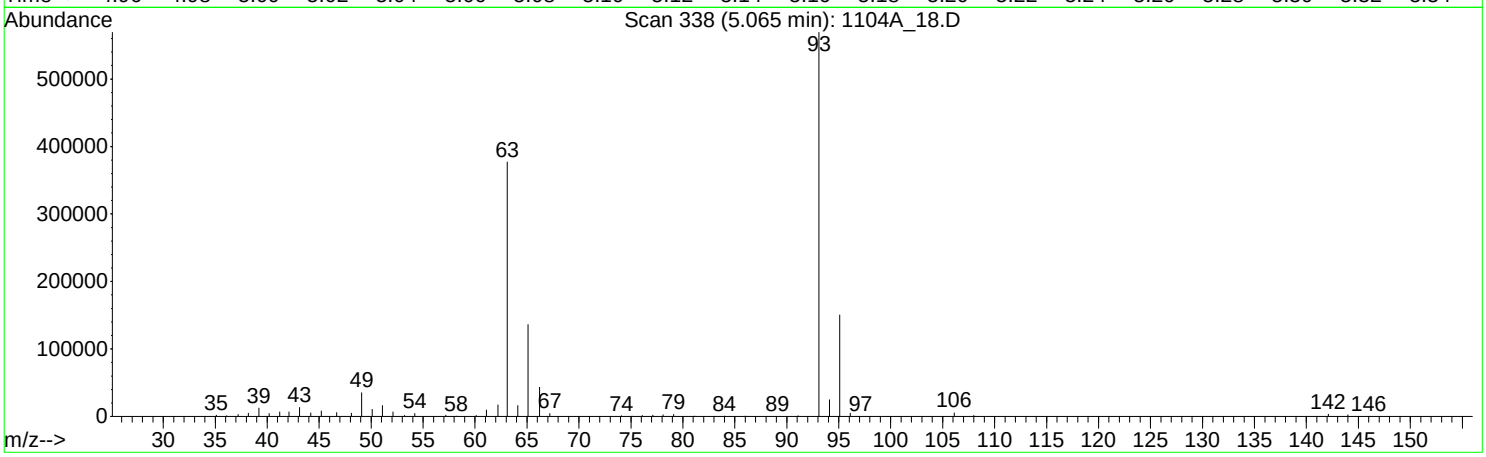
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_18.D

(6) bis(2-Chloroethyl)ether (MT)
5.07min (-0.000) 11242.4939764 ppb m

response 504182

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	66.28
95.00	27.50	26.49
65.00	23.30	23.95

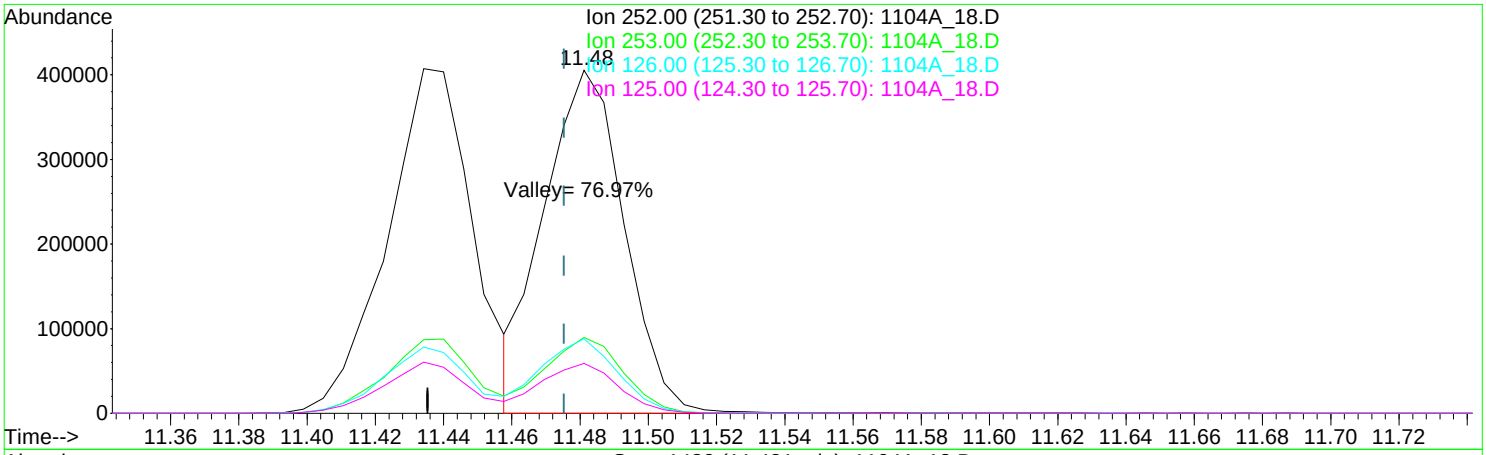
1104A_18.D S810K04K.M Sat Nov 05 14:47:55 2011

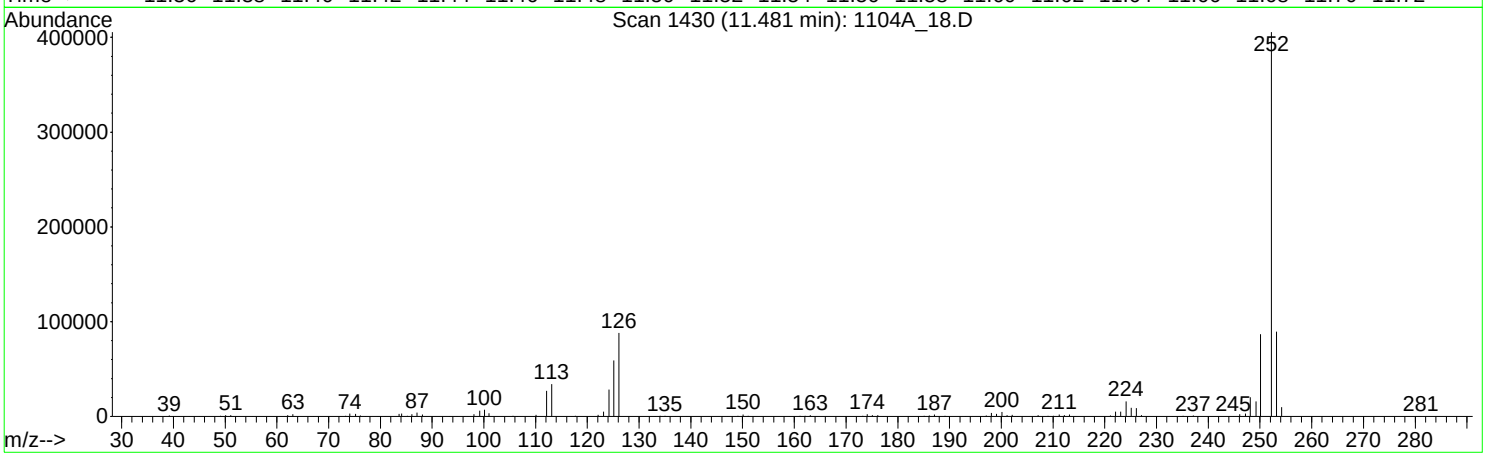
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_18.D

(90) Benzo(k)fluoranthene (MT)
11.48min (+0.006) 11075.7364896 ppb
Qvalue = 98
response 666590

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	22.05
126.00	22.60	21.67
125.00	15.40	14.55

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10
Misc : 8270 calibration validation Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	218122	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	820844	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	445156	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	725905	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	505942	8000.00 ppb	0.00
88) Perylene-d12	12.12	264	482929	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	5.24	99	2900	76.3305634 ppb	0.25
Spiked Amount 20.000	Range 10 - 63		Recovery = 381.65%#		
23) Nitrobenzene-d5	5.55	82	32209	894.3010565 ppb	-0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 8943.01%#		
44) 2-Fluorobiphenyl	6.58	172	362	5.1041355 ppb	-0.02
Spiked Amount 10.000	Range 29 - 127		Recovery = 51.04%		
67) 2,4,6-Tribromophenol	7.62	330	232	29.5215809 ppb	0.15
Spiked Amount 20.000	Range 16 - 147		Recovery = 147.61%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

					Qvalue
2) Pyridine	3.54	79	377128m	9857.6593268 ppb	
3) N-Nitrosodimethylamine	3.52	42	177671m	9668.2425588 ppb	
5) Aniline	5.05	93	358368	9193.2400942 ppb	95
6) bis(2-Chloroethyl)ether	5.07	93	504182m	11242.4939764 ppb	
8) Phenol	5.00	94	474357	10217.7584018 ppb	99
9) Benzaldehyde	5.01	105	12756	441.8579628 ppb #	1
10) 2-Chlorophenol	5.12	128	402674	10444.8963885 ppb	96
11) n-Decane	5.05	41	21186	1117.4948012 ppb #	16
12) 1,3-Dichlorobenzene	5.21	146	446349	10408.2550545 ppb	97
13) 1,4-Dichlorobenzene	5.25	146	442218	10355.1768260 ppb	95
14) Benzyl Alcohol	5.31	79	283639	10826.8540666 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	417361	10320.1882119 ppb	99
16) bis(2-Chloroisopropyl)ethe	5.38	121	133021	10314.5500254 ppb	100
17) 2-Methylphenol	5.35	108	361037	10652.7665596 ppb	97
18) Hexachloroethane	5.55	117	156958	9916.8608961 ppb	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10
Misc : 8270 calibration validation Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	247156	10170.6311577 ppb		95
20)	3&4-Methyl phenol	5.44	107	387726	10247.7429346 ppb		99
21)	Acetophenone	5.47	105	541	11.9835451 ppb	#	27
24)	Nitrobenzene	5.57	77	358477	10683.1321461 ppb		98
25)	Isophorone	5.70	82	639400	9877.9651325 ppb		98
26)	2-Nitrophenol	5.76	139	218390	11698.8962204 ppb		82
27)	2,4-Dimethylphenol	5.75	107	336405	11344.5748910 ppb		99
28)	bis(2-Chlorethoxy)methane	5.81	93	443977	10852.9848944 ppb		98
29)	2,4-Dichlorophenol	5.89	162	317725	11017.9340298 ppb		89
30)	Benzoic Acid	5.75	105	12282	1824.9158791 ppb	#	1
31)	1,2,4-Trichlorobenzene	5.95	180	359767	9935.4933894 ppb		99
32)	Naphthalene	6.01	128	1127860	10510.8254251 ppb		95
33)	4-Chloroaniline	6.01	65	109017	10845.4154551 ppb		90
34)	Hexachloro-1,3-butadiene	6.05	225	208568	11980.0954397 ppb		98
35)	Caprolactam	6.27	113	8315	766.3974917 ppb	#	42
36)	4-Chloro-3-methylphenol	6.27	107	307653	10657.9378997 ppb		94
37)	2-Methylnaphthalene	6.40	142	745883	11178.6285654 ppb		99
38)	1-Methylnaphthalene	6.46	142	706222	10436.3626646 ppb		99
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	436	14.4821737 ppb	#	40
41)	Hexachlorocyclopentadiene	6.48	237	114678	9182.2687235 ppb		98
42)	2,4,6-Trichlorophenol	6.55	196	218627	11158.4819879 ppb		89
43)	2,4,5-Trichlorophenol	6.58	196	222109	11045.6998253 ppb		96
45)	Biphenyl	6.66	154	153	1.8639256 ppb	#	41
46)	2-Chloronaphthalene	6.69	162	685812	10796.7604363 ppb		98
47)	2-Nitroaniline	6.73	138	222798	11418.3054591 ppb		99
48)	Acenaphthylene	6.94	152	1006237	10502.7456249 ppb		99
49)	Dimethyl phthalate	6.82	163	777870	10935.8064304 ppb		95
50)	2,6-Dinitrotoluene	6.86	165	183454	11365.1010368 ppb		84
51)	3-Nitroaniline	6.97	138	115505	12390.7420469 ppb		94
52)	Acenaphthene	7.03	153	690976	10950.4422043 ppb		99
53)	2,4-Dinitrophenol	7.03	184	66337	11423.1491106 ppb	#	25
54)	Dibenzofuran	7.13	168	925973	10775.6598789 ppb		100
55)	2,4-Dinitrotoluene	7.10	165	217827	10562.4012182 ppb		93
56)	2,3,4,6-Tetrachlorophenol	7.19	232	156267	12536.0712549 ppb		86
57)	4-Nitrophenol	7.03	139	113379	10396.3765196 ppb		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10
Misc : 8270 calibration validation Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	377080	10998.5659598 ppb		96
60)	Diethyl phthalate	7.22	149	754309	10988.1157369 ppb		99
61)	4-Nitroaniline	7.33	138	100949	12506.1841361 ppb		98
62)	Azobenzene	7.40	77	702449	10772.8346466 ppb		99
63)	Atrazine	7.76	200	22900	1148.9981746 ppb	#	24
65)	4,6-Dinitro-2-methylphenol	7.34	198	94429	11185.9351741 ppb	#	69
66)	N-Nitrosodiphenylamine	7.37	169	614555	10914.7332849 ppb		99
68)	4-Bromophenyl-phenylether	7.60	248	210065	10653.0743668 ppb	#	82
69)	Hexachlorobenzene	7.66	284	232468	10906.3913364 ppb		99
70)	n-octadecane	7.71	55	2159	178.9961208 ppb	#	27
71)	Pentachlorophenol	7.76	266	132482	11007.1271571 ppb		97
72)	Phenanthrene	7.90	178	1080581	10897.0874572 ppb		100
73)	Anthracene	7.93	178	1065408	11284.8326183 ppb		99
74)	Carbazole	8.01	167	814067	10386.4783176 ppb		99
75)	Di-n-butyl phthalate	8.16	149	1299319	10921.0675941 ppb		100
76)	2-nitrodiphenylamine	8.30	167	641	32.3012011 ppb	#	23
77)	Fluoranthene	8.63	202	1116947	11172.7168416 ppb		99
79)	Benzidine	8.71	184	64	1.6150824 ppb	#	1
80)	Pyrene	8.80	202	1111500	10955.0578814 ppb		100
82)	Benzylbutyl phthalate	9.22	149	556225	11398.5831325 ppb		96
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.90	228	744101	10181.9083247 ppb		99
85)	Chrysene	9.95	228	682536	10036.8419257 ppb		98
86)	bis(2-Ethylhexyl)phthalate	9.78	149	735402	10045.1926417 ppb		99
87)	Di-n-octyl phthalate	10.66	149	1136448	9972.7438243 ppb		99
89)	Benzo(b)fluoranthene	11.43	252	706544	10603.3708587 ppb		98
90)	Benzo(k)fluoranthene	11.48	252	666590	11075.7364896 ppb		98
91)	Benzo(a)pyrene	12.02	252	673263	10950.3804588 ppb		98
92)	Indeno(1,2,3-cd)pyrene	13.81	276	858719	11142.8405728 ppb		99
93)	Dibenz(a,h)anthracene	13.83	278	743759	11219.4416432 ppb		98

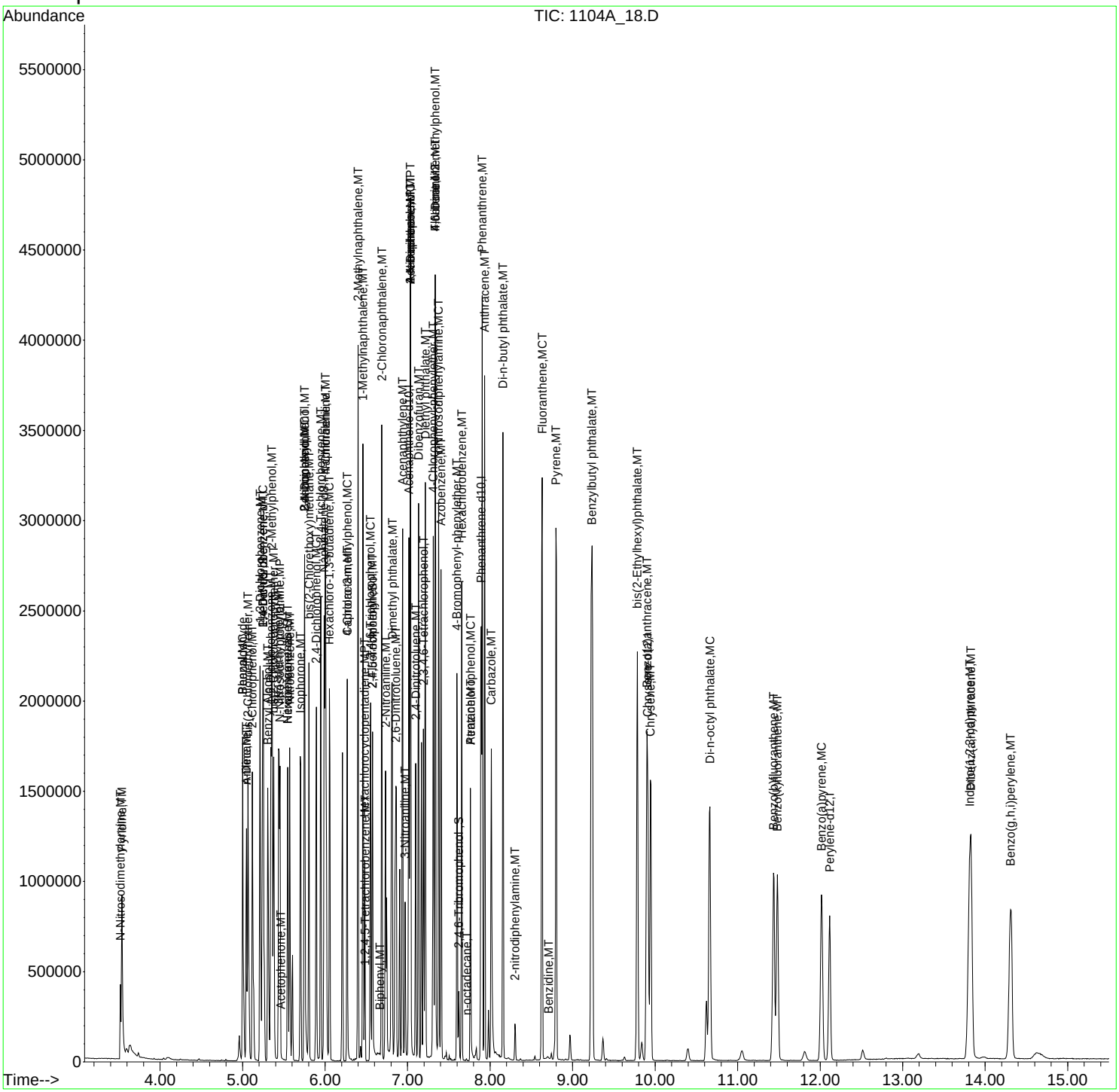
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_18.D Vial: 17
Acq On : 5 Nov 2011 12:52 am Operator: 377
Sample : SSCV SVMS 20000 ppb 11G20057 Inst : BNAMS10

MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:47 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



8270C SSCV REPORT

Sample Name SSCV SVMS 20000 ppb 11G20057
Data File Name 1104A_18.D
Acquired 5 Nov 2011 12:52 am

CCC=*
SPCC=**

	Name	amount	area	daily rf	%diff	FLAG
1	1,4-Dichlorobenzene-d4	8000.000	218122			
2	Pyridine	9857.659	377128	0.692	1.42	PASS
3	N-Nitrosodimethylamine	9668.243	177671	0.326	3.32	PASS
4	2-Fluorophenol	0.000	0		100.00	
5	Aniline	9193.240	358368	0.657	8.07	PASS
6	bis(2-Chloroethyl)ether	11242.494	504182	0.925	12.42	PASS
7	Phenol-d5	76.331	2900		99.24	
8	Phenol	10217.758	474357	0.870	2.18	**PASS***
9	Benzaldehyde	441.858	12756		95.58	
10	2-Chlorophenol	10444.896	402674	0.738	4.45	PASS
11	n-Decane	1117.495	21186		88.83	
12	1,3-Dichlorobenzene	10408.255	446349	0.819	4.08	PASS
13	1,4-Dichlorobenzene	10355.177	442218	0.811	3.55	**PASS***
14	Benzyl Alcohol	10826.854	283639	0.520	8.27	PASS
15	1,2-Dichlorobenzene	10320.188	417361	0.765	3.20	PASS
16	bis(2-Chloroisopropyl)ether	10314.550	133021	0.244	3.15	PASS
17	2-Methylphenol	10652.767	361037	0.662	6.53	PASS
18	Hexachloroethane	9916.861	156958	0.288	0.83	PASS
19	N-Nitrosodi-n-propylamine	10170.631	247156	0.453	1.71	**PASS****
20	3&4-Methyl phenol	10247.743	387726	0.711	2.48	PASS
21	Acetophenone	11.984	541		99.88	
22	Naphthalene-d8	8000.000	820844		20.00	
23	Nitrobenzene-d5	894.301	32209		91.06	
24	Nitrobenzene	10683.132	358477	0.175	6.83	PASS
25	Isophorone	9877.965	639400	0.312	1.22	PASS
26	2-Nitrophenol	11698.896	218390	0.106	16.99	**PASS***
27	2,4-Dimethylphenol	11344.575	336405	0.164	13.45	PASS
28	bis(2-Chlorethoxy)methane	10852.985	443977	0.216	8.53	PASS
29	2,4-Dichlorophenol	11017.934	317725	0.155	10.18	**PASS***
30	Benzoic Acid	1824.916	12282		81.75	
31	1,2,4-Trichlorobenzene	9935.493	359767	0.175	0.65	PASS
32	Naphthalene	10510.825	1127860	0.550	5.11	PASS
33	4-Chloroaniline	10845.415	109017	0.053	8.45	PASS
34	Hexachloro-1,3-butadiene	11980.095	208568	0.102	19.80	**PASS***
35	Caprolactam	766.397	8315		92.34	
36	4-Chloro-3-methylphenol	10657.938	307653	0.150	6.58	**PASS***
37	2-Methylnaphthalene	11178.629	745883	0.363	11.79	PASS
38	1-Methylnaphthalene	10436.363	706222	0.344	4.36	PASS
39	1,2,4,5-Tetrachlorobenzene	14.482	436		99.86	
40	Acenaphthene-d10	8000.000	445156		20.00	
41	Hexachlorocyclopentadiene	9182.269	114678	0.103	8.18	**PASS****
42	2,4,6-Trichlorophenol	11158.482	218627	0.196	11.58	**PASS***
43	2,4,5-Trichlorophenol	11045.700	222109	0.200	10.46	PASS
44	2-Fluorobiphenyl	5.104	362		99.95	
45	Biphenyl	1.864	153		99.98	
46	2-Chloronaphthalene	10796.760	685812	0.616	7.97	PASS
47	2-Nitroaniline	11418.305	222798	0.200	14.18	PASS
48	Acenaphthylene	10502.746	1006237	0.904	5.03	PASS
49	Dimethyl phthalate	10935.806	777870	0.699	9.36	PASS
50	2,6-Dinitrotoluene	11365.101	183454	0.165	13.65	PASS
51	3-Nitroaniline	12390.742	115505	0.104	23.91	PASS

52	Acenaphthene	10950.442	690976	0.621	9.50	**PASS***
53	2,4-Dinitrophenol	11423.149	66337	0.060	14.23	**PASS****
54	Dibenzofuran	10775.660	925973	0.832	7.76	PASS
55	2,4-Dinitrotoluene	10562.401	217827	0.196	5.62	PASS
56	2,3,4,6-Tetrachlorophenol	12536.071	156267		25.36	
57	4-Nitrophenol	10396.377	113379	0.102	3.96	**PASS****
58	Fluorene	10977.157	743762	0.668	9.77	PASS
59	4-Chlorophenyl-phenylether	10998.566	377080	0.339	9.99	PASS
60	Diethyl phthalate	10988.116	754309	0.678	9.88	PASS
61	4-Nitroaniline	12506.184	100949	0.091	25.06	PASS
62	Azobenzene	10772.835	702449	0.631	7.73	PASS
63	Atrazine	1148.998	22900		88.51	
64	Phenanthrene-d10	8000.000	725905		20.00	
65	4,6-Dinitro-2-methylphenol	11185.935	94429	0.052	11.86	PASS
66	N-Nitrosodiphenylamine	10914.733	614555	0.339	9.15	**PASS***
67	2,4,6-Tribromophenol	29.522	232		99.70	
68	4-Bromophenyl-phenylether	10653.074	210065	0.116	6.53	PASS
69	Hexachlorobenzene	10906.391	232468	0.128	9.06	PASS
70	n-octadecane	178.996	2159		98.21	
71	Pentachlorophenol	11007.127	132482	0.073	10.07	**PASS***
72	Phenanthrene	10897.087	1080581	0.595	8.97	PASS
73	Anthracene	11284.833	1065408	0.587	12.85	PASS
74	Carbazole	10386.478	814067	0.449	3.86	PASS
75	Di-n-butyl phthalate	10921.068	1299319	0.716	9.21	PASS
76	2-nitrodiphenylamine	32.301	641		99.68	
77	Fluoranthene	11172.717	1116947	0.615	11.73	**PASS***
78	Benzidine	1.615	64		99.98	
79	Chrysene-d12	8000.000	505942		20.00	
80	Pyrene	10955.058	1111500	0.879	9.55	PASS
81	p-Terphenyl-d14	0.000	0		100.00	
82	Benzylbutyl phthalate	11398.583	556225	0.440	13.99	PASS
83	3,3-Dichlorobenzidine	0.000	0		100.00	
84	Benzo(a)anthracene	10181.908	744101	0.588	1.82	PASS
85	Chrysene	10036.842	682536	0.540	0.37	PASS
86	bis(2-Ethylhexyl)phthalate	10045.193	735402	0.581	0.45	PASS
87	Di-n-octyl phthalate	9972.744	1136448	0.898	0.27	**PASS***
88	Perylene-d12	8000.000	482929		20.00	
89	Benzo(b)fluoranthene	10603.371	706544	0.585	6.03	PASS
90	Benzo(k)fluoranthene	11075.736	666590	0.552	10.76	PASS
91	Benzo(a)pyrene	10950.380	673263	0.558	9.50	**PASS***
92	Indeno(1,2,3-cd)pyrene	11142.841	858719	0.711	11.43	PASS
93	Dibenz(a,h)anthracene	11219.442	743759	0.616	12.19	PASS
94	Benzo(g,h,i)perylene	10942.349	747492	0.619	9.42	PASS

		AREA	**CAL AREA**	**%Ratio**	**FLAG**
					>50 <200
1	1,4-Dichlorobenzene-d4	218122	258878	84.26	PASS
22	Naphthalene-d8	820844	993171	82.65	PASS
40	Acenaphthene-d10	445156	529561	84.06	PASS
64	Phenanthrene-d10	725905	788053	92.11	PASS
78	Chrysene-d12	505942	538526	93.95	PASS
88	Perylene-d12	482929	540618	89.33	PASS

		Sample RT	**CAL RT**	**DIFF**	**FLAG**
					+/- 30sec
1	1,4-Dichlorobenzene-d4	5.24	5.241	0.00	PASS
22	Naphthalene-d8	5.99	5.988	0.00	PASS
40	Acenaphthene-d10	7.02	7.010	0.35	PASS
64	Phenanthrene-d10	7.89	7.885	0.35	PASS
78	Chrysene-d12	9.91	9.907	0.35	PASS
88	Perylene-d12	12.12	12.110	0.35	PASS

8270D SSCV REPORT

Sample Name SSCV SVMS 20000 ppb 11G20057
Data File Name 1104A_18.D
Acquired 5 Nov 2011 12:52 am

	Name	amount	area	%diff	FLAG
1	1,4-Dichlorobenzene-d4	8000.000	218122		
2	Pyridine	9857.659	377128	1.42	PASS
3	N-Nitrosodimethylamine	9668.243	177671	3.32	PASS
4	2-Fluorophenol	0.000	0	100.00	
5	Aniline	9193.240	358368	8.07	PASS
6	bis(2-Chloroethyl)ether	11242.494	504182	12.42	PASS
7	Phenol-d5	76.331	2900	99.24	
8	Phenol	10217.758	474357	2.18	PASS
9	Benzaldehyde	441.858	12756	95.58	
10	2-Chlorophenol	10444.896	402674	4.45	PASS
11	n-Decane	1117.495	21186	88.83	
12	1,3-Dichlorobenzene	10408.255	446349	4.08	PASS
13	1,4-Dichlorobenzene	10355.177	442218	3.55	PASS
14	Benzyl Alcohol	10826.854	283639	8.27	PASS
15	1,2-Dichlorobenzene	10320.188	417361	3.20	PASS
16	bis(2-Chloroisopropyl)ether	10314.550	133021	3.15	PASS
17	2-Methylphenol	10652.767	361037	6.53	PASS
18	Hexachloroethane	9916.861	156958	0.83	PASS
19	N-Nitrosodi-n-propylamine	10170.631	247156	1.71	PASS
20	3&4-Methyl phenol	10247.743	387726	2.48	PASS
21	Acetophenone	11.984	541	99.88	
22	Naphthalene-d8	8000.000	820844	20.00	
23	Nitrobenzene-d5	894.301	32209	91.06	
24	Nitrobenzene	10683.132	358477	6.83	PASS
25	Isophorone	9877.965	639400	1.22	PASS
26	2-Nitrophenol	11698.896	218390	16.99	PASS
27	2,4-Dimethylphenol	11344.575	336405	13.45	PASS
28	bis(2-Chlorethoxy)methane	10852.985	443977	8.53	PASS
29	2,4-Dichlorophenol	11017.934	317725	10.18	PASS
30	Benzoic Acid	1824.916	12282	81.75	
31	1,2,4-Trichlorobenzene	9935.493	359767	0.65	PASS
32	Naphthalene	10510.825	1127860	5.11	PASS
33	4-Chloroaniline	10845.415	109017	8.45	PASS
34	Hexachloro-1,3-butadiene	11980.095	208568	19.80	PASS
35	Caprolactam	766.397	8315	92.34	
36	4-Chloro-3-methylphenol	10657.938	307653	6.58	PASS
37	2-Methylnaphthalene	11178.629	745883	11.79	PASS
38	1-Methylnaphthalene	10436.363	706222	4.36	PASS
39	1,2,4,5-Tetrachlorobenzene	14.482	436	99.86	
40	Acenaphthene-d10	8000.000	445156	20.00	
41	Hexachlorocyclopentadiene	9182.269	114678	8.18	PASS
42	2,4,6-Trichlorophenol	11158.482	218627	11.58	PASS
43	2,4,5-Trichlorophenol	11045.700	222109	10.46	PASS
44	2-Fluorobiphenyl	5.104	362	99.95	
45	Biphenyl	1.864	153	99.98	
46	2-Chloronaphthalene	10796.760	685812	7.97	PASS
47	2-Nitroaniline	11418.305	222798	14.18	PASS
48	Acenaphthylene	10502.746	1006237	5.03	PASS
49	Dimethyl phthalate	10935.806	777870	9.36	PASS
50	2,6-Dinitrotoluene	11365.101	183454	13.65	PASS
51	3-Nitroaniline	12390.742	115505	23.91	PASS
52	Acenaphthene	10950.442	690976	9.50	PASS

53	2,4-Dinitrophenol	11423.149	66337	14.23	PASS
54	Dibenzofuran	10775.660	925973	7.76	PASS
55	2,4-Dinitrotoluene	10562.401	217827	5.62	PASS
56	2,3,4,6-Tetrachlorophenol	12536.071	156267	25.36	
57	4-Nitrophenol	10396.377	113379	3.96	PASS
58	Fluorene	10977.157	743762	9.77	PASS
59	4-Chlorophenyl-phenylether	10998.566	377080	9.99	PASS
60	Diethyl phthalate	10988.116	754309	9.88	PASS
61	4-Nitroaniline	12506.184	100949	25.06	PASS
62	Azobenzene	10772.835	702449	7.73	PASS
63	Atrazine	1148.998	22900	88.51	
64	Phenanthrene-d10	8000.000	725905	20.00	
65	4,6-Dinitro-2-methylphenol	11185.935	94429	11.86	PASS
66	N-Nitrosodiphenylamine	10914.733	614555	9.15	PASS
67	2,4,6-Tribromophenol	29.522	232	99.70	
68	4-Bromophenyl-phenylether	10653.074	210065	6.53	PASS
69	Hexachlorobenzene	10906.391	232468	9.06	PASS
70	n-octadecane	178.996	2159	98.21	
71	Pentachlorophenol	11007.127	132482	10.07	PASS
72	Phenanthrene	10897.087	1080581	8.97	PASS
73	Anthracene	11284.833	1065408	12.85	PASS
74	Carbazole	10386.478	814067	3.86	PASS
75	Di-n-butyl phthalate	10921.068	1299319	9.21	PASS
76	2-nitrodiphenylamine	32.301	641	99.68	
77	Fluoranthene	11172.717	1116947	11.73	PASS
78	Benzidine	1.615	64	99.98	
79	Chrysene-d12	8000.000	505942	20.00	
80	Pyrene	10955.058	1111500	9.55	PASS
81	p-Terphenyl-d14	0.000	0	100.00	
82	Benzylbutyl phthalate	11398.583	556225	13.99	PASS
83	3,3-Dichlorobenzidine	0.000	0	100.00	
84	Benzo(a)anthracene	10181.908	744101	1.82	PASS
85	Chrysene	10036.842	682536	0.37	PASS
86	bis(2-Ethylhexyl)phthalate	10045.193	735402	0.45	PASS
87	Di-n-octyl phthalate	9972.744	1136448	0.27	PASS
88	Perylene-d12	8000.000	482929	20.00	
89	Benzo(b)fluoranthene	10603.371	706544	6.03	PASS
90	Benzo(k)fluoranthene	11075.736	666590	10.76	PASS
91	Benzo(a)pyrene	10950.380	673263	9.50	PASS
92	Indeno(1,2,3-cd)pyrene	11142.841	858719	11.43	PASS
93	Dibenz(a,h)anthracene	11219.442	743759	12.19	PASS
94	Benzo(g,h,i)perylene	10942.349	747492	9.42	PASS

		AREA	CAL AREA	%Ratio	FLAG
					>50 <200
1	1,4-Dichlorobenzene-d4	218122	258878	84.26	PASS
22	Naphthalene-d8	820844	993171	82.65	PASS
40	Acenaphthene-d10	445156	529561	84.06	PASS
64	Phenanthrene-d10	725905	788053	92.11	PASS
78	Chrysene-d12	505942	538526	93.95	PASS
88	Perylene-d12	482929	540618	89.33	PASS

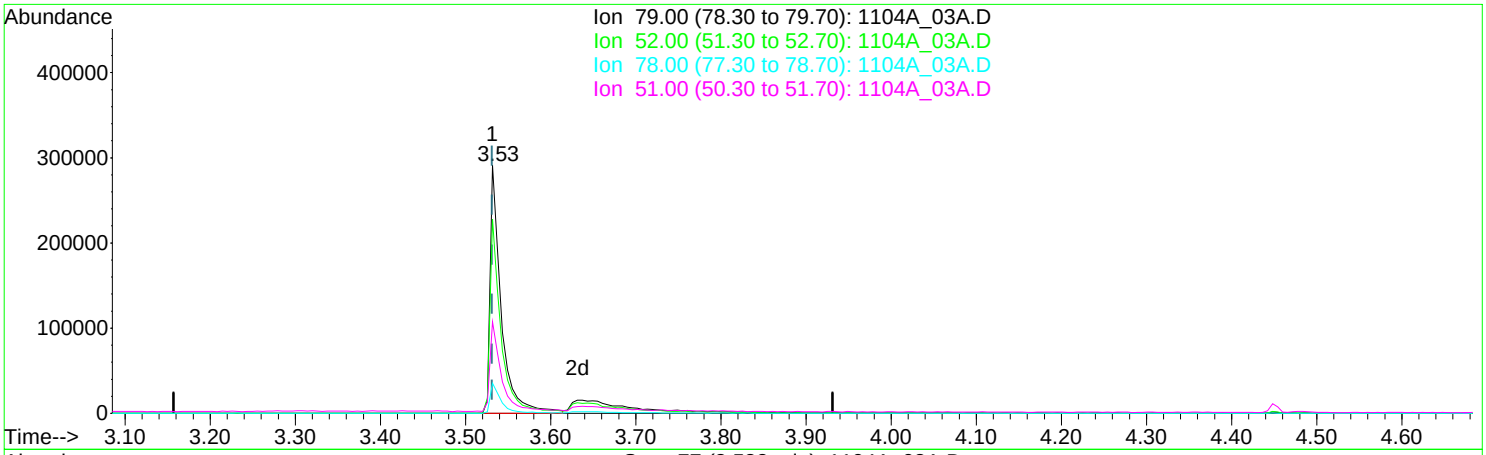
		Sample RT	CAL RT	DIFF	FLAG
					+/- 30sec
1	1,4-Dichlorobenzene-d4	5.24	5.241	0.00	PASS
22	Naphthalene-d8	5.99	5.988	0.00	PASS
40	Acenaphthene-d10	7.02	7.010	0.35	PASS
64	Phenanthrene-d10	7.89	7.885	0.35	PASS
78	Chrysene-d12	9.91	9.907	0.35	PASS
88	Perylene-d12	12.12	12.110	0.35	PASS

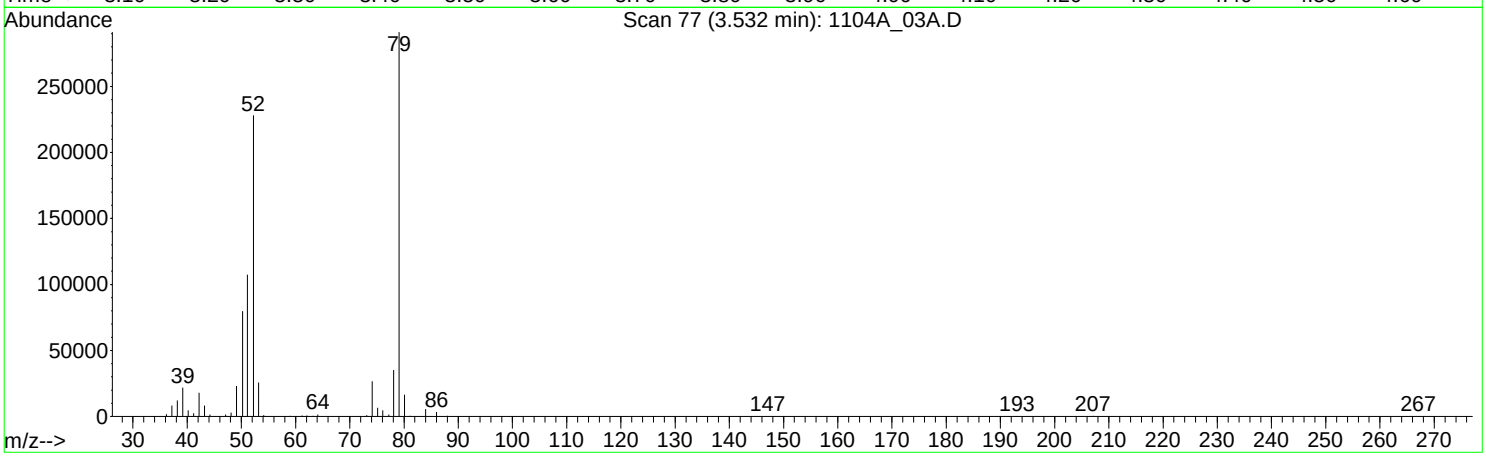
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_03A.D

(2) Pyridine (TM)
3.53min (0.000) 8285.8304526 ppb
Qvalue = 100
response 265193

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	78.32
78.00	12.10	12.11
51.00	36.90	36.03

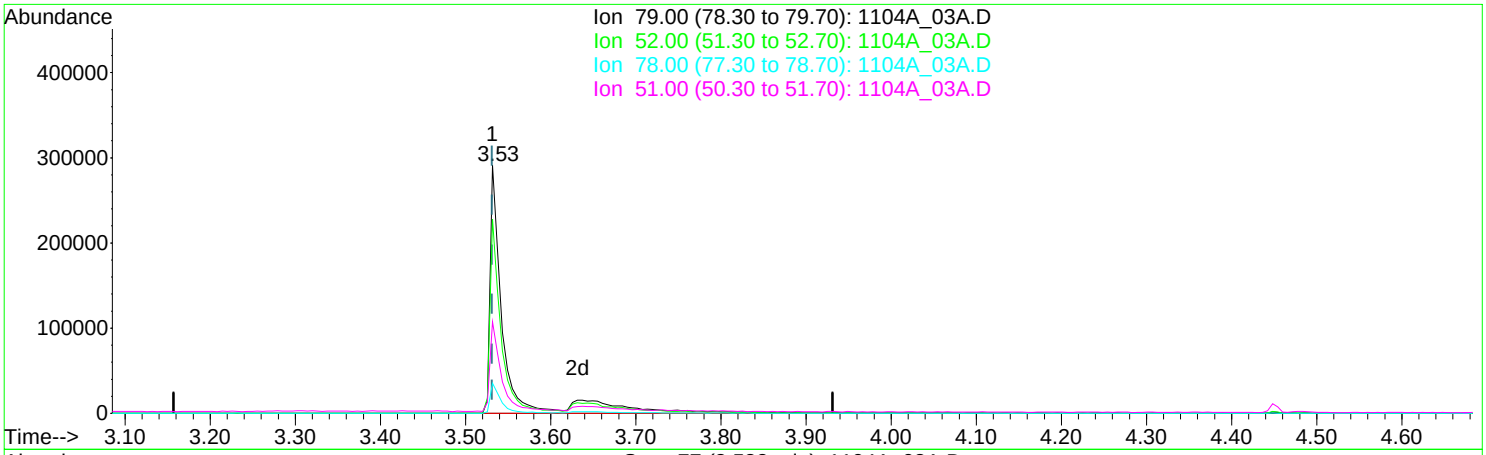
1104A_03A.D S810K04K.M Sat Nov 05 14:49:33 2011

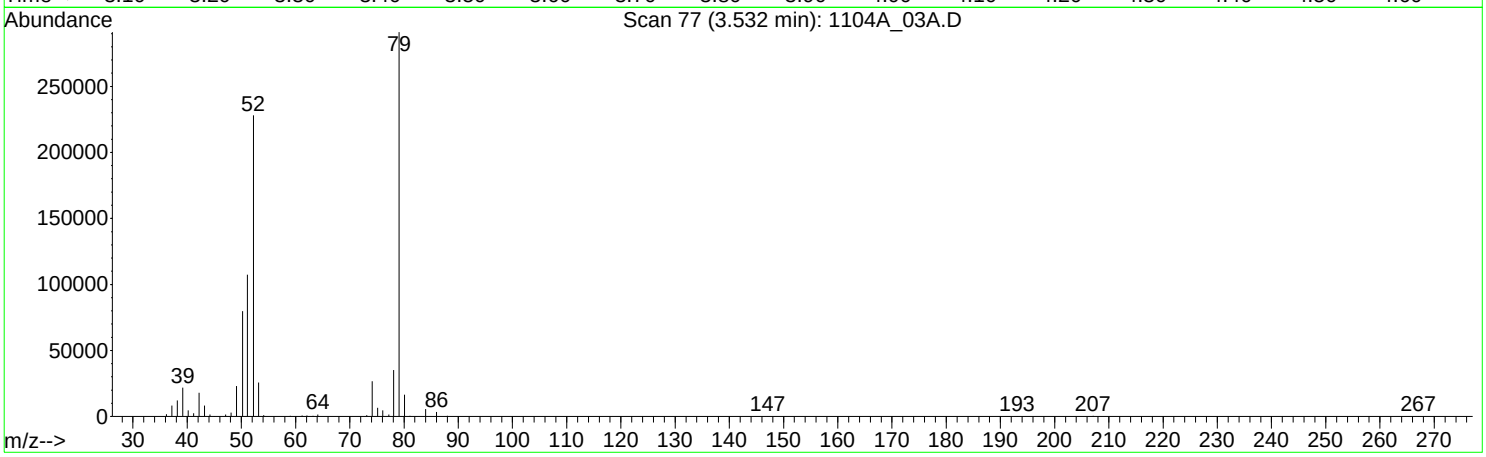
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_03A.D

(2) Pyridine (TM)
3.53min (0.000) 10828.3540225 ppb m

response 346568

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	78.32
78.00	12.10	12.11
51.00	36.90	36.89

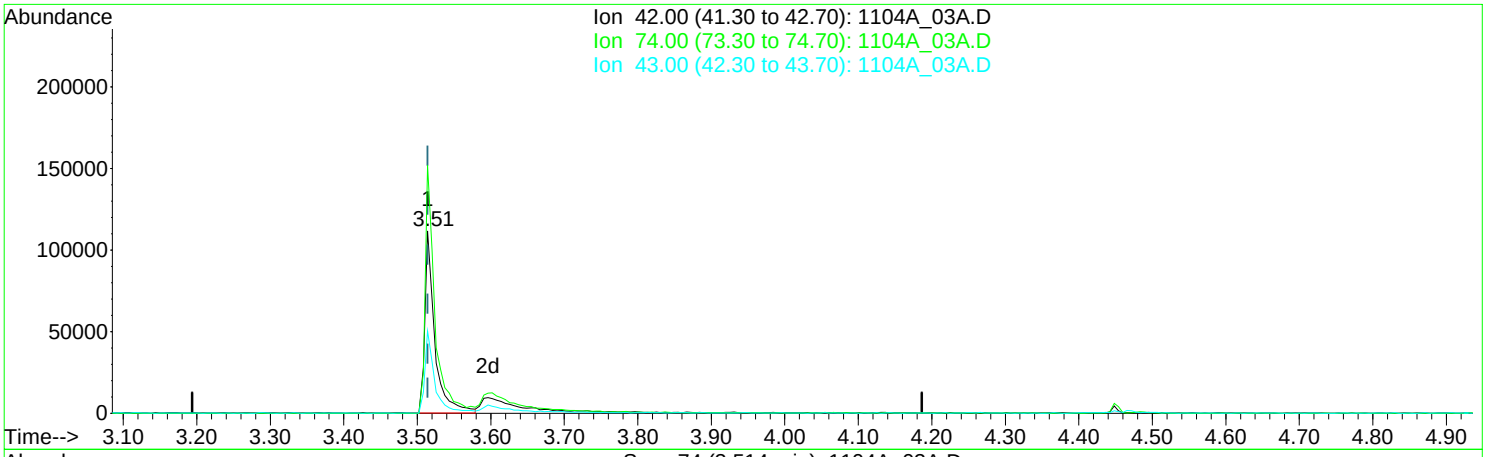
1104A_03A.D S810K04K.M Sat Nov 05 14:49:37 2011

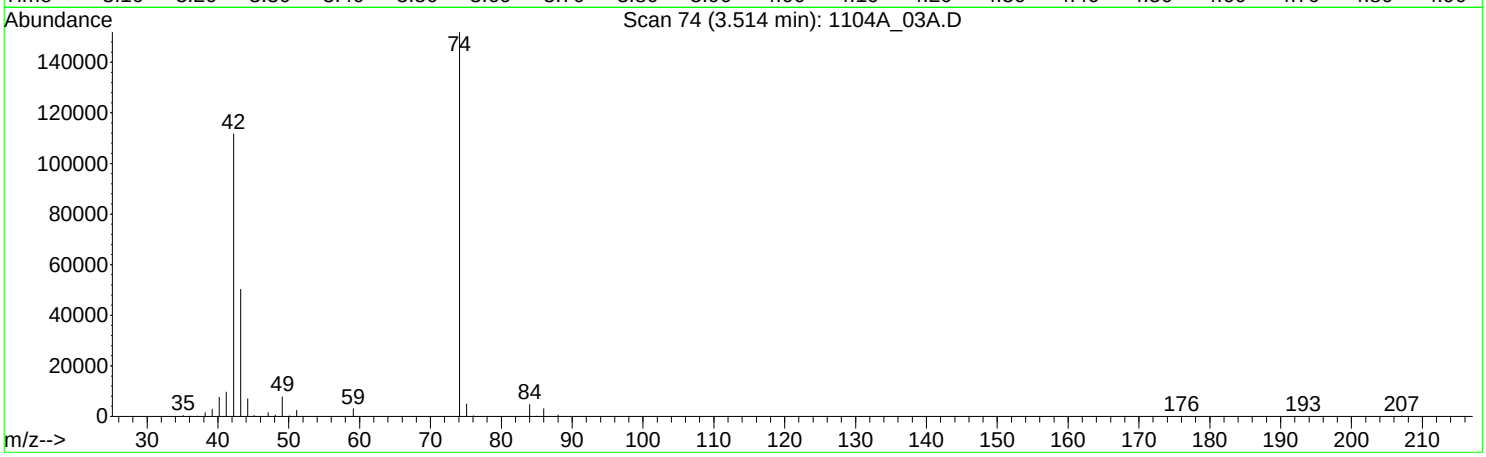
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_03A.D

(3) N-Nitrosodimethylamine (MT)
3.51min (0.000) 6849.5287627 ppb
Qvalue = 59
response 105303

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	134.93#
43.00	30.30	44.86
0.00	0.00	0.00

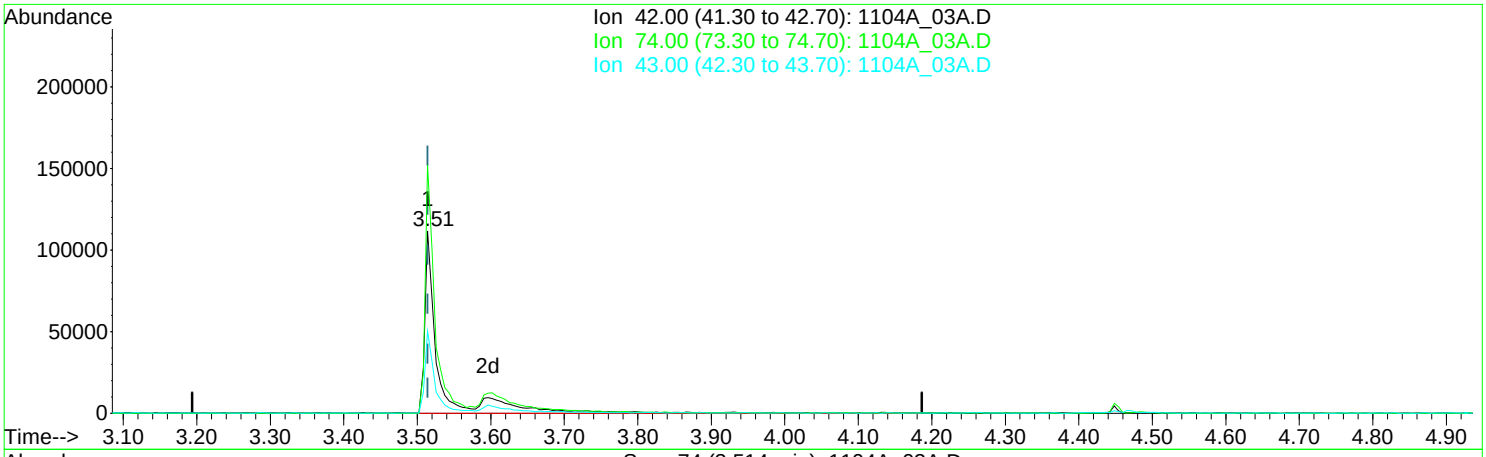
1104A_03A.D S810K04K.M Sat Nov 05 14:49:39 2011

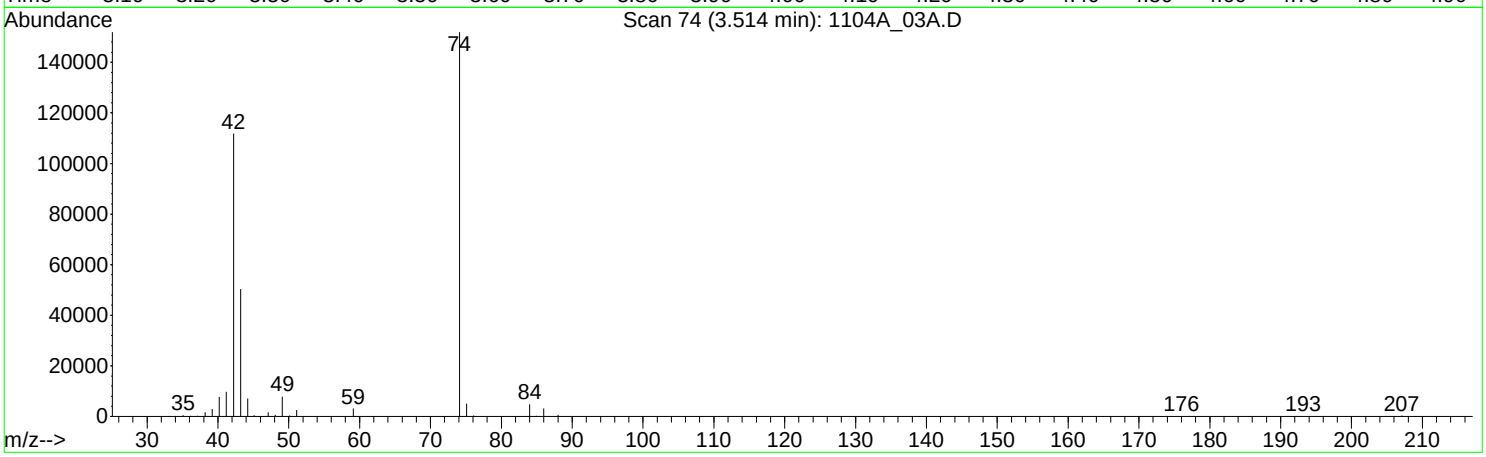
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_03A.D

(3) N-Nitrosodimethylamine (MT)
3.51min (0.000) 10132.3304599 ppb m

response 155772

Ion	Exp%	Act%
42.00	100	100
74.00	91.20	91.21
43.00	30.30	30.33
0.00	0.00	0.00

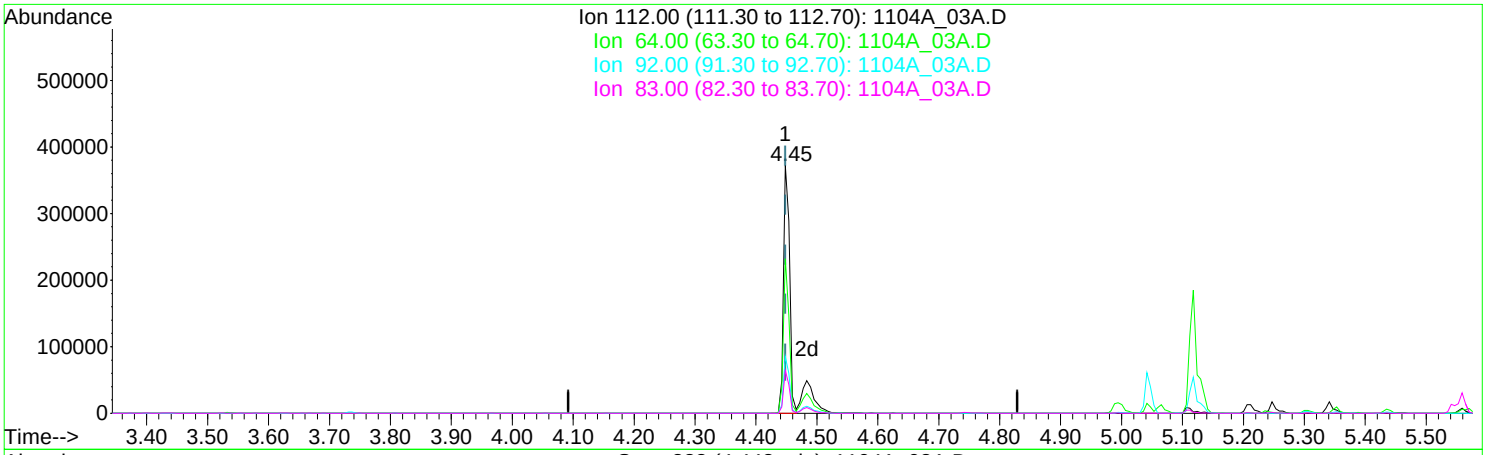
1104A_03A.D S810K04K.M Sat Nov 05 14:49:43 2011

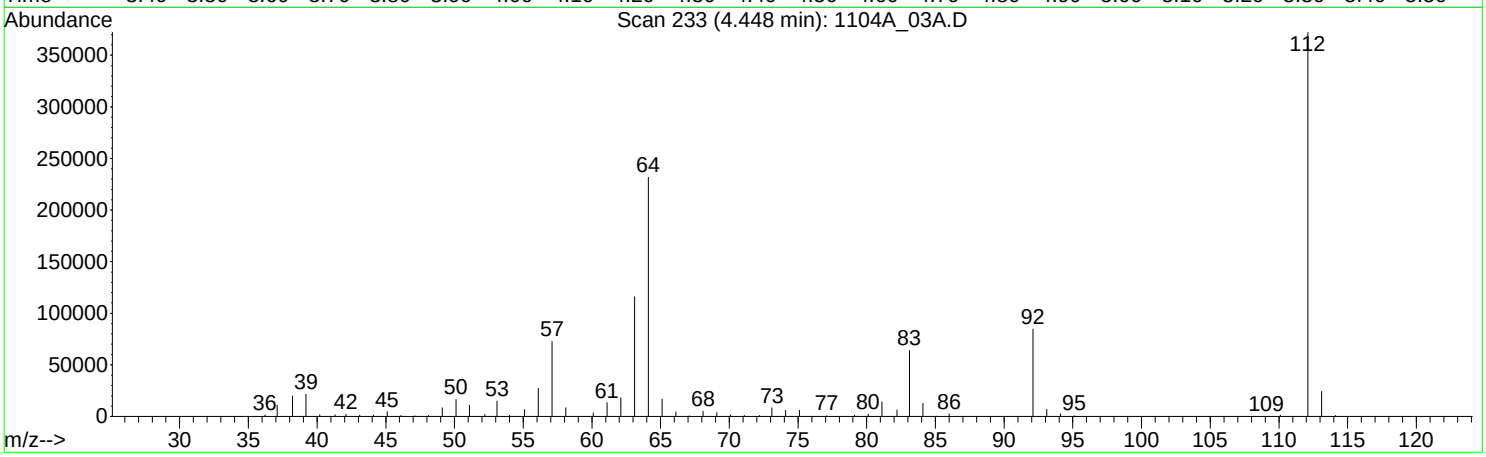
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_03A.D

(4) 2-Fluorophenol (S)
4.45min (0.000) 8591.3050481 ppb
Qvalue = 100
response 261897

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	62.28
92.00	22.80	22.83
83.00	17.30	17.27

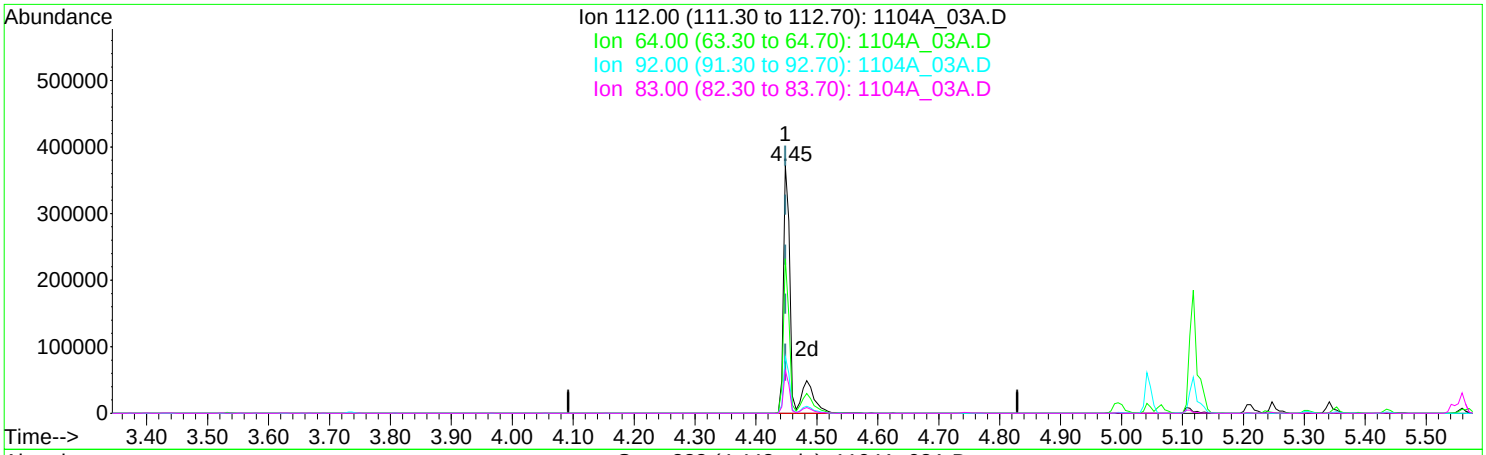
1104A_03A.D S810K04K.M Sat Nov 05 14:49:46 2011

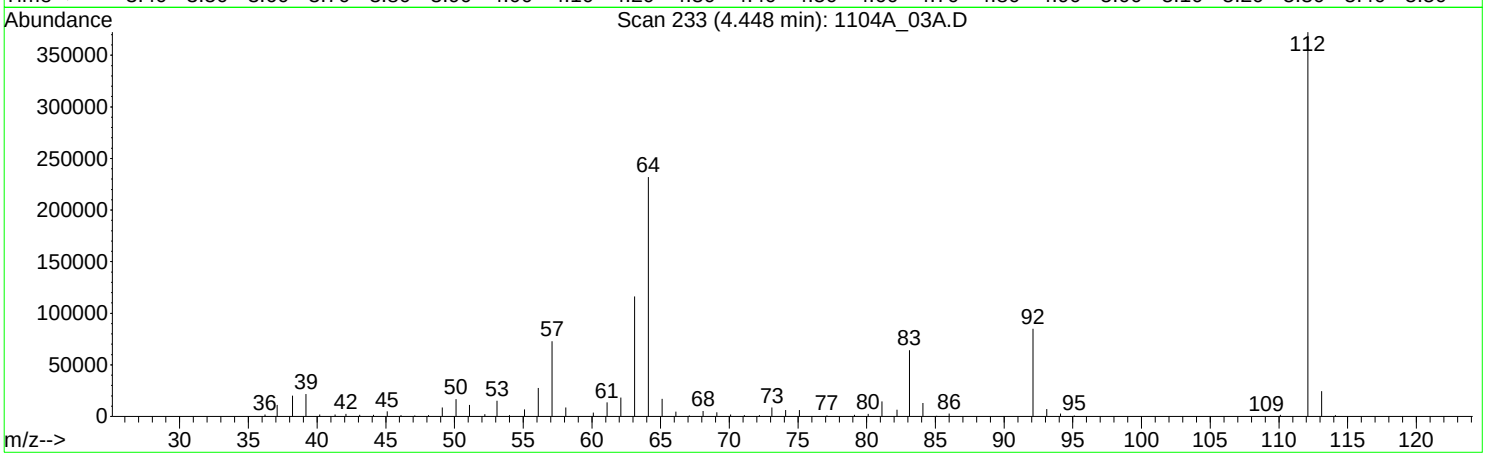
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_03A.D

(4) 2-Fluorophenol (S)
4.45min (0.000) 10851.3460616 ppb m

response 330792

Ion	Exp%	Act%
112.00	100	100
64.00	62.30	62.28
92.00	22.80	22.83
83.00	17.30	17.27

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377
Sample : MRL SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	182478	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	696907	8000.00 ppb	0.00
40) Acenaphthene-d10	7.02	164	373792	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	602800	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	400264	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	393295	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	330792m	10851.3460616 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 54256.73%#		
7) Phenol-d5	4.99	99	343286	10800.5412828 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 54002.71%#		
23) Nitrobenzene-d5	5.56	82	326521	10678.3320539 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 106783.32%#		
44) 2-Fluorobiphenyl	6.59	172	674583	11327.4262543 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 113274.26%#		
67) 2,4,6-Tribromophenol	7.47	330	67552	10351.3354351 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 51756.68%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 109339.14%#		

Target Compounds

					Qvalue
2) Pyridine	3.53	79	346568m	10828.3540225 ppb	
3) N-Nitrosodimethylamine	3.51	42	155772m	10132.3304599 ppb	
5) Aniline	5.04	93	351442	10776.6058771 ppb	100
6) bis(2-Chloroethyl)ether	5.07	93	397803	10603.0873613 ppb	100
8) Phenol	5.00	94	411261	10589.0451935 ppb	100
9) Benzaldehyde	5.01	105	13800	571.3947169 ppb #	38
10) 2-Chlorophenol	5.12	128	344773	10689.8781298 ppb	100
11) n-Decane	5.11	41	169116	10662.7738999 ppb	100
12) 1,3-Dichlorobenzene	5.21	146	383662	10694.0227878 ppb	100
13) 1,4-Dichlorobenzene	5.25	146	387616	10849.5508003 ppb	100
14) Benzyl Alcohol	5.31	79	233001	10631.2194082 ppb	100
15) 1,2-Dichlorobenzene	5.34	146	355837	10517.5798130 ppb	100
16) bis(2-Chloroisopropyl)ethe	5.37	121	114490	10611.7397957 ppb	100
17) 2-Methylphenol	5.35	108	303366	10699.5758655 ppb	100
18) Hexachloroethane	5.54	117	138509	10460.6270326 ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377
Sample : MRL SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	218671	10756.1511537 ppb		100
20)	3&4-Methyl phenol	5.44	107	330943	10455.5156423 ppb		100
21)	Acetophenone	5.44	105	3152	83.4570864 ppb	#	1
24)	Nitrobenzene	5.57	77	305819	10734.6420963 ppb		100
25)	Isophorone	5.70	82	597559	10873.3019876 ppb		100
26)	2-Nitrophenol	5.75	139	177315	11187.7671221 ppb		100
27)	2,4-Dimethylphenol	5.75	107	298119	11841.3506395 ppb		100
28)	bis(2-Chlorethoxy)methane	5.81	93	373689	10759.3204266 ppb		100
29)	2,4-Dichlorophenol	5.89	162	263383	10757.7716302 ppb		100
30)	Benzoic Acid	5.75	105	9379	1754.9816674 ppb	#	1
31)	1,2,4-Trichlorobenzene	5.95	180	332886	10828.0298901 ppb		100
32)	Naphthalene	6.00	128	1001416	10992.1325237 ppb		100
33)	4-Chloroaniline	6.01	65	89155	10446.8046125 ppb		100
34)	Hexachloro-1,3-butadiene	6.05	225	163048	11030.9744459 ppb		100
35)	Caprolactam	6.27	113	7921	859.9191799 ppb	#	31
36)	4-Chloro-3-methylphenol	6.27	107	268369	10950.4049603 ppb		100
37)	2-Methylnaphthalene	6.40	142	627862	11083.2675561 ppb		100
38)	1-Methylnaphthalene	6.46	142	648318	11284.4864889 ppb		100
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	1740	68.0741634 ppb		92
41)	Hexachlorocyclopentadiene	6.48	237	123868	11811.6683102 ppb		100
42)	2,4,6-Trichlorophenol	6.55	196	186672	11346.5212525 ppb		100
43)	2,4,5-Trichlorophenol	6.58	196	183306	10856.4038326 ppb		100
45)	Biphenyl	6.66	154	750030	10881.7314407 ppb		100
46)	2-Chloronaphthalene	6.69	162	590235	11066.1250421 ppb		100
47)	2-Nitroaniline	6.73	138	176096	10747.8621893 ppb		100
48)	Acenaphthylene	6.93	152	897913	11161.4097748 ppb		100
49)	Dimethyl phthalate	6.81	163	652979	10932.6447330 ppb		100
50)	2,6-Dinitrotoluene	6.86	165	149412	11023.3557610 ppb		100
51)	3-Nitroaniline	6.97	138	83396	10654.2769354 ppb		100
52)	Acenaphthene	7.03	153	598252	11291.0695498 ppb		100
53)	2,4-Dinitrophenol	7.02	184	42632	9072.9215736 ppb		100
54)	Dibenzofuran	7.13	168	786994	10906.8465214 ppb		100
55)	2,4-Dinitrotoluene	7.10	165	180418	10418.6882558 ppb		100
56)	2,3,4,6-Tetrachlorophenol	7.19	232	134274	12828.2771192 ppb		95
58)	Fluorene	7.33	166	631918	11107.0525416 ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377
Sample : MRL SVMS 10000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	320358	11128.0833032 ppb		100
60)	Diethyl phthalate	7.21	149	642292	11142.6548316 ppb		100
61)	4-Nitroaniline	7.33	138	76411	10812.5785083 ppb		100
62)	Azobenzene	7.40	77	592140	10814.8829584 ppb		100
63)	Atrazine	7.76	200	16853	1007.0320814 ppb	#	7
65)	4,6-Dinitro-2-methylphenol	7.33	198	68548	9778.4099308 ppb		100
66)	N-Nitrosodiphenylamine	7.37	169	509871	10904.8382125 ppb		100
68)	4-Bromophenyl-phenylether	7.60	248	173413	10590.3290936 ppb		100
69)	Hexachlorobenzene	7.66	284	193614	10938.5863390 ppb		100
70)	n-octadecane	7.73	55	108166	10799.1181009 ppb		100
71)	Pentachlorophenol	7.76	266	95042	9576.8492375 ppb		100
72)	Phenanthrene	7.90	178	889120	10797.4209468 ppb		100
73)	Anthracene	7.93	178	876817	11183.9360196 ppb		100
74)	Carbazole	8.01	167	662427	10177.7724906 ppb		99
75)	Di-n-butyl phthalate	8.16	149	1130751	11445.1853574 ppb		100
76)	2-nitrodiphenylamine	8.29	167	470	28.5210194 ppb	#	1
77)	Fluoranthene	8.63	202	917352	11050.1655003 ppb		100
79)	Benzidine	8.61	184	57	1.8182088 ppb	#	1
80)	Pyrene	8.80	202	895234	11153.1098420 ppb		100
82)	Benzylbutyl phthalate	9.22	149	441632	11439.7123032 ppb		100
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.89	228	609957	10549.9576443 ppb		100
85)	Chrysene	9.94	228	573738	10664.4715159 ppb		100
86)	bis(2-Ethylhexyl)phthalate	9.78	149	640689	11062.0325720 ppb		100
87)	Di-n-octyl phthalate	10.66	149	951363	10552.7476674 ppb		100
89)	Benzo(b)fluoranthene	11.43	252	564523	10402.8237359 ppb		100
90)	Benzo(k)fluoranthene	11.48	252	541016	11037.9593405 ppb		100
91)	Benzo(a)pyrene	12.02	252	532708	10638.9444172 ppb		100
92)	Indeno(1,2,3-cd)pyrene	13.80	276	689281	10982.6213970 ppb		100
94)	Benzo(g,h,i)perylene	14.30	276	603527	10848.3972380 ppb		100

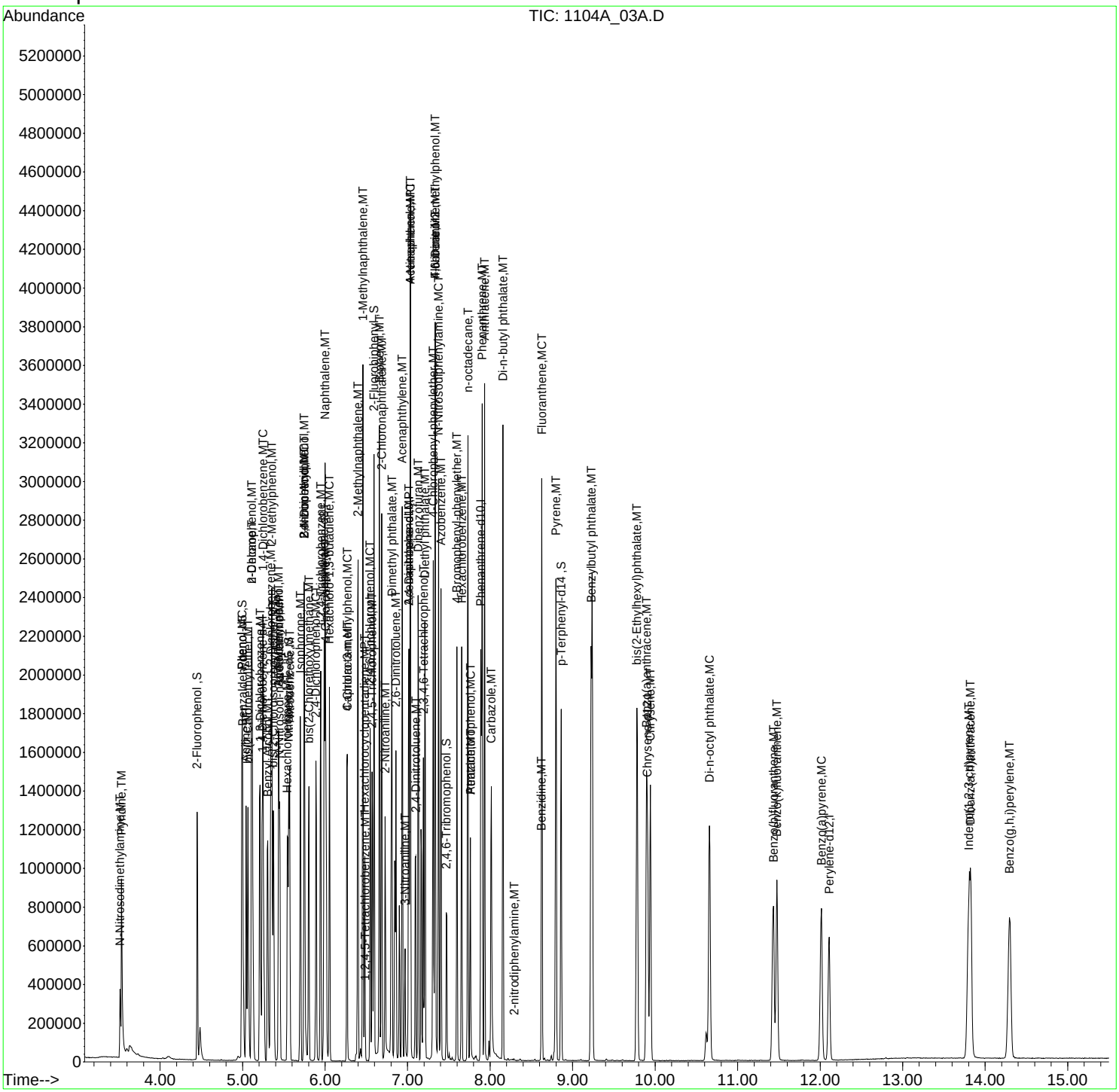
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_03A.D Vial: 2
Acq On : 4 Nov 2011 7:34 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:49 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



MRL CALIBRATION REPORT

Sample Name MRL SVMS 10000 ppb 11G20058
Data File Name 1104A_03A.D
Acquired 11/4/2011 19:34

level **10000** ppb

	Name	amount	area	%diff	30% Linear	40% MN	50% 8270D	Fit**
1	1,4-Dichlorobenzene-d4	8000.000	182478					
2	Pyridine	10828.354	346568	8.28	PASS	PASS	PASS	1
3	N-Nitrosodimethylamine	10132.330	155772	1.32	PASS	PASS	PASS	1
4	2-Fluorophenol	10851.346	330792	8.51	PASS	PASS	PASS	1
5	Aniline	10776.606	351442	7.77	PASS	PASS	PASS	1
6	bis(2-Chloroethyl)ether	10603.087	397803	6.03	PASS	PASS	PASS	1
7	Phenol-d5	10800.541	343286	8.01	PASS	PASS	PASS	1
8	Phenol	10589.045	411261	5.89	PASS	PASS	PASS	1
9	Benzaldehyde	571.395	13800	94.29	FAIL*	FAIL*	FAIL*	1
10	2-Chlorophenol	10689.878	344773	6.90	PASS	PASS	PASS	1
11	n-Decane	10662.774	169116	6.63	PASS	PASS	PASS	1
12	1,3-Dichlorobenzene	10694.023	383662	6.94	PASS	PASS	PASS	1
13	1,4-Dichlorobenzene	10849.551	387616	8.50	PASS	PASS	PASS	1
14	Benzyl Alcohol	10631.219	233001	6.31	PASS	PASS	PASS	1
15	1,2-Dichlorobenzene	10517.580	355837	5.18	PASS	PASS	PASS	1
16	bis(2-Chloroisopropyl)ether	10611.740	114490	6.12	PASS	PASS	PASS	1
17	2-Methylphenol	10699.576	303366	7.00	PASS	PASS	PASS	1
18	Hexachloroethane	10460.627	138509	4.61	PASS	PASS	PASS	1
19	N-Nitrosodi-n-propylamine	10756.151	218671	7.56	PASS	PASS	PASS	1
20	3&4-Methyl phenol	10455.516	330943	4.56	PASS	PASS	PASS	1
21	Acetophenone	83.457	3152	99.17	FAIL*	FAIL*	FAIL*	1
22	Naphthalene-d8	8000.000	696907	20.00				
23	Nitrobenzene-d5	10678.332	326521	6.78	PASS	PASS	PASS	1
24	Nitrobenzene	10734.642	305819	7.35	PASS	PASS	PASS	1
25	Isophorone	10873.302	597559	8.73	PASS	PASS	PASS	1
26	2-Nitrophenol	11187.767	177315	11.88	PASS	PASS	PASS	1
27	2,4-Dimethylphenol	11841.351	298119	18.41	PASS	PASS	PASS	1
28	bis(2-Chlorethoxy)methane	10759.320	373689	7.59	PASS	PASS	PASS	1
29	2,4-Dichlorophenol	10757.772	263383	7.58	PASS	PASS	PASS	1
30	Benzoic Acid	1754.982	9379	82.45	FAIL*	FAIL*	FAIL*	3
31	1,2,4-Trichlorobenzene	10828.030	332886	8.28	PASS	PASS	PASS	1
32	**Naphthalene**	**10992.133**	**1001416**	**9.92**	**PASS**	**PASS**	**PASS**	**1**
33	4-Chloroaniline	10446.805	89155	4.47	PASS	PASS	PASS	1
34	Hexachloro-1,3-butadiene	11030.974	163048	10.31	PASS	PASS	PASS	1
35	Caprolactam	859.919	7921	91.40	FAIL*	FAIL*	FAIL*	1
36	4-Chloro-3-methylphenol	10950.405	268369	9.50	PASS	PASS	PASS	1
37	**2-Methylnaphthalene**	**11083.268**	**627862**	**10.83**	**PASS**	**PASS**	**PASS**	**1**
38	**1-Methylnaphthalene**	**11284.486**	**648318**	**12.84**	**PASS**	**PASS**	**PASS**	**1**
39	1,2,4,5-Tetrachlorobenzene	68.074	1740	99.32	FAIL*	FAIL*	FAIL*	1
40	Acenaphthene-d10	8000.000	373792	20.00				
41	Hexachlorocyclopentadiene	11811.668	123868	18.12	PASS	PASS	PASS	1
42	2,4,6-Trichlorophenol	11346.521	186672	13.47	PASS	PASS	PASS	1
43	2,4,5-Trichlorophenol	10856.404	183306	8.56	PASS	PASS	PASS	1
44	2-Fluorobiphenyl	11327.426	674583	13.27	PASS	PASS	PASS	1

45	Biphenyl	10881.731	750030	8.82	PASS	PASS	PASS	1
46	2-Chloronaphthalene	11066.125	590235	10.66	PASS	PASS	PASS	1
47	2-Nitroaniline	10747.862	176096	7.48	PASS	PASS	PASS	1
48	**Acenaphthylene**	**11161.410**	**897913**	**11.61**	**PASS**	**PASS**	**PASS**	**1**
49	**Dimethyl phthalate**	**10932.645**	**652979**	**9.33**	**PASS**	**PASS**	**PASS**	**1**
50	2,6-Dinitrotoluene	11023.356	149412	10.23	PASS	PASS	PASS	1
51	3-Nitroaniline	10654.277	83396	6.54	PASS	PASS	PASS	1
52	**Acenaphthene**	**11291.070**	**598252**	**12.91**	**PASS**	**PASS**	**PASS**	**1**
53	2,4-Dinitrophenol	9072.922	42632	9.27	PASS	PASS	PASS	0
54	Dibenzofuran	10906.847	786994	9.07	PASS	PASS	PASS	1
55	2,4-Dinitrotoluene	10418.688	180418	4.19	PASS	PASS	PASS	1
56	2,3,4,6-Tetrachlorophenol	12828.277	134274	28.28	PASS*	PASS*	PASS*	1
57	4-Nitrophenol	10561.496	96715	5.61	PASS	PASS	PASS	1
58	**Fluorene**	**11107.053**	**631918**	**11.07**	**PASS**	**PASS**	**PASS**	**1**
59	4-Chlorophenyl-phenylether	11128.083	320358	11.28	PASS	PASS	PASS	1
60	**Diethyl phthalate**	**11142.655**	**642292**	**11.43**	**PASS**	**PASS**	**PASS**	**1**
61	4-Nitroaniline	10812.579	76411	8.13	PASS	PASS	PASS	0
62	Azobenzene	10814.883	592140	8.15	PASS	PASS	PASS	1
63	Atrazine	1007.032	16853	89.93	FAIL*	FAIL*	FAIL*	1
64	Phenanthrene-d10	8000.000	602800	20.00				
65	4,6-Dinitro-2-methylphenol	9778.410	68548	2.22	PASS	PASS	PASS	1
66	N-Nitrosodiphenylamine	10904.838	509871	9.05	PASS	PASS	PASS	1
67	2,4,6-Tribromophenol	10351.335	67552	3.51	PASS	PASS	PASS	1
68	4-Bromophenyl-phenylether	10590.329	173413	5.90	PASS	PASS	PASS	1
69	**Hexachlorobenzene**	**10938.586**	**193614**	**9.39**	**PASS**	**PASS**	**PASS**	**1**
70	n-octadecane	10799.118	108166	7.99	PASS	PASS	PASS	1
71	Pentachlorophenol	9576.849	95042	4.23	PASS	PASS	PASS	0
72	**Phenanthrene**	**10797.421**	**889120**	**7.97**	**PASS**	**PASS**	**PASS**	**1**
73	**Anthracene**	**11183.936**	**876817**	**11.84**	**PASS**	**PASS**	**PASS**	**1**
74	Carbazole	10177.772	662427	1.78	PASS	PASS	PASS	1
75	**Di-n-butyl phthalate**	**11445.185**	**1130751**	**14.45**	**PASS**	**PASS**	**PASS**	**1**
76	2-nitrodiphenylamine	28.521	470	99.71	FAIL*	FAIL*	FAIL*	1
77	**Fluoranthene**	**11050.166**	**917352**	**10.50**	**PASS**	**PASS**	**PASS**	**1**
78	Benzidine	1.818	57	99.98	FAIL*	FAIL*	FAIL*	1
79	Chrysene-d12	8000.000	400264	20.00				
80	**Pyrene**	**11153.110**	**895234**	**11.53**	**PASS**	**PASS**	**PASS**	**1**
81	p-Terphenyl-d14	10933.914	613816	9.34	PASS	PASS	PASS	1
82	**Benzylbutyl phthalate**	**11439.712**	**441632**	**14.40**	**PASS**	**PASS**	**PASS**	**1**
83	3,3-Dichlorobenzidine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
84	**Benzo(a)anthracene**	**10549.958**	**609957**	**5.50**	**PASS**	**PASS**	**PASS**	**1**
85	**Chrysene**	**10664.472**	**573738**	**6.64**	**PASS**	**PASS**	**PASS**	**1**
86	**bis(2-Ethylhexyl)phthalate**	**11062.033**	**640689**	**10.62**	**PASS**	**PASS**	**PASS**	**1**
87	**Di-n-octyl phthalate**	**10552.748**	**951363**	**5.53**	**PASS**	**PASS**	**PASS**	**1**
88	Perylene-d12	8000.000	393295	20.00				
89	**Benzo(b)fluoranthene**	**10402.824**	**564523**	**4.03**	**PASS**	**PASS**	**PASS**	**1**
90	**Benzo(k)fluoranthene**	**11037.959**	**541016**	**10.38**	**PASS**	**PASS**	**PASS**	**1**
91	**Benzo(a)pyrene**	**10638.944**	**532708**	**6.39**	**PASS**	**PASS**	**PASS**	**1**
92	**Indeno(1,2,3-cd)pyrene**	**10982.621**	**689281**	**9.83**	**PASS**	**PASS**	**PASS**	**1**
93	**Dibenz(a,h)anthracene**	**11000.639**	**593901**	**10.01**	**PASS**	**PASS**	**PASS**	**1**
94	**Benzo(g,h,i)perylene**	**10848.397**	**603527**	**8.48**	**PASS**	**PASS**	**PASS**	**1**

*compounds in 2nd mix

** 1=RSD, 0=Linear regression, 3= Quadratic regression

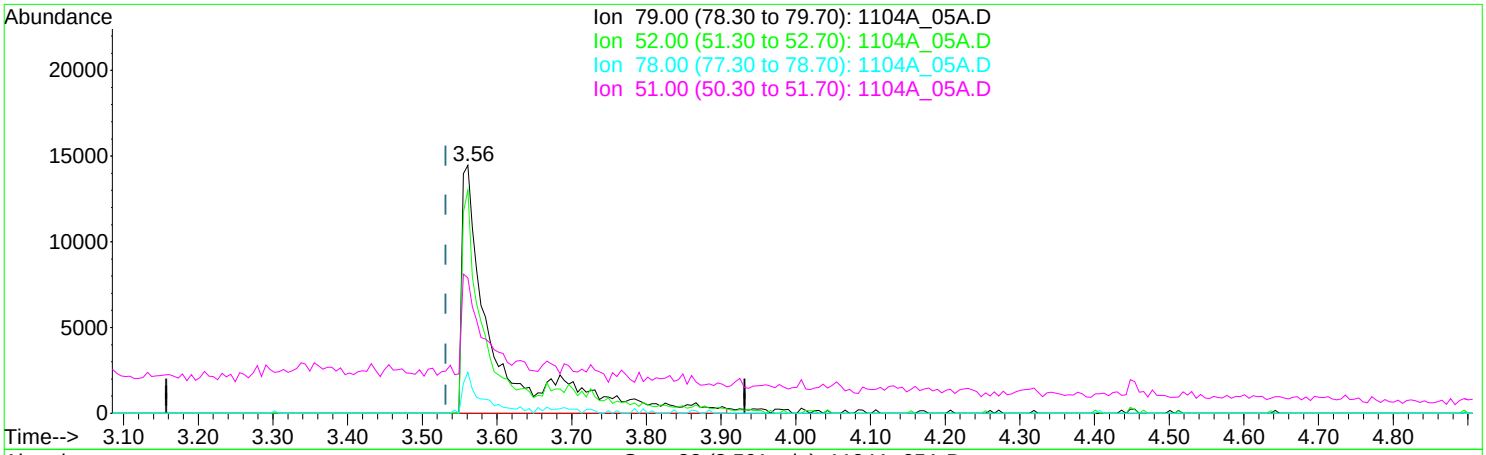
Bold highlighted compounds require 1000 ppb MRL

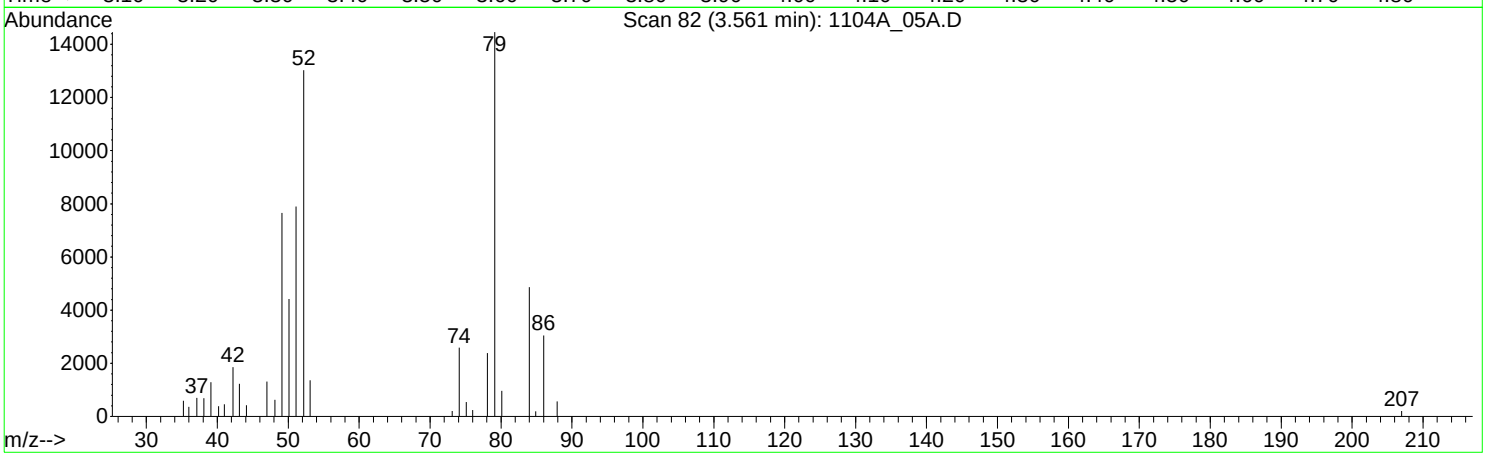
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_05A.D

(2) Pyridine (TM)
3.56min (+0.029) 957.2580730 ppb
Qvalue = 87
response 43465

Ion	Exp%	Act%
79.00	100	100
52.00	78.30	90.05
78.00	12.10	16.53#
51.00	36.90	43.92

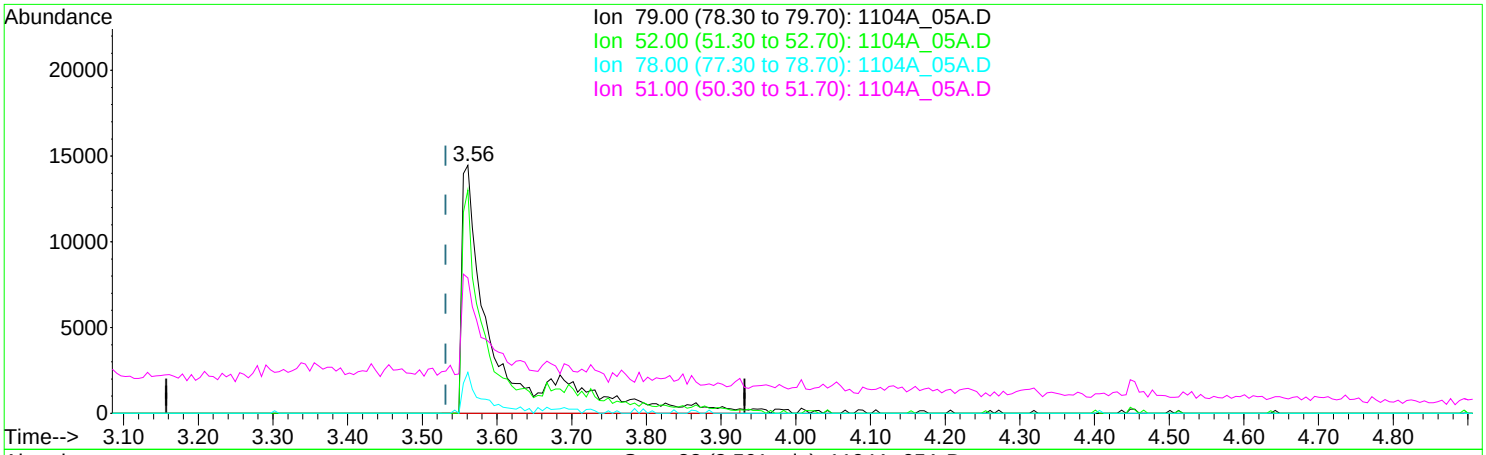
1104A_05A.D S810K04K.M Sat Nov 05 14:50:57 2011

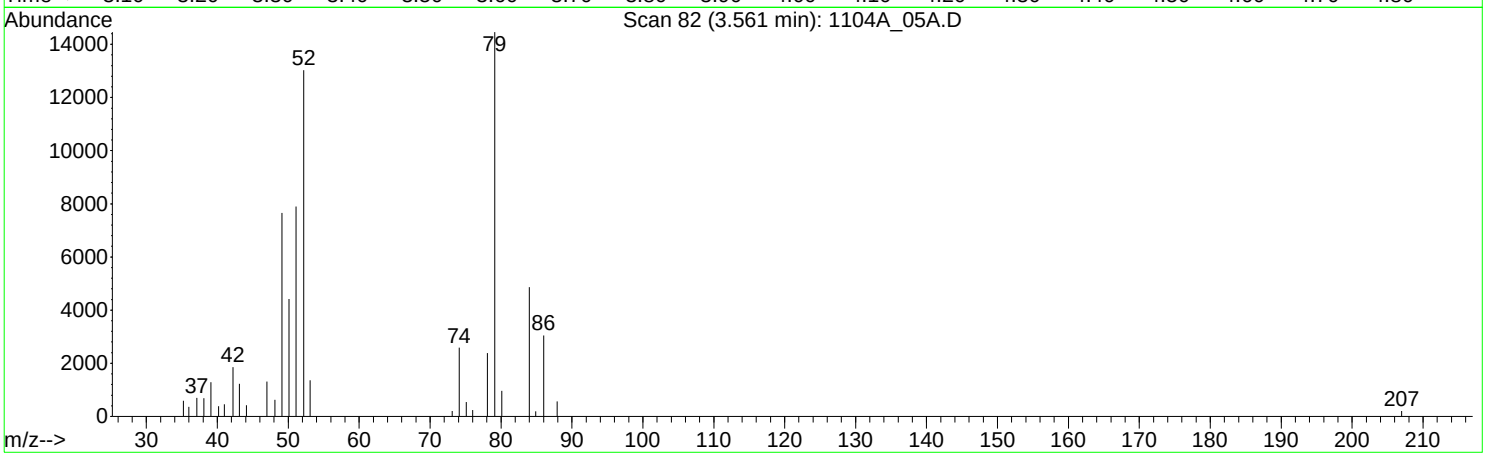
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_05A.D

(2) Pyridine (TM)
3.56min (+0.029) 963.0062464 ppb m

response 43726

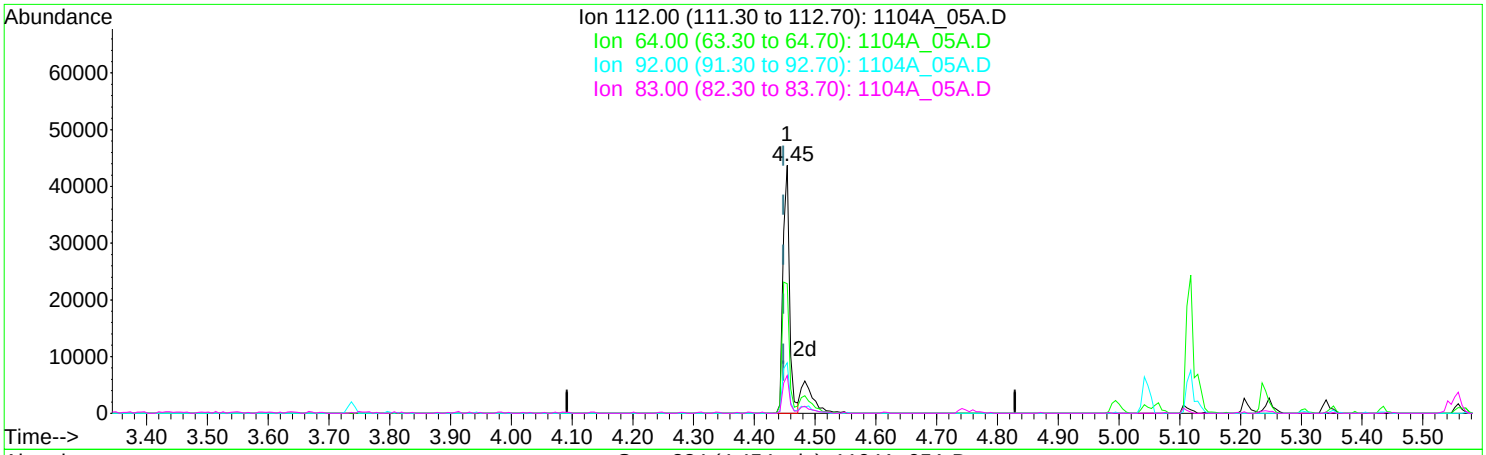
Ion	Exp%	Act%
79.00	100	100
52.00	78.30	90.05
78.00	12.10	16.53#
51.00	36.90	54.65#

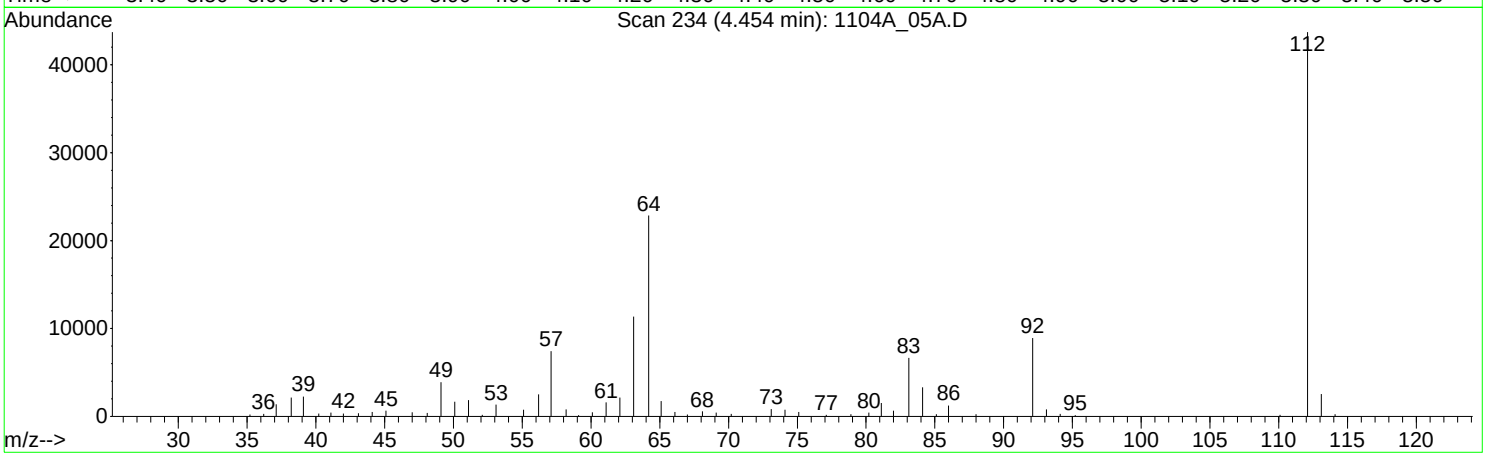
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:50 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_05A.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 743.4272381 ppb
Qvalue = 90
response 32151

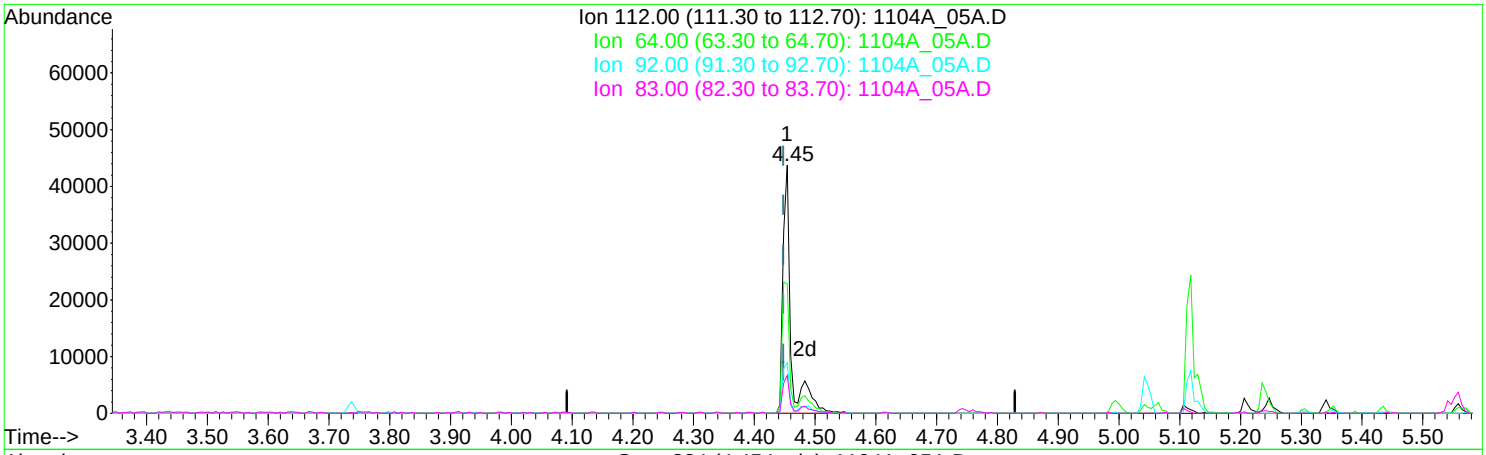
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	52.25
92.00	22.80	20.39
83.00	17.30	15.22

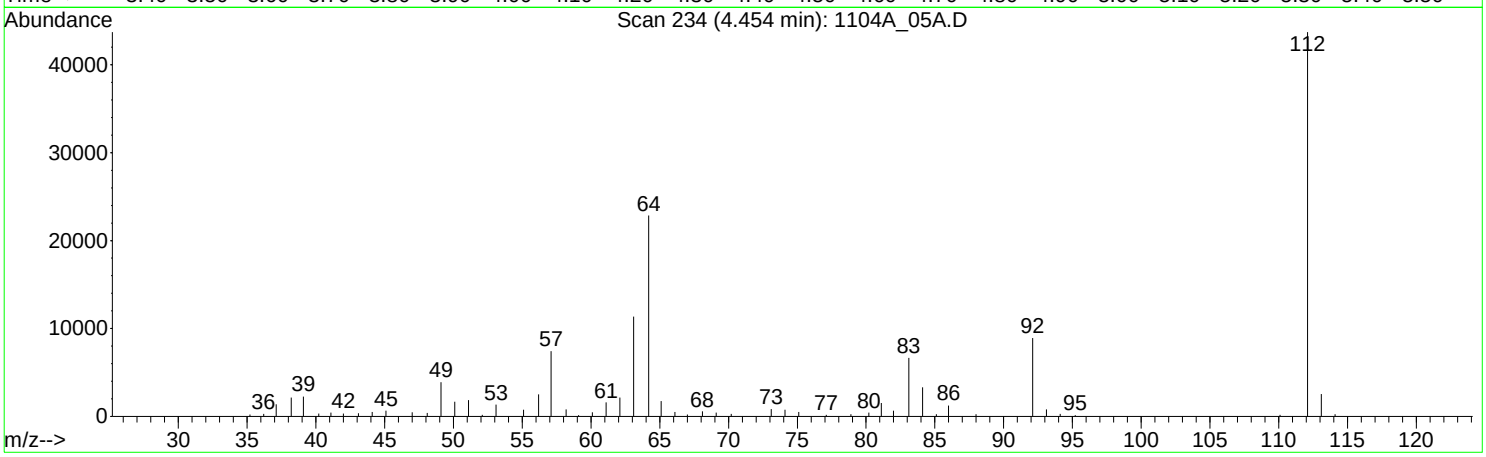
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_05A.D

(4) 2-Fluorophenol (S)
4.45min (+0.006) 928.9892296 ppb m

response 40176

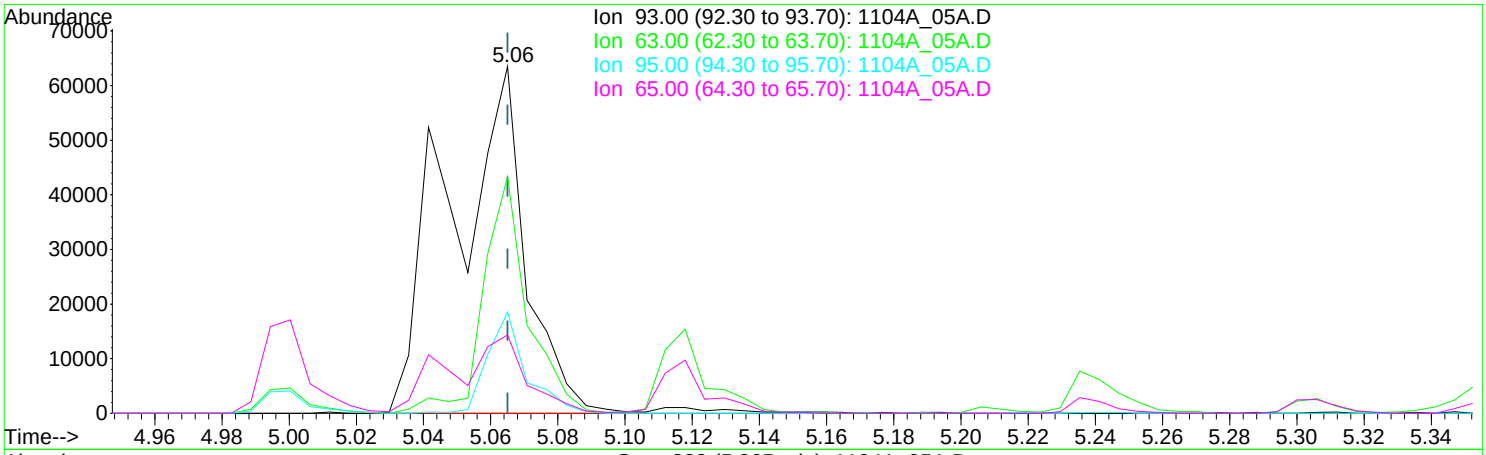
Ion	Exp%	Act%
112.00	100	100
64.00	62.30	52.25
92.00	22.80	20.39
83.00	17.30	15.22

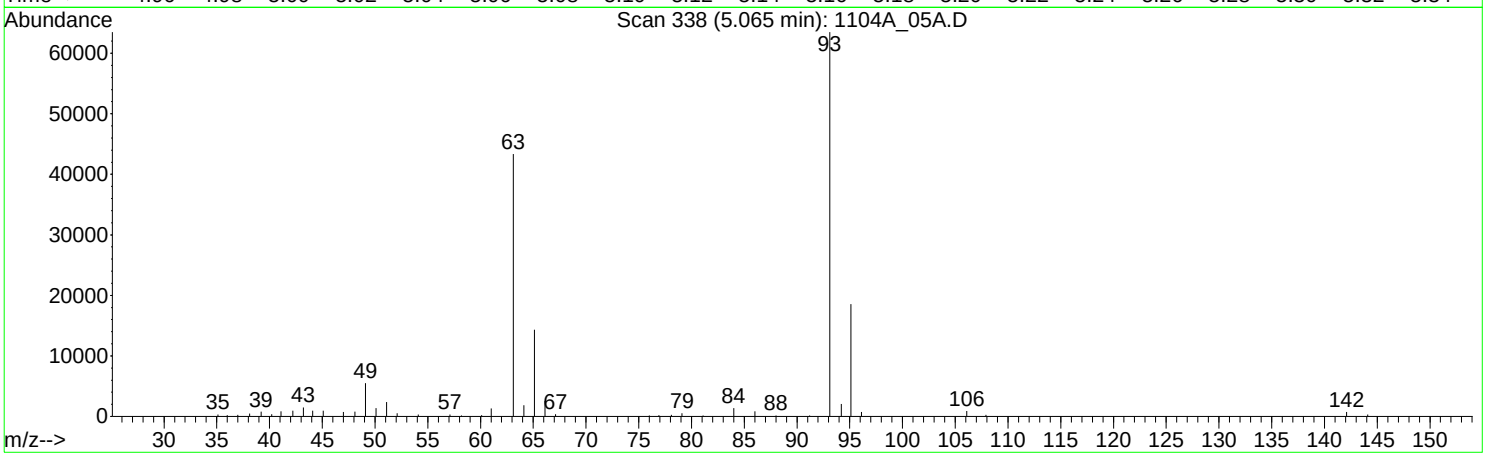
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_05A.D

(6) bis(2-Chloroethyl)ether (MT)
5.06min (-0.000) 1874.8130664 ppb
Qvalue = 98
response 99788

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	68.04
95.00	27.50	29.26
65.00	23.30	21.82

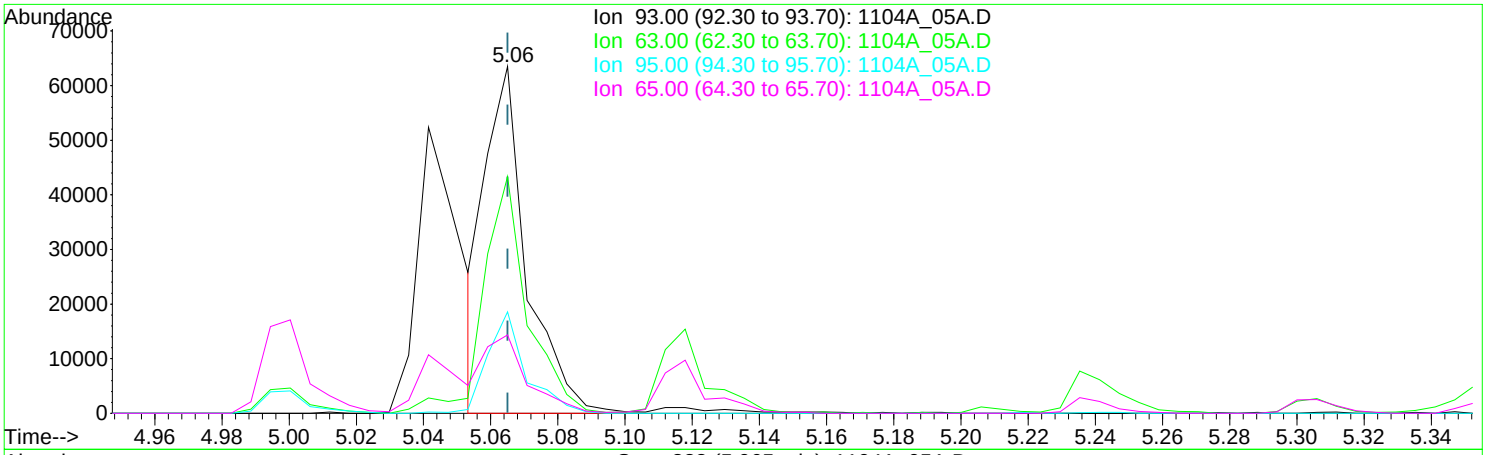
1104A_05A.D S810K04K.M Sat Nov 05 14:51:12 2011

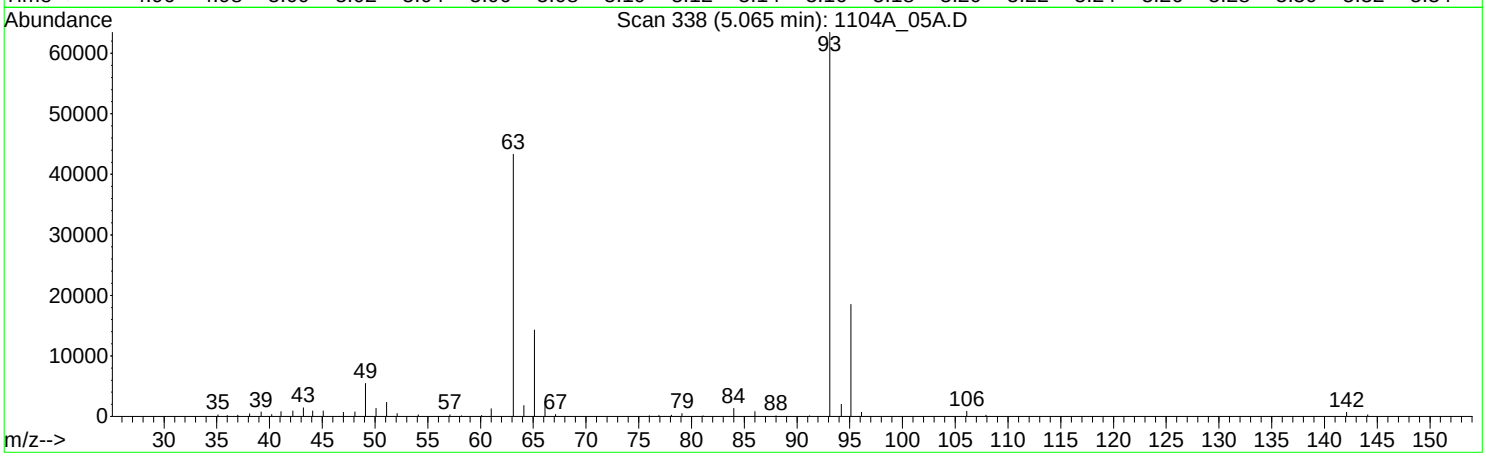
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:51 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Multiple Level Calibration





TIC: 1104A_05A.D

(6) bis(2-Chloroethyl)ether (MT)
5.06min (-0.000) 1023.7184267 ppb m

response 54488

Ion	Exp%	Act%
93.00	100	100
63.00	68.70	68.30
95.00	27.50	29.26
65.00	23.30	22.59

1104A_05A.D S810K04K.M Sat Nov 05 14:51:16 2011

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377
Sample : MRL SVMS 1000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:51 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	258878	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	993171	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	529561	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	788053	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	538526	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	540618	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.45	112	40176m	928.9892296 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 4644.95%#		
7) Phenol-d5	4.99	99	44711	991.5604136 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 4957.80%#		
23) Nitrobenzene-d5	5.56	82	44826	1028.6629250 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 10286.63%#		
44) 2-Fluorobiphenyl	6.59	172	96053	1138.4679090 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 11384.68%#		
67) 2,4,6-Tribromophenol	7.47	330	8441	989.3954020 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 4946.98%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 10362.56%#		

Target Compounds						Qvalue
2) Pyridine	3.56	79	43726m	963.0062464 ppb		
3) N-Nitrosodimethylamine	3.53	42	22731	1042.2066962 ppb	#	72
5) Aniline	5.04	93	45203	977.0368966 ppb	#	83
6) bis(2-Chloroethyl)ether	5.06	93	54488m	1023.7184267 ppb		
8) Phenol	5.00	94	55147	1000.8673776 ppb		99
9) Benzaldehyde	5.01	105	1684	49.1489890 ppb	#	16
10) 2-Chlorophenol	5.12	128	47505	1038.2314880 ppb		95
11) n-Decane	5.11	41	25258	1122.5348393 ppb		100
12) 1,3-Dichlorobenzene	5.21	146	53563	1052.3799850 ppb		96
13) 1,4-Dichlorobenzene	5.25	146	53980	1065.0213400 ppb		94
14) Benzyl Alcohol	5.31	79	31413	1010.2993608 ppb		99
15) 1,2-Dichlorobenzene	5.34	146	50540	1052.9683500 ppb		96
16) bis(2-Chloroisopropyl)ethe	5.37	121	15976	1043.7643430 ppb		93
17) 2-Methylphenol	5.35	108	43018	1069.4617098 ppb		94
18) Hexachloroethane	5.54	117	19276	1026.1527404 ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377
Sample : MRL SVMS 1000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:51 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	5.45	70	29543	1024.3200359	ppb		95
20)	3&4-Methyl phenol	5.44	107	47995	1068.8176581	ppb		97
21)	Acetophenone	5.44	105	418	7.8013302	ppb	#	1
24)	Nitrobenzene	5.57	77	42993	1058.9407300	ppb		98
25)	Isophorone	5.70	82	79812	1019.0597509	ppb		94
26)	2-Nitrophenol	5.75	139	23114	1023.3491830	ppb		97
27)	2,4-Dimethylphenol	5.75	107	38361	1069.1836339	ppb		99
28)	bis(2-Chlorethoxy)methane	5.81	93	52444	1059.5492126	ppb		97
29)	2,4-Dichlorophenol	5.89	162	34295	982.9155021	ppb		99
30)	Benzoic Acid	5.75	105	1156	1181.0212488	ppb	#	1
31)	1,2,4-Trichlorobenzene	5.95	180	47437	1082.7343816	ppb		99
32)	Naphthalene	6.00	128	143673	1106.6069330	ppb		99
33)	4-Chloroaniline	6.01	65	13328	1095.8561486	ppb		86
34)	Hexachloro-1,3-butadiene	6.05	225	22531	1069.6203745	ppb		99
35)	Caprolactam	6.26	113	907	69.0932635	ppb	#	62
36)	4-Chloro-3-methylphenol	6.26	107	34424	985.6210320	ppb		87
37)	2-Methylnaphthalene	6.40	142	86103	1066.5290730	ppb		99
38)	1-Methylnaphthalene	6.46	142	91557	1118.2427009	ppb		98
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	219	6.0121246	ppb	#	72
41)	Hexachlorocyclopentadiene	6.48	237	12848	864.7720689	ppb		98
42)	2,4,6-Trichlorophenol	6.55	196	23181	994.5571090	ppb		98
43)	2,4,5-Trichlorophenol	6.57	196	23376	977.2226317	ppb		95
45)	Biphenyl	6.66	154	113055	1157.7722915	ppb		99
46)	2-Chloronaphthalene	6.69	162	83660	1107.1398509	ppb		97
47)	2-Nitroaniline	6.73	138	22194	956.1415438	ppb		98
48)	Acenaphthylene	6.93	152	125440	1100.6135306	ppb		99
49)	Dimethyl phthalate	6.81	163	93000	1099.0639887	ppb		94
50)	2,6-Dinitrotoluene	6.86	165	20039	1043.5623415	ppb		90
51)	3-Nitroaniline	6.96	138	16467	1484.9343535	ppb		90
52)	Acenaphthene	7.03	153	87403	1164.3707084	ppb		99
53)	2,4-Dinitrophenol	7.02	184	3464	1846.7687028	ppb	#	1
54)	Dibenzofuran	7.13	168	111273	1088.5079024	ppb		99
55)	2,4-Dinitrotoluene	7.09	165	21285	867.6025951	ppb		81
56)	2,3,4,6-Tetrachlorophenol	7.19	232	16509	1113.2973687	ppb		96
58)	Fluorene	7.33	166	89584	1111.4311353	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377
Sample : MRL SVMS 1000 ppb 11G20058 Inst : BNAMS10
Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:51 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.31	204	43433	1064.9240397 ppb		94
60)	Diethyl phthalate	7.21	149	88178	1079.7679131 ppb		99
61)	4-Nitroaniline	7.32	138	15696	Below Cal		94
62)	Azobenzene	7.40	77	84397	1088.0239176 ppb		98
63)	Atrazine	7.76	200	1403	59.1749317 ppb	#	1
65)	4,6-Dinitro-2-methylphenol	7.33	198	6590	719.0791284 ppb		93
66)	N-Nitrosodiphenylamine	7.37	169	71820	1174.9574333 ppb		99
68)	4-Bromophenyl-phenylether	7.60	248	23710	1107.5852805 ppb		95
69)	Hexachlorobenzene	7.66	284	27289	1179.3151560 ppb		98
70)	n-octadecane	7.73	55	15614	1192.4207175 ppb		97
71)	Pentachlorophenol	7.76	266	8258	1101.2491108 ppb		96
72)	Phenanthrene	7.90	178	123517	1147.3718895 ppb		97
73)	Anthracene	7.93	178	112801	1100.5669814 ppb		100
74)	Carbazole	8.01	167	93176	1095.0566639 ppb		99
75)	Di-n-butyl phthalate	8.16	149	152821	1183.1960313 ppb		99
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.63	202	115661	1065.7062930 ppb		99
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.80	202	117459	1087.6409886 ppb		99
82)	Benzylbutyl phthalate	9.22	149	48874	940.9624831 ppb		100
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	9.89	228	81044	1041.8668489 ppb		98
85)	Chrysene	9.94	228	78942	1090.6206183 ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.78	149	66808	857.3457340 ppb		98
87)	Di-n-octyl phthalate	10.66	149	96870	798.6352068 ppb		99
89)	Benzo(b)fluoranthene	11.43	252	74058	992.8176794 ppb		98
90)	Benzo(k)fluoranthene	11.47	252	66593	988.4055714 ppb		99
91)	Benzo(a)pyrene	12.01	252	67193	976.2505159 ppb		99
92)	Indeno(1,2,3-cd)pyrene	13.80	276	87134	1010.0090847 ppb		97
94)	Benzo(g,h,i)perylene	14.29	276	78905	1031.8137795 ppb		98

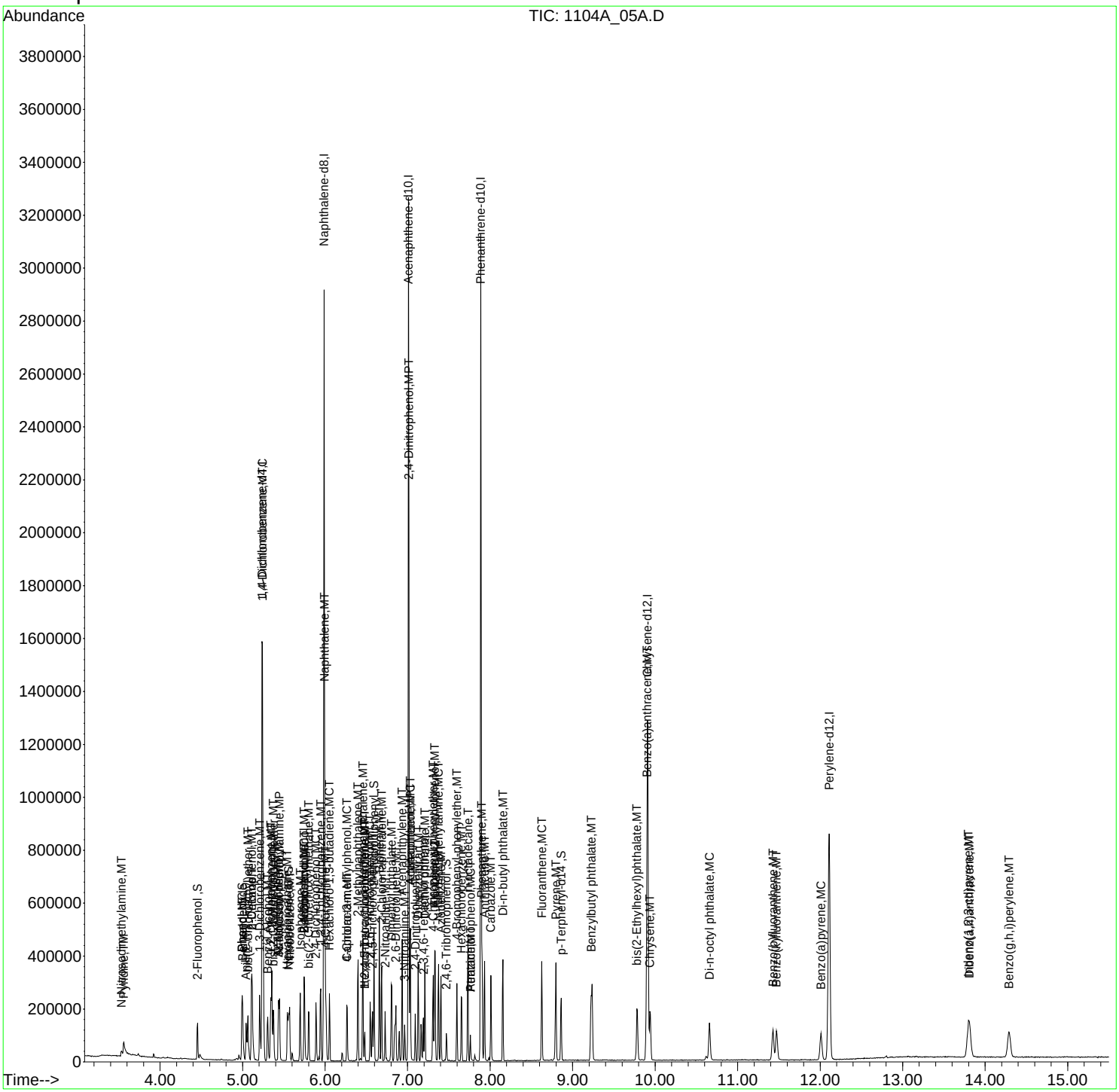
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_05A.D Vial: 4
Acq On : 4 Nov 2011 8:17 pm Operator: 377

Misc : 8270 Calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:51 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



MRL CALIBRATION REPORT

Sample Name MRL SVMS 1000 ppb 11G20058
Data File Name 1104A_05A.D
Acquired 11/4/2011 20:17

level **1000** ppb

	Name	amount	area	%diff	30% Linear	40% MN	50% 8270D	Fit**
1	1,4-Dichlorobenzene-d4	8000.000	258878					
2	Pyridine	963.006	43726	3.70	PASS	PASS	PASS	1
3	N-Nitrosodimethylamine	1042.207	22731	4.22	PASS	PASS	PASS	1
4	2-Fluorophenol	928.989	40176	7.10	PASS	PASS	PASS	1
5	Aniline	977.037	45203	2.30	PASS	PASS	PASS	1
6	bis(2-Chloroethyl)ether	1023.718	54488	2.37	PASS	PASS	PASS	1
7	Phenol-d5	991.560	44711	0.84	PASS	PASS	PASS	1
8	Phenol	1000.867	55147	0.09	PASS	PASS	PASS	1
9	Benzaldehyde	49.149	1684	95.09	FAIL*	FAIL*	FAIL*	1
10	2-Chlorophenol	1038.231	47505	3.82	PASS	PASS	PASS	1
11	n-Decane	1122.535	25258	12.25	PASS	PASS	PASS	1
12	1,3-Dichlorobenzene	1052.380	53563	5.24	PASS	PASS	PASS	1
13	1,4-Dichlorobenzene	1065.021	53980	6.50	PASS	PASS	PASS	1
14	Benzyl Alcohol	1010.299	31413	1.03	PASS	PASS	PASS	1
15	1,2-Dichlorobenzene	1052.968	50540	5.30	PASS	PASS	PASS	1
16	bis(2-Chloroisopropyl)ether	1043.764	15976	4.38	PASS	PASS	PASS	1
17	2-Methylphenol	1069.462	43018	6.95	PASS	PASS	PASS	1
18	Hexachloroethane	1026.153	19276	2.62	PASS	PASS	PASS	1
19	N-Nitrosodi-n-propylamine	1024.320	29543	2.43	PASS	PASS	PASS	1
20	3&4-Methyl phenol	1068.818	47995	6.88	PASS	PASS	PASS	1
21	Acetophenone	7.801	418	99.22	FAIL*	FAIL*	FAIL*	1
22	Naphthalene-d8	8000.000	993171	700.00				
23	Nitrobenzene-d5	1028.663	44826	2.87	PASS	PASS	PASS	1
24	Nitrobenzene	1058.941	42993	5.89	PASS	PASS	PASS	1
25	Isophorone	1019.060	79812	1.91	PASS	PASS	PASS	1
26	2-Nitrophenol	1023.349	23114	2.33	PASS	PASS	PASS	1
27	2,4-Dimethylphenol	1069.184	38361	6.92	PASS	PASS	PASS	1
28	bis(2-Chlorethoxy)methane	1059.549	52444	5.95	PASS	PASS	PASS	1
29	2,4-Dichlorophenol	982.916	34295	1.71	PASS	PASS	PASS	1
30	Benzoic Acid	1181.021	1156	18.10	PASS*	PASS*	PASS*	3
31	1,2,4-Trichlorobenzene	1082.734	47437	8.27	PASS	PASS	PASS	1
32	**Naphthalene**	**1106.607**	**143673**	**10.66**	**PASS**	**PASS**	**PASS**	**1**
33	4-Chloroaniline	1095.856	13328	9.59	PASS	PASS	PASS	1
34	Hexachloro-1,3-butadiene	1069.620	22531	6.96	PASS	PASS	PASS	1
35	Caprolactam	69.093	907	93.09	FAIL*	FAIL*	FAIL*	1
36	4-Chloro-3-methylphenol	985.621	34424	1.44	PASS	PASS	PASS	1
37	**2-Methylnaphthalene**	**1066.529**	**86103**	**6.65**	**PASS**	**PASS**	**PASS**	**1**
38	**1-Methylnaphthalene**	**1118.243**	**91557**	**11.82**	**PASS**	**PASS**	**PASS**	**1**
39	1,2,4,5-Tetrachlorobenzene	6.012	219	99.40	FAIL*	FAIL*	FAIL*	1
40	Acenaphthene-d10	8000.000	529561	700.00				
41	Hexachlorocyclopentadiene	864.772	12848	13.52	PASS	PASS	PASS	1
42	2,4,6-Trichlorophenol	994.557	23181	0.54	PASS	PASS	PASS	1
43	2,4,5-Trichlorophenol	977.223	23376	2.28	PASS	PASS	PASS	1
44	2-Fluorobiphenyl	1138.468	96053	13.85	PASS	PASS	PASS	1

45	Biphenyl	1157.772	113055	15.78	PASS	PASS	PASS	1
46	2-Chloronaphthalene	1107.140	83660	10.71	PASS	PASS	PASS	1
47	2-Nitroaniline	956.142	22194	4.39	PASS	PASS	PASS	1
48	**Acenaphthylene**	**1100.614**	**125440**	**10.06**	**PASS**	**PASS**	**PASS**	**1**
49	**Dimethyl phthalate**	**1099.064**	**93000**	**9.91**	**PASS**	**PASS**	**PASS**	**1**
50	2,6-Dinitrotoluene	1043.562	20039	4.36	PASS	PASS	PASS	1
51	3-Nitroaniline	1484.934	16467	48.49	FAIL	FAIL	PASS	1
52	**Acenaphthene**	**1164.371**	**87403**	**16.44**	**PASS**	**PASS**	**PASS**	**1**
53	2,4-Dinitrophenol	1846.769	3464	84.68	FAIL	FAIL	FAIL	0
54	Dibenzofuran	1088.508	111273	8.85	PASS	PASS	PASS	1
55	2,4-Dinitrotoluene	867.603	21285	13.24	PASS	PASS	PASS	1
56	2,3,4,6-Tetrachlorophenol	1113.297	16509	11.33	PASS*	PASS*	PASS*	1
57	4-Nitrophenol	827.615	10737	17.24	PASS	PASS	PASS	1
58	**Fluorene**	**1111.431**	**89584**	**11.14**	**PASS**	**PASS**	**PASS**	**1**
59	4-Chlorophenyl-phenylether	1064.924	43433	6.49	PASS	PASS	PASS	1
60	**Diethyl phthalate**	**1079.768**	**88178**	**7.98**	**PASS**	**PASS**	**PASS**	**1**
61	4-Nitroaniline	-2431.161	15696	343.12	FAIL	FAIL	FAIL	0
62	Azobenzene	1088.024	84397	8.80	PASS	PASS	PASS	1
63	Atrazine	59.175	1403	94.08	FAIL*	FAIL*	FAIL*	1
64	Phenanthrene-d10	8000.000	788053	700.00				
65	4,6-Dinitro-2-methylphenol	719.079	6590	28.09	PASS	PASS	PASS	1
66	N-Nitrosodiphenylamine	1174.957	71820	17.50	PASS	PASS	PASS	1
67	2,4,6-Tribromophenol	989.395	8441	1.06	PASS	PASS	PASS	1
68	4-Bromophenyl-phenylether	1107.585	23710	10.76	PASS	PASS	PASS	1
69	**Hexachlorobenzene**	**1179.315**	**27289**	**17.93**	**PASS**	**PASS**	**PASS**	**1**
70	n-octadecane	1192.421	15614	19.24	PASS	PASS	PASS	1
71	Pentachlorophenol	1101.249	8258	10.12	PASS	PASS	PASS	0
72	**Phenanthrene**	**1147.372**	**123517**	**14.74**	**PASS**	**PASS**	**PASS**	**1**
73	**Anthracene**	**1100.567**	**112801**	**10.06**	**PASS**	**PASS**	**PASS**	**1**
74	Carbazole	1095.057	93176	9.51	PASS	PASS	PASS	1
75	**Di-n-butyl phthalate**	**1183.196**	**152821**	**18.32**	**PASS**	**PASS**	**PASS**	**1**
76	2-nitrodiphenylamine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
77	**Fluoranthene**	**1065.706**	**115661**	**6.57**	**PASS**	**PASS**	**PASS**	**1**
78	Benzidine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
79	Chrysene-d12	8000.000	538526	700.00				
80	**Pyrene**	**1087.641**	**117459**	**8.76**	**PASS**	**PASS**	**PASS**	**1**
81	p-Terphenyl-d14	1036.256	78269	3.63	PASS	PASS	PASS	1
82	**Benzylbutyl phthalate**	**940.962**	**48874**	**5.90**	**PASS**	**PASS**	**PASS**	**1**
83	3,3-Dichlorobenzidine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
84	**Benzo(a)anthracene**	**1041.867**	**81044**	**4.19**	**PASS**	**PASS**	**PASS**	**1**
85	**Chrysene**	**1090.621**	**78942**	**9.06**	**PASS**	**PASS**	**PASS**	**1**
86	**bis(2-Ethylhexyl)phthalate**	**857.346**	**66808**	**14.27**	**PASS**	**PASS**	**PASS**	**1**
87	**Di-n-octyl phthalate**	**798.635**	**96870**	**20.14**	**PASS**	**PASS**	**PASS**	**1**
88	Perylene-d12	8000.000	540618	700.00				
89	**Benzo(b)fluoranthene**	**992.818**	**74058**	**0.72**	**PASS**	**PASS**	**PASS**	**1**
90	**Benzo(k)fluoranthene**	**988.406**	**66593**	**1.16**	**PASS**	**PASS**	**PASS**	**1**
91	**Benzo(a)pyrene**	**976.251**	**67193**	**2.37**	**PASS**	**PASS**	**PASS**	**1**
92	**Indeno(1,2,3-cd)pyrene**	**1010.009**	**87134**	**1.00**	**PASS**	**PASS**	**PASS**	**1**
93	**Dibenz(a,h)anthracene**	**1012.990**	**75175**	**1.30**	**PASS**	**PASS**	**PASS**	**1**
94	**Benzo(g,h,i)perylene**	**1031.814**	**78905**	**3.18**	**PASS**	**PASS**	**PASS**	**1**

*compounds in 2nd mix

** 1=RSD, 0=Linear regression, 3= Quadratic regression

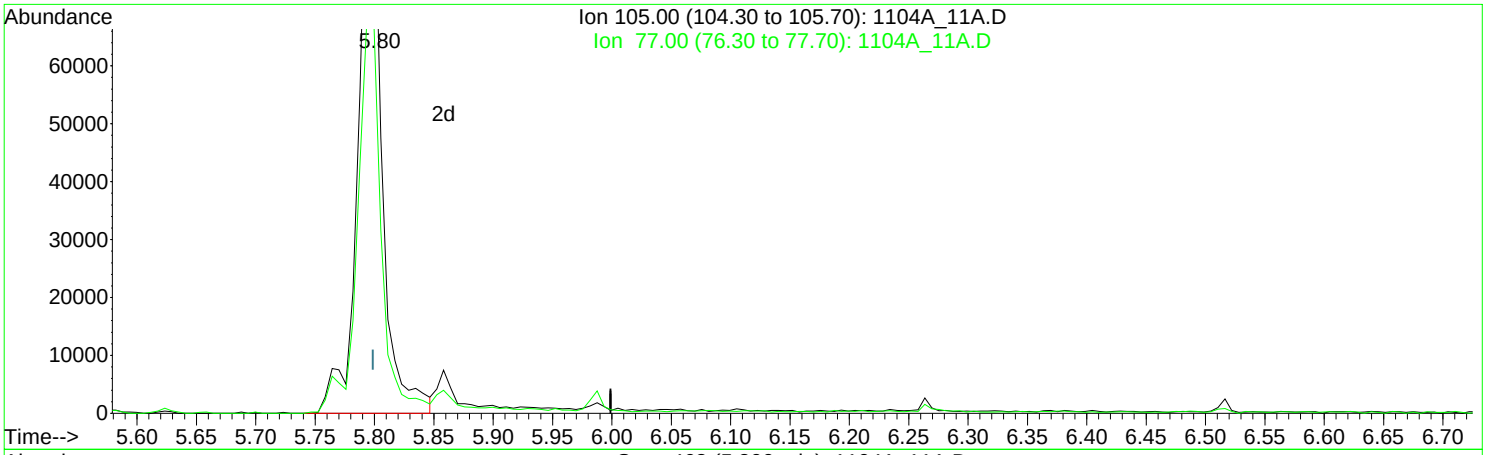
Bold highlighted compounds require 1000 ppb MRL

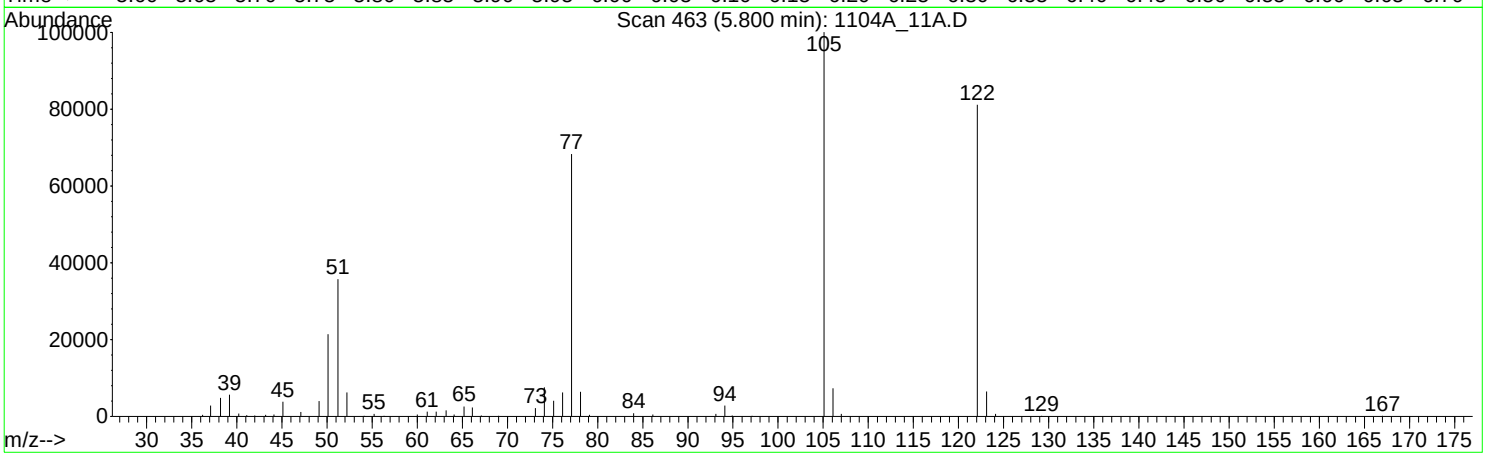
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11A.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:52 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Single Level Calibration





TIC: 1104A_11A.D

(30) Benzoic Acid (MT)
5.80min (+0.001) 8920.9014724 ppb
Qvalue = 93
response 136813

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	70.63
0.00	0.00	0.00
0.00	0.00	0.00

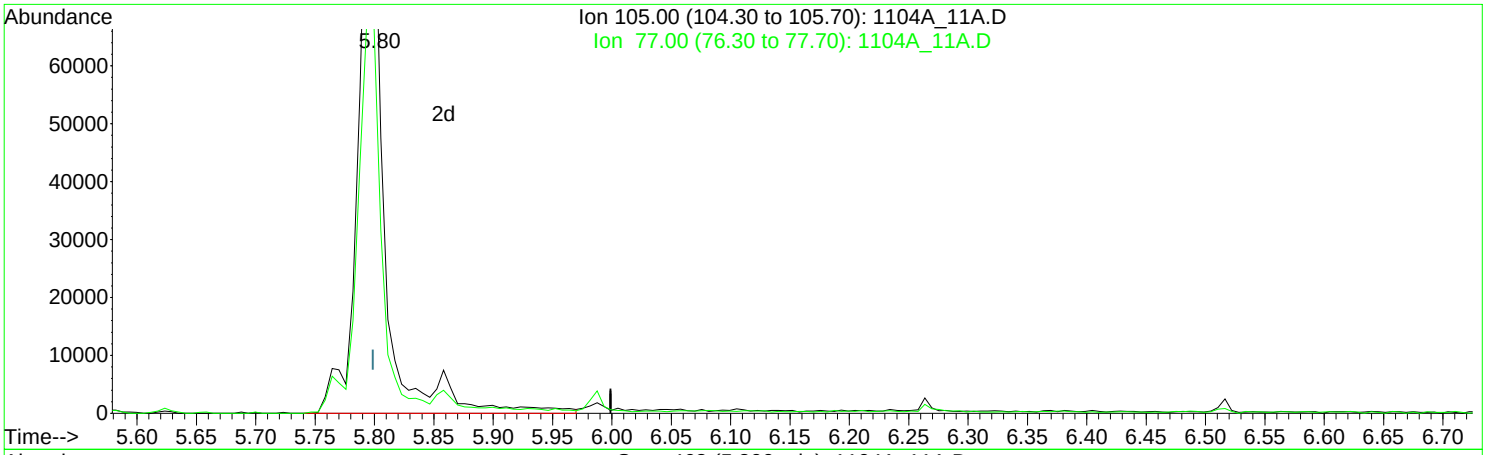
1104A_11A.D S810K04K.M Sat Nov 05 14:52:45 2011

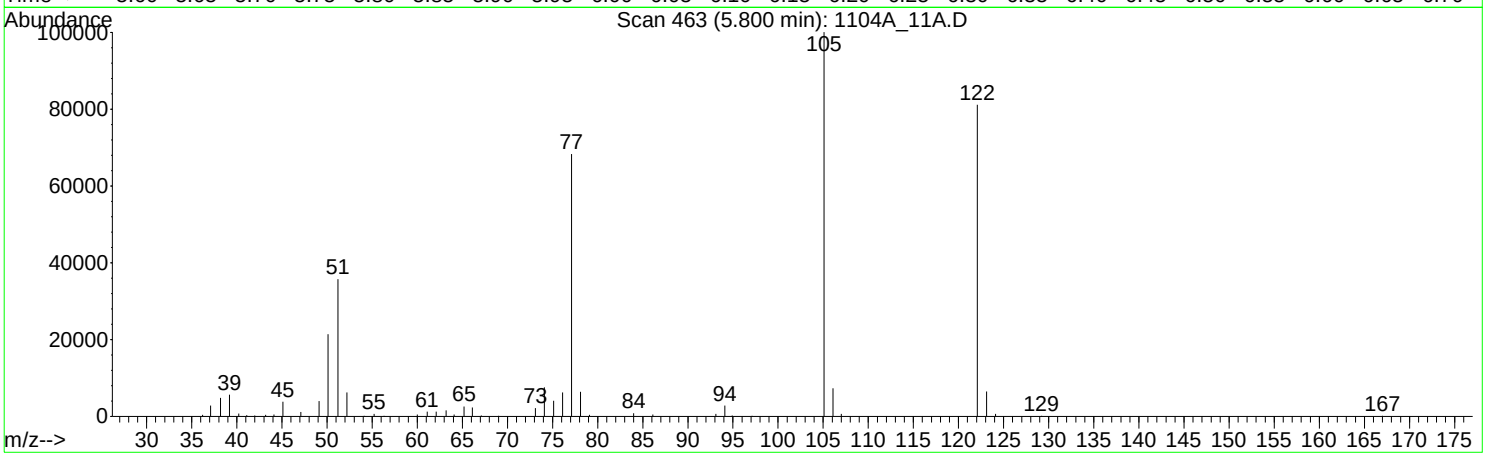
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11A.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:52 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Single Level Calibration





TIC: 1104A_11A.D

(30) Benzoic Acid (MT)
5.80min (+0.001) 9603.2969762 ppb m

response 149457

Ion	Exp%	Act%
105.00	100	100
77.00	64.80	64.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11A.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377
Sample : MRL TCL 10000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:52 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.24	152	206130	8000.00 ppb	0.00
22) Naphthalene-d8	5.99	136	781224	8000.00 ppb	0.00
40) Acenaphthene-d10	7.01	164	428053	8000.00 ppb	0.00
64) Phenanthrene-d10	7.89	188	664381	8000.00 ppb	0.00
78) Chrysene-d12	9.91	240	464122	8000.00 ppb	0.00
88) Perylene-d12	12.11	264	478658	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.45	112	54	1.5681647 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 7.84%#		
7) Phenol-d5	5.24	99	2216	61.7203662 ppb	0.25
Spiked Amount 20.000	Range 10 - 63		Recovery = 308.60%#		
23) Nitrobenzene-d5	5.62	82	5682	165.7649790 ppb	0.06
Spiked Amount 10.000	Range 17 - 119		Recovery = 1657.65%#		
44) 2-Fluorobiphenyl	6.59	172	55	0.8064752 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 8.06%#		
67) 2,4,6-Tribromophenol	7.47	330	119	16.5447867 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 82.72%		
Spiked Amount 10.000	Range 40 - 174		Recovery = 32.87%#		

Target Compounds

					Qvalue
2) Pyridine	3.83	79	63	1.7425444 ppb #	24
3) N-Nitrosodimethylamine	3.53	42	544	31.3247893 ppb #	23
5) Aniline	5.05	93	500	13.5727438 ppb #	63
6) bis(2-Chloroethyl)ether	5.05	93	802	18.9237832 ppb #	36
8) Phenol	5.01	94	1176	26.8050058 ppb #	1
9) Benzaldehyde	4.99	105	281851	10331.0871050 ppb	100
10) 2-Chlorophenol	5.12	128	117	3.2114020 ppb #	39
11) n-Decane	5.11	41	311	17.3586202 ppb #	34
12) 1,3-Dichlorobenzene	5.23	146	215	5.3051796 ppb #	1
13) 1,4-Dichlorobenzene	5.26	146	92	2.2796449 ppb #	1
14) Benzyl Alcohol	5.36	79	135	5.4529106 ppb #	19
15) 1,2-Dichlorobenzene	5.36	146	134	3.5062172 ppb #	29
16) bis(2-Chloroisopropyl)ethe	5.46	121	11523	945.4833993 ppb #	1
17) 2-Methylphenol	5.36	108	383	11.9582531 ppb #	60
18) Hexachloroethane	0.00	117	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11A.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:52 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.		
20)	3&4-Methyl phenol	5.46	107	4502	125.9119809 ppb	#	1
21)	Acetophenone	5.46	105	426284	9991.8372411 ppb		100
24)	Nitrobenzene	5.46	77	320282	10028.9366290 ppb	#	56
25)	Isophorone	5.62	82	5593	90.7872220 ppb	#	56
26)	2-Nitrophenol	5.76	139	118	6.6416991 ppb	#	73
27)	2,4-Dimethylphenol	5.76	107	378	13.3937638 ppb	#	1
28)	bis(2-Chlorethoxy)methane	5.80	93	793	20.3679333 ppb	#	1
29)	2,4-Dichlorophenol	5.90	162	315	11.4774229 ppb		87
30)	Benzoic Acid	5.80	105	149457m	9603.2969762 ppb		
31)	1,2,4-Trichlorobenzene	5.95	180	1271	36.8806627 ppb		90
32)	Naphthalene	6.00	128	464	4.5434386 ppb	#	48
33)	4-Chloroaniline	6.02	65	178	18.6061715 ppb	#	8
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.		
35)	Caprolactam	6.21	113	104737	10143.2470318 ppb		100
36)	4-Chloro-3-methylphenol	6.49	107	21447	780.6630681 ppb	#	18
37)	2-Methylnaphthalene	6.40	142	254	3.9997844 ppb	#	76
38)	1-Methylnaphthalene	6.46	142	175	2.7172589 ppb	#	59
39)	1,2,4,5-Tetrachlorobenzene	6.49	216	298815	10428.8088899 ppb		100
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.		
42)	2,4,6-Trichlorophenol	6.55	196	282	14.9680462 ppb	#	76
43)	2,4,5-Trichlorophenol	6.58	196	252	13.0329373 ppb	#	59
45)	Biphenyl	6.66	154	426	5.3971119 ppb	#	70
46)	2-Chloronaphthalene	6.69	162	160	2.6195281 ppb		79
47)	2-Nitroaniline	0.00	138	0	N.D.		
48)	Acenaphthylene	6.93	152	394	4.2767461 ppb		62
49)	Dimethyl phthalate	6.80	163	289	4.2252880 ppb	#	57
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.		
51)	3-Nitroaniline	6.97	138	73	8.1439309 ppb	#	70
52)	Acenaphthene	0.00	153	0	N.D.		
53)	2,4-Dinitrophenol	0.00	184	0	N.D.		
54)	Dibenzofuran	7.19	168	33708	407.9371176 ppb	#	51
55)	2,4-Dinitrotoluene	7.10	165	67	3.3786285 ppb	#	36
56)	2,3,4,6-Tetrachlorophenol	7.19	232	115681	9650.9684913 ppb		100
57)	4-Nitrophenol	7.07	139	119	11.3477831 ppb	#	19
58)	Fluorene	0.00	166	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11A.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377
Sample : MRL TCL 10000 ppb 11G20059 Inst : BNAMS10
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:52 2011 Quant Results File: S810K04K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration
DataAcq Meth : MS10BKB

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	4-Chlorophenyl-phenylether	7.30	204	259	7.8562811 ppb	#	58
60)	Diethyl phthalate	7.21	149	460	6.9686147 ppb		80
61)	4-Nitroaniline	7.33	138	162	Below Cal	#	56
62)	Azobenzene	7.40	77	568	9.0589574 ppb	#	16
63)	Atrazine	7.66	200	194643	10156.3423649 ppb		100
65)	4,6-Dinitro-2-methylphenol	7.19	198	5764	746.0251412 ppb	#	30
66)	N-Nitrosodiphenylamine	7.37	169	400	7.7620234 ppb		81
68)	4-Bromophenyl-phenylether	7.60	248	70	3.8786615 ppb	#	71
69)	Hexachlorobenzene	0.00	284	0	N.D.		
70)	n-octadecane	7.66	55	17720	1605.1561173 ppb	#	58
71)	Pentachlorophenol	7.76	266	6912	1096.9118433 ppb		98
72)	Phenanthrene	7.93	178	647	7.1288582 ppb		69
73)	Anthracene	7.93	178	647	7.4876586 ppb		80
74)	Carbazole	8.28	167	182067	2538.0606090 ppb		79
75)	Di-n-butyl phthalate	8.15	149	614	5.6387165 ppb		79
76)	2-nitrodiphenylamine	8.28	167	183531	10104.9148049 ppb		100
77)	Fluoranthene	8.63	202	396	4.3279676 ppb	#	56
79)	Benzidine	8.68	184	365576	10056.8264552 ppb		100
80)	Pyrene	8.80	202	362	3.8893977 ppb	#	59
82)	Benzylbutyl phthalate	9.22	149	178	3.9763898 ppb	#	32
83)	3,3-Dichlorobenzidine	9.82	252	160876	10021.7416105 ppb		100
84)	Benzo(a)anthracene	9.91	228	1483	22.1211155 ppb	#	1
85)	Chrysene	9.94	228	317	5.0815870 ppb	#	54
86)	bis(2-Ethylhexyl)phthalate	9.78	149	1845	27.4725145 ppb	#	1
87)	Di-n-octyl phthalate	10.66	149	232	2.2193288 ppb		74
89)	Benzo(b)fluoranthene	11.43	252	347	5.2540255 ppb		63
90)	Benzo(k)fluoranthene	11.48	252	238	3.9897781 ppb	#	56
91)	Benzo(a)pyrene	12.01	252	75	1.2307326 ppb	#	58
92)	Indeno(1,2,3-cd)pyrene	13.80	276	142	1.8590504 ppb	#	25
94)	Benzo(g,h,i)perylene	14.31	276	115	1.6984776 ppb	#	44

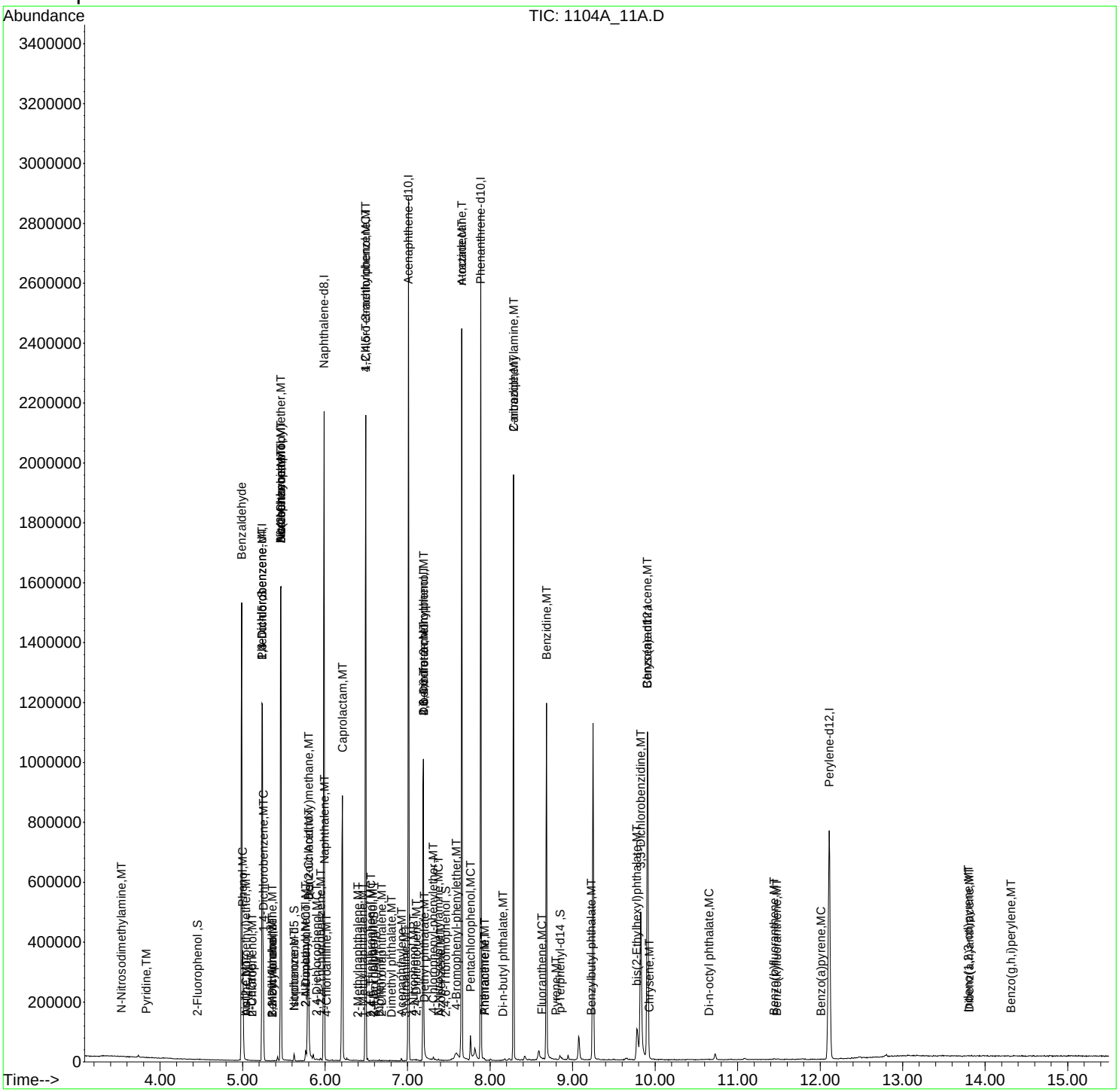
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110411A\1104A_11A.D Vial: 10
Acq On : 4 Nov 2011 10:24 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 14:52 2011 Quant Results File: S810K04K.RES

Method : C:\MSDCHEM\1\METHODS\S810K04K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Sat Nov 05 14:44:28 2011
Response via : Initial Calibration



MRL CALIBRATION REPORT

Sample Name MRL TCL 10000 ppb 11G20059
Data File Name 1104A_11A.D
Acquired 11/4/2011 22:24

level **10000** ppb

	Name	amount	area	%diff	30% Linear	40% MN	50% 8270D	Fit**
1	1,4-Dichlorobenzene-d4	8000.000	206130					
2	Pyridine	1.743	63	99.98	FAIL	FAIL	FAIL	1
3	N-Nitrosodimethylamine	31.325	544	99.69	FAIL	FAIL	FAIL	1
4	2-Fluorophenol	1.568	54	99.98	FAIL	FAIL	FAIL	1
5	Aniline	13.573	500	99.86	FAIL	FAIL	FAIL	1
6	bis(2-Chloroethyl)ether	18.924	802	99.81	FAIL	FAIL	FAIL	1
7	Phenol-d5	61.720	2216	99.38	FAIL	FAIL	FAIL	1
8	Phenol	26.805	1176	99.73	FAIL	FAIL	FAIL	1
9	Benzaldehyde	10331.087	281851	3.31	PASS*	PASS*	PASS*	1
10	2-Chlorophenol	3.211	117	99.97	FAIL	FAIL	FAIL	1
11	n-Decane	17.359	311	99.83	FAIL	FAIL	FAIL	1
12	1,3-Dichlorobenzene	5.305	215	99.95	FAIL	FAIL	FAIL	1
13	1,4-Dichlorobenzene	2.280	92	99.98	FAIL	FAIL	FAIL	1
14	Benzyl Alcohol	5.453	135	99.95	FAIL	FAIL	FAIL	1
15	1,2-Dichlorobenzene	3.506	134	99.96	FAIL	FAIL	FAIL	1
16	bis(2-Chloroisopropyl)ether	945.483	11523	90.55	FAIL	FAIL	FAIL	1
17	2-Methylphenol	11.958	383	99.88	FAIL	FAIL	FAIL	1
18	Hexachloroethane	0.000	0	100.00	FAIL	FAIL	FAIL	1
19	N-Nitrosodi-n-propylamine	0.000	0	100.00	FAIL	FAIL	FAIL	1
20	3&4-Methyl phenol	125.912	4502	98.74	FAIL	FAIL	FAIL	1
21	Acetophenone	9991.837	426284	0.08	PASS*	PASS*	PASS*	1
22	Naphthalene-d8	8000.000	781224	20.00				
23	Nitrobenzene-d5	165.765	5682	98.34	FAIL	FAIL	FAIL	1
24	Nitrobenzene	10028.937	320282	0.29	PASS	PASS	PASS	1
25	Isophorone	90.787	5593	99.09	FAIL	FAIL	FAIL	1
26	2-Nitrophenol	6.642	118	99.93	FAIL	FAIL	FAIL	1
27	2,4-Dimethylphenol	13.394	378	99.87	FAIL	FAIL	FAIL	1
28	bis(2-Chlorethoxy)methane	20.368	793	99.80	FAIL	FAIL	FAIL	1
29	2,4-Dichlorophenol	11.477	315	99.89	FAIL	FAIL	FAIL	1
30	Benzoic Acid	9603.297	149457	3.97	PASS*	PASS*	PASS*	3
31	1,2,4-Trichlorobenzene	36.881	1271	99.63	FAIL	FAIL	FAIL	1
32	**Naphthalene**	**4.543**	**464**	**99.95**	**FAIL**	**FAIL**	**FAIL**	**1**
33	4-Chloroaniline	18.606	178	99.81	FAIL	FAIL	FAIL	1
34	Hexachloro-1,3-butadiene	0.000	0	100.00	FAIL	FAIL	FAIL	1
35	Caprolactam	10143.247	104737	1.43	PASS*	PASS*	PASS*	1
36	4-Chloro-3-methylphenol	780.663	21447	92.19	FAIL	FAIL	FAIL	1
37	**2-Methylnaphthalene**	**4.000**	**254**	**99.96**	**FAIL**	**FAIL**	**FAIL**	**1**
38	**1-Methylnaphthalene**	**2.717**	**175**	**99.97**	**FAIL**	**FAIL**	**FAIL**	**1**
39	1,2,4,5-Tetrachlorobenzene	10428.809	298815	4.29	PASS*	PASS*	PASS*	1
40	Acenaphthene-d10	8000.000	428053	20.00				
41	Hexachlorocyclopentadiene	0.000	0	100.00	FAIL	FAIL	FAIL	1
42	2,4,6-Trichlorophenol	14.968	282	99.85	FAIL	FAIL	FAIL	1
43	2,4,5-Trichlorophenol	13.033	252	99.87	FAIL	FAIL	FAIL	1
44	2-Fluorobiphenyl	0.806	55	99.99	FAIL	FAIL	FAIL	1

45	Biphenyl	5.397	426	99.95	FAIL	FAIL	FAIL	1
46	2-Chloronaphthalene	2.620	160	99.97	FAIL	FAIL	FAIL	1
47	2-Nitroaniline	0.000	0	100.00	FAIL	FAIL	FAIL	1
48	**Acenaphthylene**	**4.277**	**394**	**99.96**	**FAIL**	**FAIL**	**FAIL**	**1**
49	**Dimethyl phthalate**	**4.225**	**289**	**99.96**	**FAIL**	**FAIL**	**FAIL**	**1**
50	2,6-Dinitrotoluene	0.000	0	100.00	FAIL	FAIL	FAIL	1
51	3-Nitroaniline	8.144	73	99.92	FAIL	FAIL	FAIL	1
52	**Acenaphthene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
53	2,4-Dinitrophenol	0.000	0	100.00	FAIL	FAIL	FAIL	0
54	Dibenzofuran	407.937	33708	95.92	FAIL	FAIL	FAIL	1
55	2,4-Dinitrotoluene	3.379	67	99.97	FAIL	FAIL	FAIL	1
56	2,3,4,6-Tetrachlorophenol	9650.968	115681	3.49	PASS*	PASS*	PASS*	1
57	4-Nitrophenol	11.348	119	99.89	FAIL	FAIL	FAIL	1
58	**Fluorene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
59	4-Chlorophenyl-phenylether	7.856	259	99.92	FAIL	FAIL	FAIL	1
60	**Diethyl phthalate**	**6.969**	**460**	**99.93**	**FAIL**	**FAIL**	**FAIL**	**1**
61	4-Nitroaniline	-4648.372	162	146.48	FAIL	FAIL	FAIL	0
62	Azobenzene	9.059	568	99.91	FAIL	FAIL	FAIL	1
63	Atrazine	10156.342	194643	1.56	PASS*	PASS*	PASS*	1
64	Phenanthrene-d10	8000.000	664381	20.00				
65	4,6-Dinitro-2-methylphenol	746.025	5764	92.54	FAIL	FAIL	FAIL	1
66	N-Nitrosodiphenylamine	7.762	400	99.92	FAIL	FAIL	FAIL	1
67	2,4,6-Tribromophenol	16.545	119	99.83	FAIL	FAIL	FAIL	1
68	4-Bromophenyl-phenylether	3.879	70	99.96	FAIL	FAIL	FAIL	1
69	**Hexachlorobenzene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
70	n-octadecane	1605.156	17720	83.95	FAIL	FAIL	FAIL	1
71	Pentachlorophenol	1096.912	6912	89.03	FAIL	FAIL	FAIL	0
72	**Phenanthrene**	**7.129**	**647**	**99.93**	**FAIL**	**FAIL**	**FAIL**	**1**
73	**Anthracene**	**7.488**	**647**	**99.93**	**FAIL**	**FAIL**	**FAIL**	**1**
74	Carbazole	2538.061	182067	74.62	FAIL	FAIL	FAIL	1
75	**Di-n-butyl phthalate**	**5.639**	**614**	**99.94**	**FAIL**	**FAIL**	**FAIL**	**1**
76	2-nitrodiphenylamine	10104.915	183531	1.05	PASS*	PASS*	PASS*	1
77	**Fluoranthene**	**4.328**	**396**	**99.96**	**FAIL**	**FAIL**	**FAIL**	**1**
78	Benzidine	10056.826	365576	0.57	PASS*	PASS*	PASS*	1
79	Chrysene-d12	8000.000	464122	20.00				
80	**Pyrene**	**3.889**	**362**	**99.96**	**FAIL**	**FAIL**	**FAIL**	**1**
81	p-Terphenyl-d14	3.287	214	99.97	FAIL	FAIL	FAIL	1
82	**Benzylbutyl phthalate**	**3.976**	**178**	**99.96**	**FAIL**	**FAIL**	**FAIL**	**1**
83	3,3-Dichlorobenzidine	10021.742	160876	0.22	PASS*	PASS*	PASS*	1
84	**Benzo(a)anthracene**	**22.121**	**1483**	**99.78**	**FAIL**	**FAIL**	**FAIL**	**1**
85	**Chrysene**	**5.082**	**317**	**99.95**	**FAIL**	**FAIL**	**FAIL**	**1**
86	**bis(2-Ethylhexyl)phthalate**	**27.473**	**1845**	**99.73**	**FAIL**	**FAIL**	**FAIL**	**1**
87	**Di-n-octyl phthalate**	**2.219**	**232**	**99.98**	**FAIL**	**FAIL**	**FAIL**	**1**
88	Perylene-d12	8000.000	478658	20.00				
89	**Benzo(b)fluoranthene**	**5.254**	**347**	**99.95**	**FAIL**	**FAIL**	**FAIL**	**1**
90	**Benzo(k)fluoranthene**	**3.990**	**238**	**99.96**	**FAIL**	**FAIL**	**FAIL**	**1**
91	**Benzo(a)pyrene**	**1.231**	**75**	**99.99**	**FAIL**	**FAIL**	**FAIL**	**1**
92	**Indeno(1,2,3-cd)pyrene**	**1.859**	**142**	**99.98**	**FAIL**	**FAIL**	**FAIL**	**1**
93	**Dibenz(a,h)anthracene**	**2.724**	**179**	**99.97**	**FAIL**	**FAIL**	**FAIL**	**1**
94	**Benzo(g,h,i)perylene**	**1.698**	**115**	**99.98**	**FAIL**	**FAIL**	**FAIL**	**1**

*compounds in 2nd mix

** 1=RSD, 0=Linear regression, 3= Quadratic regression

Bold highlighted compounds require 1000 ppb MRL

Injection Log

Directory: C:\MSDCHEM\1\DATA\110511

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1105_01.d	1.	TUNE 50 ppm	dftpp	5 Nov 2011 11:24
2	2	1105_02.d	1.	STD SVMS 10000 ppb 11G20058	8270 calibration	5 Nov 2011 12:11
3	2	1105_02a.d	1.	MRL SVMS 10000 ppb 11G20058	8270 calibration	5 Nov 2011 12:11
4	3	1105_03.d	1.	STD SVMS 200 ppb 11G20058	8270 calibration	5 Nov 2011 12:31
5	4	1105_04.d	1.	STD SVMS 1000 ppb 11G20058	8270 calibration	5 Nov 2011 12:51
6	4	1105_04a.d	1.	MRL SVMS 1000 ppb 11G20058	8270 calibration	5 Nov 2011 12:51
7	5	1105_05.d	1.	STD SVMS 5000 ppb 11G20058	8270 calibration	5 Nov 2011 13:11
8	6	1105_06.d	1.	STD SVMS 20000 ppb 11G20058	8270 calibration	5 Nov 2011 13:31
9	7	1105_07.d	1.	STD SVMS 30000 ppb 11G20058	8270 calibration	5 Nov 2011 13:51
10	8	1105_08.d	1.	STD SVMS 40000 ppb 11G20058	8270 calibration	5 Nov 2011 14:11
11	9	1105_09.d	1.	STD SVMS 50000 ppb 11G20058	8270 calibration	5 Nov 2011 14:30
12	10	1105_10.d	1.	STD TCL 10000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 14:50
13	10	1105_10a.d	1.	MRL TCL 10000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 14:50
14	11	1105_11.d	1.	STD TCL 1000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 15:10
15	12	1105_12.d	1.	STD TCL 5000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 15:30
16	13	1105_13.d	1.	STD TCL 20000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 15:50
17	14	1105_14.d	1.	STD TCL 30000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 16:09
18	15	1105_15.d	1.	STD TCL 40000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 16:29
19	16	1105_16.d	1.	STD TCL 50000 ppb 11G20059	8270 TCL calibration	5 Nov 2011 16:49
20	17	1105_17.d	1.	SSCV SVMS 10000 ppb 11G20057	8270 calibration	5 Nov 2011 17:09
21		1105_18.d	0.03333	No MS or GC data present		

GC/MS QA-QC Check Report

Tune File : C:\MSDCHEM\1\DATA\110511\1105_01.D
Tune Time : 5 Nov 2011 11:24 am

Daily Calibration File : C:\MSDCHEM\1\DATA\110511\1105_02.D

		(2FP)(PHL)(NBZ)(FBP)				(DCB)	(NPT)	(ANT)		
						72766	283169	154192		
		(TBP)(TPH)				(PHN)	(CRY)	(PRY)		
						241922	221195	229338		
File	Sample	Surrogate Recovery %				Internal Standard Responses				
1105_02.D	STD SVMS	50000*	50000*	100000*	100000*	72766	283169	154		
		50000*	100000*			241922	221195	229338		
1105_02A.D	STD SVMS	50000*	50000*	100000*	100000*	72766	283169	154		
		50000*	100000*			241922	221195	229338		
1105_03.D	STD SVMS	861*	870*	1671*	1793*	80751	317700	177469		
		644*	1784*			263774	245086	250663		
1105_04.D	STD SVMS	4824*	5303*	10137*	10174*	70038	266010	150183		
		4822*	10501*			222957	207116	218901		
1105_04A.D	STD SVMS	4824*	5303*	10137*	10174*	70038	266010	150183		
		4822*	10501*			222957	207116	218901		
1105_05.D	STD SVMS	25262*	26244*	50573*	51427*	71908	284046	15196		
		25314*	53313*			239243	217787	227530		
1105_06.D	STD SVMS	103223*	107779*	202608*	201189*	73092	293523	1		
		107514*	211310*			256579	228379	227705		
1105_07.D	STD SVMS	155130*	156693*	305864*	285861*	74889	288287	1		
		154524*	309115*			270945	233916	233310		
1105_08.D	STD SVMS	207395*	214628*	396576*	378172*	67796	276073	1		
		215273*	419281*			245581	219457	218940		
1105_09.D	STD SVMS	258668*	260927*	498178*	462444*	69412	273333	1		
		267022*	514119*			248209	221448	223526		
1105_10.D	STD TCL	0*	426*	1618*	0*	75616	291891	161077		
		0*	0*			262344	234993	241275		
1105_10A.D	STD TCL	0*	426*	1618*	0*	75616	291891	161077		
		0*	0*			262344	234993	241275		
1105_11.D	STD TCL	0*	439*	97	0*	78470	296000	164799		
		0*	0*			244410	230184	233147		
1105_12.D	STD TCL	0*	454*	682*	0*	71769	279580	148040		
		0*	0*			227347	210449	209150		
1105_13.D	STD TCL	0*	430*	2969*	0*	72929	288456	162056		

```
                        0*   0*                243992     222087     224616
-----------------------------------------------------------------------------
1105_14.D  STD TCL      0* 436* 4674*   0*       71298     273968     155770
                        0*   0*                234619     218793     221934
-----------------------------------------------------------------------------
1105_15.D  STD TCL      0* 473* 6462*   0*       74329     286875     160551
                        0*   0*                248360     225184     228882
-----------------------------------------------------------------------------
1105_16.D  STD TCL      0* 451* 8127*   0*       69057     262010     145369
                        0*   0*                226300     205006     214149
-----------------------------------------------------------------------------
1105_17.D  SSCV SVM     0* 646* 9963*  68        73411     277214     156994
                      233*   0*                245398     213406     212336
-----------------------------------------------------------------------------
    t - fails 12hr time check   * - fails criteria

    Created: Mon Nov 07 16:23:19 2011  BNAMS11
```

Mint Miner 2.03 (80118) Directory Scan: y:\110511

8 Nov 2011 13:33

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\110511\1105_01.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_01.D					
0	Scanned		377	BNAMS11	TUNE 50 ppm (dftpp)
Scan File Path: y:\110511\1105_02.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_02.D					
81	Scanned	M(14), D(24), MC(1), MT(5), MR(3)	377	BNAMS11	STD SVMS 10000 ppb 11G20058 (8270 calib
Scan File Path: y:\110511\1105_02a.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_02.D					
22	Scanned	M(6), D(8), MC(1), MT(1)	377	BNAMS11	STD SVMS 10000 ppb 11G20058 (8270 calib
Scan File Path: y:\110511\1105_03.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_03.D					
8	Scanned	D(4), M(4)	377	BNAMS11	STD SVMS 200 ppb 11G20058 (8270 calibr
Scan File Path: y:\110511\1105_04.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_04.D					
16	Scanned	D(7), MR(1), M(4)	377	BNAMS11	STD SVMS 1000 ppb 11G20058 (8270 calib
Scan File Path: y:\110511\1105_04a.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_04A.D					
15	Scanned	M(5), MR(1), MT(1)	377	BNAMS11	STD SVMS 1000 ppb 11G20058 (8270 calib
Scan File Path: y:\110511\1105_05.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_05.D					
40	Scanned	MR(4), M(6), D(9), MT(1)	377	BNAMS11	STD SVMS 5000 ppb 11G20058 (8270 calib
Scan File Path: y:\110511\1105_06.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_06.D					
37	Scanned	MR(4), M(8), D(9)	377	BNAMS11	STD SVMS 20000 ppb 11G20058 (8270 calib
Scan File Path: y:\110511\1105_07.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_07.D					
36	Scanned	D(8), MR(4), M(8)	377	BNAMS11	STD SVMS 30000 ppb 11G20058 (8270 calib
Scan File Path: y:\110511\1105_08.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_08.D					
42	Scanned	MR(5), M(8), D(9)	377	BNAMS11	STD SVMS 40000 ppb 11G20058 (8270 calib
Scan File Path: y:\110511\1105_09.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_09.D					
30	Scanned	M(6), D(9), MR(3)	377	BNAMS11	STD SVMS 50000 ppb 11G20058 (8270 calib

Level	Status	Code	Operator	Instrument	Sample ID
Scan File Path: y:\110511\1105_10.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_10.D					
254	Scanned	D(127), DS(6), DC(18), DK(18), DP(3), DB(15), M(2), MT(1)	377	BNAMS11	STD TCL 10000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110511\1105_10a.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_10.D					
89	Scanned	D(43), DS(2), DC(6), DK(6), DP(1), DB(5), MR(1), M(1)	377	BNAMS11	STD TCL 10000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110511\1105_11.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_11.D					
120	Scanned	D(65), DS(2), DC(10), DK(10), DP(2), DB(6), M(1)	377	BNAMS11	STD TCL 1000 ppb 11G20059 (8270 TCL cal
Scan File Path: y:\110511\1105_12.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_12.D					
123	Scanned	D(67), DS(2), DC(11), DK(10), DP(2), DB(6), M(1)	377	BNAMS11	STD TCL 5000 ppb 11G20059 (8270 TCL cal
Scan File Path: y:\110511\1105_13.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_13.D					
115	Scanned	D(61), DS(2), DC(9), DK(10), DP(2), DB(6), M(1)	377	BNAMS11	STD TCL 20000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110511\1105_14.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_14.D					
115	Scanned	D(61), DS(2), DC(10), DK(9), DP(2), DB(6), M(1)	377	BNAMS11	STD TCL 30000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110511\1105_15.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_15.D					
110	Scanned	D(57), DS(2), DC(9), DK(9), DP(2), DB(6), M(1)	377	BNAMS11	STD TCL 40000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110511\1105_16.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_16.D					
112	Scanned	D(58), DS(2), DC(10), DK(9), DP(2), DB(6), M(1)	377	BNAMS11	STD TCL 50000 ppb 11G20059 (8270 TCL ca
Scan File Path: y:\110511\1105_17.D					
Original Path: C:\MSDCHEM\1\DATA\110511\1105_17.D					
1	Scanned	M(1)	377	BNAMS11	SSCV SVMS 10000 ppb 11G20057 (8270 cal
Scan File Path: y:\110511\1105_18.D					
Original Path: y:\110511\1105_18.D					
0	No Audit				

Level	Status	Code	Operator	Instrument	Sample ID

D	=	Deletion of any analyte	DB	=	Deletion of a common contaminant
DC	=	Deletion of a CCC	DK	=	Deletion of a spike compound
DP	=	Deletion of an SPCC	DS	=	Deletion of a surrogate
M	=	Manual integration (non-specific)	MC	=	Manual integration of a CCC
MR	=	Manual integration with before/after ratio <10%	MT	=	Multiple manual integrations of the same analyte >10 minutes apart

ScanSummary.rpt

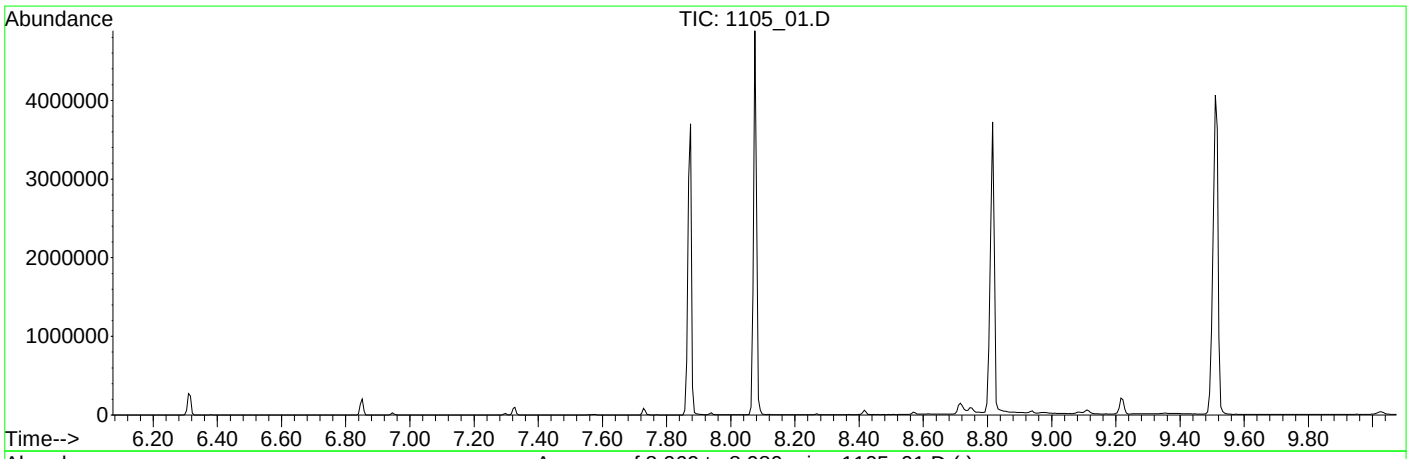
Total Files Scanned	Beginning Analyzed Date
Methods	Ending Analyzed Date
Samples	Analyzed Range
Tunes	Greatest Time Between Tunes
CCCs	Greatest Time Between CCCs

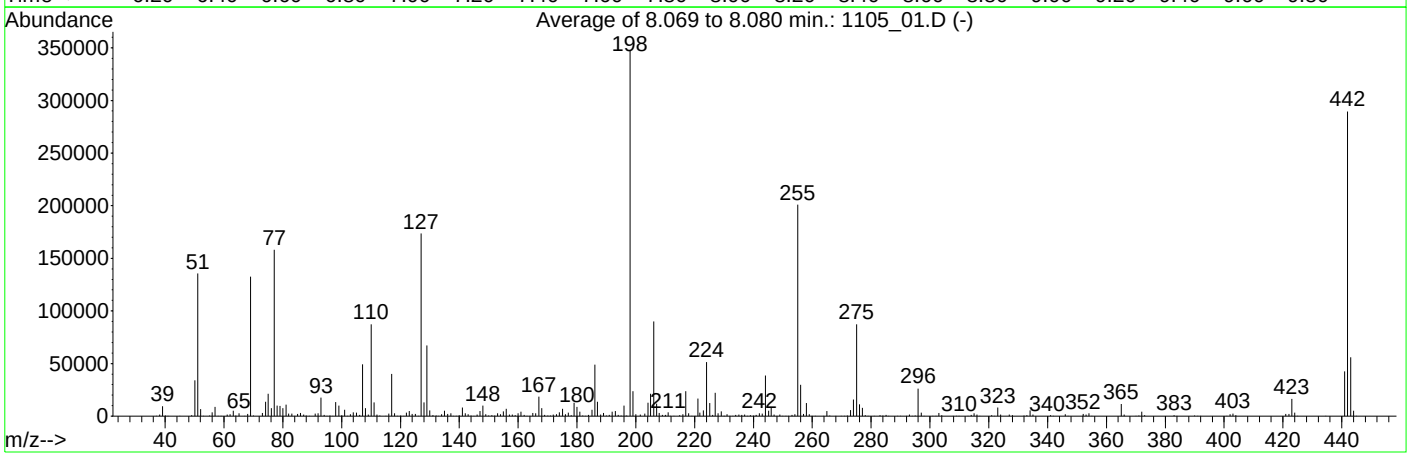
Distinct Method Last Updated count
Operators Intruments

DFTPP

Data File : C:\MSDCHEM\1\DATA\110511\1105_01.D Vial: 1
Acq On : 5 Nov 2011 11:24 am Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11

MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA





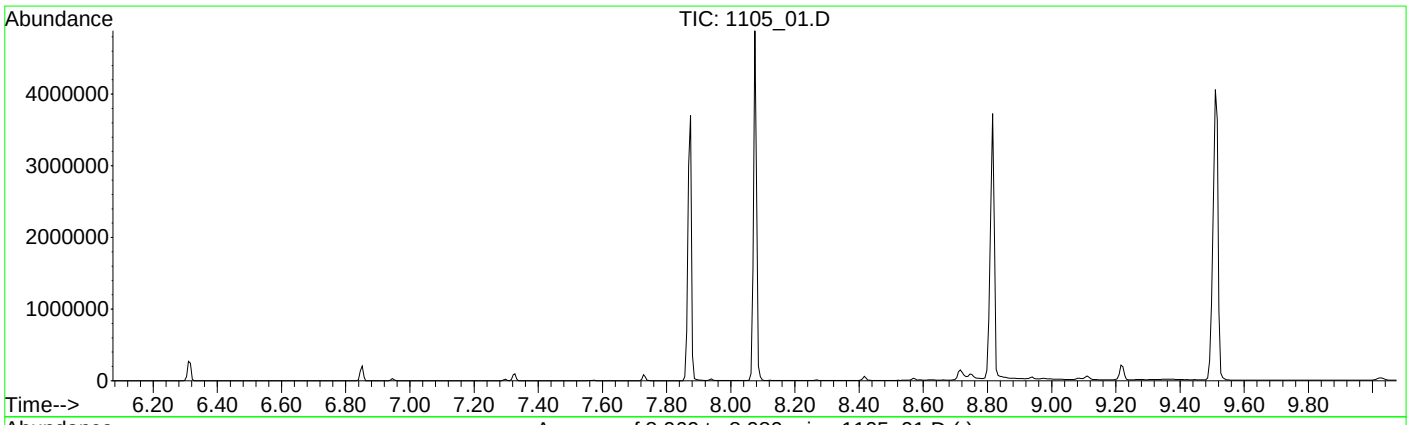
AutoFind: Scans 950, 951, 952; Background Corrected with Scan 945

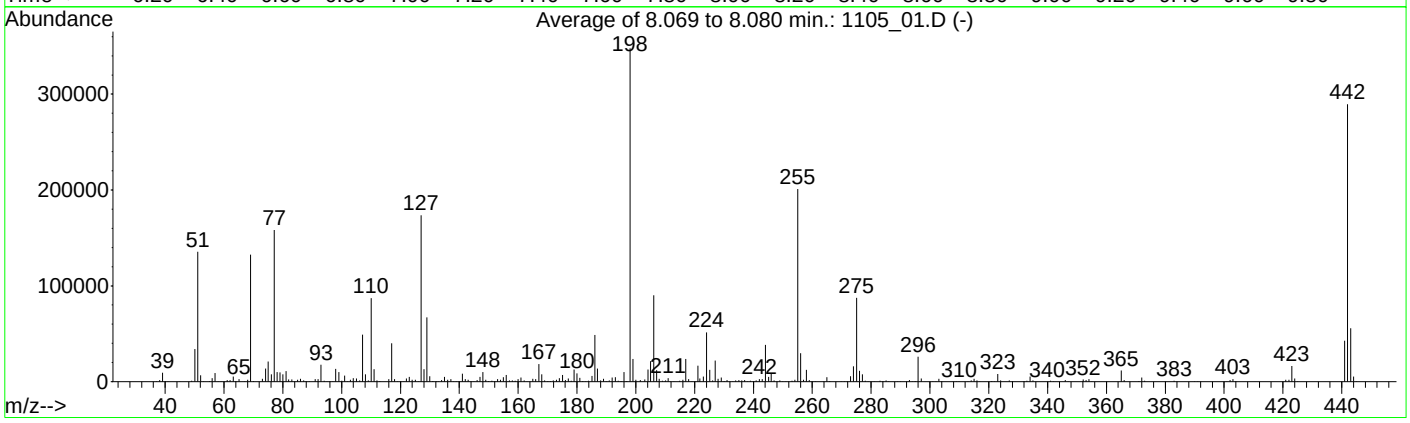
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.0	135589	PASS
68	69	0.00	2	1.6	2076	PASS
70	69	0.00	2	0.5	660	PASS
127	198	10	80	49.9	173653	PASS
197	198	0.00	2	0.2	681	PASS
198	198	50	100	100.0	347861	PASS
199	198	5	9	6.8	23731	PASS
275	198	10	60	25.1	87365	PASS
365	198	1	100	3.3	11557	PASS
441	442	0.01	24	14.7	42692	PASS
442	198	50	100	83.3	289645	PASS
443	442	15	24	19.3	55926	PASS

DFTPP

Data File : C:\MSDCHEM\1\DATA\110511\1105_01.D Vial: 1
Acq On : 5 Nov 2011 11:24 am Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11

MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\TUNEC.M (RTE Integrator)
Title : 8270 BNA





AutoFind: Scans 950, 951, 952; Background Corrected with Scan 945

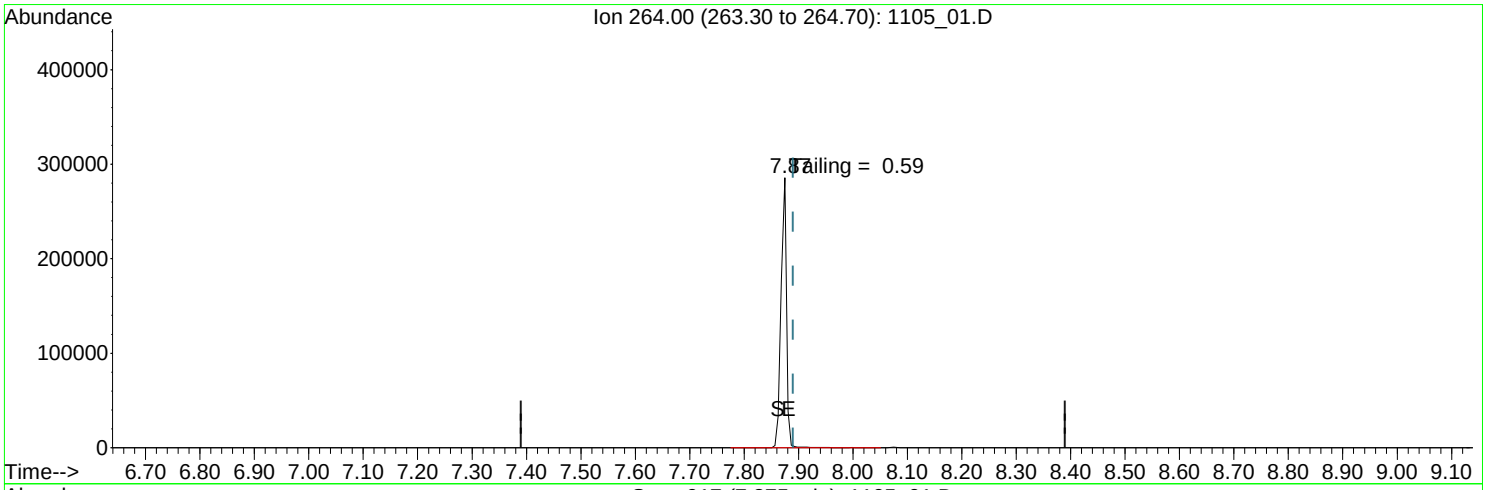
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.0	135589	PASS
68	69	0.00	2	1.6	2076	PASS
69	198	0.00	100	38.1	132624	PASS
70	69	0.00	2	0.5	660	PASS
127	198	40	60	49.9	173653	PASS
197	198	0.00	1	0.2	681	PASS
198	198	100	100	100.0	347861	PASS
199	198	5	9	6.8	23731	PASS
275	198	10	30	25.1	87365	PASS
365	198	1	100	3.3	11557	PASS
441	443	0.01	100	76.3	42692	PASS
442	198	40	100	83.3	289645	PASS
443	442	17	23	19.3	55926	PASS

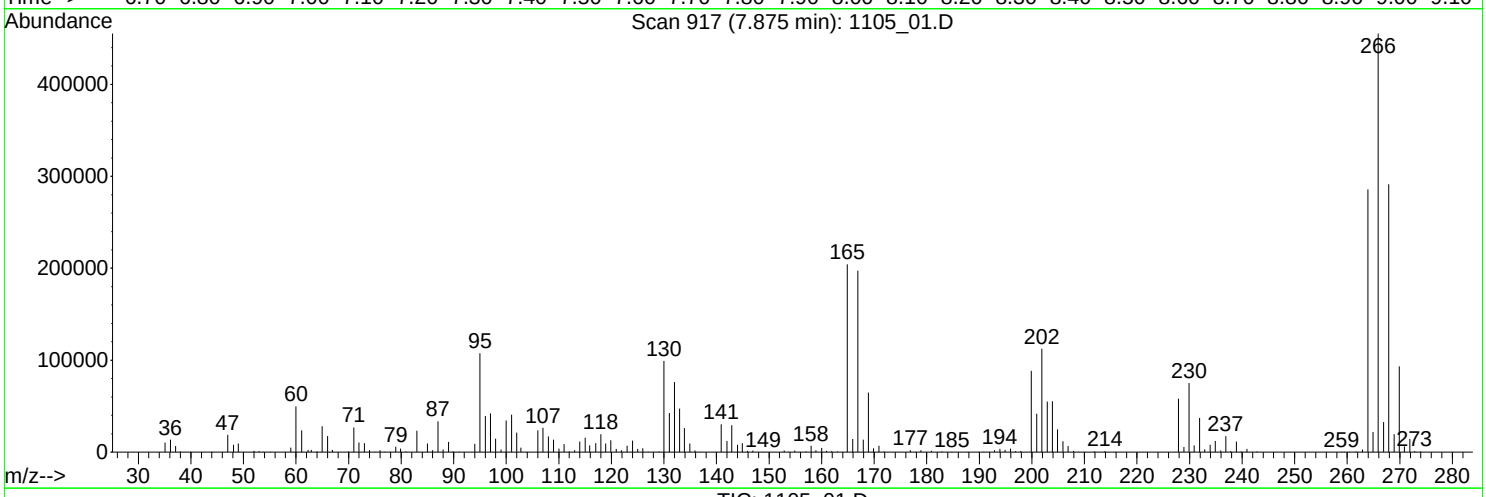
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_01.D Vial: 1
Acq On : 5 Nov 2011 11:24 am Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:31 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA
Last Update : Wed Nov 02 18:22:40 2011
Response via : Single Level Calibration





TIC: 1105_01.D

(1) Pentachlorophenol (TM)

7.87min (-0.015) 32.9180976 ug/mL

Qvalue = 100

response 192085

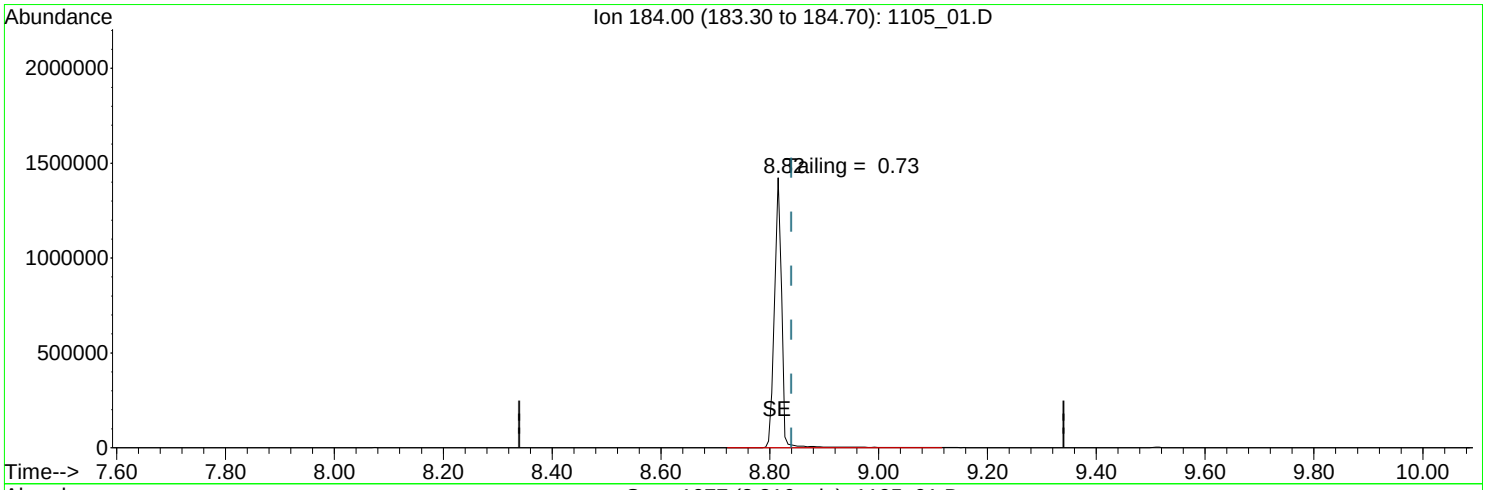
Ion	Exp%	Act%
264.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

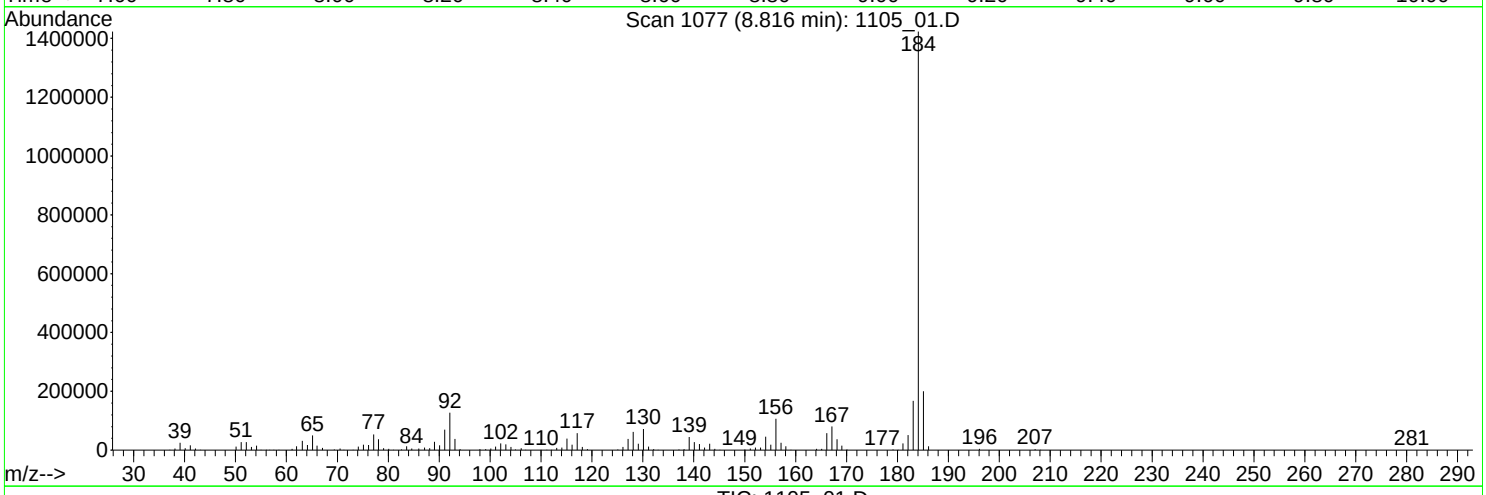
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_01.D Vial: 1
Acq On : 5 Nov 2011 11:24 am Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:31 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA
Last Update : Wed Nov 02 18:22:40 2011
Response via : Single Level Calibration





TIC: 1105_01.D

(3) Benzidine (MT)

8.82min (-0.024) 53.0409589 ug/mL

Qvalue = 100

response 1273070

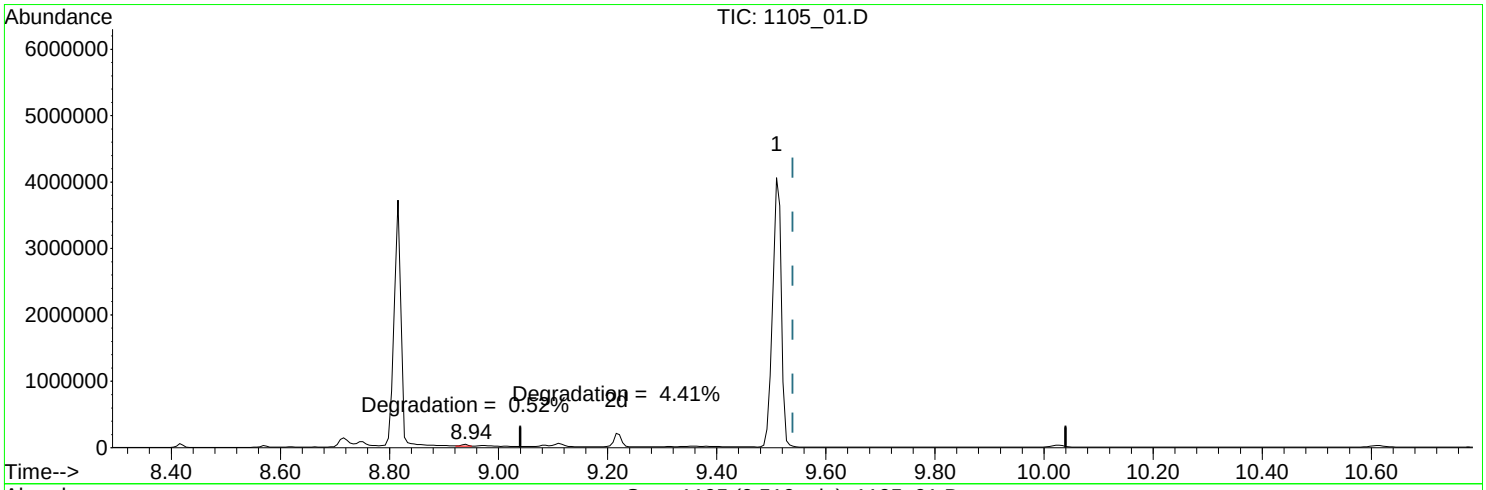
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

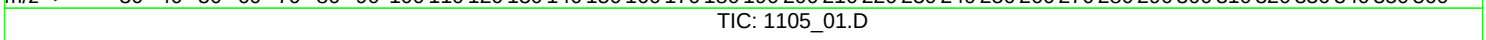
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_01.D Vial: 1
Acq On : 5 Nov 2011 11:24 am Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:31 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA
Last Update : Wed Nov 02 18:22:40 2011
Response via : Single Level Calibration





(4) DDT (MT)

9.51min (-0.030) 333.8810602 ug/ml

Qvalue = 100

response 4492777

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_01.D Vial: 1
Acq On : 5 Nov 2011 11:24 am Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11
Misc : dftpp Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:31 2011 Quant Results File: TUNED.RES

Quant Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA
Last Update : Wed Nov 02 18:22:40 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) Pentachlorophenol	7.87	264	192085	32.9180976	ug/mL	100
2) DFTPP	8.07	198	376762	50.9216285	ug/mL	100
3) Benzidine	8.82	184	1273070	53.0409589	ug/mL	100
4) DDT	9.51	TIC	4492777	333.8810602	ug/ml	100

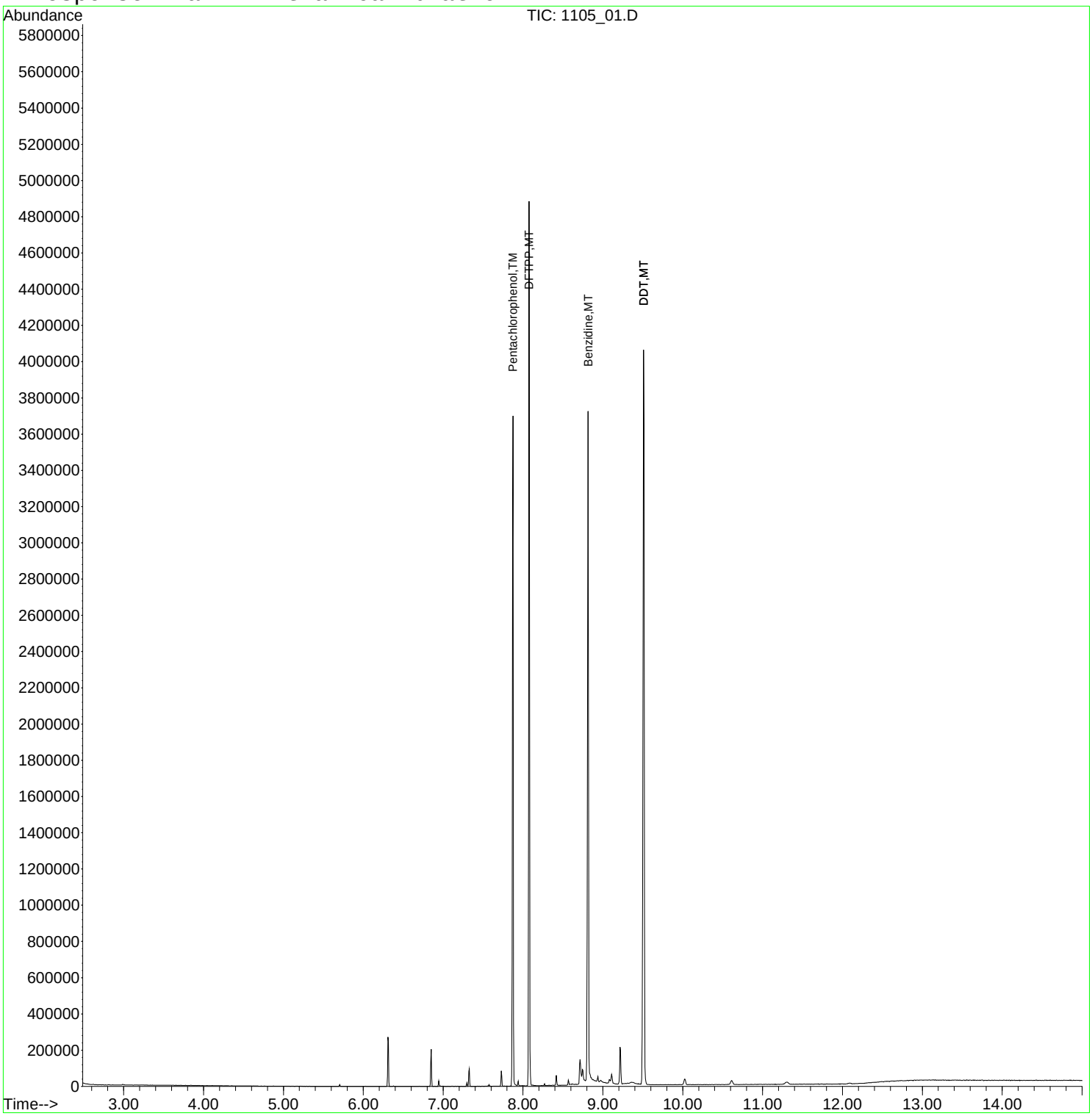
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_01.D Vial: 1
Acq On : 5 Nov 2011 11:24 am Operator: 377
Sample : TUNE 50 ppm Inst : BNAMS11

MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:31 2011 Quant Results File: TUNED.RES

Method : C:\MSDCHEM\1\METHODS\TUNED.M (RTE Integrator)
Title : 8270 BNA
Last Update : Wed Nov 02 18:22:40 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377
Sample : STD SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:37 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.34	152	72766	8000.00 ppb	-0.01
22) Naphthalene-d8	6.09	136	283169	8000.00 ppb	-0.01
40) Acenaphthene-d10	7.12	164	154192	8000.00 ppb	0.00
64) Phenanthrene-d10	7.99	188	241922	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	221195	8000.00 ppb	0.00
88) Perylene-d12	12.32	264	229338	8000.00 ppb	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	4.55	112	114596	10000.0000000 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 50000.00%#		
7) Phenol-d5	5.09	99	133013	10000.0000000 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 50000.00%#		
23) Nitrobenzene-d5	5.66	82	157895	10000.0000000 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 100000.00%#		
44) 2-Fluorobiphenyl	6.70	172	265276	10000.0000000 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 100000.00%#		
67) 2,4,6-Tribromophenol	7.57	330	32339	10000.0000000 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 50000.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 100000.00%#		

Target Compounds

					Qvalue
2) Pyridine	3.62	79	130251m	9999.9232257 ppb	
3) N-Nitrosodimethylamine	3.59	42	78349m	10000.0000000 ppb	
5) Aniline	5.15	93	184694	10000.0000000 ppb	100
6) bis(2-Chloroethyl)ether	5.16	93	130083m	9984.5721654 ppb	
8) Phenol	5.09	94	160023	10000.0000000 ppb	100
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.22	128	126091	10000.0000000 ppb	100
11) n-Decane	5.20	41	85651	10000.0000000 ppb	100
12) 1,3-Dichlorobenzene	5.31	146	140134	10000.0000000 ppb	100
13) 1,4-Dichlorobenzene	5.35	146	139866	10000.0000000 ppb	100
14) Benzyl Alcohol	5.40	79	109014	10000.0000000 ppb	100
15) 1,2-Dichlorobenzene	5.45	146	132912	10000.0000000 ppb	100
16) bis(2-Chloroisopropyl)ethe	5.47	121	43713	10000.0000000 ppb	100
17) 2-Methylphenol	5.45	108	119863	10000.0000000 ppb	100
18) Hexachloroethane	5.65	117	56971	10000.0000000 ppb	100
19) N-Nitrosodi-n-propylamine	5.55	70	98589	10000.0000000 ppb	100
20) 3&4-Methyl phenol	5.53	107	127245	10000.0000000 ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377
Sample : STD SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:37 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
21)	Acetophenone	0.00	105	0	N.D.	d	
24)	Nitrobenzene	5.67	77	142530	10000.0000000	ppb	100
25)	Isophorone	5.80	82	260012	10000.0000000	ppb	100
26)	2-Nitrophenol	5.85	139	61568	10000.0000000	ppb	100
27)	2,4-Dimethylphenol	5.85	107	127070	10000.0000000	ppb	100
28)	bis(2-Chlorethoxy)methane	5.90	93	148169	10000.0000000	ppb	100
29)	2,4-Dichlorophenol	5.99	162	101711	10000.0000000	ppb	100
30)	Benzoic Acid	0.00	105	0	N.D.	d	
31)	1,2,4-Trichlorobenzene	6.05	180	112749	10000.0000000	ppb	100
32)	Naphthalene	6.10	128	381660	10000.0000000	ppb	100
33)	4-Chloroaniline	6.11	65	50468	10000.0000000	ppb	100
34)	Hexachloro-1,3-butadiene	6.15	225	66470	10000.0000000	ppb	100
35)	Caprolactam	0.00	113	0	N.D.	d	
36)	4-Chloro-3-methylphenol	6.36	107	112702	10000.0000000	ppb	100
37)	2-Methylnaphthalene	6.50	142	244924	10000.0000000	ppb	100
38)	1-Methylnaphthalene	6.56	142	244064	10000.0000000	ppb	100
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d	
41)	Hexachlorocyclopentadiene	6.58	237	61017	10000.0000000	ppb	100
42)	2,4,6-Trichlorophenol	6.65	196	73129	10000.0000000	ppb	100
43)	2,4,5-Trichlorophenol	6.67	196	76634	10000.0000000	ppb	100
45)	Biphenyl	6.76	154	298924	10000.0000000	ppb	100
46)	2-Chloronaphthalene	6.79	162	223314	10000.0000000	ppb	100
47)	2-Nitroaniline	6.83	138	72230	10000.0000000	ppb	100
48)	Acenaphthylene	7.04	152	356885	10000.0000000	ppb	100
49)	Dimethyl phthalate	6.91	163	261194	10000.0000000	ppb	100
50)	2,6-Dinitrotoluene	6.96	165	58163	10000.0000000	ppb	100
51)	3-Nitroaniline	7.07	138	59835	10000.0000000	ppb	100
52)	Acenaphthene	7.14	153	232967	10000.0000000	ppb	100
53)	2,4-Dinitrophenol	7.12	184	15405	10000.0000000	ppb	100
54)	Dibenzofuran	7.23	168	311398	10000.0000000	ppb	100
55)	2,4-Dinitrotoluene	7.20	165	76218	10000.0000000	ppb	100
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	d	
57)	4-Nitrophenol	7.13	139	41382	10000.0000000	ppb	100
58)	Fluorene	7.44	166	266402	10000.0000000	ppb	100
59)	4-Chlorophenyl-phenylether	7.41	204	119799	10000.0000000	ppb	100
60)	Diethyl phthalate	7.32	149	272070	10000.0000000	ppb	100
62)	Azobenzene	7.50	77	299956	10000.0000000	ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:37 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63) Atrazine	0.00	200	0	N.D. d		
65) 4,6-Dinitro-2-methylphenol	7.44	198	31565	10000.0000000	ppb	100
66) N-Nitrosodiphenylamine	7.47	169	214210	10000.0000000	ppb	100
68) 4-Bromophenyl-phenylether	7.70	248	68446	10000.0000000	ppb	100
69) Hexachlorobenzene	7.76	284	78021	10000.0000000	ppb	100
70) n-octadecane	7.83	55	52935	10000.0000000	ppb	100
71) Pentachlorophenol	7.86	266	46852	10000.0000000	ppb	100
72) Phenanthrene	8.01	178	358140	10000.0000000	ppb	100
73) Anthracene	8.04	178	366140	10000.0000000	ppb	100
74) Carbazole	8.12	167	331343m	10000.0301803	ppb	
75) Di-n-butyl phthalate	8.26	149	488089	10000.0000000	ppb	100
76) 2-nitrodiphenylamine	0.00	167	0	N.D.		
77) Fluoranthene	8.75	202	400828	10000.0000000	ppb	100
79) Benzidine	0.00	184	0	N.D.		
80) Pyrene	8.93	202	394645	10000.0000000	ppb	100
82) Benzylbutyl phthalate	9.37	149	201877	10000.0000000	ppb	100
83) 3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84) Benzo(a)anthracene	10.07	228	339053	10000.0000000	ppb	100
85) Chrysene	10.12	228	320917	10000.0000000	ppb	100
86) bis(2-Ethylhexyl)phthalate	9.95	149	297545	10000.0000000	ppb	100
87) Di-n-octyl phthalate	10.86	149	500514	10000.0000000	ppb	100
89) Benzo(b)fluoranthene	11.66	252	338365m	9999.7044699	ppb	
90) Benzo(k)fluoranthene	11.71	252	322727	10000.0000000	ppb	100
91) Benzo(a)pyrene	12.24	252	323551	10000.0000000	ppb	100
92) Indeno(1,2,3-cd)pyrene	14.06	276	362635	10000.0000000	ppb	100
93) Dibenz(a,h)anthracene	14.08	278	288238	10000.0000000	ppb	100
94) Benzo(g,h,i)perylene	14.59	276	312457	10000.0000000	ppb	100

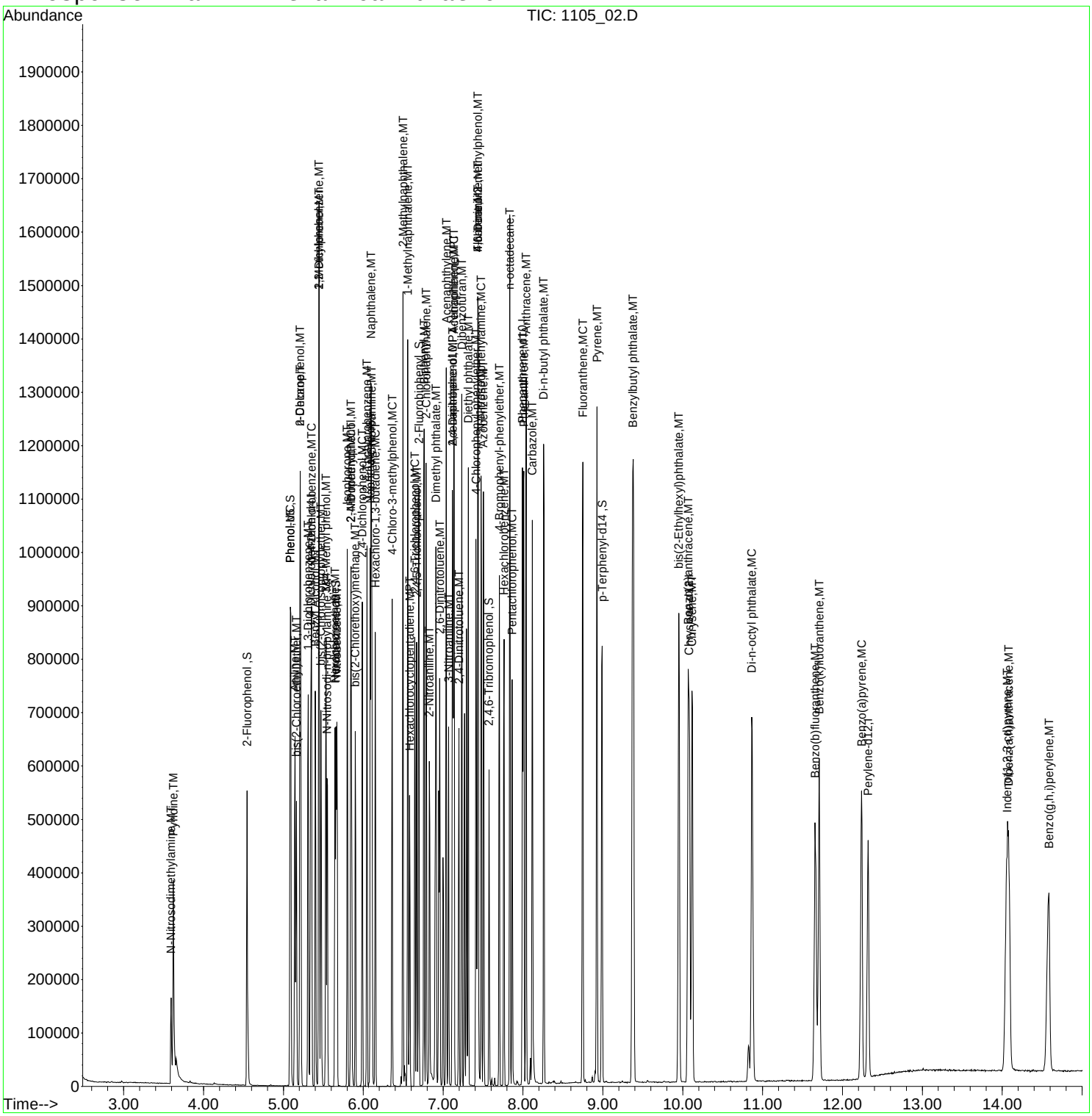
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:37 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Initial Calibration

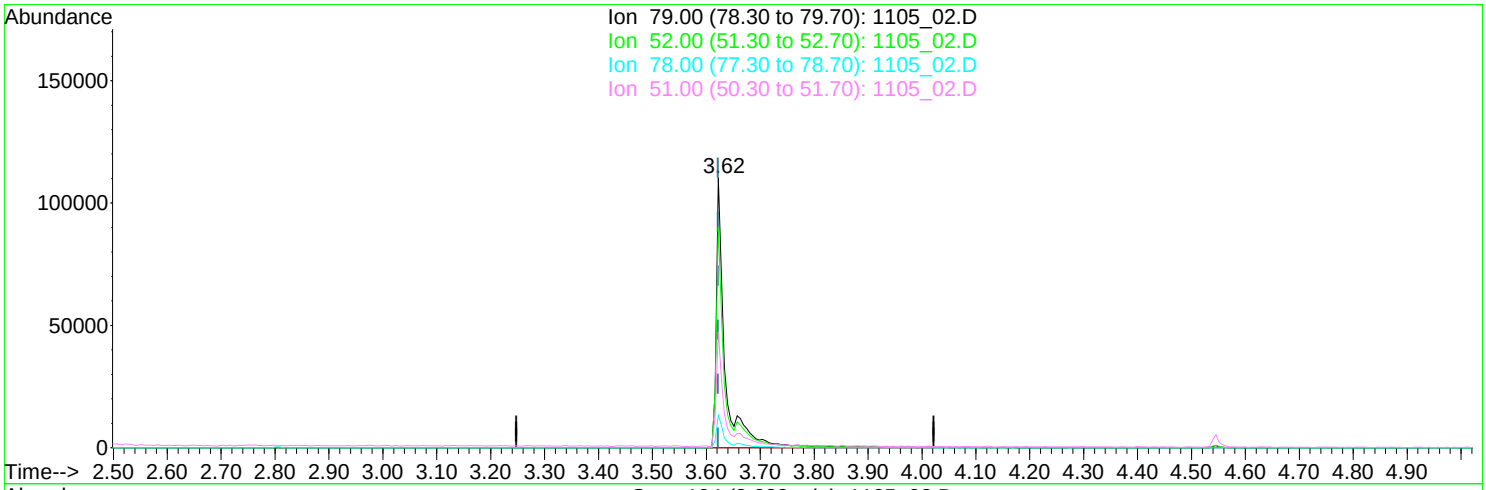


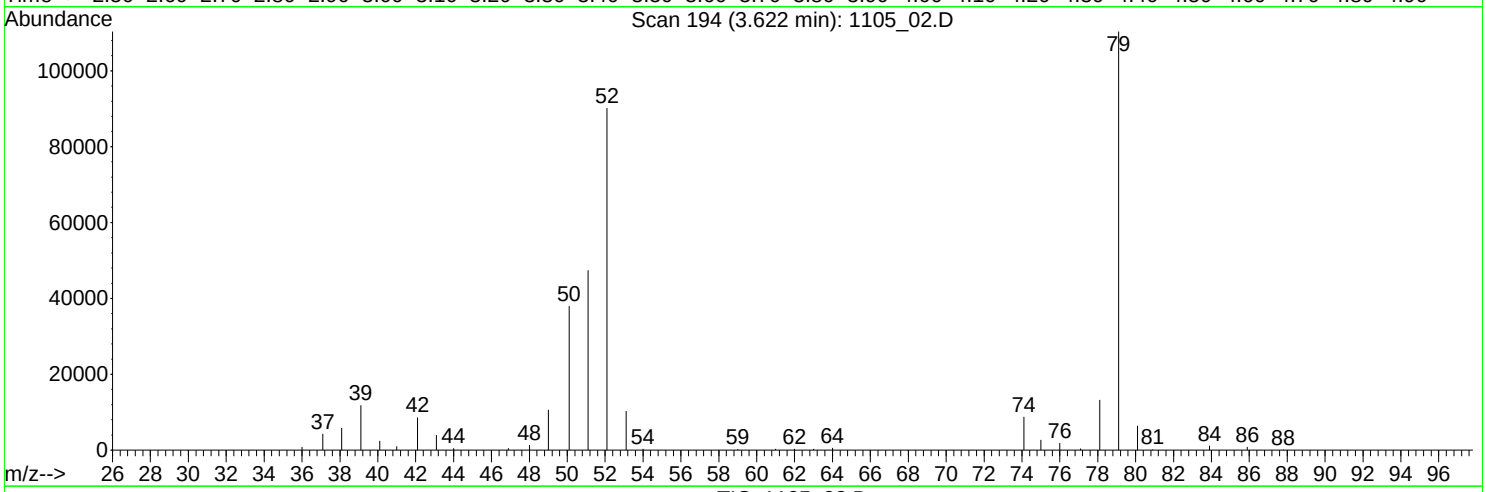
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_02.D

(2) Pyridine (TM)

3.62min (0.000) 9999.9232257 ppb m

response 130251

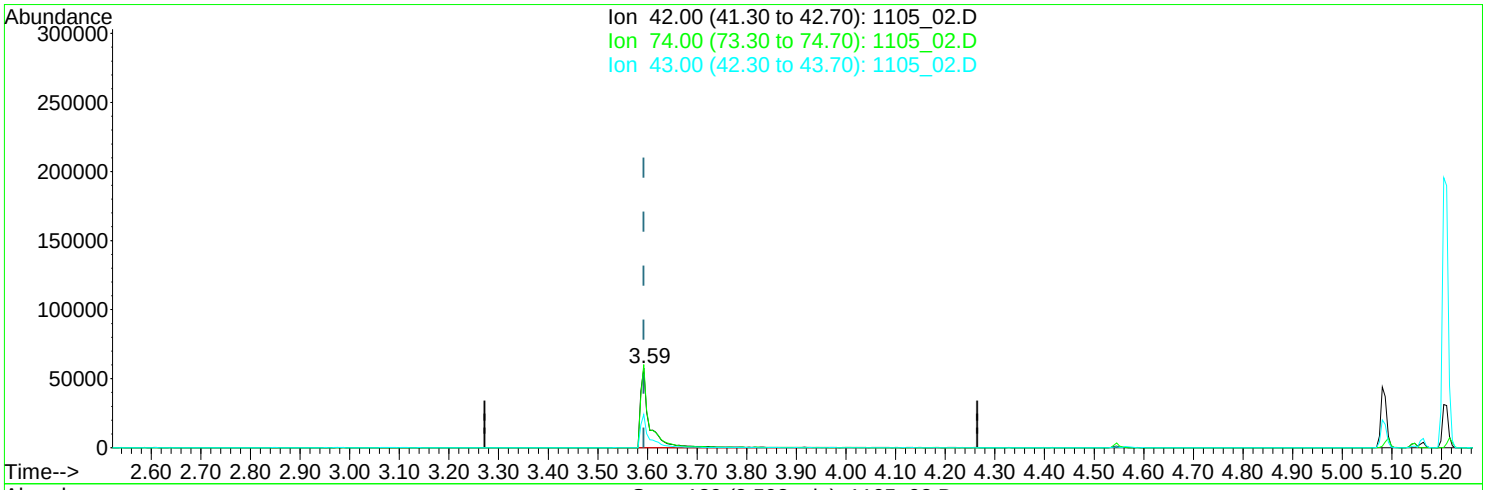
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	81.73
78.00	12.00	12.01
51.00	42.90	42.94

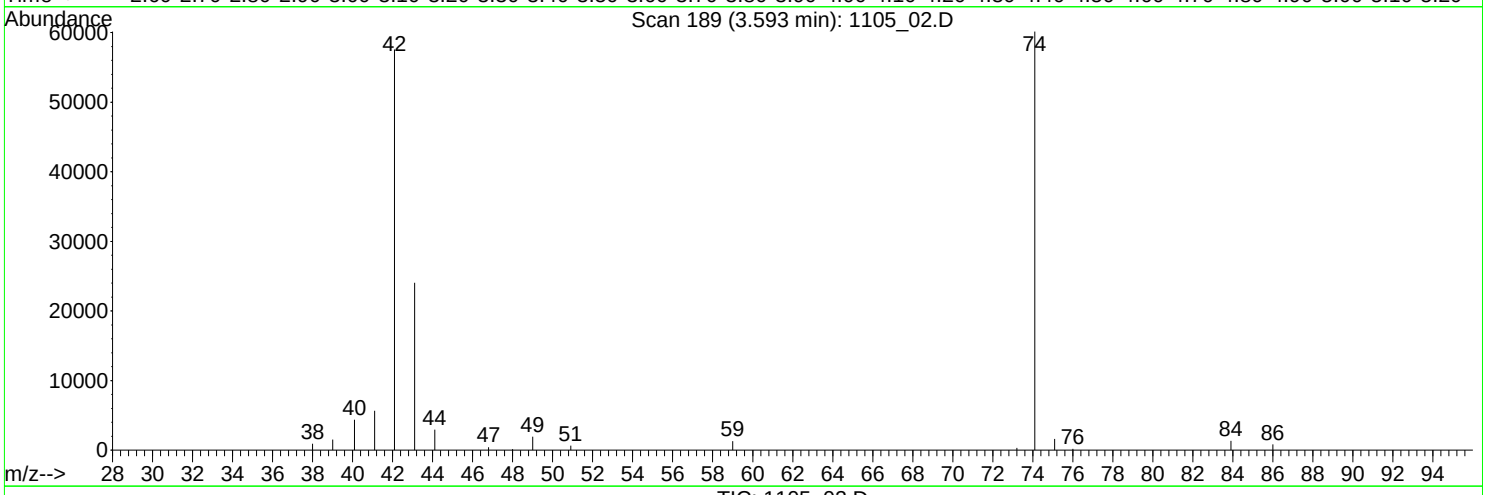
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_02.D

(3) N-Nitrosodimethylamine (MT)

3.59min (0.000) 10000.0000000 ppb m

response 78349

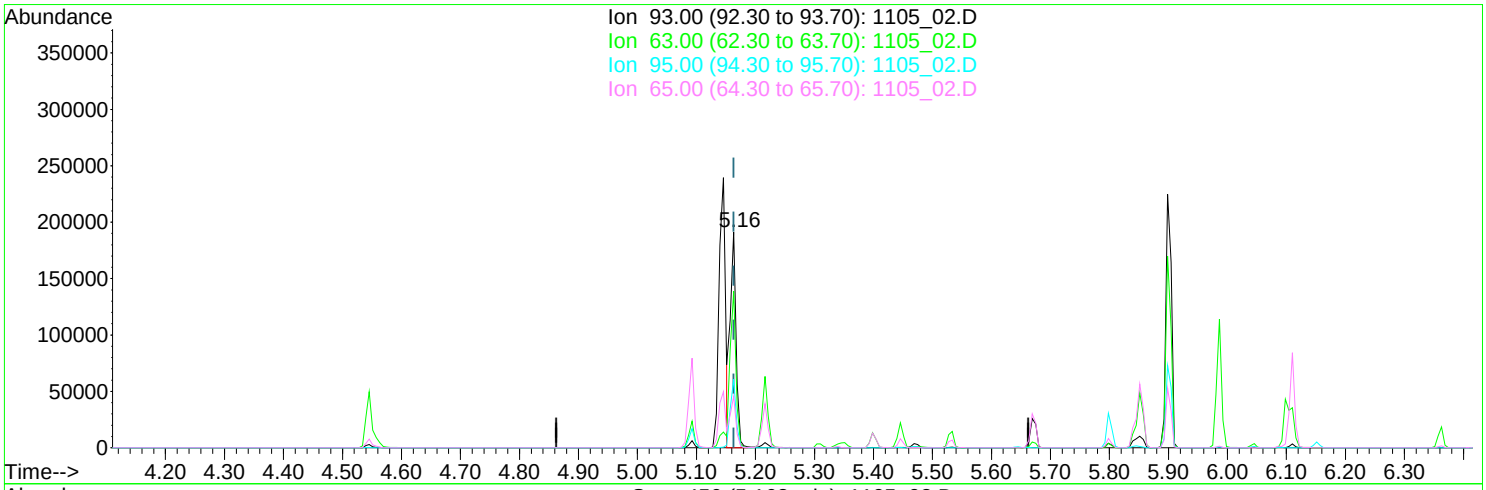
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	96.06
43.00	39.20	39.17
0.00	0.00	0.00

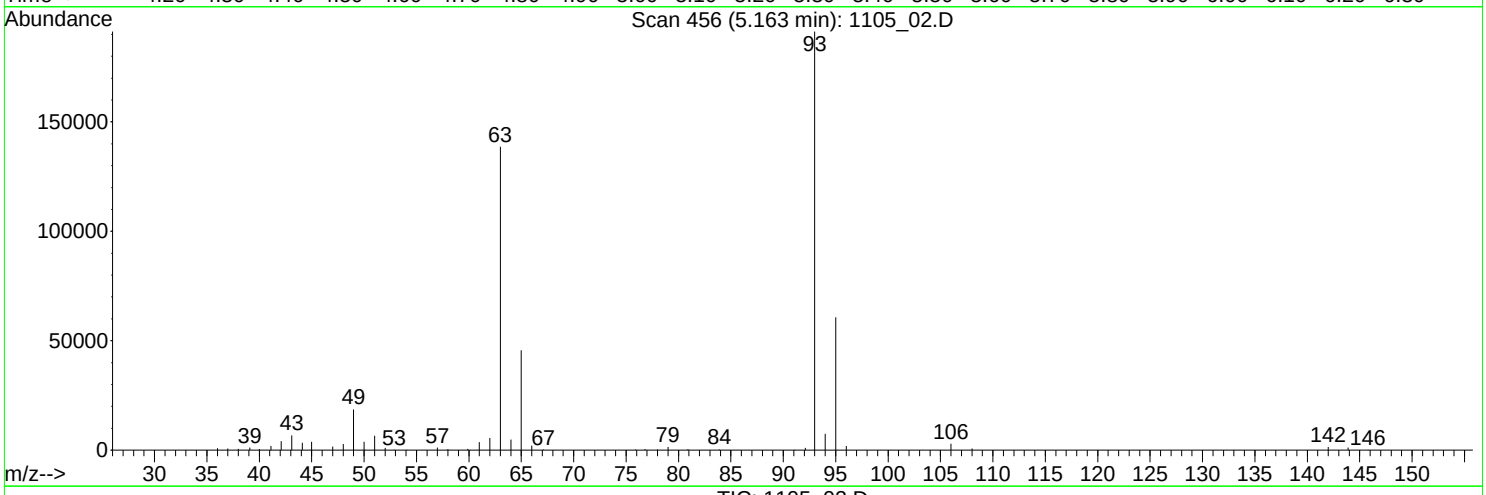
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_02.D

(6) bis(2-Chloroethyl)ether (MT)

5.16min (0.000) 9984.5721654 ppb m

response 130083

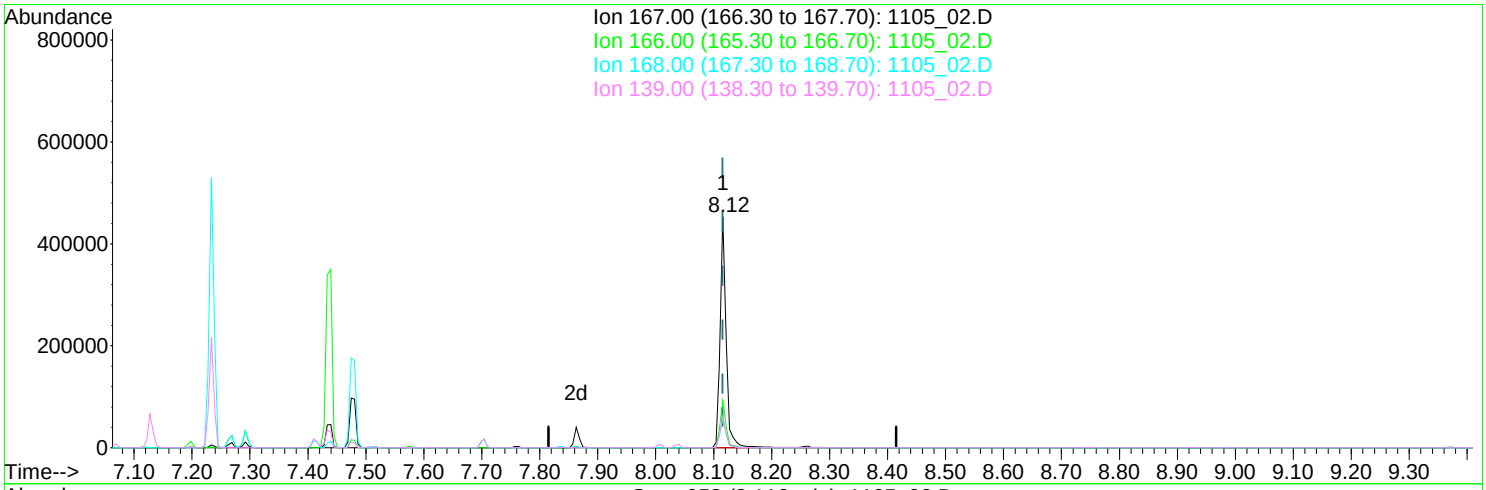
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	72.47
95.00	31.70	31.70
65.00	23.80	23.82

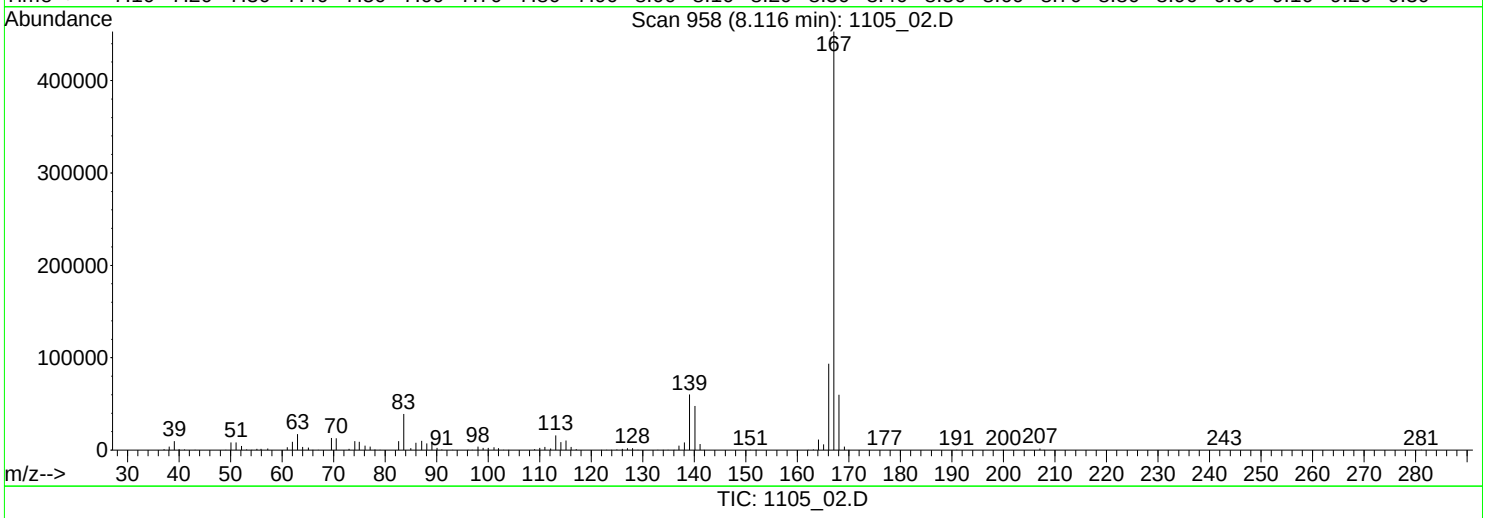
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_02.D

(74) Carbazole (MT)

8.12min (0.000) 10000.0301803 ppb m

response 331343

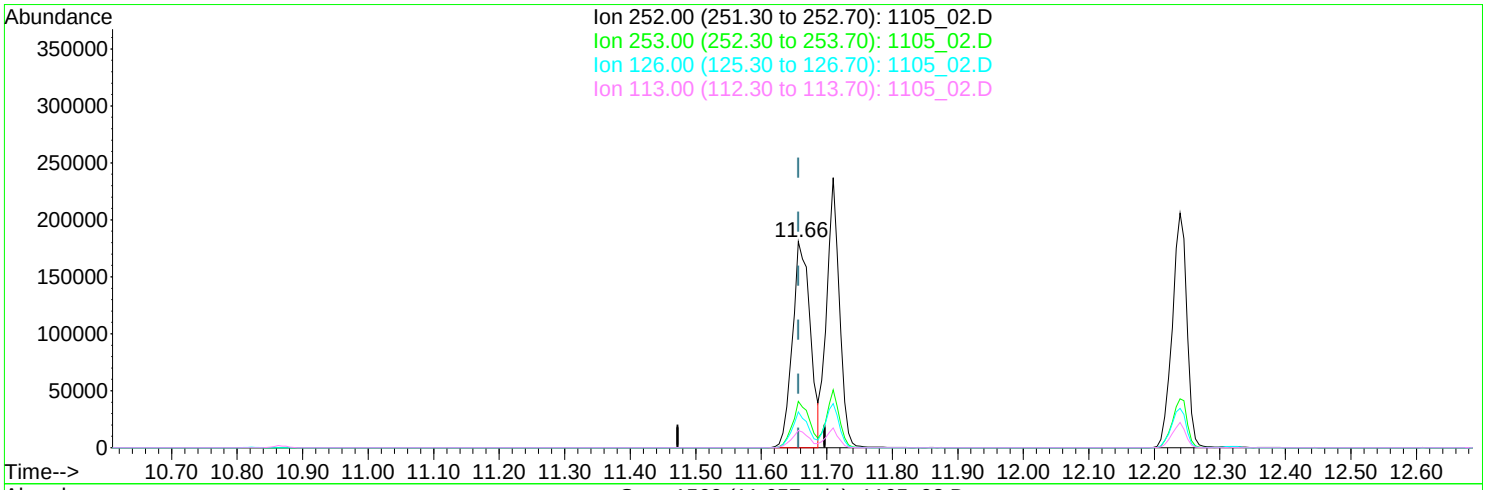
Ion	Exp%	Act%
167.00	100	100
166.00	20.30	20.29
168.00	13.00	13.00
139.00	13.10	13.07

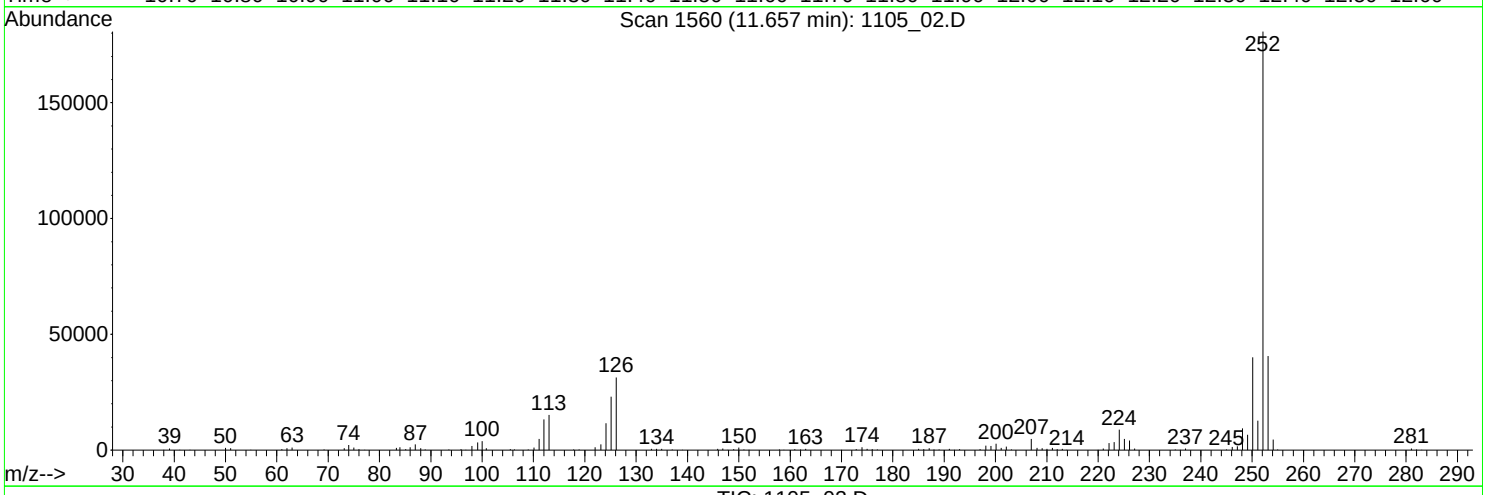
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:37 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_02.D

(89) Benzo(b)fluoranthene (MT)

11.66min (0.000) 9999.7044699 ppb m

response 338365

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.46
126.00	17.40	17.39
113.00	8.40	8.43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_03.D Vial: 3
Acq On : 5 Nov 2011 12:31 pm Operator: 377
Sample : STD SVMS 200 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:42 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	80751	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	317700	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	177469	8000.00 ppb	0.00
64) Phenanthrene-d10	7.99	188	263774	8000.00 ppb	0.00
78) Chrysene-d12	10.08	240	245086	8000.00 ppb	-0.01
88) Perylene-d12	12.32	264	250663	8000.00 ppb	-0.01

System Monitoring Compounds					
4) 2-Fluorophenol	4.55	112	2190	172.2087637 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 861.04%#		
7) Phenol-d5	5.09	99	2568	173.9728682 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 869.86%#		
23) Nitrobenzene-d5	5.66	82	2960	167.0905258 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 1670.91%#		
44) 2-Fluorobiphenyl	6.70	172	5474	179.2859151 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 1792.86%#		
67) 2,4,6-Tribromophenol	7.57	330	454	128.7575325 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 643.79%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 1783.98%#		

Target Compounds					Qvalue
2) Pyridine	3.72	79	1259m	87.1007556 ppb	
3) N-Nitrosodimethylamine	4.02	42	2018m	232.0963427 ppb	
5) Aniline	5.15	93	3625	176.8625232 ppb	96
6) bis(2-Chloroethyl)ether	5.17	93	3016m	208.6031423 ppb	
8) Phenol	5.09	94	3284	184.9274296 ppb	98
9) Benzaldehyde	0.00	105	0	N.D.	
10) 2-Chlorophenol	5.22	128	2608	186.3820529 ppb	96
11) n-Decane	5.21	41	1910	200.9469979 ppb #	95
12) 1,3-Dichlorobenzene	5.31	146	3105	199.6634995 ppb	89
13) 1,4-Dichlorobenzene	5.36	146	3261	210.0967029 ppb	87
14) Benzyl Alcohol	5.40	79	2173	179.6213863 ppb	98
15) 1,2-Dichlorobenzene	5.45	146	2974	201.6310278 ppb	93
16) bis(2-Chloroisopropyl)ethe	5.47	121	822	169.4500875 ppb	96
17) 2-Methylphenol	5.45	108	2366	177.8730655 ppb	94
18) Hexachloroethane	5.65	117	1264	199.9280933 ppb	96
19) N-Nitrosodi-n-propylamine	5.55	70	1926	176.0388059 ppb	94
20) 3&4-Methyl phenol	5.53	107	2557	181.0800455 ppb	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_03.D Vial: 3
Acq On : 5 Nov 2011 12:31 pm Operator: 377
Sample : STD SVMS 200 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:42 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21)	Acetophenone	0.00	105	0	N.D. d			
24)	Nitrobenzene	5.67	77	2925	182.9144761	ppb		88
25)	Isophorone	5.80	82	5007	171.6377022	ppb		98
26)	2-Nitrophenol	5.86	139	813	117.6966202	ppb		89
27)	2,4-Dimethylphenol	5.85	107	2526	177.1816773	ppb		96
28)	bis(2-Chlorethoxy)methane	5.90	93	3152	189.6083030	ppb		96
29)	2,4-Dichlorophenol	5.99	162	1912	167.5515524	ppb		90
30)	Benzoic Acid	0.00	105	0	N.D. d			
31)	1,2,4-Trichlorobenzene	6.05	180	2423	191.5442890	ppb		91
32)	Naphthalene	6.10	128	8660	202.2412488	ppb		99
33)	4-Chloroaniline	6.11	65	897	158.4181148	ppb	#	67
34)	Hexachloro-1,3-butadiene	6.16	225	1437	192.6901797	ppb		99
35)	Caprolactam	0.00	113	0	N.D.			
36)	4-Chloro-3-methylphenol	6.36	107	2115	167.2658342	ppb		88
37)	2-Methylnaphthalene	6.50	142	4967	180.7554117	ppb		97
38)	1-Methylnaphthalene	6.56	142	5334	194.7949882	ppb		98
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.			
41)	Hexachlorocyclopentadiene	6.59	237	922	131.2863002	ppb		90
42)	2,4,6-Trichlorophenol	6.65	196	1159	137.6997465	ppb		89
43)	2,4,5-Trichlorophenol	6.67	196	1234	139.9049255	ppb		87
45)	Biphenyl	6.76	154	6041	175.5849912	ppb		96
46)	2-Chloronaphthalene	6.79	162	4596	178.8147784	ppb		94
47)	2-Nitroaniline	6.83	138	1358	163.3508861	ppb	#	88
48)	Acenaphthylene	7.04	152	7309	177.9381236	ppb		98
49)	Dimethyl phthalate	6.91	163	5370	178.6283674	ppb		95
50)	2,6-Dinitrotoluene	6.96	165	1011	151.0232097	ppb		94
51)	3-Nitroaniline	7.07	138	1058	153.6277648	ppb		93
52)	Acenaphthene	7.13	153	5278	196.8404360	ppb		92
53)	2,4-Dinitrophenol	0.00	184	0	N.D.			
54)	Dibenzofuran	7.23	168	6957	194.1089337	ppb		99
55)	2,4-Dinitrotoluene	7.20	165	1208	137.7046879	ppb		94
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D. d			
57)	4-Nitrophenol	7.13	139	244	51.2292136	ppb		94
58)	Fluorene	7.43	166	5756	187.7252294	ppb		98
59)	4-Chlorophenyl-phenylether	7.42	204	2520	182.7623305	ppb	#	83
60)	Diethyl phthalate	7.32	149	5568	177.8107073	ppb		97
62)	Azobenzene	7.50	77	5857	169.6512289	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_03.D Vial: 3
Acq On : 5 Nov 2011 12:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:42 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

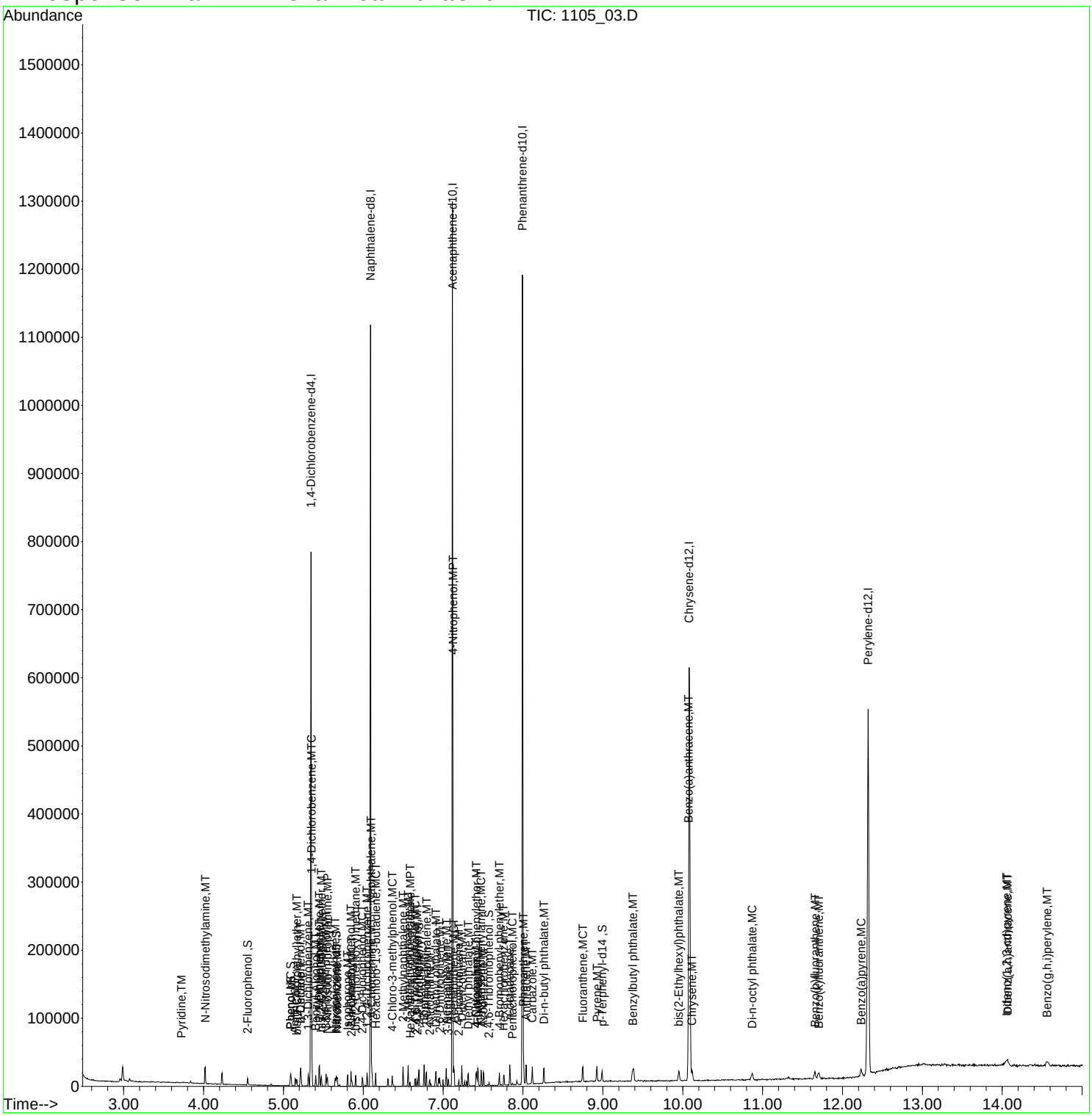
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	0.00	200	0	N.D.		
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.		
66)	N-Nitrosodiphenylamine	7.47	169	4281	183.2942603 ppb		96
68)	4-Bromophenyl-phenylether	7.70	248	1492	199.9236302 ppb		91
69)	Hexachlorobenzene	7.76	284	1537	180.6781912 ppb		95
70)	n-octadecane	7.83	55	1012	175.3399886 ppb	#	90
71)	Pentachlorophenol	7.87	266	346	67.7316013 ppb	#	78
72)	Phenanthrene	8.01	178	7719	197.6749286 ppb		92
73)	Anthracene	8.04	178	7144	178.9524496 ppb		98
74)	Carbazole	8.12	167	6746	186.7296256 ppb		99
75)	Di-n-butyl phthalate	8.26	149	9513	178.7565053 ppb		95
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.75	202	7922	181.2675919 ppb		95
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.93	202	7574	173.2110115 ppb		99
82)	Benzylbutyl phthalate	9.37	149	3580	160.0490078 ppb		97
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	10.07	228	7135	189.9254604 ppb		92
85)	Chrysene	10.12	228	6454	181.5068582 ppb		95
86)	bis(2-Ethylhexyl)phthalate	9.95	149	5070	153.7843370 ppb		95
87)	Di-n-octyl phthalate	10.87	149	7908	142.5959638 ppb		99
89)	Benzo(b)fluoranthene	11.66	252	6265m	169.3981232 ppb		
90)	Benzo(k)fluoranthene	11.70	252	6001	170.1273407 ppb		98
91)	Benzo(a)pyrene	12.24	252	5945	168.1105234 ppb		95
92)	Indeno(1,2,3-cd)pyrene	14.05	276	6339	159.9325351 ppb		88
93)	Dibenz(a,h)anthracene	14.07	278	4362	138.4586884 ppb		90
94)	Benzo(g,h,i)perylene	14.57	276	5376	157.4181445 ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_03.D Vial: 3
Acq On : 5 Nov 2011 12:31 pm Operator: 377
Sample : STD SVMS 200 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:42 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Initial Calibration

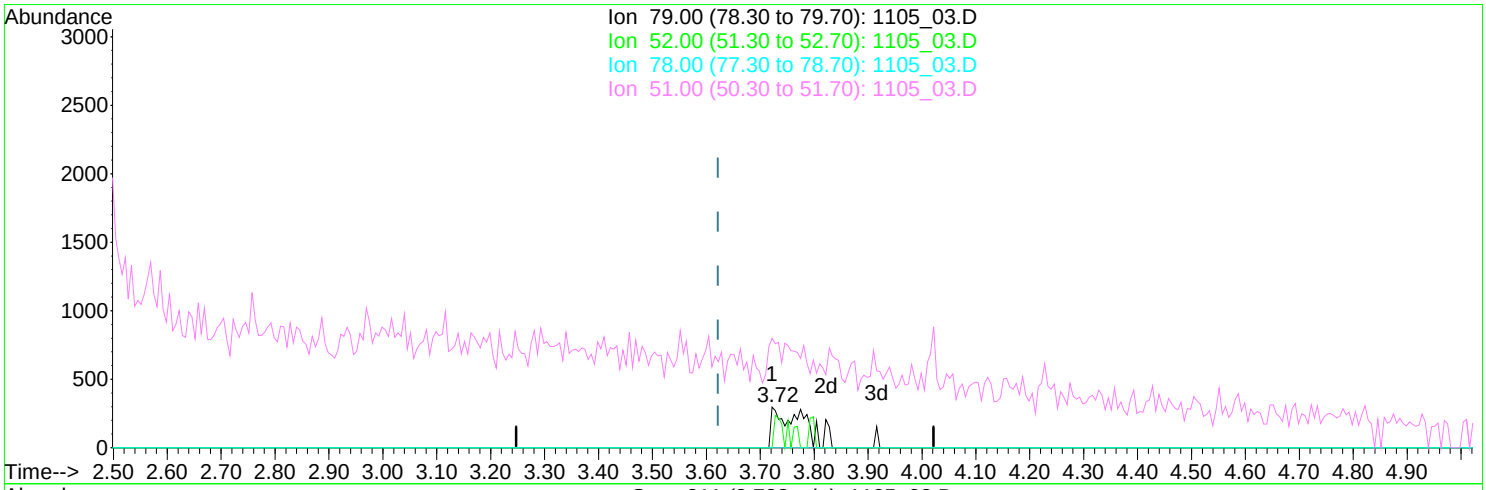


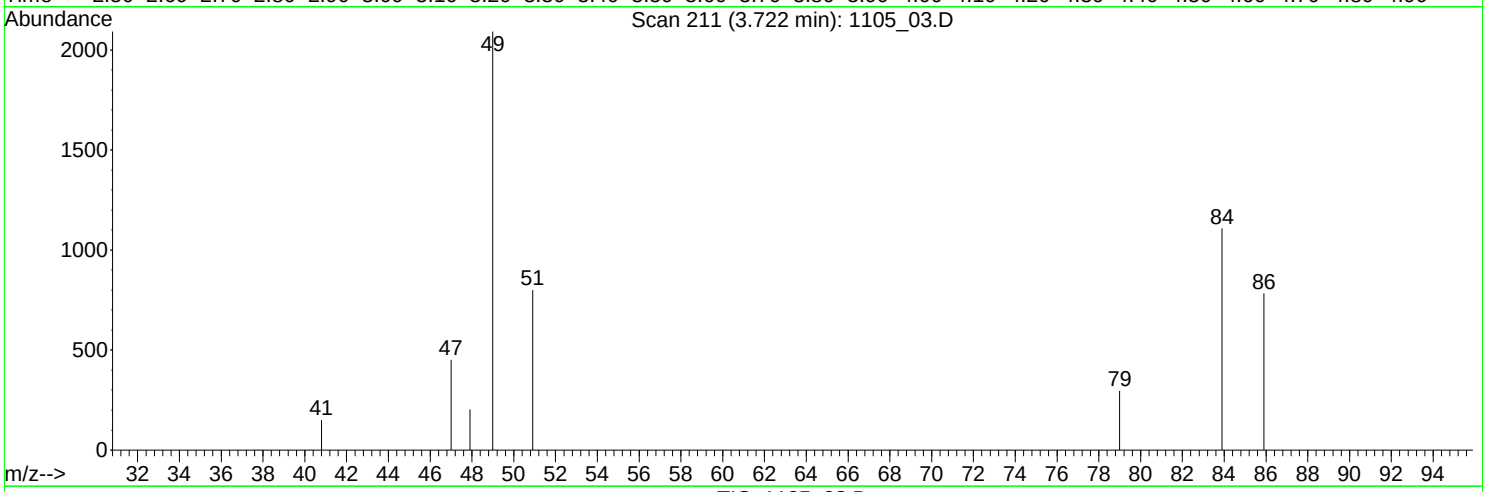
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_03.D Vial: 3
Acq On : 5 Nov 2011 12:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:42 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_03.D

(2) Pyridine (TM)

3.72min (+0.100) 87.1007556 ppb m

response 1259

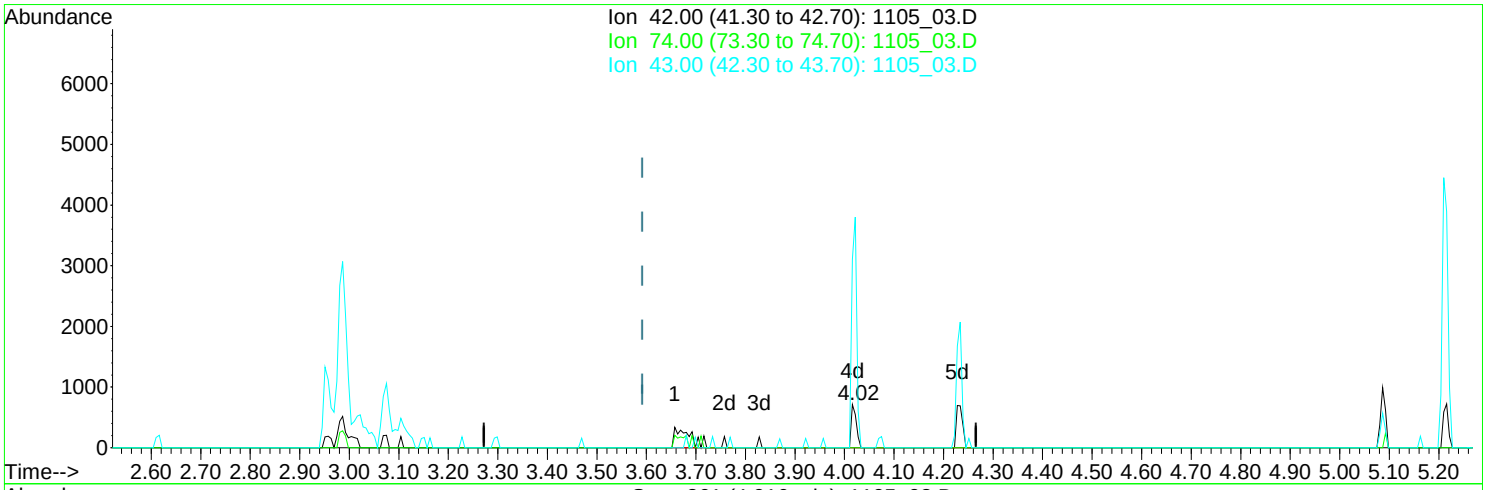
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	0.00#
78.00	12.00	0.00#
51.00	42.90	269.93#

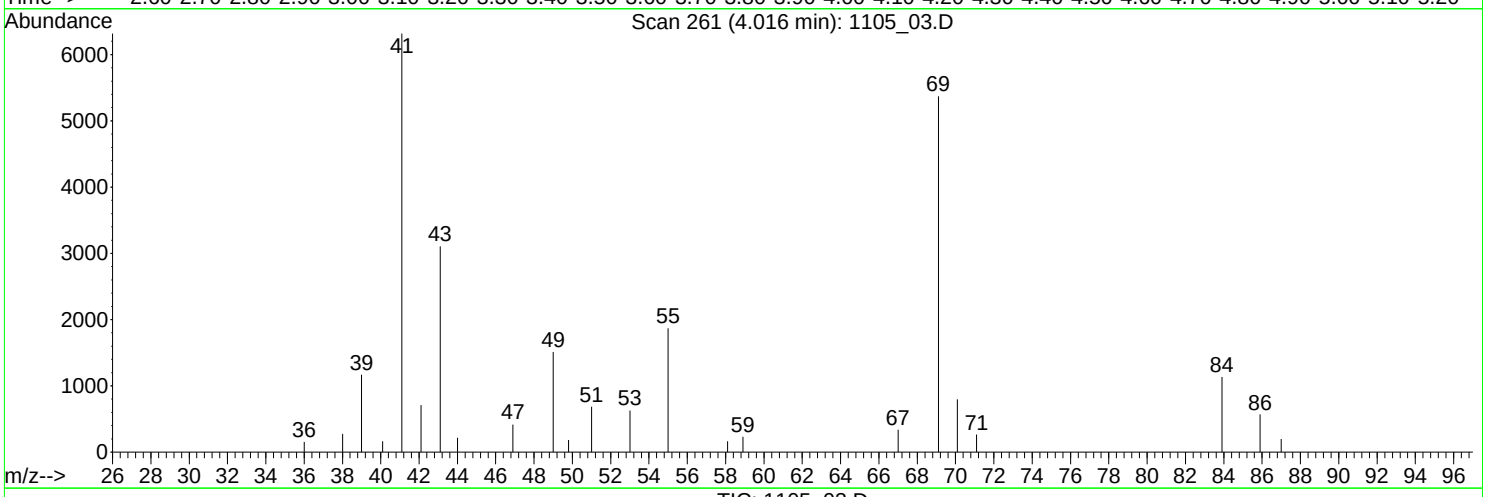
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_03.D Vial: 3
Acq On : 5 Nov 2011 12:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:42 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_03.D

(3) N-Nitrosodimethylamine (MT)

4.02min (+0.423) 232.0963427 ppb m

response 2018

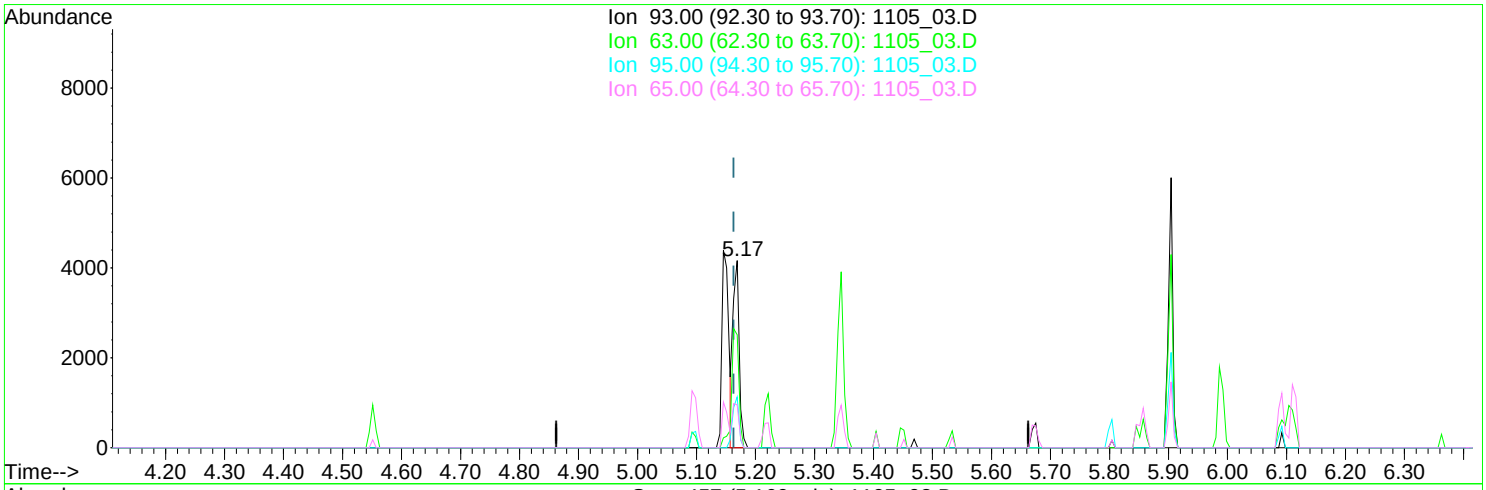
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	19.38#
43.00	39.20	0.00#
0.00	0.00	0.00

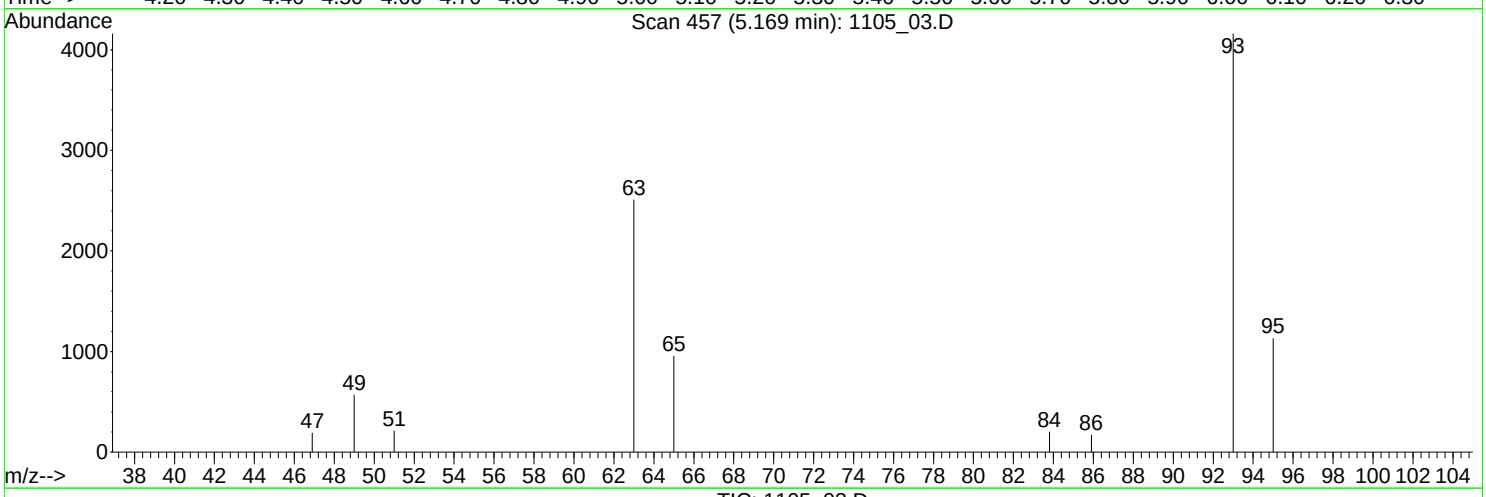
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_03.D Vial: 3
Acq On : 5 Nov 2011 12:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:42 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_03.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.006) 208.6031423 ppb m

response 3016

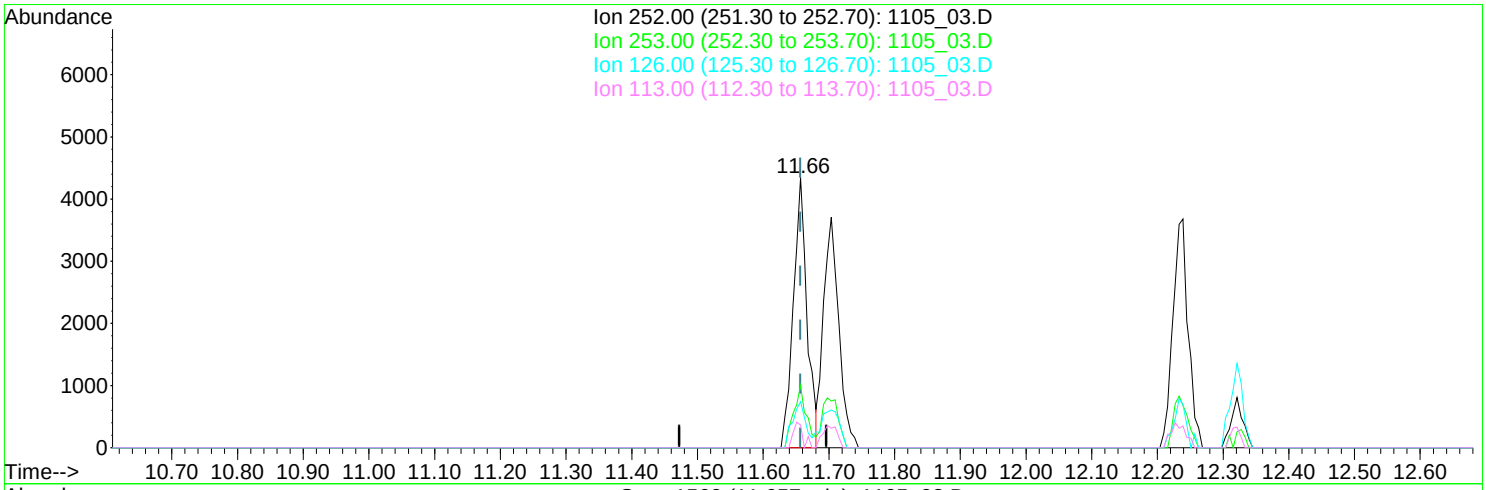
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	60.35
95.00	31.70	27.20
65.00	23.80	23.00

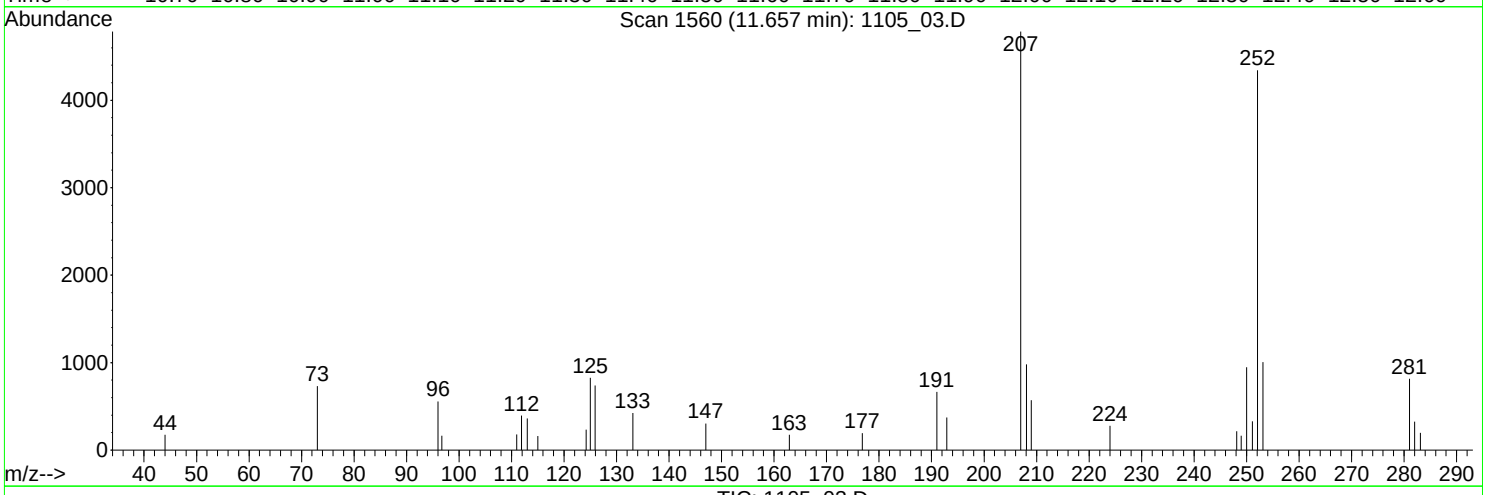
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_03.D Vial: 3
Acq On : 5 Nov 2011 12:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:42 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_03.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-0.000) 169.3981232 ppb m

response 6265

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.14
126.00	17.40	17.02
113.00	8.40	8.38

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377
Sample : STD SVMS 1000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:44 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	70038	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	266010	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	150183	8000.00 ppb	0.00
64) Phenanthrene-d10	7.99	188	222957	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	207116	8000.00 ppb	0.00
88) Perylene-d12	12.32	264	218901	8000.00 ppb	-0.01

System Monitoring Compounds					
4) 2-Fluorophenol	4.55	112	10641	964.7343689 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 4823.67%#		
7) Phenol-d5	5.09	99	13578	1060.5630245 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 5302.82%#		
23) Nitrobenzene-d5	5.66	82	15036	1013.7052212 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 10137.05%#		
44) 2-Fluorobiphenyl	6.70	172	26288	1017.4208936 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 10174.21%#		
67) 2,4,6-Tribromophenol	7.57	330	2874	964.3050243 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 4821.53%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 10501.04%#		

Target Compounds					Qvalue
2) Pyridine	3.66	79	10537m	840.4799269 ppb	
3) N-Nitrosodimethylamine	3.62	42	7508m	995.6015690 ppb	
5) Aniline	5.15	93	16980	955.1677815 ppb	98
6) bis(2-Chloroethyl)ether	5.17	93	13145m	1048.2485558 ppb	
8) Phenol	5.09	94	16023	1040.2942329 ppb	99
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.22	128	12965	1068.2753276 ppb	94
11) n-Decane	5.22	41	8746	1060.8935313 ppb	97
12) 1,3-Dichlorobenzene	5.32	146	14312	1061.0884201 ppb	97
13) 1,4-Dichlorobenzene	5.36	146	14220	1056.2876639 ppb	98
14) Benzyl Alcohol	5.40	79	10494	1000.1233128 ppb	100
15) 1,2-Dichlorobenzene	5.45	146	13336	1042.4522232 ppb	99
16) bis(2-Chloroisopropyl)ethe	5.47	121	4210	1000.6132492 ppb	99
17) 2-Methylphenol	5.45	108	11595	1005.0331249 ppb	95
18) Hexachloroethane	5.65	117	5758	1050.0562981 ppb	94
19) N-Nitrosodi-n-propylamine	5.55	70	9705	1022.7319993 ppb	98
20) 3&4-Methyl phenol	5.53	107	13111	1070.5078530 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377
Sample : STD SVMS 1000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:44 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21)	Acetophenone	0.00	105	0	N.D. d			
24)	Nitrobenzene	5.67	77	14036	1048.2981475	ppb		95
25)	Isophorone	5.80	82	24992	1023.1878261	ppb		93
26)	2-Nitrophenol	5.86	139	5198	898.7294500	ppb		93
27)	2,4-Dimethylphenol	5.85	107	12404	1039.1218371	ppb		94
28)	bis(2-Chlorethoxy)methane	5.90	93	15380	1104.9604399	ppb		95
29)	2,4-Dichlorophenol	5.99	162	10075	1054.4472889	ppb		91
30)	Benzoic Acid	0.00	105	0	N.D. d			
31)	1,2,4-Trichlorobenzene	6.05	180	12011	1134.0030228	ppb		96
32)	Naphthalene	6.10	128	40084	1118.0008956	ppb		97
33)	4-Chloroaniline	6.11	65	5708	1203.9698572	ppb		88
34)	Hexachloro-1,3-butadiene	6.16	225	6902	1105.3428851	ppb		96
35)	Caprolactam	0.00	113	0	N.D. d			
36)	4-Chloro-3-methylphenol	6.36	107	10592	1000.4470154	ppb		97
37)	2-Methylnaphthalene	6.50	142	25312	1100.1270980	ppb		98
38)	1-Methylnaphthalene	6.56	142	26360	1149.7129553	ppb		97
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.			
41)	Hexachlorocyclopentadiene	6.59	237	4596	773.3395747	ppb		89
42)	2,4,6-Trichlorophenol	6.65	196	6530	916.7789074	ppb		88
43)	2,4,5-Trichlorophenol	6.67	196	6907	925.3563885	ppb		93
45)	Biphenyl	6.76	154	30011	1030.7675741	ppb		99
46)	2-Chloronaphthalene	6.79	162	24248	1114.8104702	ppb		93
47)	2-Nitroaniline	6.83	138	6842	972.5378695	ppb		94
48)	Acenaphthylene	7.04	152	36908	1061.7769264	ppb		99
49)	Dimethyl phthalate	6.91	163	27067	1063.9420967	ppb		99
50)	2,6-Dinitrotoluene	6.96	165	5729	1011.2838915	ppb		95
51)	3-Nitroaniline	7.07	138	6010	1031.2411699	ppb		98
52)	Acenaphthene	7.14	153	24329	1072.1879389	ppb		97
53)	2,4-Dinitrophenol	7.13	184	109	72.6450223	ppb	#	1
54)	Dibenzofuran	7.23	168	32939	1086.0145844	ppb		99
55)	2,4-Dinitrotoluene	7.20	165	6821	918.8223852	ppb		96
56)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D. d			
57)	4-Nitrophenol	7.13	139	2823	700.3908569	ppb	#	82
58)	Fluorene	7.44	166	27561	1062.1810679	ppb		99
59)	4-Chlorophenyl-phenylether	7.42	204	12404	1063.0400600	ppb		84
60)	Diethyl phthalate	7.32	149	27820	1049.8265100	ppb		98
62)	Azobenzene	7.51	77	29105	996.2105034	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377
Sample : STD SVMS 1000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:44 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	Atrazine	0.00	200	0	N.D. d			
65)	4,6-Dinitro-2-methylphenol	7.44	198	1213	416.9742722	ppb	#	66
66)	N-Nitrosodiphenylamine	7.48	169	22524	1140.9327054	ppb		95
68)	4-Bromophenyl-phenylether	7.70	248	7124	1129.3539884	ppb		91
69)	Hexachlorobenzene	7.76	284	8233	1144.9877892	ppb		97
70)	n-octadecane	7.83	55	5178	1061.3860634	ppb		97
71)	Pentachlorophenol	7.87	266	3103	718.6342191	ppb		90
72)	Phenanthrene	8.01	178	37726	1142.9893485	ppb		97
73)	Anthracene	8.04	178	35223	1043.8387566	ppb		99
74)	Carbazole	8.12	167	33484	1096.5163103	ppb		99
75)	Di-n-butyl phthalate	8.26	149	47148	1048.1380973	ppb		98
76)	2-nitrodiphenylamine	0.00	167	0	N.D.			
77)	Fluoranthene	8.75	202	38459	1041.1041749	ppb		98
79)	Benzidine	0.00	184	0	N.D.			
80)	Pyrene	8.93	202	39827	1077.7862654	ppb		98
82)	Benzylbutyl phthalate	9.37	149	18163	960.8650489	ppb		97
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.			
84)	Benzo(a)anthracene	10.07	228	34109	1074.3927061	ppb		96
85)	Chrysene	10.12	228	33875	1127.3226579	ppb		98
86)	bis(2-Ethylhexyl)phthalate	9.95	149	27271	978.8362902	ppb		98
87)	Di-n-octyl phthalate	10.87	149	43292	923.7470739	ppb		98
89)	Benzo(b)fluoranthene	11.66	252	34066m	1054.7539211	ppb		
90)	Benzo(k)fluoranthene	11.70	252	32847	1066.3227743	ppb		99
91)	Benzo(a)pyrene	12.23	252	31014	1004.2534014	ppb		98
92)	Indeno(1,2,3-cd)pyrene	14.05	276	33812	976.8534564	ppb		97
94)	Benzo(g,h,i)perylene	14.57	276	29093	975.4983150	ppb		95

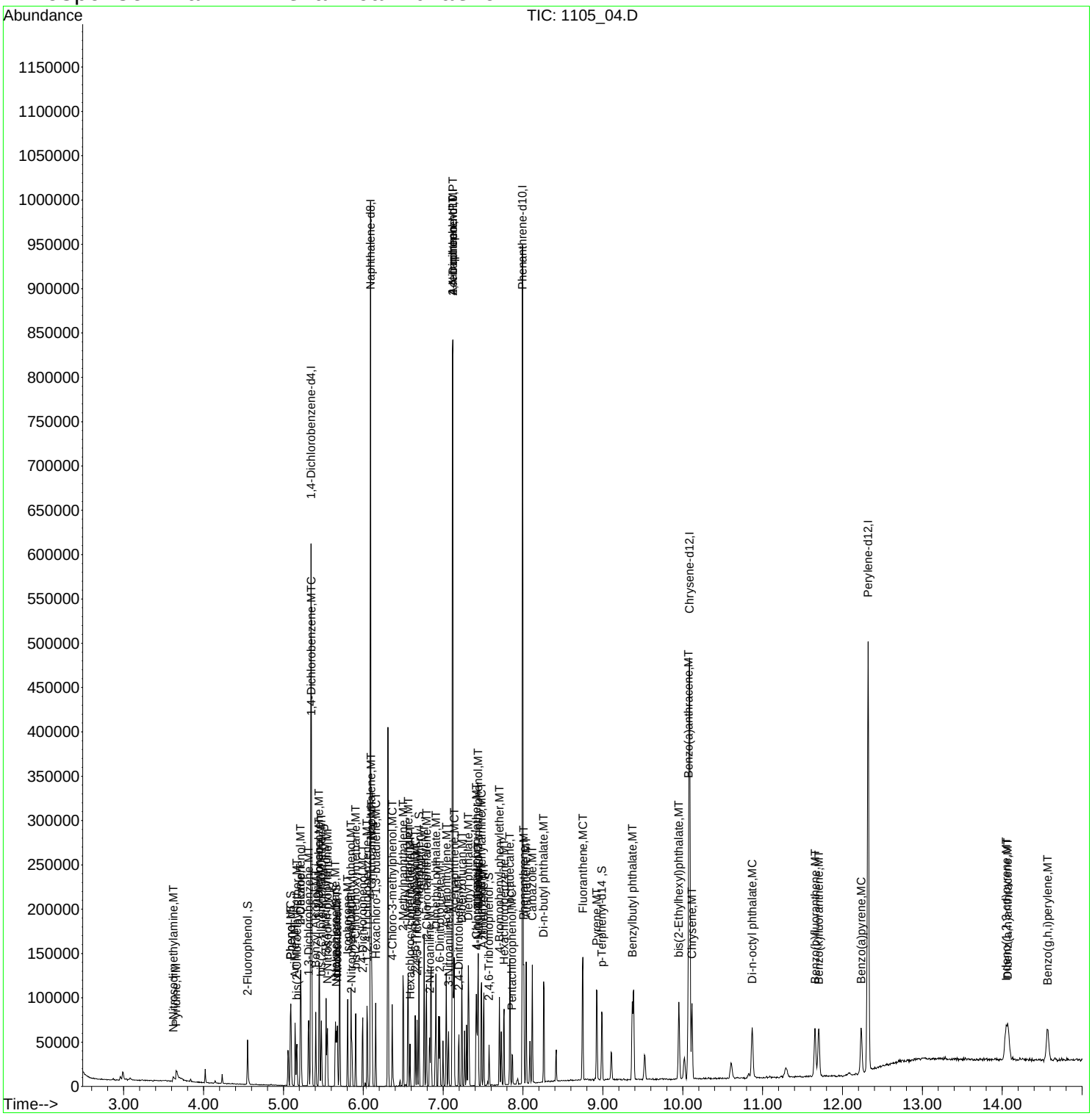
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:44 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Initial Calibration

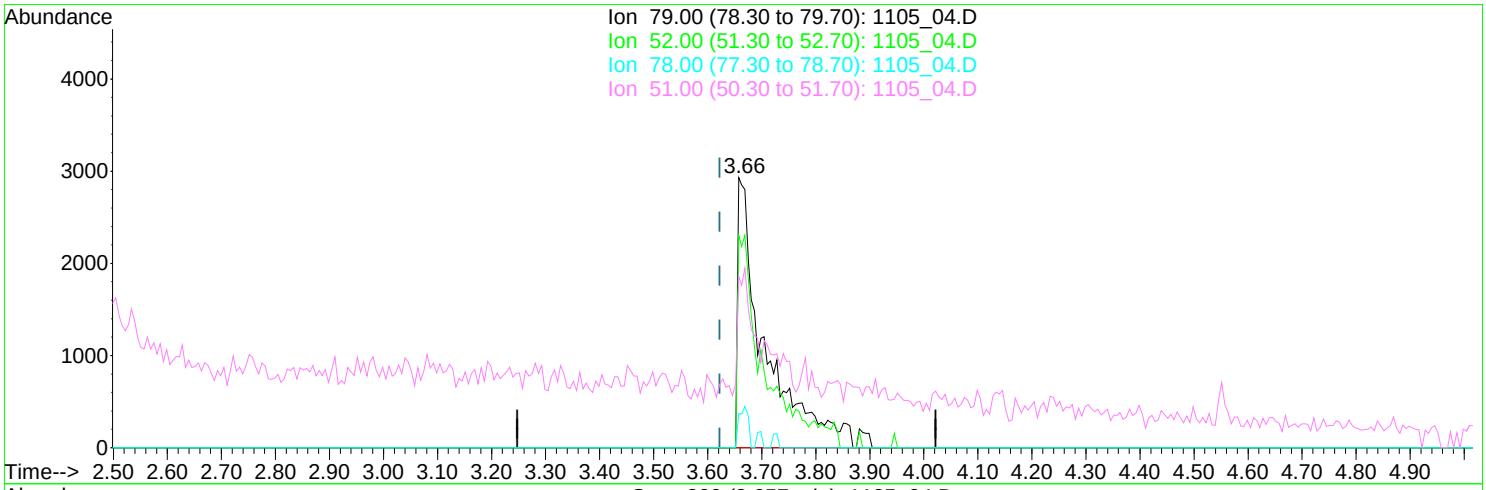


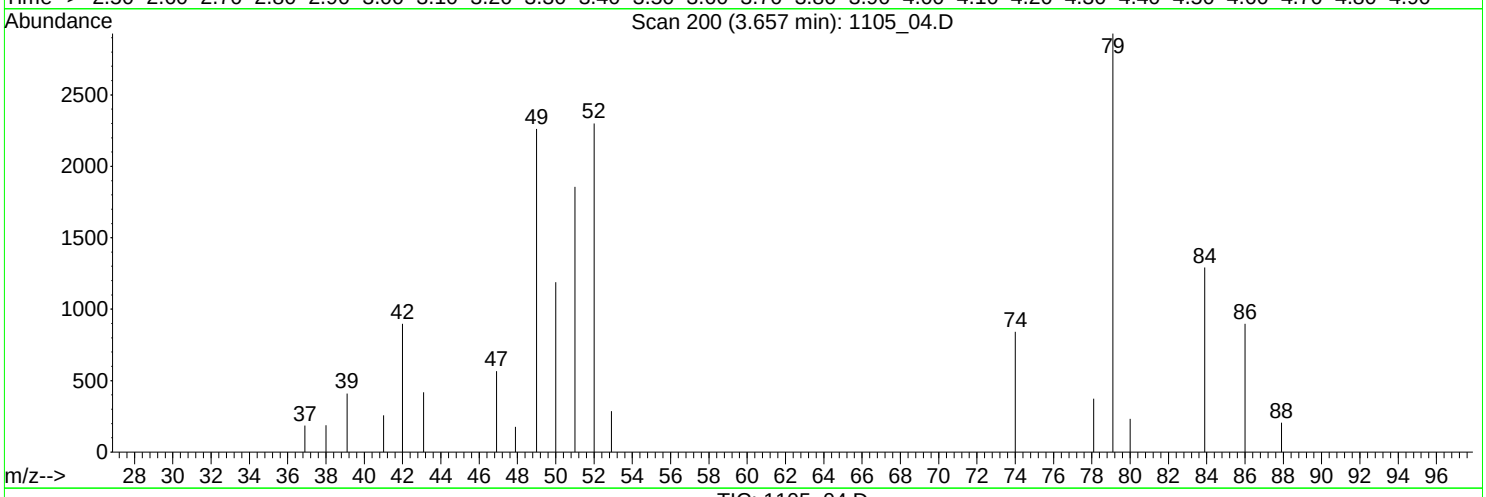
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:44 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_04.D

(2) Pyridine (TM)

3.66min (+0.035) 840.4799269 ppb m

response 10537

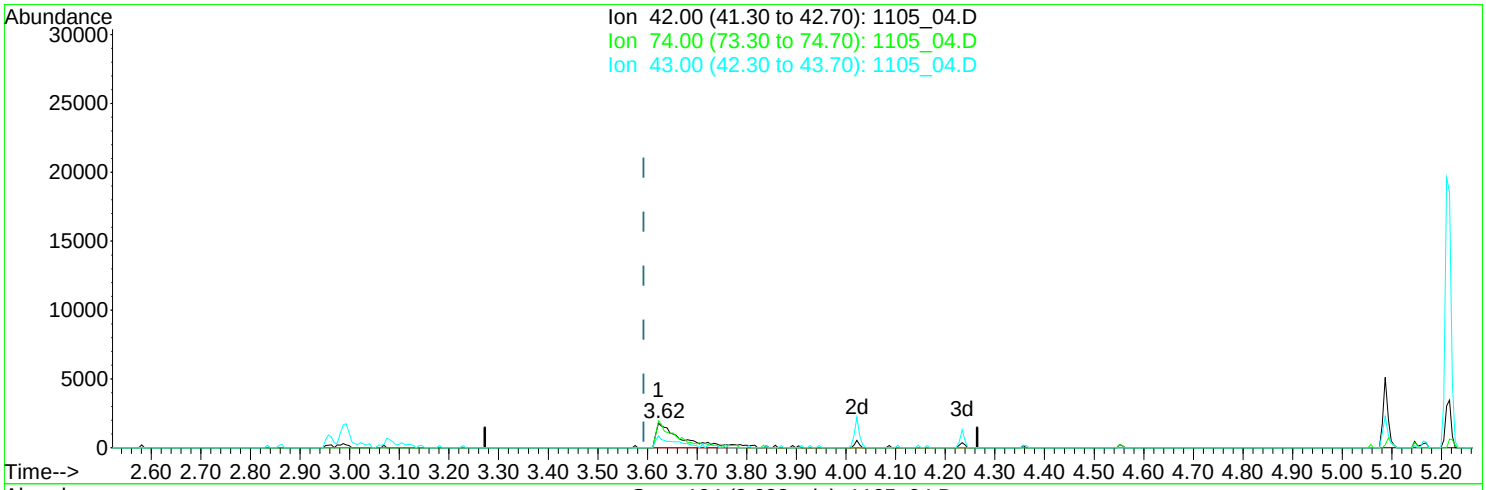
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	78.53
78.00	12.00	12.73
51.00	42.90	63.37#

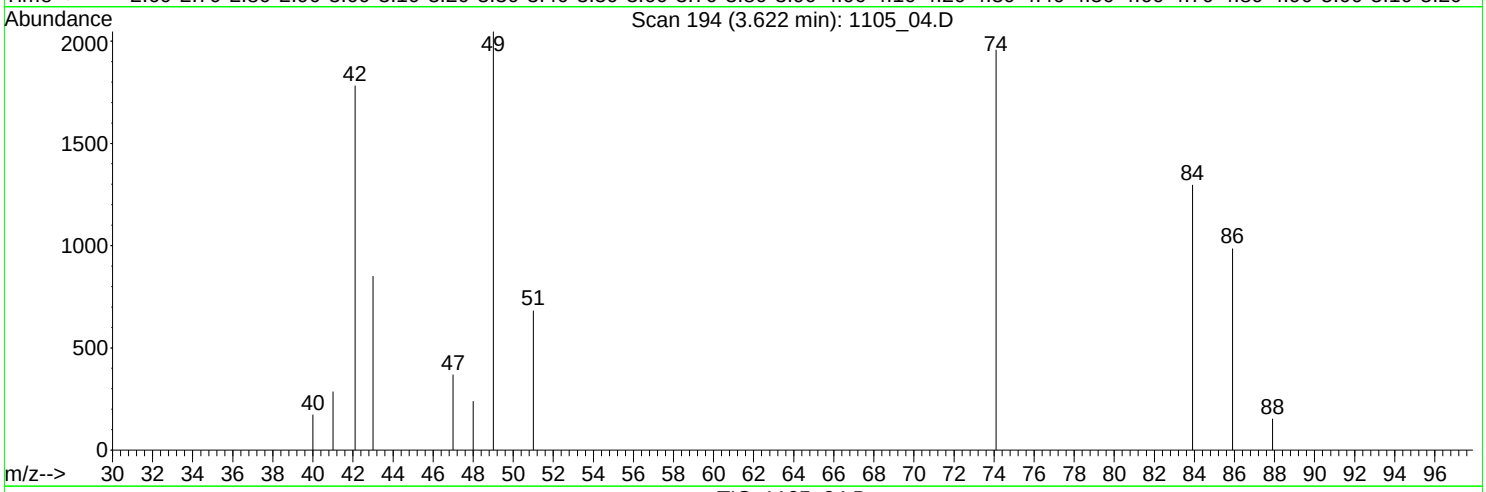
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:44 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_04.D

(3) N-Nitrosodimethylamine (MT)

3.62min (+0.029) 995.6015690 ppb m

response 7508

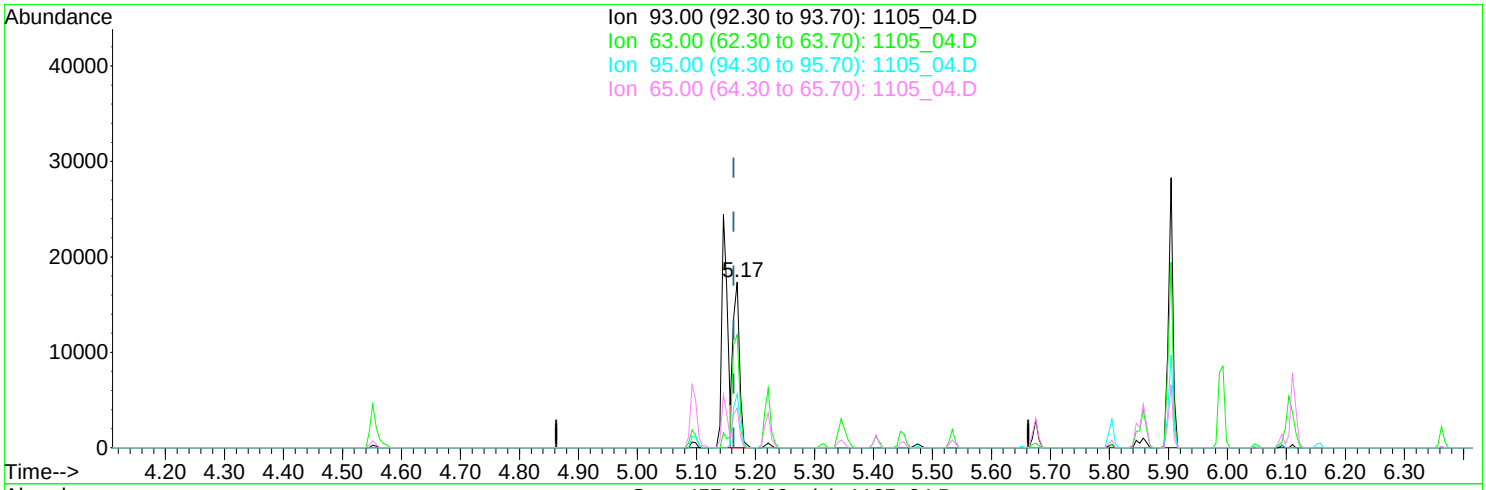
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	71.03#
43.00	39.20	29.42
0.00	0.00	0.00

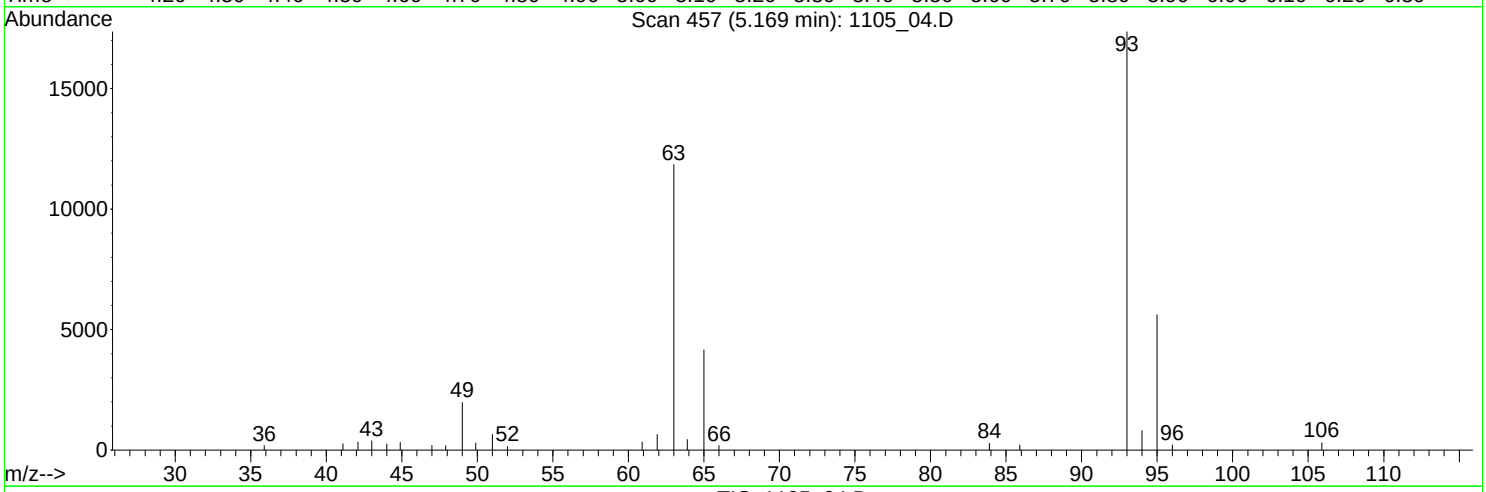
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:44 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_04.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.006) 1048.2485558 ppb m

response 13145

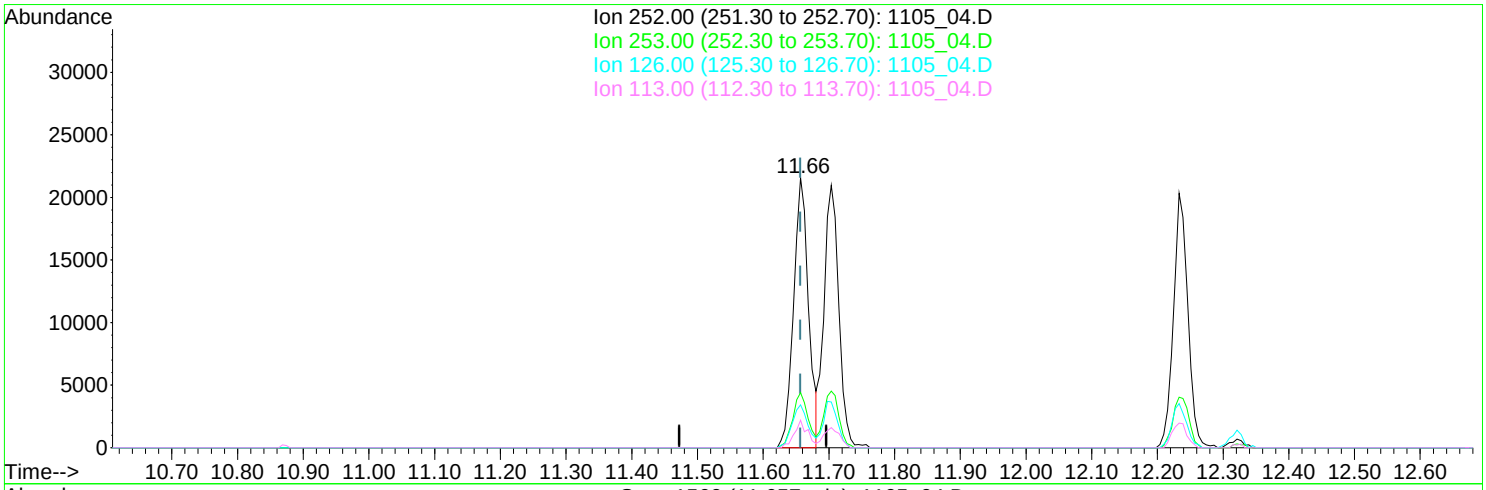
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	68.26
95.00	31.70	32.44
65.00	23.80	24.00

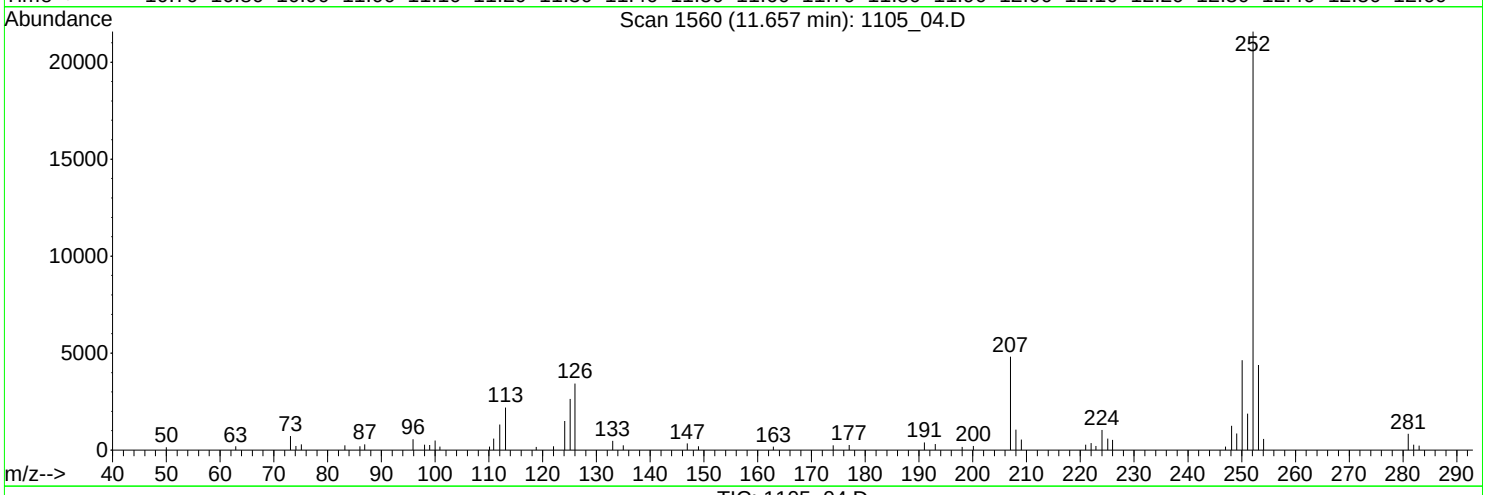
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:44 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_04.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-0.000) 1054.7539211 ppb m

response 34066

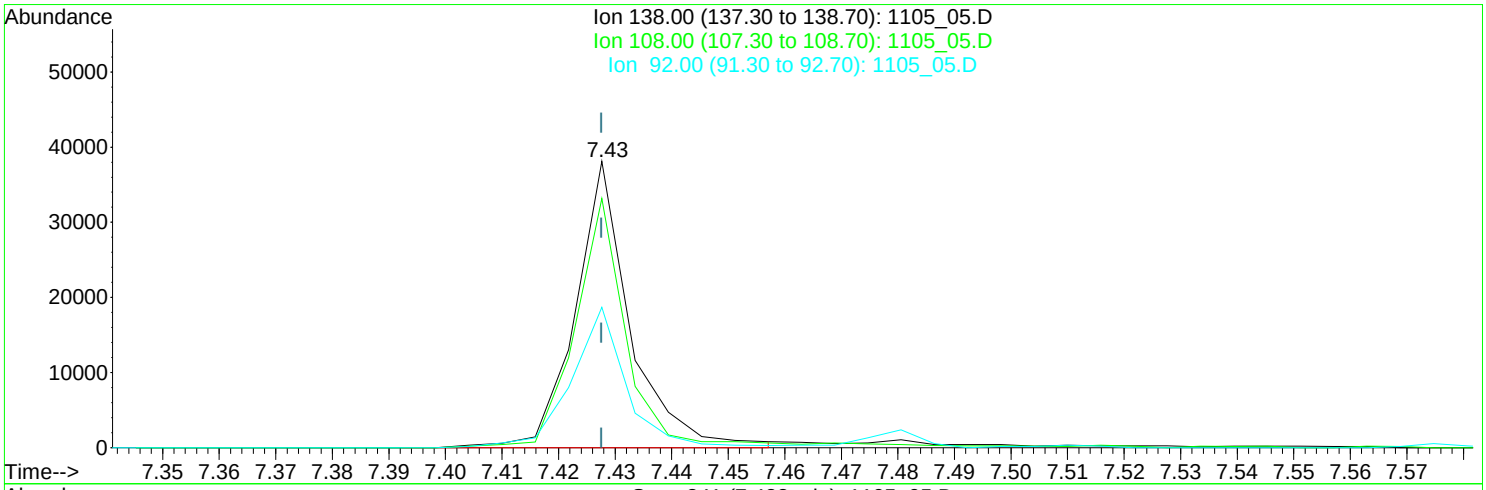
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	20.37
126.00	17.40	15.93
113.00	8.40	10.17

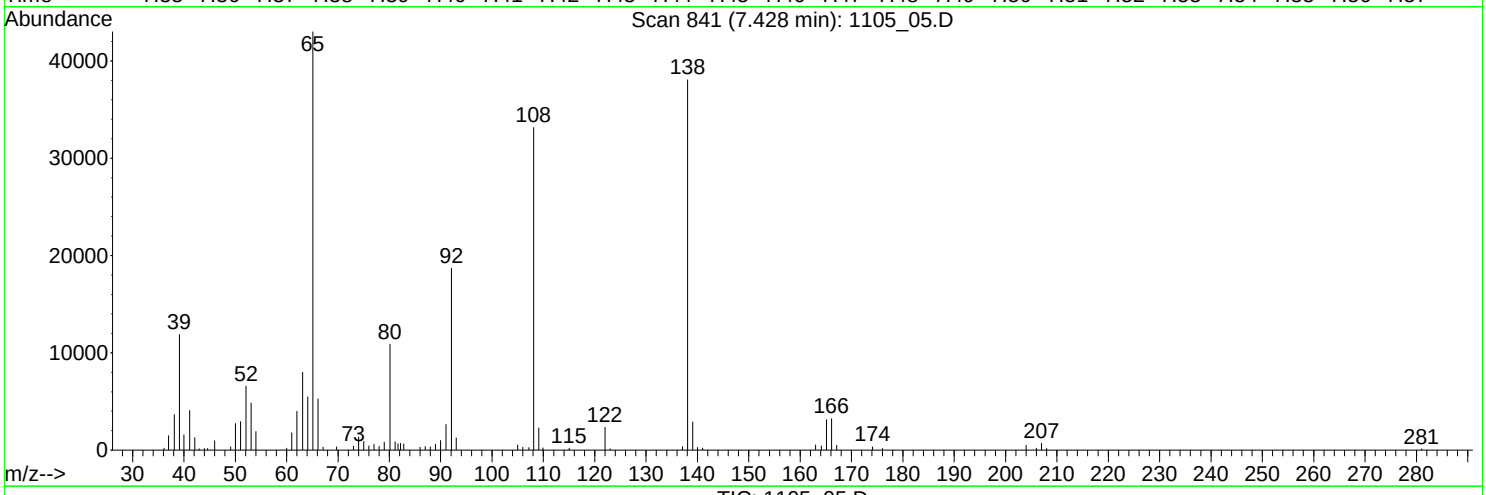
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_05.D

(61) 4-Nitroaniline (MT)

7.43min (+0.000) 5914.8075373 ppb m

response 25808

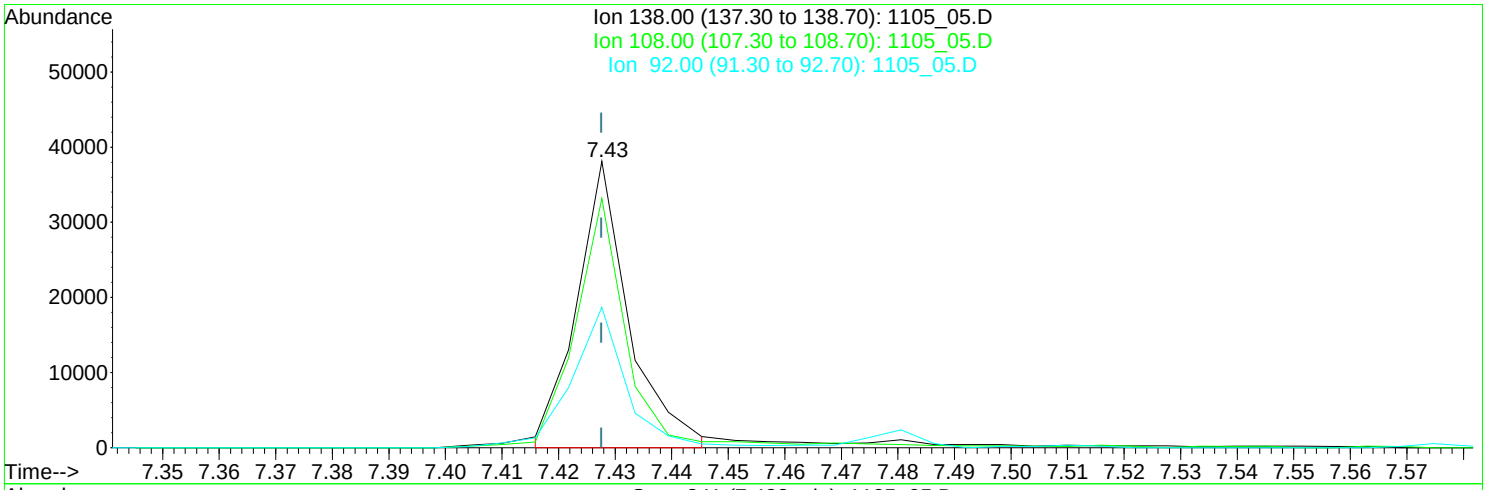
Ion	Exp%	Act%
138.00	100	100
108.00	80.70	85.62
92.00	48.80	49.91
0.00	0.00	0.00

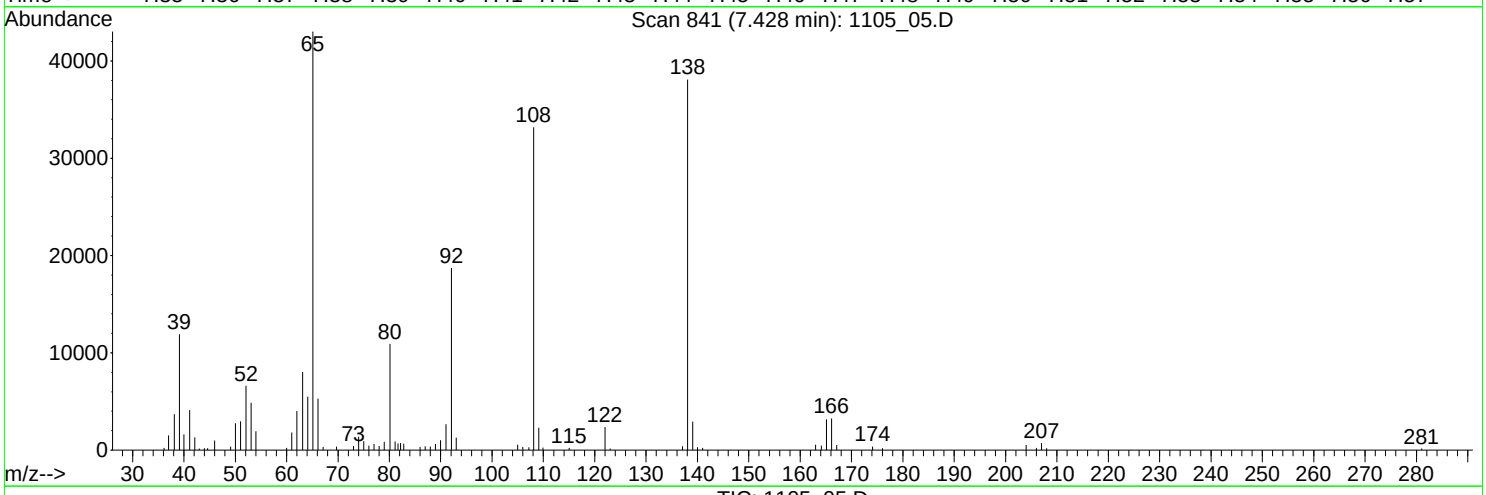
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:05 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_05.D

(61) 4-Nitroaniline (MT)

7.43min (+0.000) 5576.3012318 ppb m

response 24331

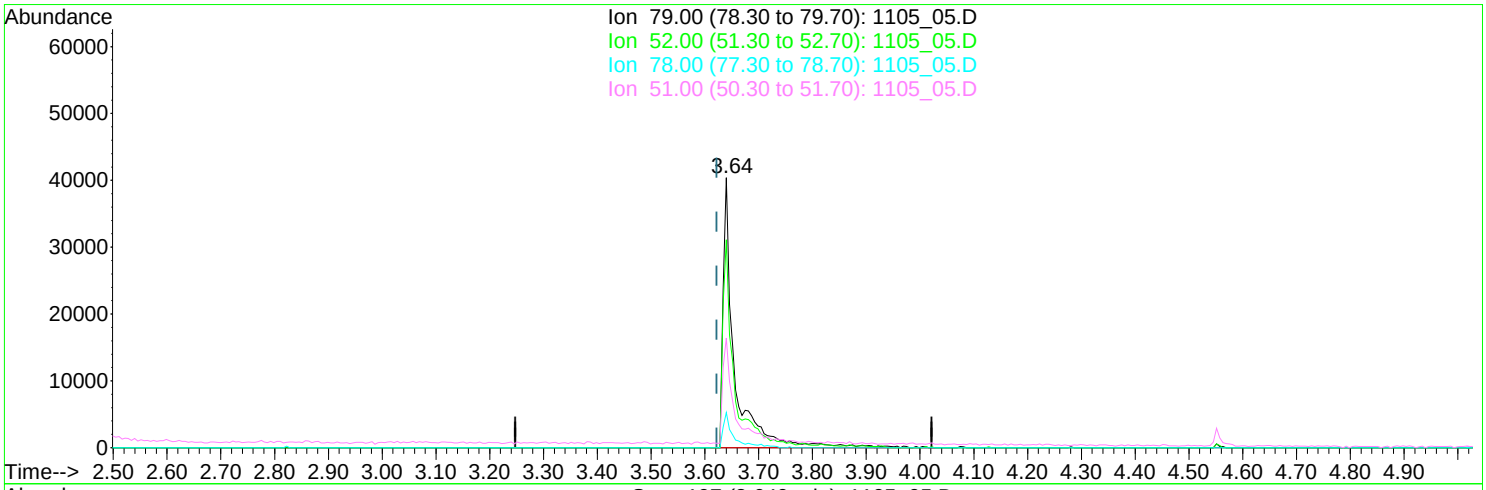
Ion	Exp%	Act%
138.00	100	100
108.00	80.70	90.82
92.00	48.80	52.94
0.00	0.00	0.00

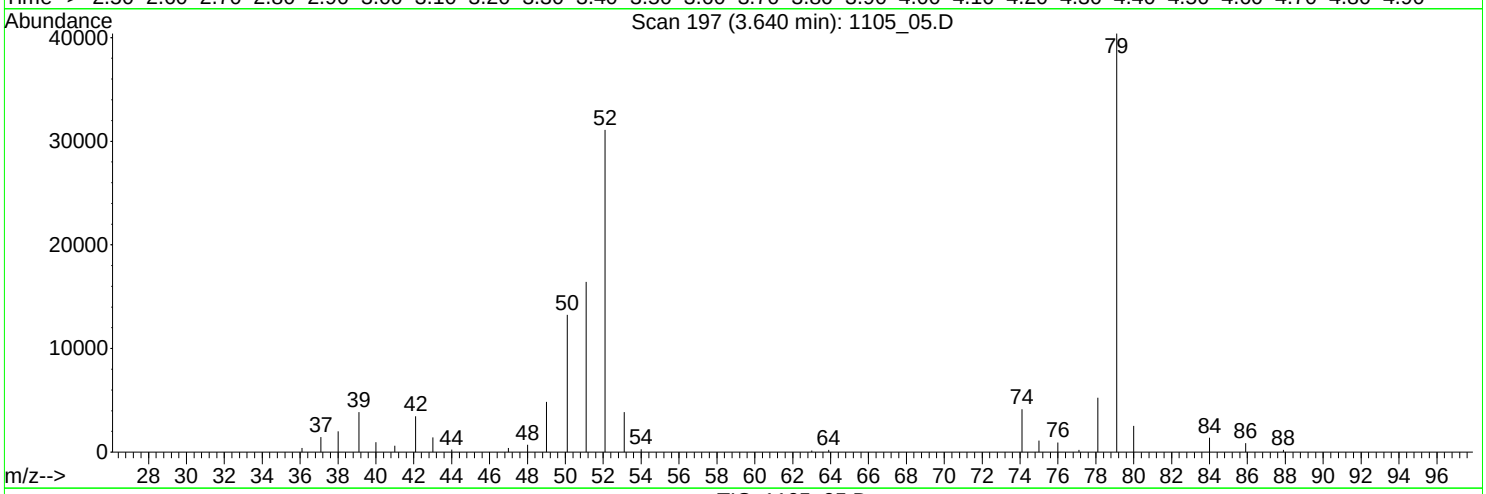
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:05 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_05.D

(2) Pyridine (TM)

3.64min (+0.018) 4751.7728399 ppb m

response 61163

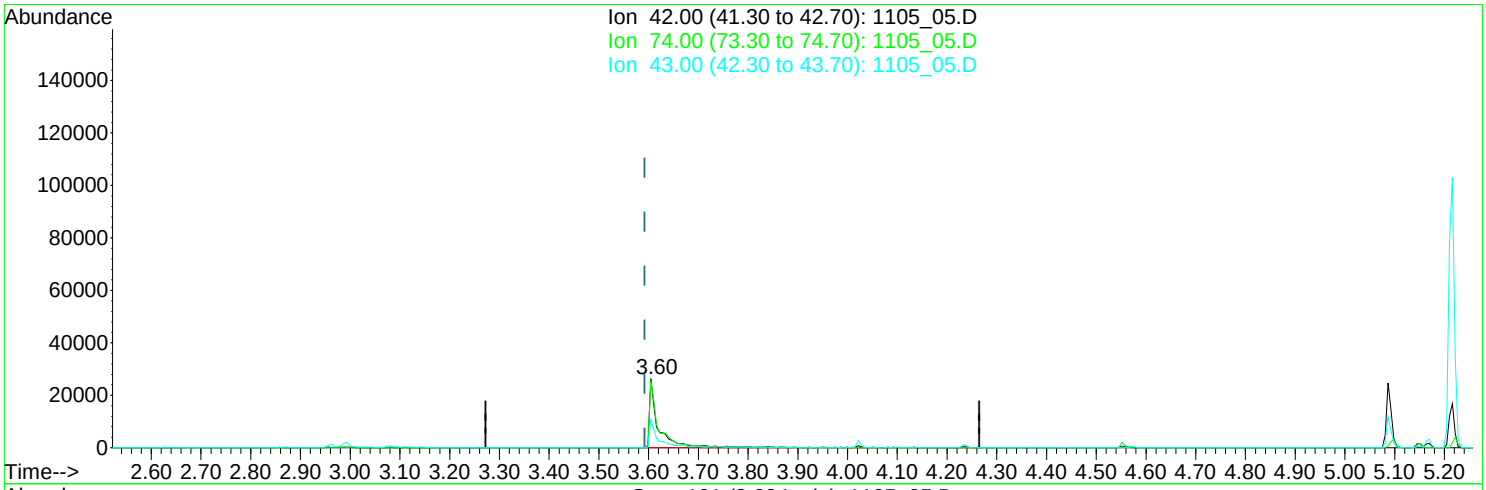
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	77.03
78.00	12.00	13.02
51.00	42.90	40.66

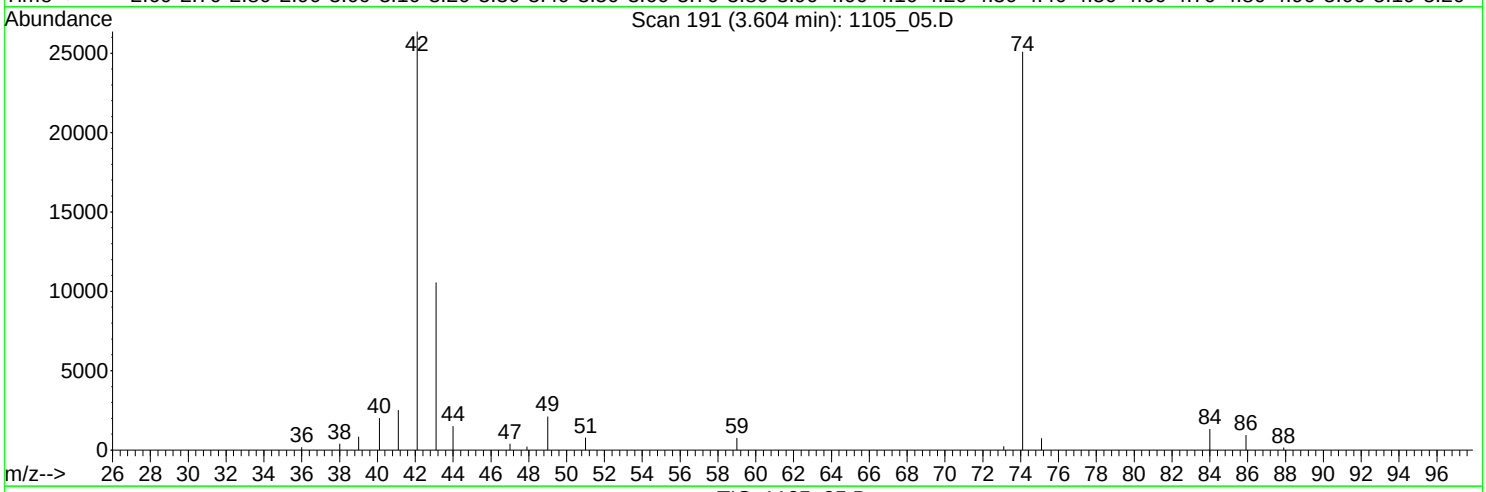
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:05 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_05.D

(3) N-Nitrosodimethylamine (MT)

3.60min (+0.012) 4812.6468675 ppb m

response 37262

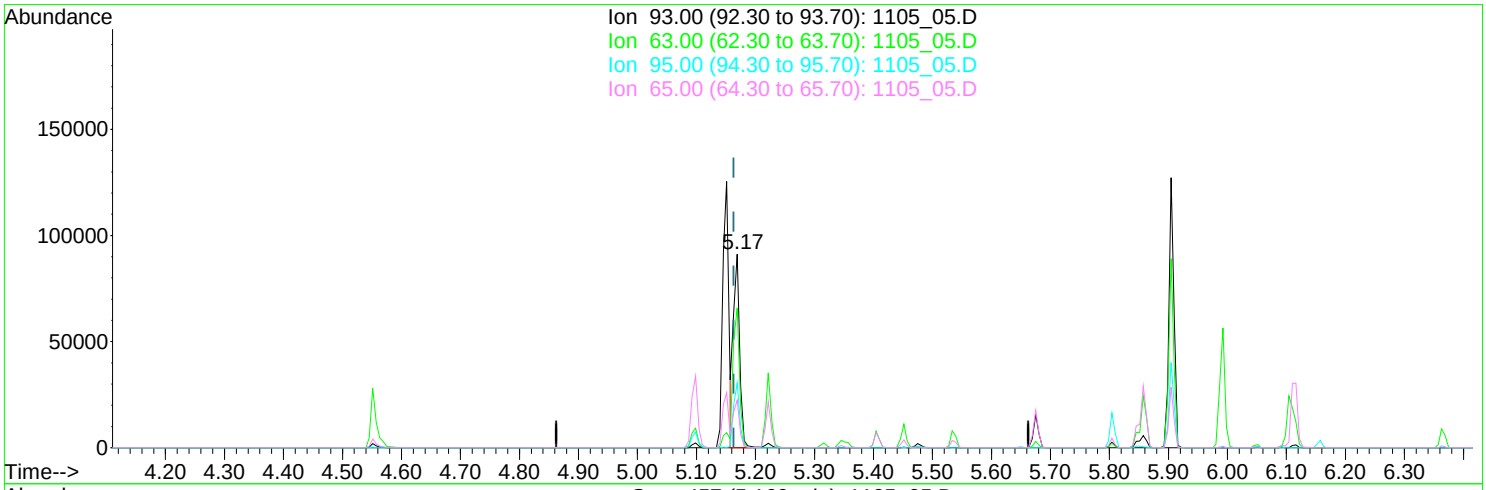
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	93.74
43.00	39.20	40.69
0.00	0.00	0.00

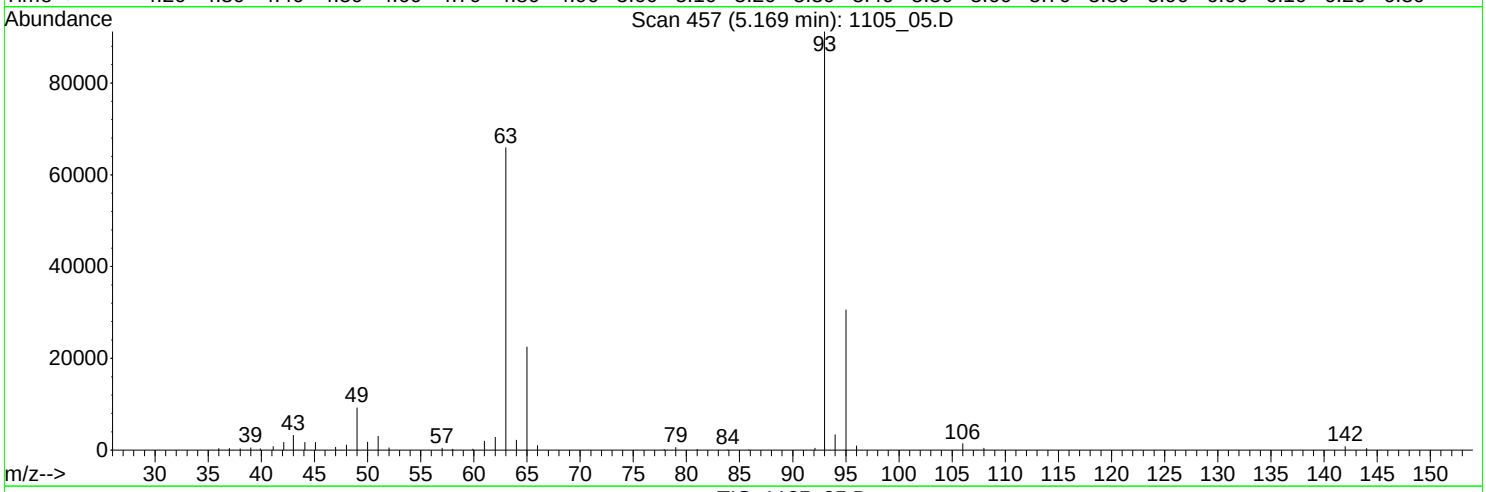
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:05 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_05.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.006) 5158.2243617 ppb m

response 66411

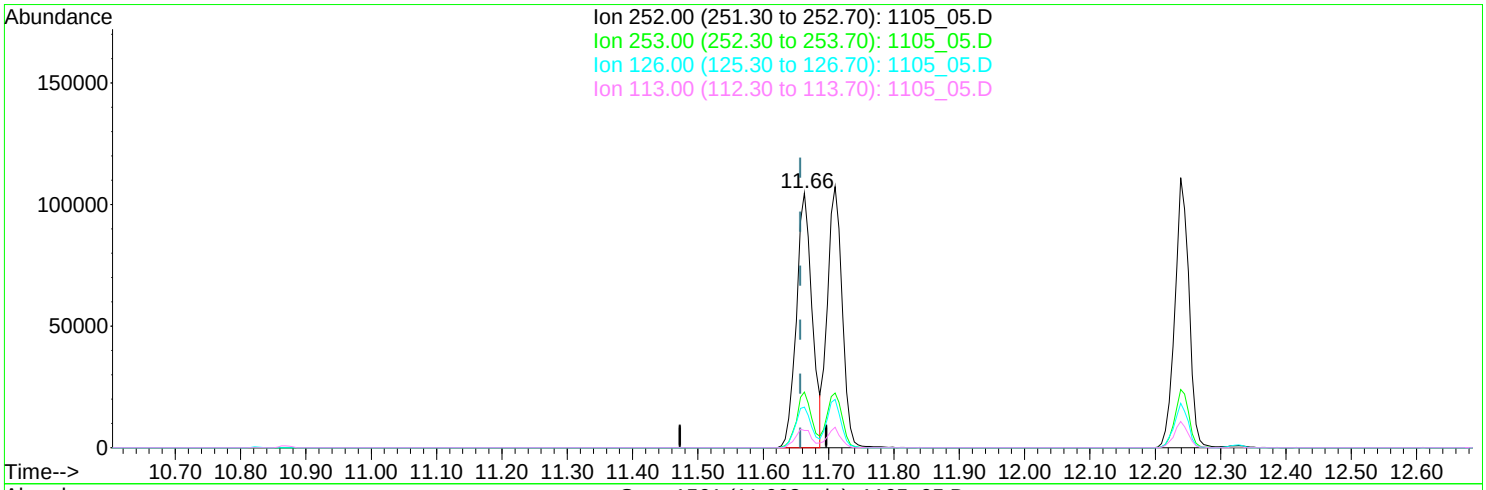
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	72.30
95.00	31.70	33.54
65.00	23.80	24.71

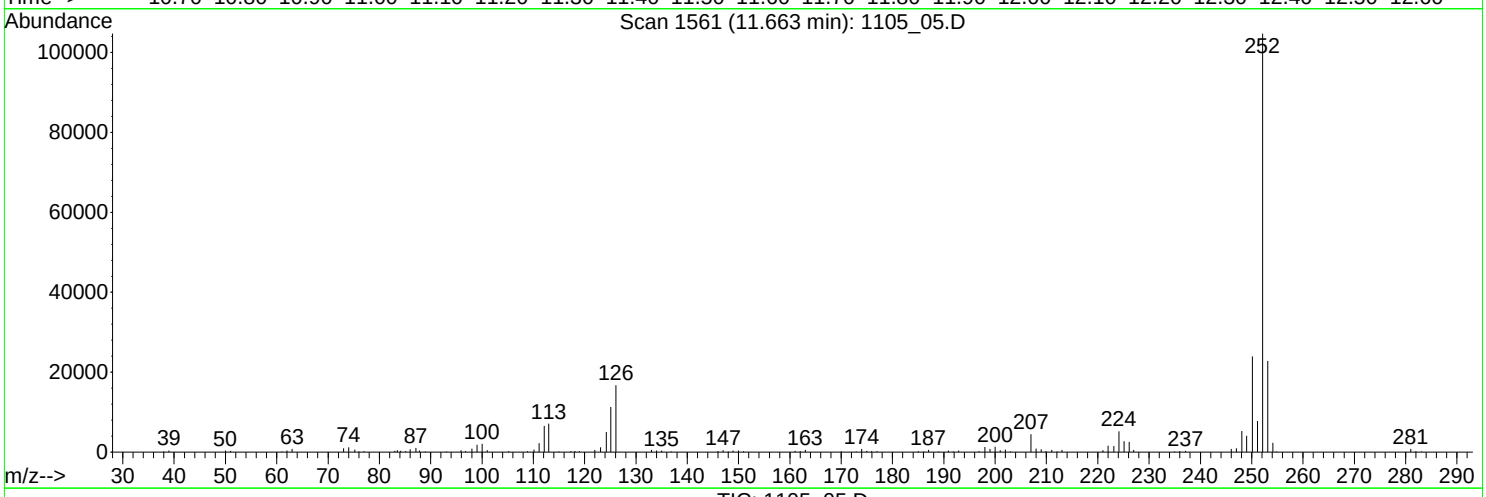
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:05 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Multiple Level Calibration





TIC: 1105_05.D

(89) Benzo(b)fluoranthene (MT)

11.66min (+0.006) 5194.6427124 ppb m

response 174388

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.81
126.00	17.40	15.95
113.00	8.40	6.80

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377
Sample : STD SVMS 5000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:05 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	71908	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	284046	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	151966	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	239243	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	217787	8000.00 ppb	0.00
88) Perylene-d12	12.32	264	227530	8000.00 ppb	-0.01

System Monitoring Compounds					
4) 2-Fluorophenol	4.55	112	57216	5052.4186127 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 25262.09%#		
7) Phenol-d5	5.09	99	68992	5248.7506140 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 26243.75%#		
23) Nitrobenzene-d5	5.66	82	80100	5057.3285412 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 50573.29%#		
44) 2-Fluorobiphenyl	6.70	172	134453	5142.6615805 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 51426.62%#		
67) 2,4,6-Tribromophenol	7.58	330	16191	5062.7118650 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 25313.56%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 53313.21%#		

Target Compounds					Qvalue
2) Pyridine	3.64	79	61163m	4751.7728399 ppb	
3) N-Nitrosodimethylamine	3.60	42	37262m	4812.6468675 ppb	
5) Aniline	5.15	93	91291	5001.8016974 ppb	100
6) bis(2-Chloroethyl)ether	5.17	93	66411m	5158.2243617 ppb	
8) Phenol	5.10	94	78381	4956.5522002 ppb	99
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.22	128	65617	5266.0329711 ppb	98
11) n-Decane	5.22	41	41276	4876.5924088 ppb	98
12) 1,3-Dichlorobenzene	5.32	146	72549	5238.8890887 ppb	97
13) 1,4-Dichlorobenzene	5.36	146	72353	5234.7468078 ppb	99
14) Benzyl Alcohol	5.40	79	55164	5120.6461600 ppb	98
15) 1,2-Dichlorobenzene	5.45	146	67852	5165.9446973 ppb	96
16) bis(2-Chloroisopropyl)ethe	5.47	121	21986	5089.6381029 ppb	100
17) 2-Methylphenol	5.45	108	58818	4965.6533925 ppb	98
18) Hexachloroethane	5.65	117	29460	5232.7524806 ppb	97
19) N-Nitrosodi-n-propylamine	5.55	70	48541	4982.3192231 ppb	96
20) 3&4-Methyl phenol	5.53	107	63985	5088.4878348 ppb	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377
Sample : STD SVMS 5000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:05 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21) Acetophenone	0.00	105	0	N.D.	d		
24) Nitrobenzene	5.67	77	71000	4966.0271877	ppb		97
25) Isophorone	5.80	82	128634	4931.9584832	ppb		95
26) 2-Nitrophenol	5.86	139	31235	5057.5885298	ppb		90
27) 2,4-Dimethylphenol	5.85	107	57717	4528.1181350	ppb		97
28) bis(2-Chlorethoxy)methane	5.90	93	76824	5168.8817326	ppb		96
29) 2,4-Dichlorophenol	5.99	162	50037	4904.3377174	ppb		99
30) Benzoic Acid	0.00	105	0	N.D.	d		
31) 1,2,4-Trichlorobenzene	6.05	180	58071	5134.5647551	ppb		99
32) Naphthalene	6.10	128	196025	5120.2580126	ppb		98
33) 4-Chloroaniline	6.12	65	25026	4943.4753750	ppb		97
34) Hexachloro-1,3-butadiene	6.16	225	34817	5221.8296276	ppb		97
35) Caprolactam	0.00	113	0	N.D.	d		
36) 4-Chloro-3-methylphenol	6.36	107	56050	4957.9372195	ppb		92
37) 2-Methylnaphthalene	6.50	142	122740	4995.8777745	ppb		99
38) 1-Methylnaphthalene	6.56	142	126933	5184.7503441	ppb		98
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41) Hexachlorocyclopentadiene	6.59	237	26168	4351.4609394	ppb		92
42) 2,4,6-Trichlorophenol	6.65	196	36745	5098.2840257	ppb		94
43) 2,4,5-Trichlorophenol	6.67	196	38954	5157.5800184	ppb		95
45) Biphenyl	6.76	154	147531	5007.6954698	ppb		99
46) 2-Chloronaphthalene	6.79	162	120887	5492.6137364	ppb		95
47) 2-Nitroaniline	6.83	138	37741	5301.6517614	ppb		95
48) Acenaphthylene	7.04	152	176729	5024.5241116	ppb		99
49) Dimethyl phthalate	6.92	163	132853	5160.8778349	ppb		92
50) 2,6-Dinitrotoluene	6.96	165	31837	5553.9344260	ppb	#	76
51) 3-Nitroaniline	7.07	138	29225	4955.8098422	ppb		98
52) Acenaphthene	7.14	153	115538	5032.0604278	ppb		99
53) 2,4-Dinitrophenol	7.13	184	5752	3788.5461687	ppb	#	69
54) Dibenzofuran	7.24	168	164386	5356.2941421	ppb		98
55) 2,4-Dinitrotoluene	7.20	165	38257	5092.9424870	ppb		92
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	d		
57) 4-Nitrophenol	7.13	139	19232	4715.5068854	ppb		95
58) Fluorene	7.44	166	134369	5117.7258019	ppb		98
59) 4-Chlorophenyl-phenylether	7.42	204	61403	5200.5803024	ppb		86
60) Diethyl phthalate	7.32	149	139216	5191.8711298	ppb		99
62) Azobenzene	7.51	77	146381	4951.5659245	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377
Sample : STD SVMS 5000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:05 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	Atrazine	0.00	200	0	N.D. d			
65)	4,6-Dinitro-2-methylphenol	7.44	198	14044	4499.0534393	ppb		90
66)	N-Nitrosodiphenylamine	7.48	169	109427	5165.6012243	ppb		99
68)	4-Bromophenyl-phenylether	7.70	248	34609	5113.0154202	ppb	#	84
69)	Hexachlorobenzene	7.76	284	40393	5235.1691897	ppb		98
70)	n-octadecane	7.84	55	25059	4786.9285286	ppb		97
71)	Pentachlorophenol	7.87	266	21055	4544.2606710	ppb		93
72)	Phenanthrene	8.01	178	192326	5430.2683836	ppb		98
73)	Anthracene	8.04	178	176787	4882.4665146	ppb		99
74)	Carbazole	8.12	167	172931	5277.5515985	ppb		99
75)	Di-n-butyl phthalate	8.26	149	236724	4904.3267251	ppb		100
76)	2-nitrodiphenylamine	0.00	167	0	N.D. d			
77)	Fluoranthene	8.75	202	202645	5112.2721514	ppb		100
79)	Benzidine	0.00	184	0	N.D.			
80)	Pyrene	8.93	202	200928	5171.0318140	ppb		99
82)	Benzylbutyl phthalate	9.37	149	99966	5029.3148625	ppb		98
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.			
84)	Benzo(a)anthracene	10.07	228	172536	5168.3924935	ppb		99
85)	Chrysene	10.12	228	164481	5205.5469426	ppb		99
86)	bis(2-Ethylhexyl)phthalate	9.95	149	147613	5038.6628916	ppb		99
87)	Di-n-octyl phthalate	10.87	149	247539	5023.0876404	ppb		100
89)	Benzo(b)fluoranthene	11.66	252	174388m	5194.6427124	ppb		
90)	Benzo(k)fluoranthene	11.71	252	168418	5260.0583136	ppb		97
91)	Benzo(a)pyrene	12.24	252	168285	5242.5190184	ppb		98
92)	Indeno(1,2,3-cd)pyrene	14.06	276	181383	5041.5516010	ppb		96
94)	Benzo(g,h,i)perylene	14.58	276	154514	4984.4234536	ppb		99

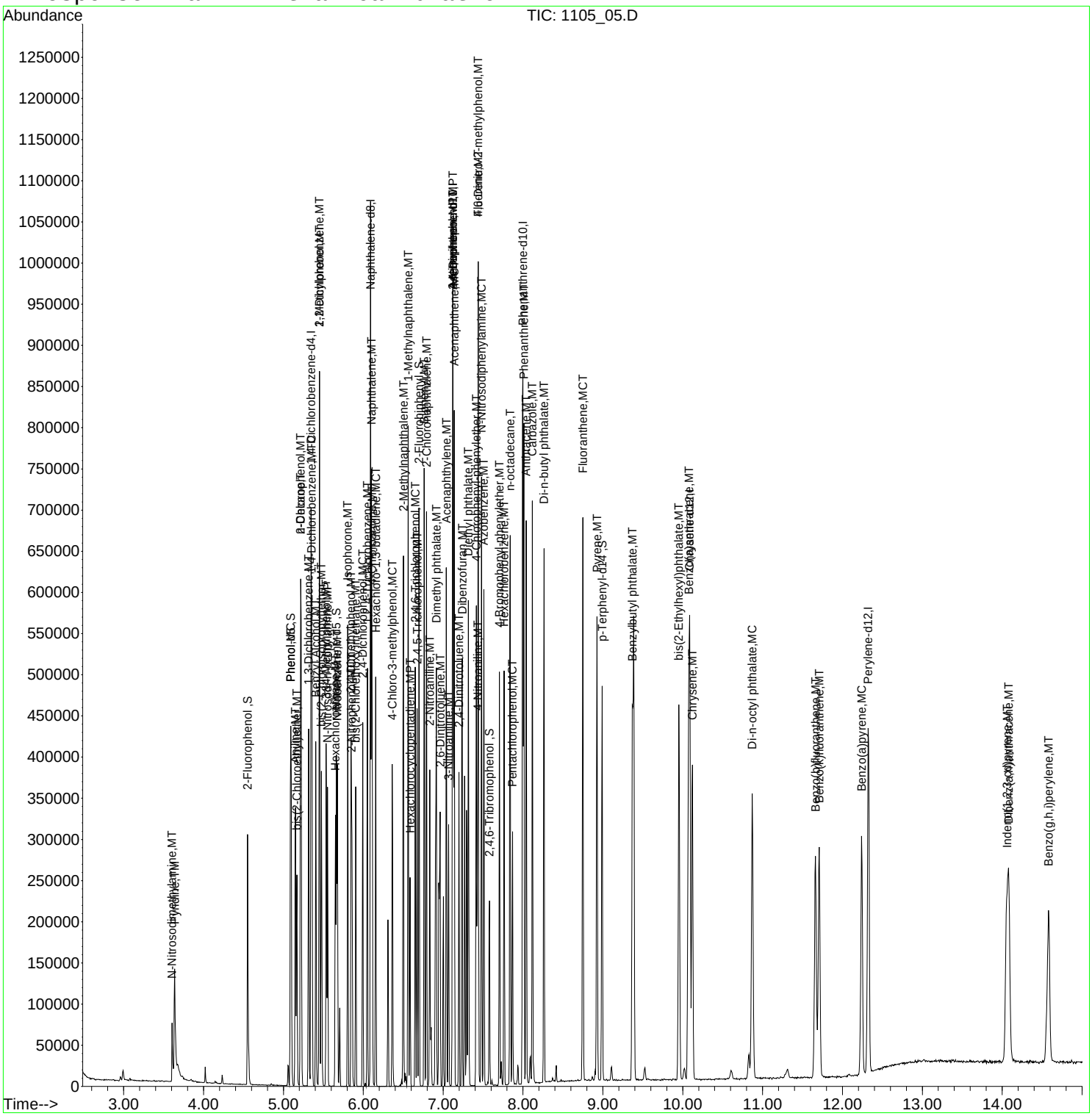
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_05.D Vial: 5
Acq On : 5 Nov 2011 1:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:05 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:50:01 2011
Response via : Initial Calibration

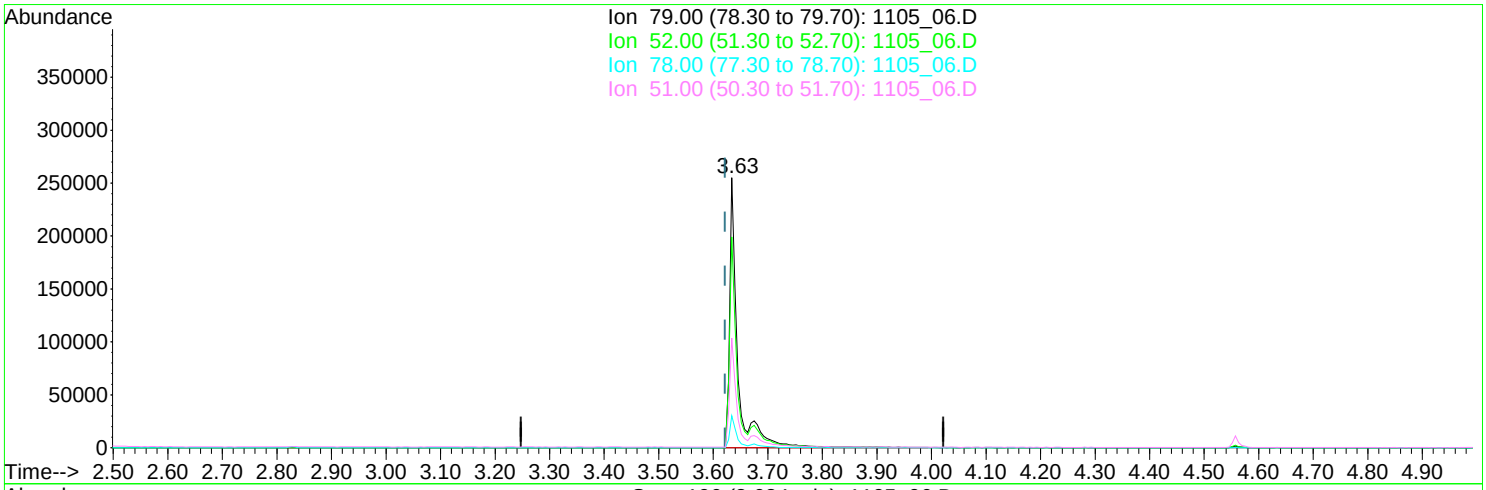


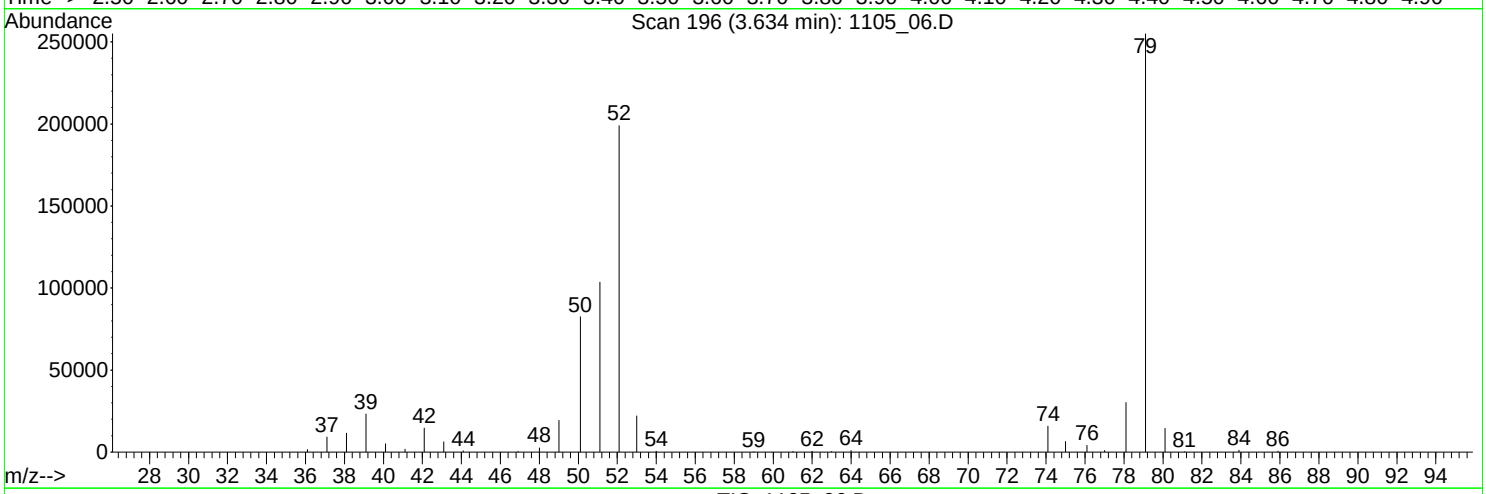
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:22 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(2) Pyridine (TM)

3.63min (+0.012) 20831.3423076 ppb

Qvalue = 96

response 272548

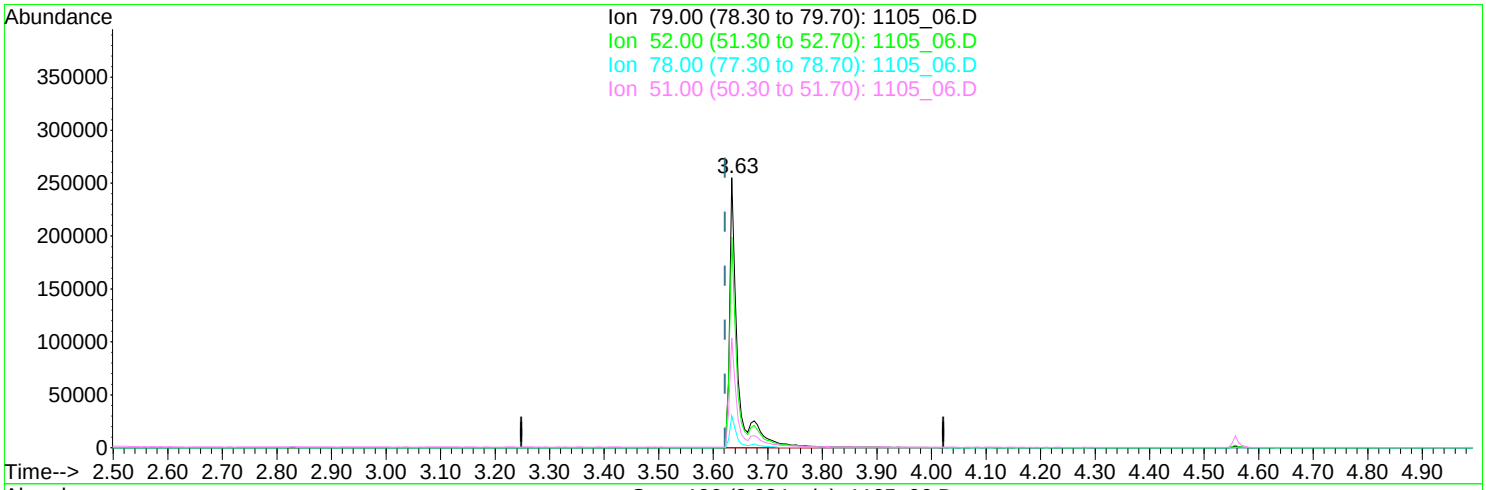
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	78.07
78.00	12.00	11.91
51.00	42.90	40.42

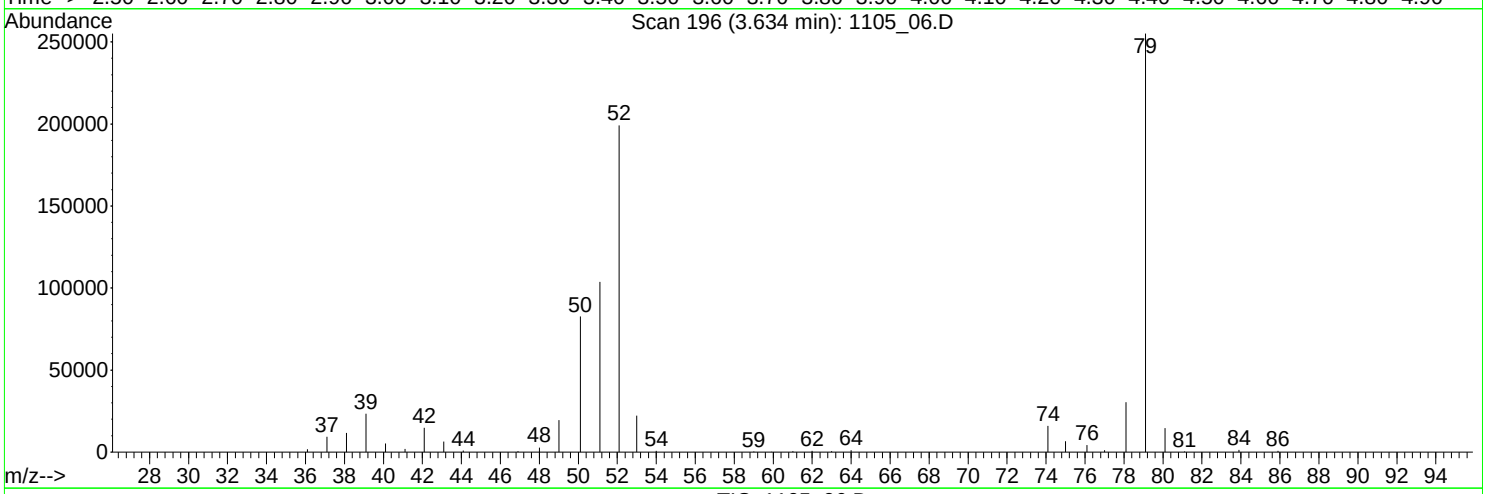
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:06 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(2) Pyridine (TM)

3.63min (+0.012) 20865.6601991 ppb m

response 272997

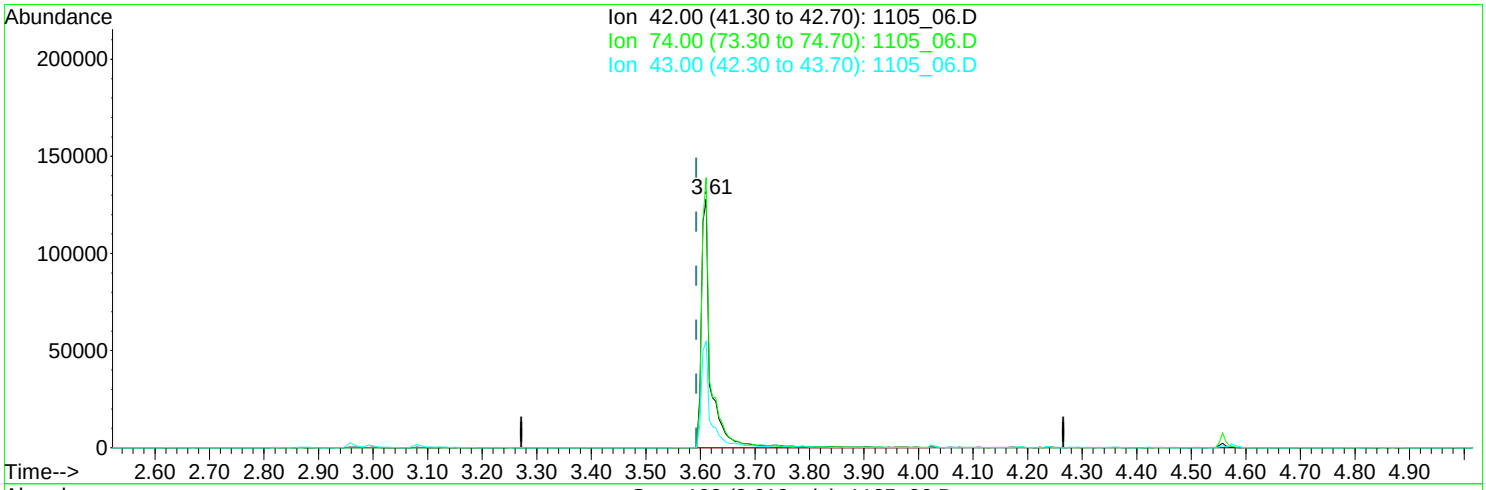
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	78.07
78.00	12.00	11.91
51.00	42.90	40.64

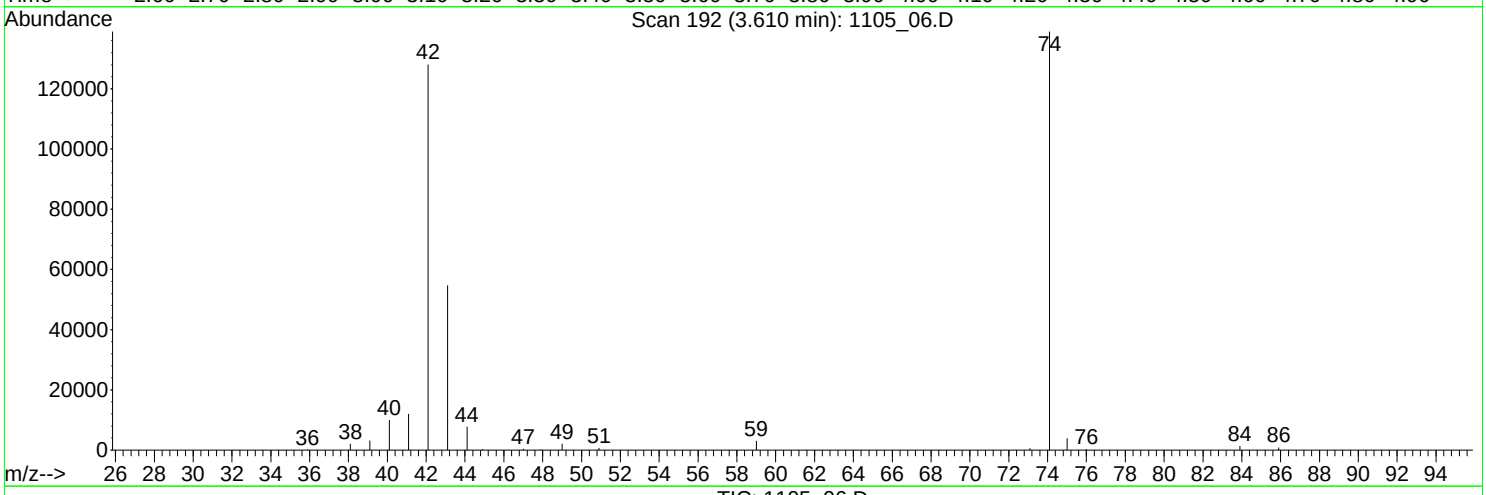
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:06 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(3) N-Nitrosodimethylamine (MT)

3.61min (+0.018) 19792.2459088 ppb

Qvalue = 93

response 155765

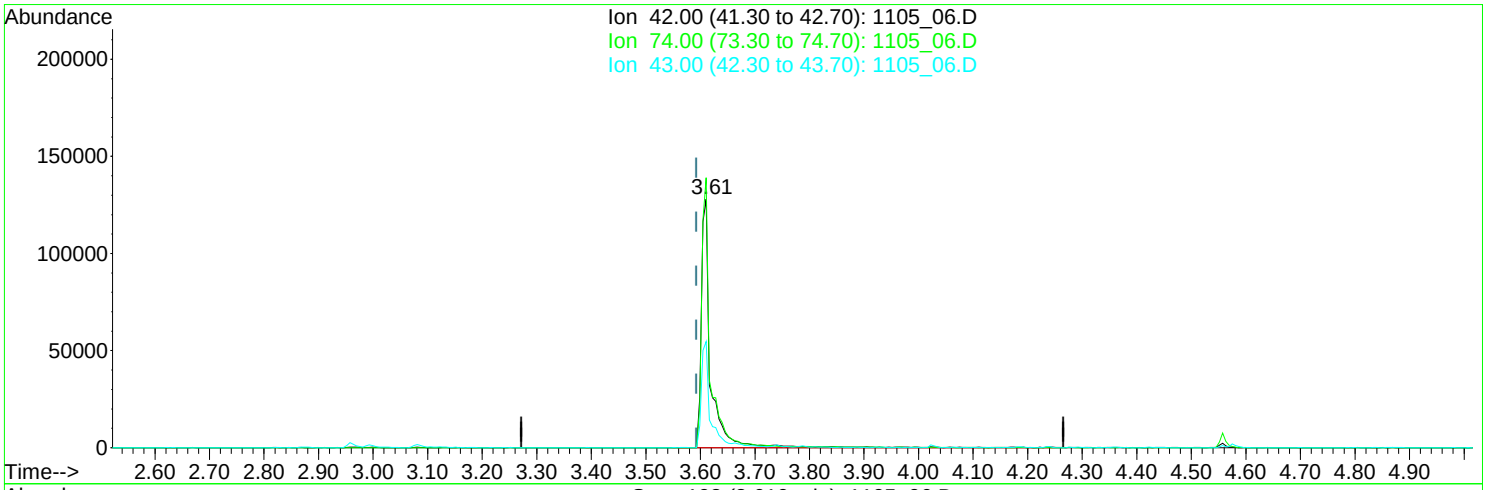
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	103.24
43.00	39.20	43.07
0.00	0.00	0.00

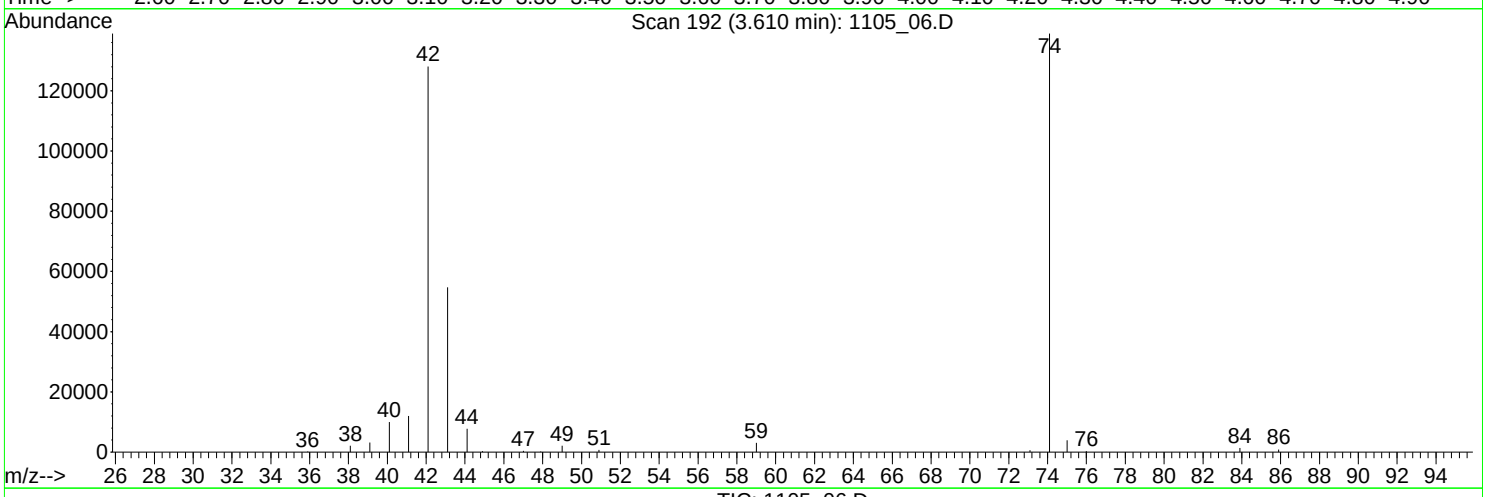
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:07 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(3) N-Nitrosodimethylamine (MT)

3.61min (+0.018) 20203.8087407 ppb m

response 159004

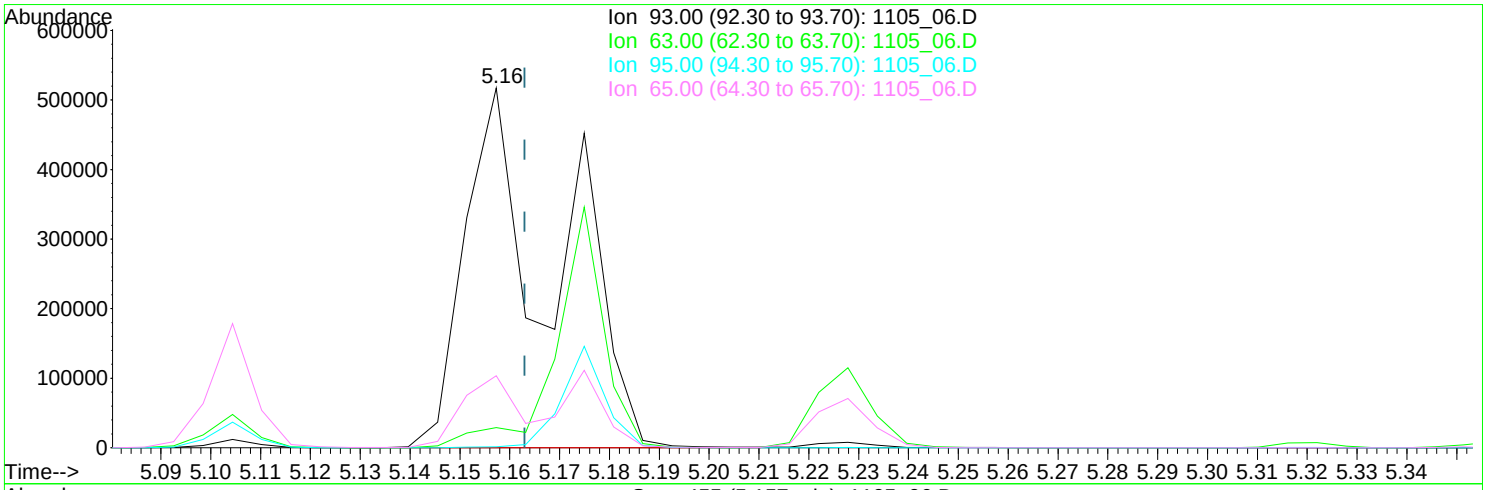
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	101.13
43.00	39.20	42.19
0.00	0.00	0.00

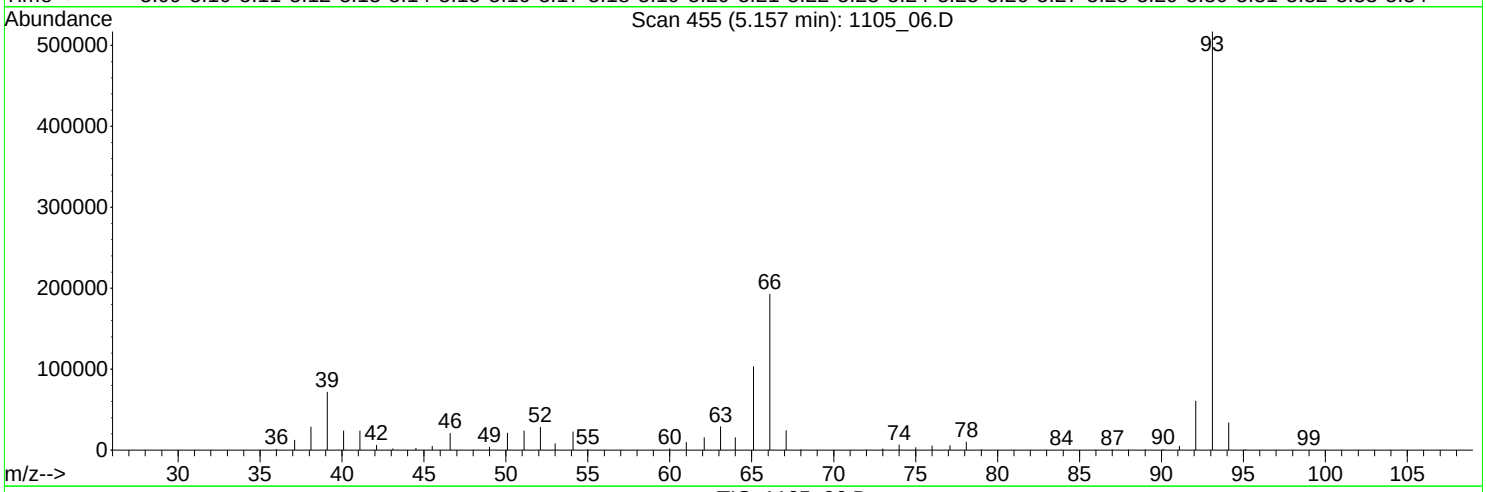
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:07 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(6) bis(2-Chloroethyl)ether (MT)

5.16min (-0.006) 49856.7686094 ppb

Qvalue = 39

response 652464

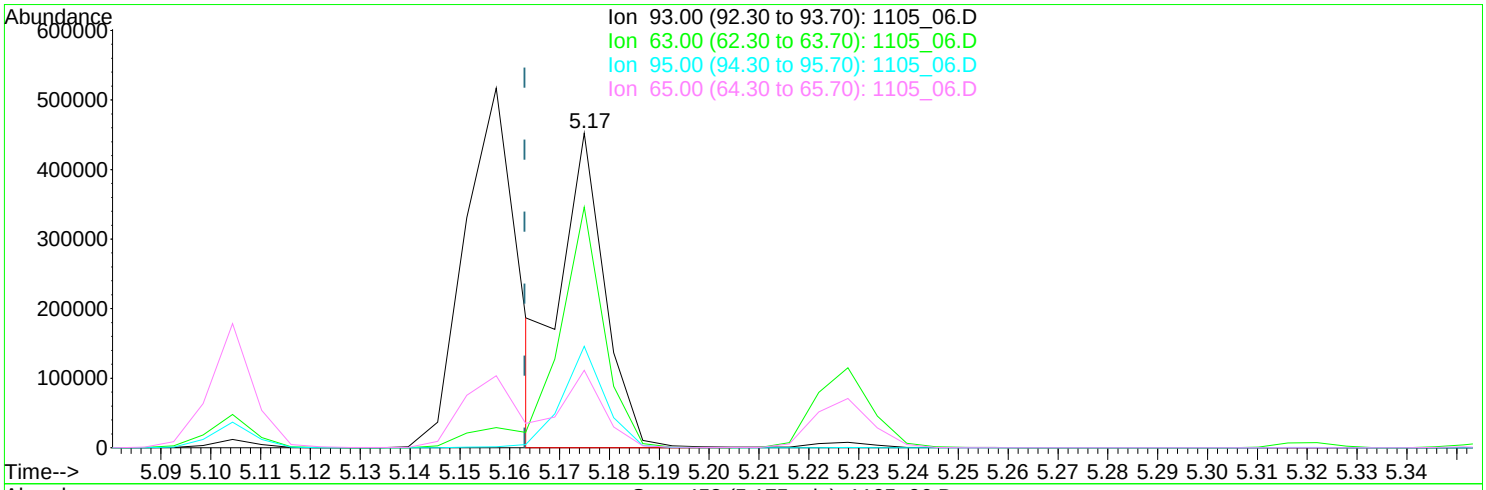
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	5.65#
95.00	31.70	0.25#
65.00	23.80	19.89

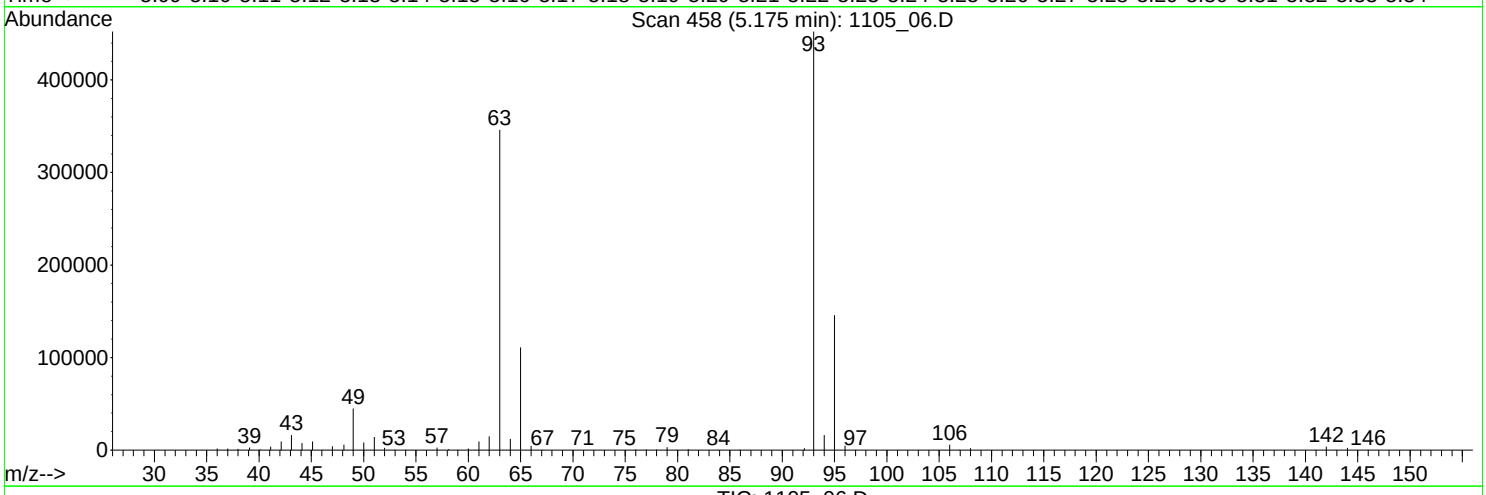
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:07 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.012) 20910.8914370 ppb m

response 273656

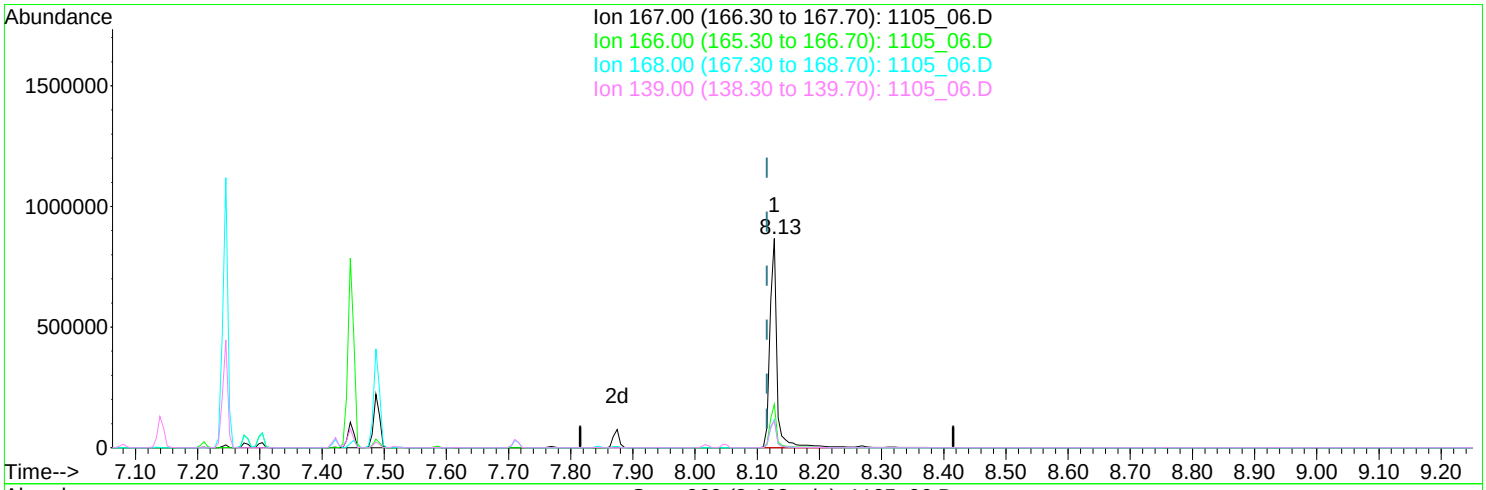
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	76.52
95.00	31.70	32.28
65.00	23.80	24.58

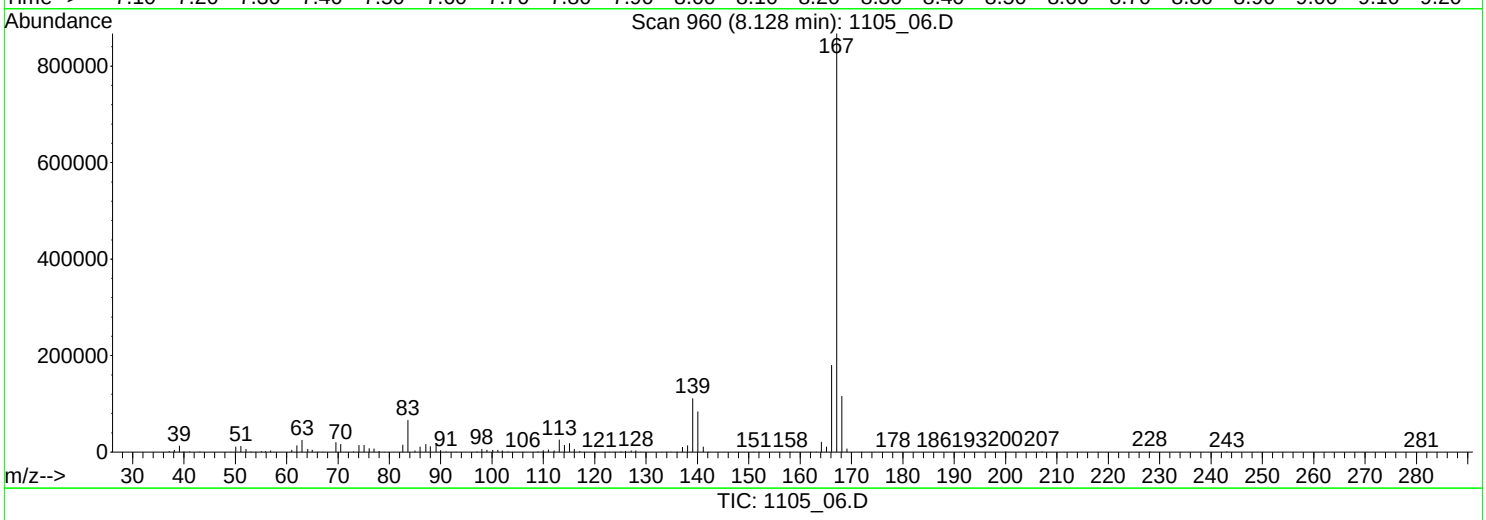
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:07 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





(74) Carbazole (MT)

8.13min (+0.012) 19337.4490973 ppb

Qvalue = 99

response 679550

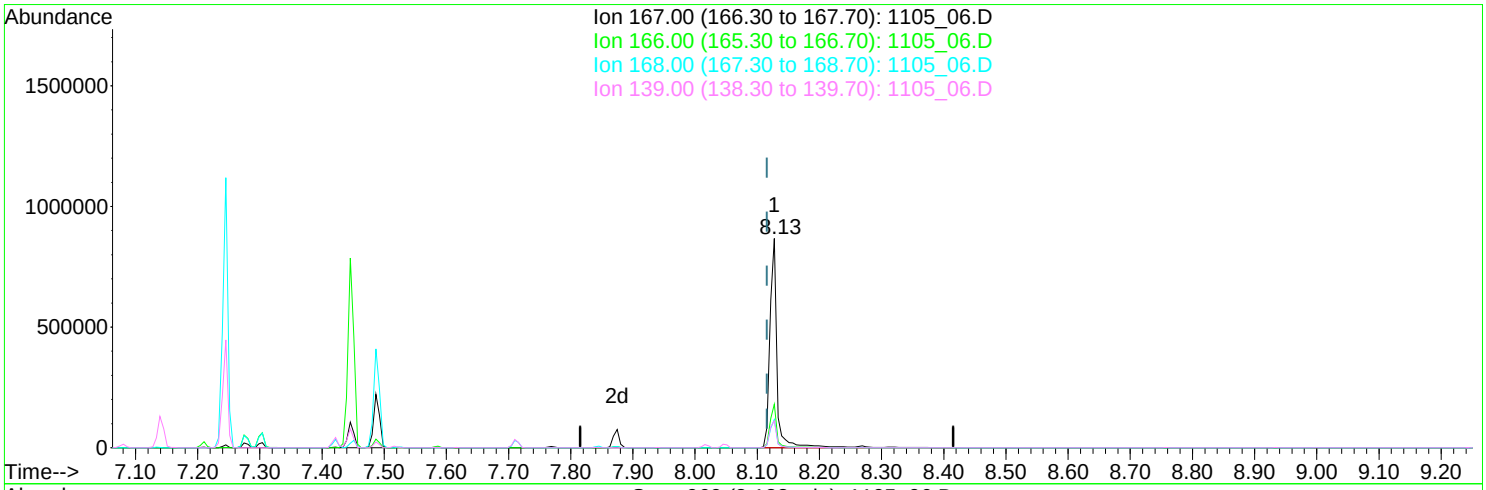
Ion	Exp%	Act%
167.00	100	100
166.00	20.30	20.93
168.00	13.00	13.46
139.00	13.10	13.90

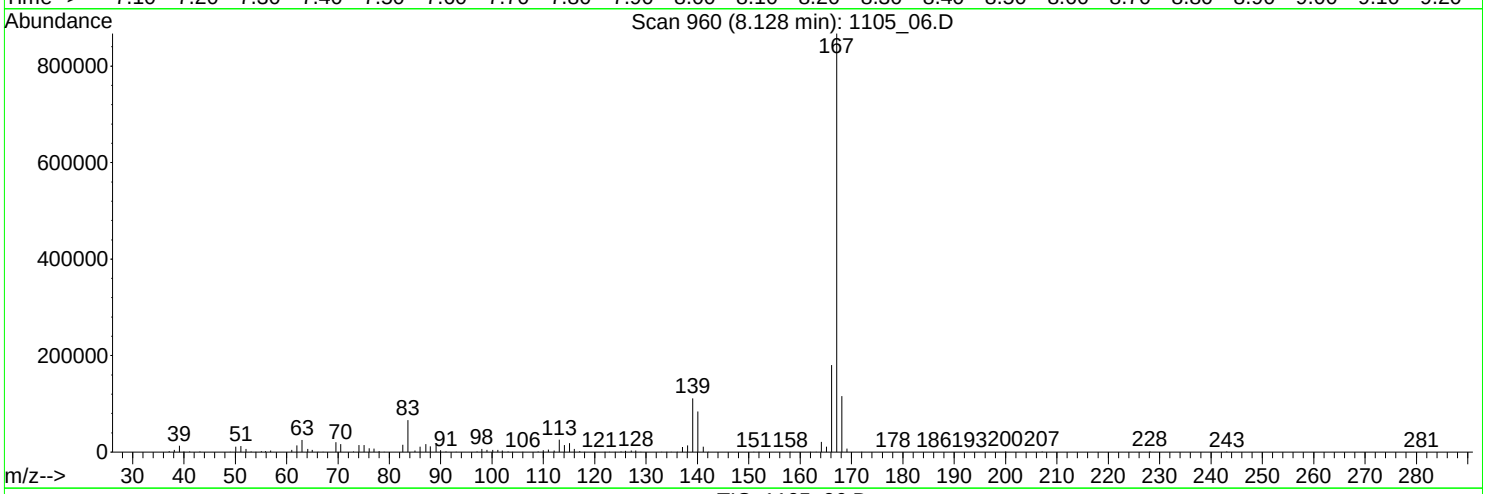
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:08 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





(74) Carbazole (MT)

8.13min (+0.012) 19841.2955747 ppb m

response 697256

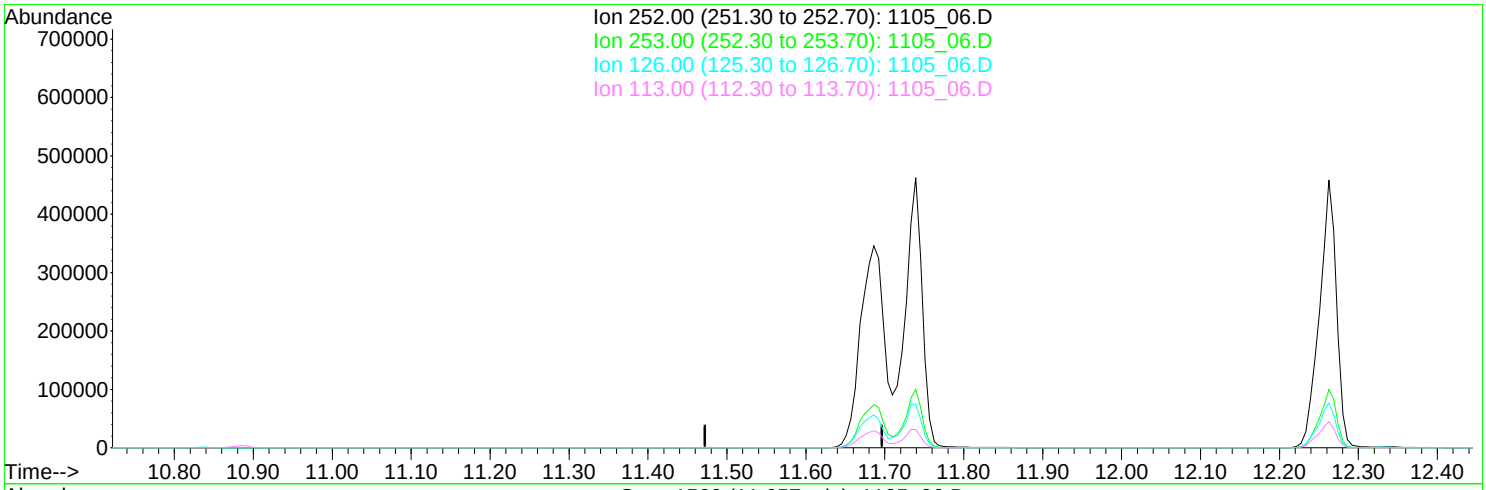
Ion	Exp%	Act%
167.00	100	100
166.00	20.30	20.40
168.00	13.00	13.12
139.00	13.10	13.54

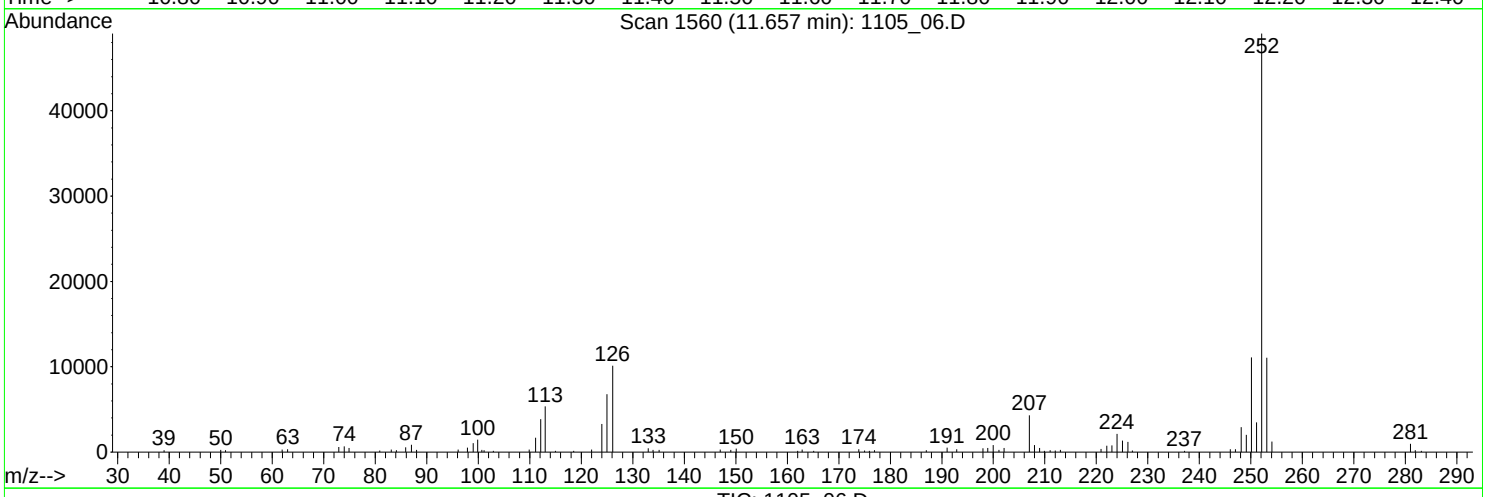
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:08 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

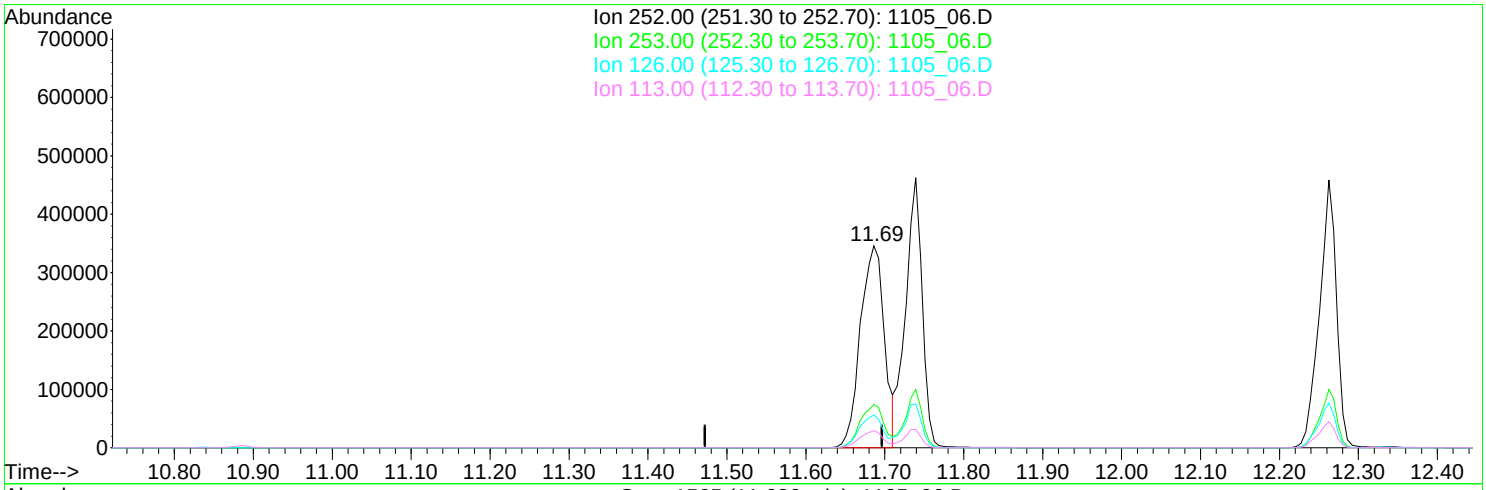
Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

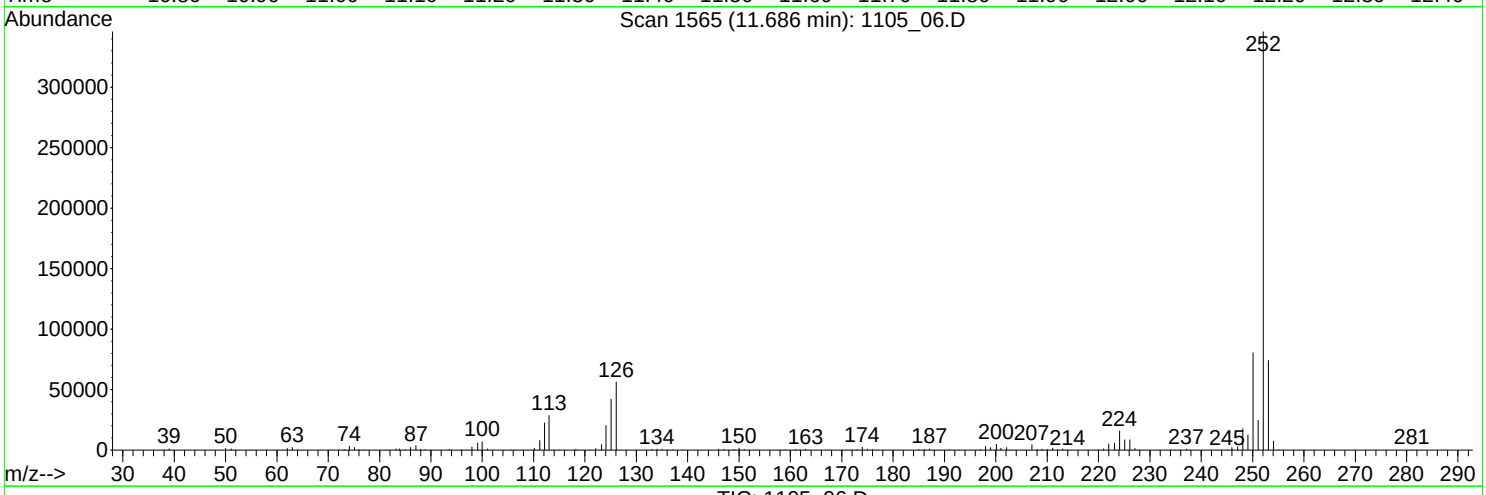
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:08 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:06:41 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(89) Benzo(b)fluoranthene (MT)

11.69min (+0.030) 21712.0143937 ppb m

response 729449

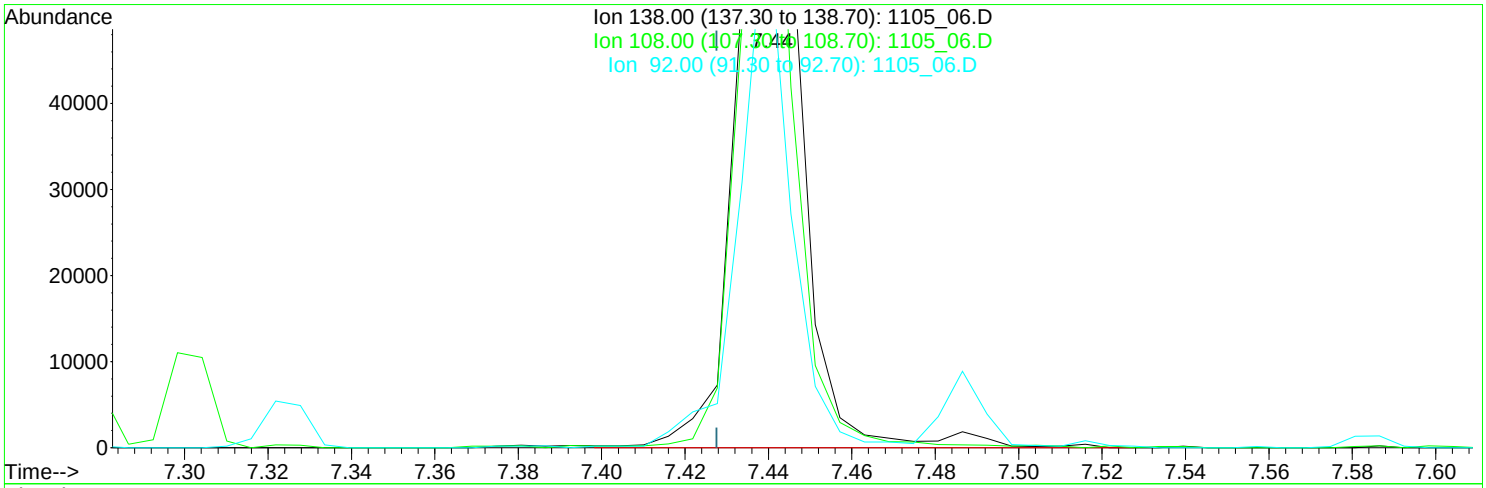
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.46
126.00	17.40	16.34
113.00	8.40	8.36

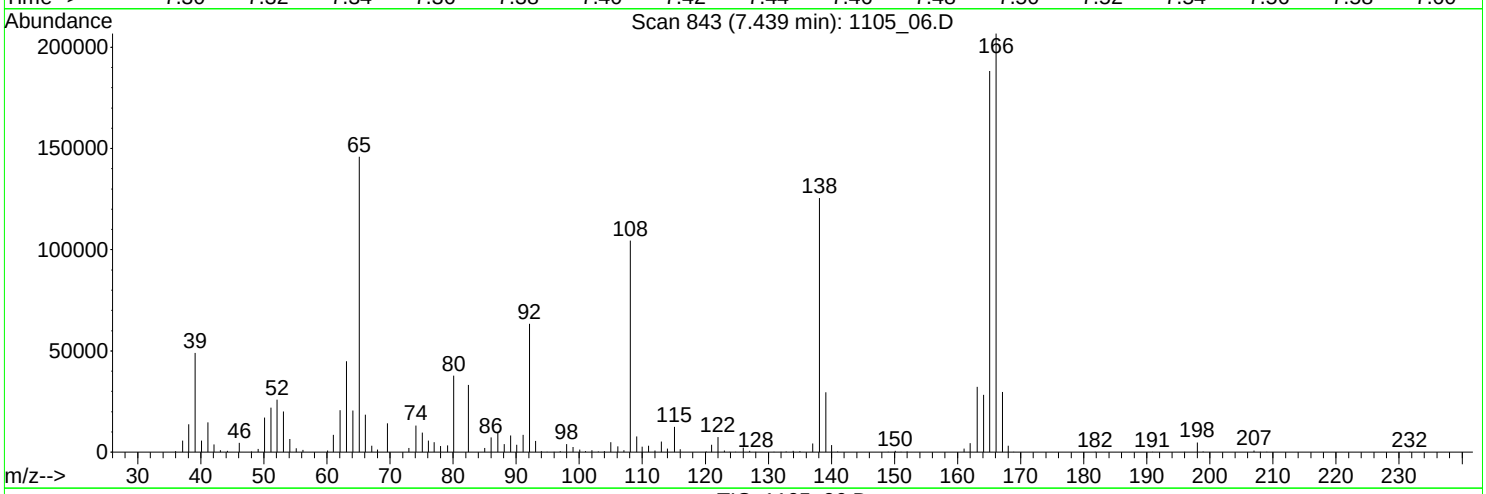
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:08 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:08:43 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(61) 4-Nitroaniline (MT)

7.44min (+0.012) 22137.8103522 ppb

Qvalue = 98

response 97903

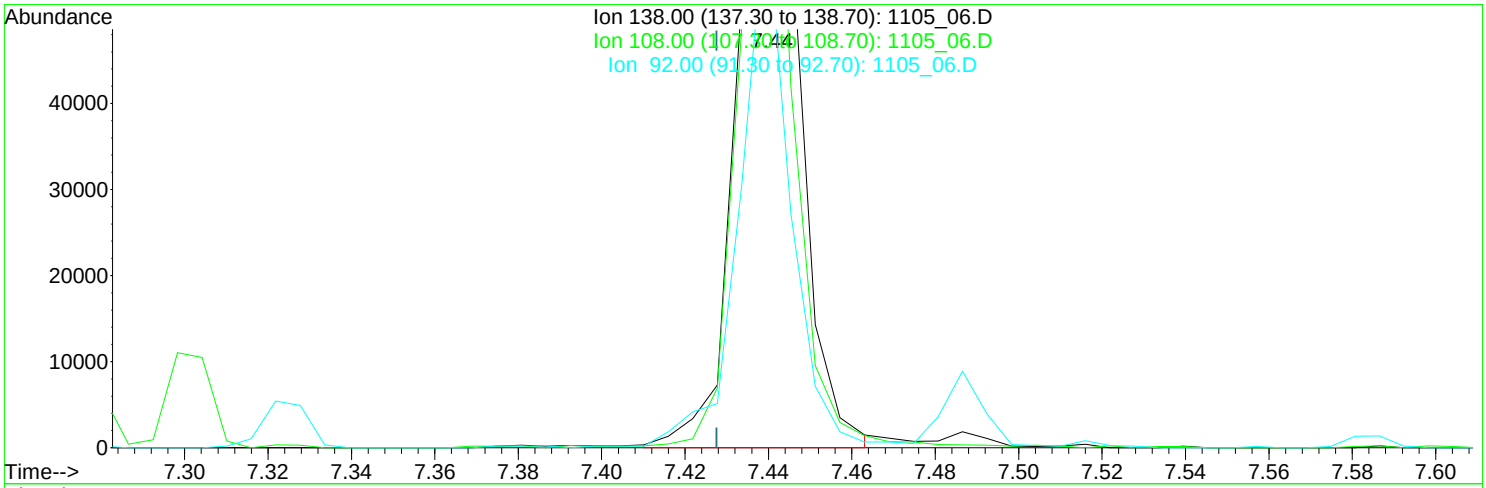
Ion	Exp%	Act%
138.00	100	100
108.00	80.70	79.81
92.00	48.80	51.85
0.00	0.00	0.00

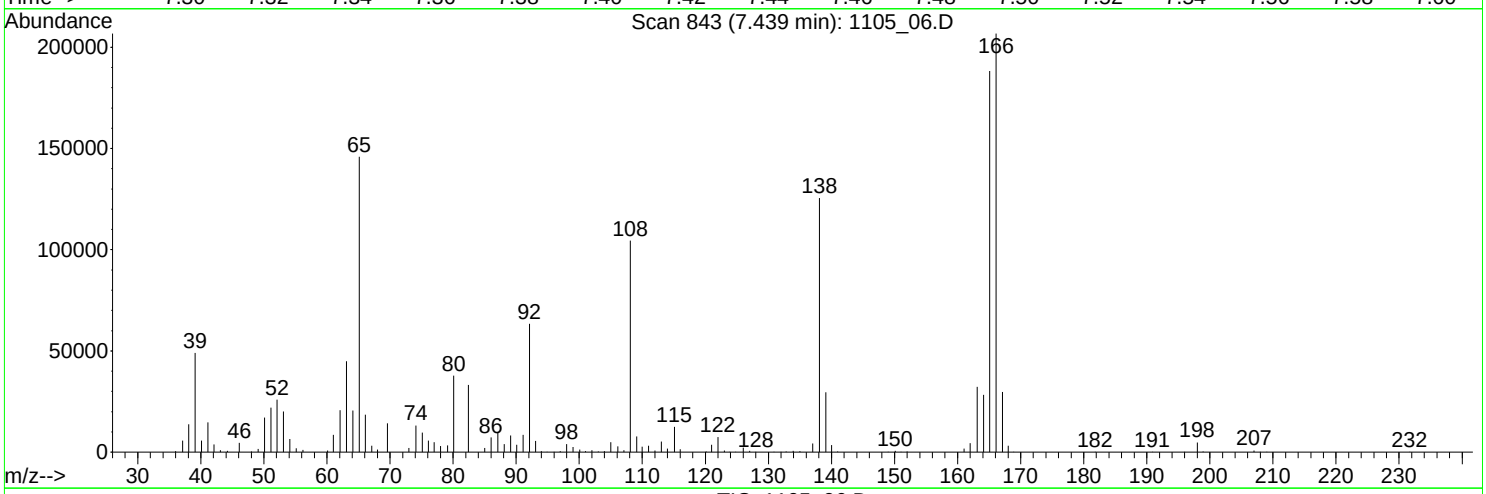
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:10 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:08:43 2011
Response via : Multiple Level Calibration





TIC: 1105_06.D

(61) 4-Nitroaniline (MT)

7.44min (+0.012) 21570.7018022 ppb m

response 95395

Ion	Exp%	Act%
138.00	100	100
108.00	80.70	81.90
92.00	48.80	53.21
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377
Sample : STD SVMS 20000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:10 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	73092	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	293523	8000.00 ppb	0.00
40) Acenaphthene-d10	7.13	164	154026	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	256579	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	228379	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	227705	8000.00 ppb	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.56	112	237639	20644.6209805 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 103223.10%#		
7) Phenol-d5	5.10	99	288006	21555.8971753 ppb	0.01
Spiked Amount 20.000	Range 10 - 63		Recovery = 107779.49%#		
23) Nitrobenzene-d5	5.67	82	331606	20260.8458321 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 202608.46%#		
44) 2-Fluorobiphenyl	6.70	172	533131	20118.8790795 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 201188.79%#		
67) 2,4,6-Tribromophenol	7.59	330	73751	21502.8280994 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 107514.14%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 211309.94%#		

Target Compounds					Qvalue
2) Pyridine	3.63	79	272997m	20865.6601991 ppb	
3) N-Nitrosodimethylamine	3.61	42	159004m	20203.8087407 ppb	
5) Aniline	5.16	93	378448	20399.1505842 ppb	99
6) bis(2-Chloroethyl)ether	5.17	93	273656m	20910.8914370 ppb	
8) Phenol	5.10	94	340031	21154.1101409 ppb	99
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.23	128	257587	20337.5441440 ppb	98
11) n-Decane	5.22	41	168243	19555.2432474 ppb	98
12) 1,3-Dichlorobenzene	5.32	146	288671	20507.7632202 ppb	98
13) 1,4-Dichlorobenzene	5.36	146	288192	20512.9642310 ppb	98
14) Benzyl Alcohol	5.42	79	244084	22290.2886817 ppb	99
15) 1,2-Dichlorobenzene	5.45	146	266154	19935.5150710 ppb	95
16) bis(2-Chloroisopropyl)ethe	5.48	121	87570	19943.5925703 ppb	99
17) 2-Methylphenol	5.46	108	242734	20160.6312384 ppb	99
18) Hexachloroethane	5.66	117	122713	21443.4859434 ppb	97
19) N-Nitrosodi-n-propylamine	5.56	70	202923	20490.9205434 ppb	97
20) 3&4-Methyl phenol	5.55	107	263761	20636.1421674 ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377
Sample : STD SVMS 20000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:10 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
21) Acetophenone	0.00	105	0	N.D. d		
24) Nitrobenzene	5.68	77	300089	20311.7508513	ppb	98
25) Isophorone	5.82	82	531696	19727.5689875	ppb	92
26) 2-Nitrophenol	5.86	139	133175	20867.5387677	ppb	94
27) 2,4-Dimethylphenol	5.85	107	230069	17467.0130400	ppb	94
28) bis(2-Chlorethoxy)methane	5.91	93	315993	20574.2343253	ppb	96
29) 2,4-Dichlorophenol	6.00	162	214922	20385.2723791	ppb	99
30) Benzoic Acid	0.00	105	0	N.D. d		
31) 1,2,4-Trichlorobenzene	6.06	180	243594	20842.8670252	ppb	97
32) Naphthalene	6.11	128	776066	19616.6833004	ppb	98
33) 4-Chloroaniline	6.12	65	101216	19348.0252468	ppb	96
34) Hexachloro-1,3-butadiene	6.16	225	137675	19981.7249210	ppb	99
35) Caprolactam	0.00	113	0	N.D. d		
36) 4-Chloro-3-methylphenol	6.37	107	245987	21056.3990472	ppb	91
37) 2-Methylnaphthalene	6.51	142	498544	19637.0262149	ppb	100
38) 1-Methylnaphthalene	6.57	142	507679	20067.3046612	ppb	98
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D. d		
41) Hexachlorocyclopentadiene	6.59	237	120644	19793.5039217	ppb	91
42) 2,4,6-Trichlorophenol	6.66	196	153222	20974.8709126	ppb	95
43) 2,4,5-Trichlorophenol	6.68	196	161093	21043.7425150	ppb	99
45) Biphenyl	6.77	154	591868	19821.2883506	ppb	99
46) 2-Chloronaphthalene	6.80	162	468831	21016.8765943	ppb	97
47) 2-Nitroaniline	6.84	138	157557	21836.7444968	ppb	94
48) Acenaphthylene	7.05	152	731449	20517.4583391	ppb	100
49) Dimethyl phthalate	6.92	163	548857	21036.0316550	ppb	97
50) 2,6-Dinitrotoluene	6.97	165	124777	21476.1063183	ppb	94
51) 3-Nitroaniline	7.08	138	121530	20332.7446740	ppb	99
52) Acenaphthene	7.15	153	452432	19441.3631166	ppb	100
53) 2,4-Dinitrophenol	7.13	184	48151	31290.4214636	ppb	90
54) Dibenzofuran	7.25	168	633534	20366.7584574	ppb	99
55) 2,4-Dinitrotoluene	7.21	165	165390	21722.9850480	ppb	93
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D. d		
57) 4-Nitrophenol	7.14	139	94074	22757.5726945	ppb	97
58) Fluorene	7.45	166	525110	19732.4318930	ppb	99
59) 4-Chlorophenyl-phenylether	7.42	204	237431	19840.4735361	ppb	91
60) Diethyl phthalate	7.33	149	554001	20384.3889111	ppb	99
62) Azobenzene	7.52	77	603781	20150.6793999	ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:10 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

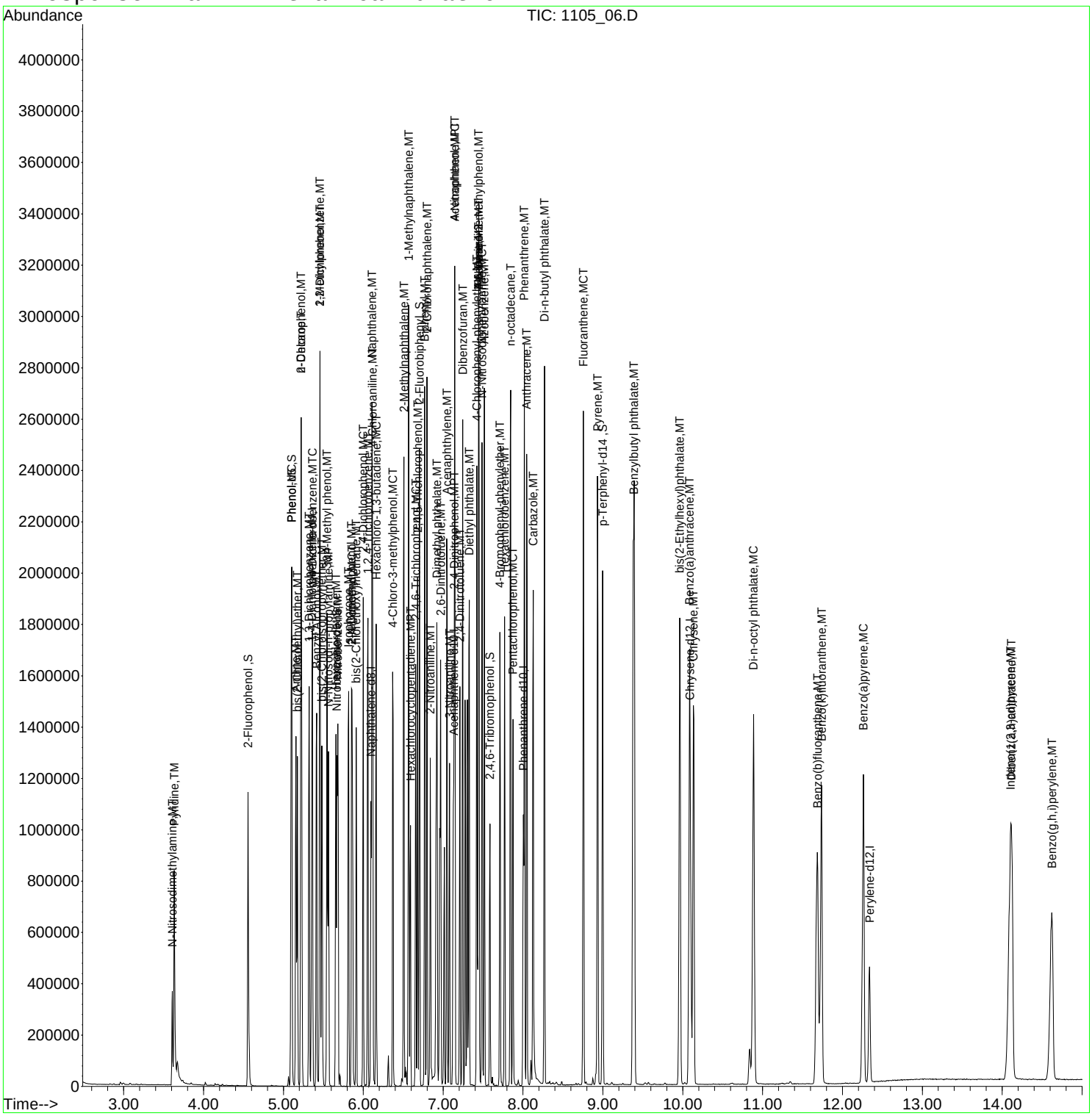
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63) Atrazine	0.00	200	0	N.D. d			
65) 4,6-Dinitro-2-methylphenol	7.45	198	78931	23577.4084627	ppb		97
66) N-Nitrosodiphenylamine	7.49	169	431824	19007.3376993	ppb		99
68) 4-Bromophenyl-phenylether	7.72	248	146041	20117.8229228	ppb	#	84
69) Hexachlorobenzene	7.77	284	156992	18972.3123415	ppb		98
70) n-octadecane	7.85	55	102255	18213.6040737	ppb		98
71) Pentachlorophenol	7.87	266	103885	20906.3860440	ppb		93
72) Phenanthrene	8.02	178	757822	19951.1822437	ppb		97
73) Anthracene	8.05	178	730330	18807.2899246	ppb		99
74) Carbazole	8.13	167	697256m	19841.2955747	ppb		
75) Di-n-butyl phthalate	8.27	149	996963	19259.0241022	ppb		99
76) 2-nitrodiphenylamine	0.00	167	0	N.D. d			
77) Fluoranthene	8.76	202	827015	19454.0304339	ppb		99
79) Benzidine	0.00	184	0	N.D.			
80) Pyrene	8.93	202	829580	20359.6734105	ppb		99
82) Benzylbutyl phthalate	9.38	149	421549	20224.6195104	ppb		99
83) 3,3-Dichlorobenzidine	0.00	252	0	N.D.			
84) Benzo(a)anthracene	10.09	228	712646	20357.5447976	ppb		99
85) Chrysene	10.14	228	663676	20030.0728091	ppb		99
86) bis(2-Ethylhexyl)phthalate	9.96	149	615122	20022.9352070	ppb		99
87) Di-n-octyl phthalate	10.89	149	1069482	20695.5221684	ppb		100
89) Benzo(b)fluoranthene	11.69	252	729449m	21712.0143937	ppb		
90) Benzo(k)fluoranthene	11.74	252	678705	21181.1336957	ppb		99
91) Benzo(a)pyrene	12.26	252	695724	21656.9698810	ppb		99
92) Indeno(1,2,3-cd)pyrene	14.10	276	776822	21575.2209617	ppb		100
93) Dibenz(a,h)anthracene	14.12	278	627211	21916.2317643	ppb		97
94) Benzo(g,h,i)perylene	14.62	276	651150	20989.1204580	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_06.D Vial: 6
Acq On : 5 Nov 2011 1:31 pm Operator: 377
Sample : STD SVMS 20000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:10 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:08:43 2011
Response via : Initial Calibration

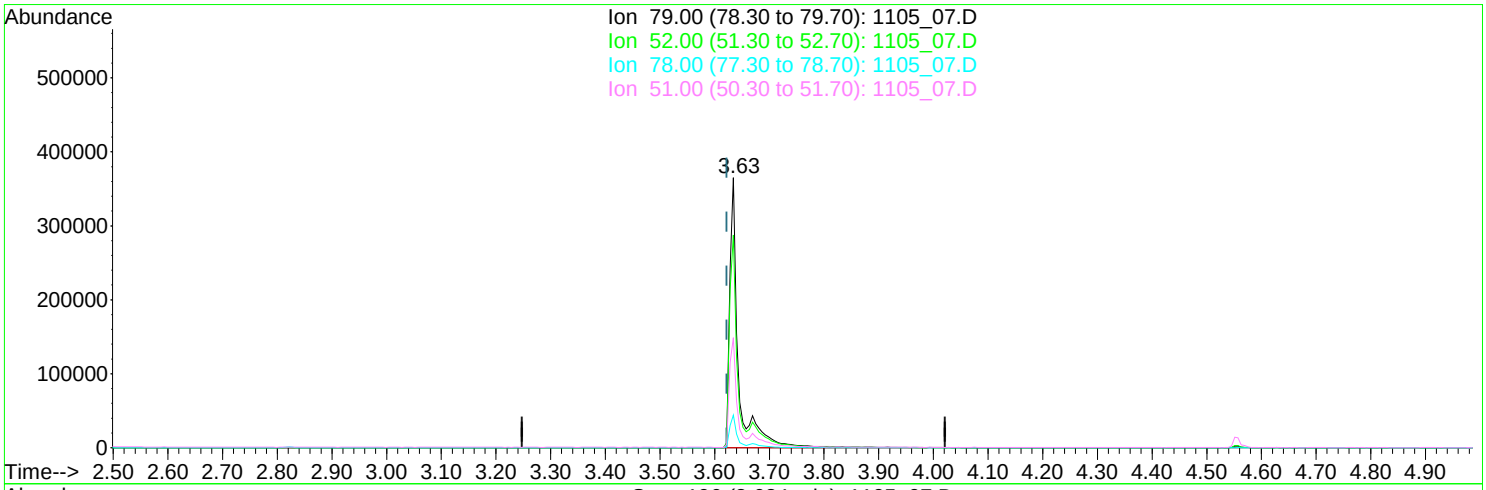


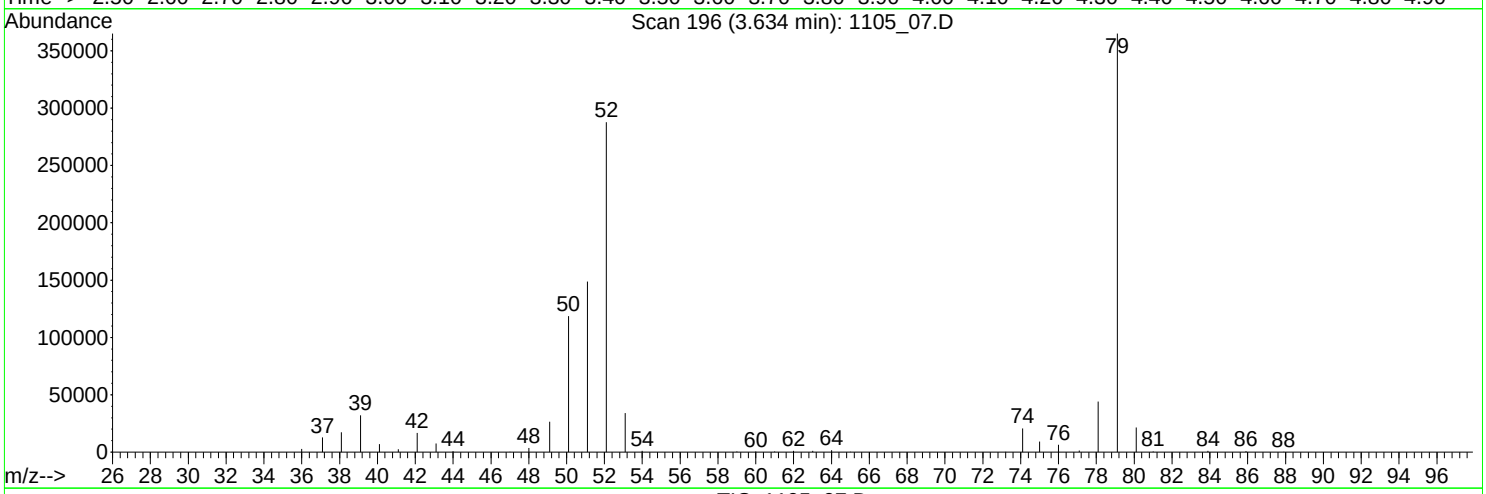
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(2) Pyridine (TM)

3.63min (+0.012) 30845.5970989 ppb

Qvalue = 97

response 413492

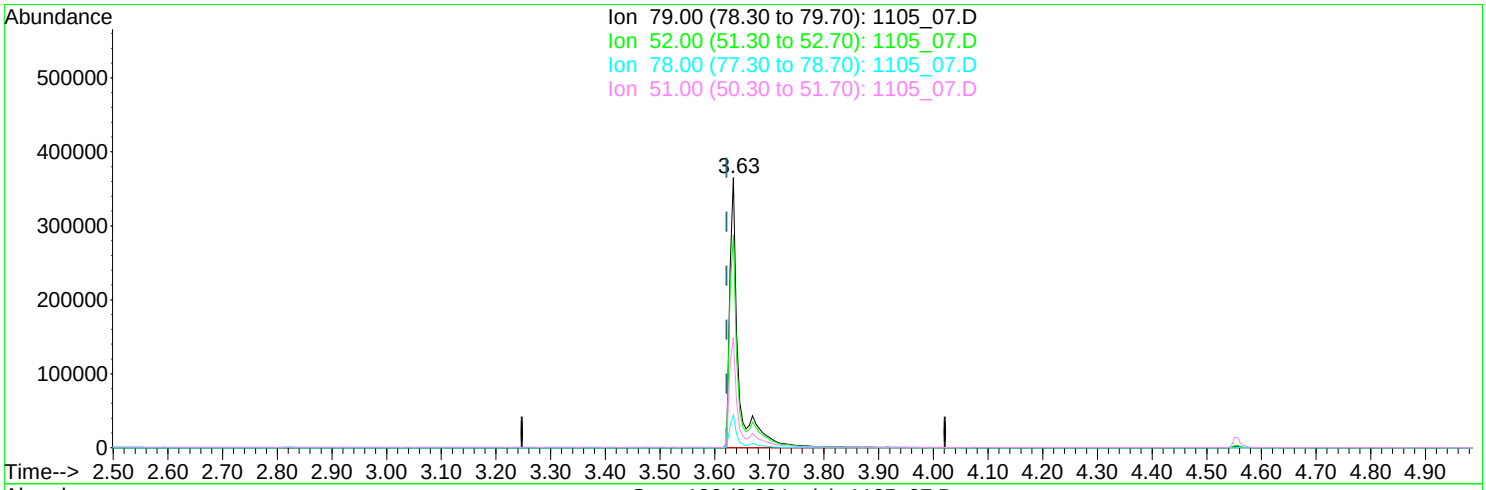
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	78.79
78.00	12.00	12.11
51.00	42.90	40.59

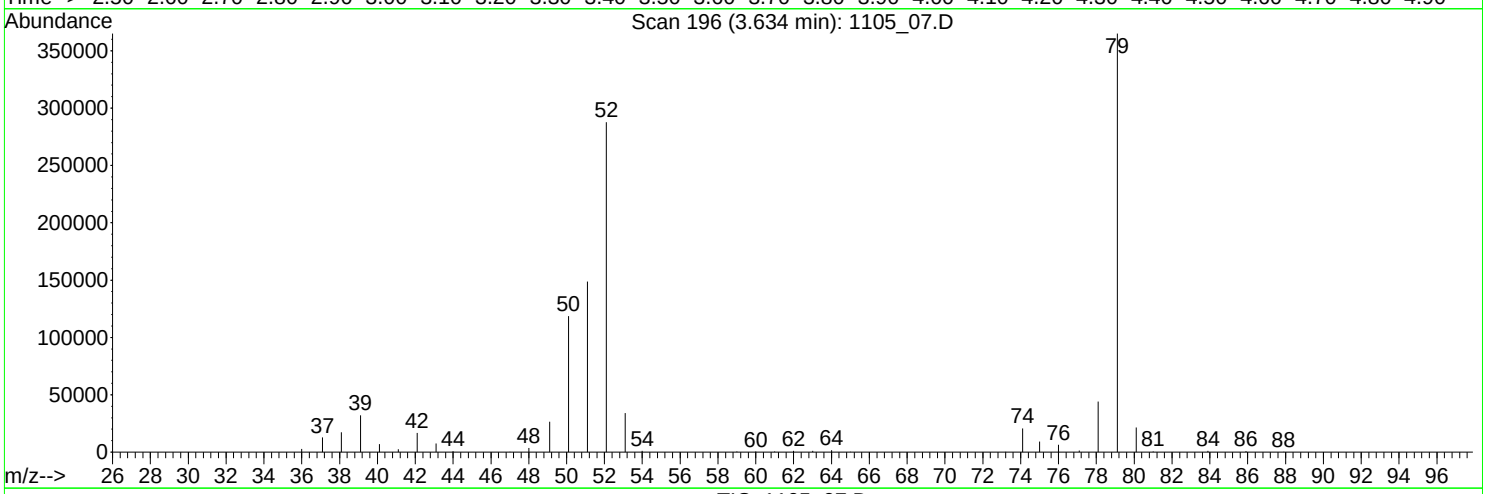
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(2) Pyridine (TM)

3.63min (+0.012) 30906.9164976 ppb m

response 414314

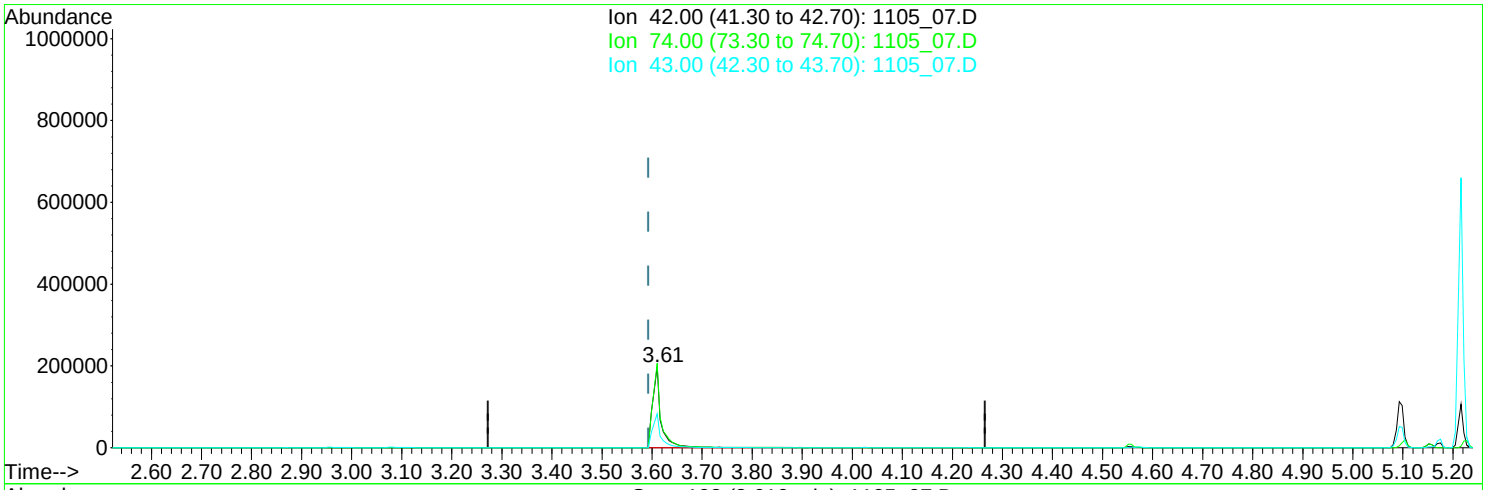
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	78.79
78.00	12.00	12.11
51.00	42.90	40.74

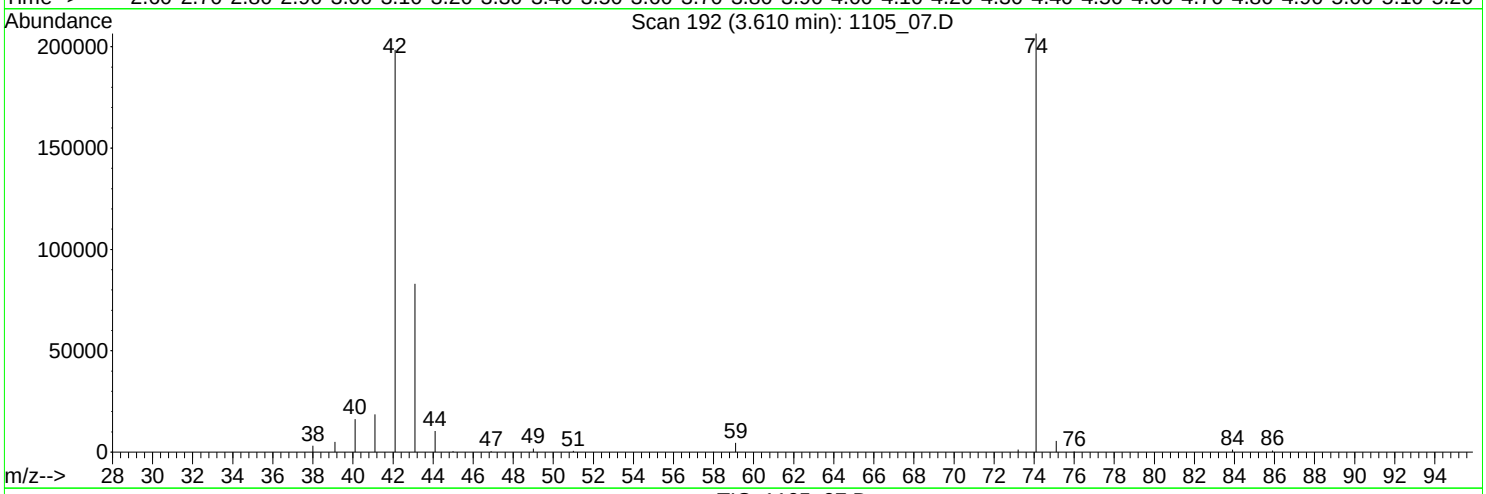
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(3) N-Nitrosodimethylamine (MT)

3.61min (+0.018) 29858.5396395 ppb

Qvalue = 95

response 240764

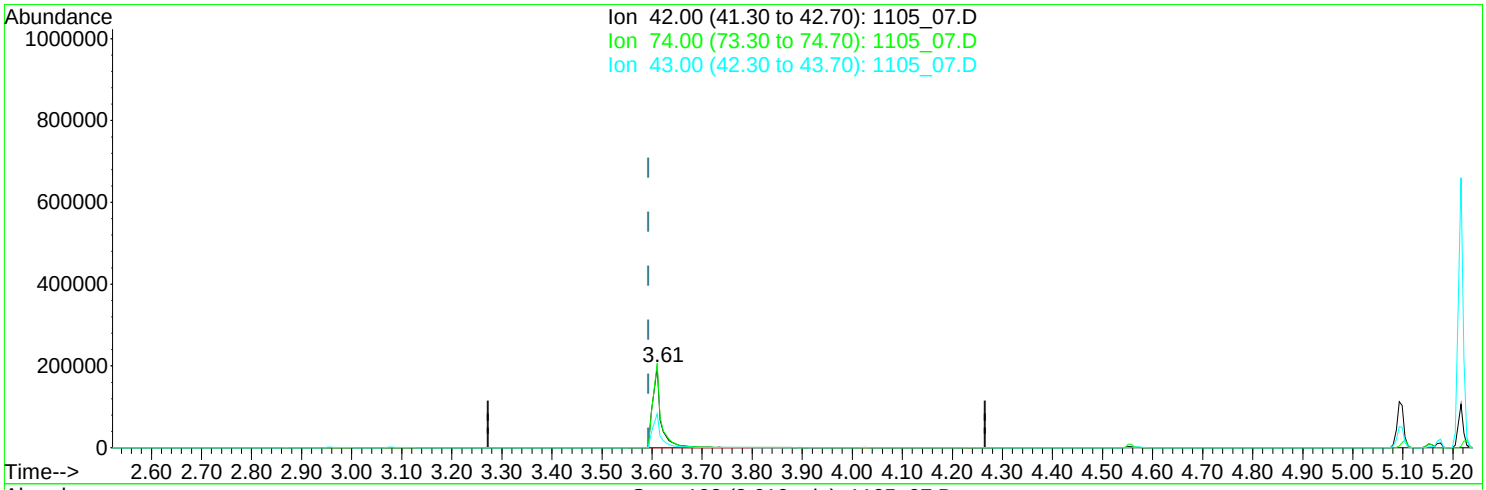
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	102.27
43.00	39.20	40.99
0.00	0.00	0.00

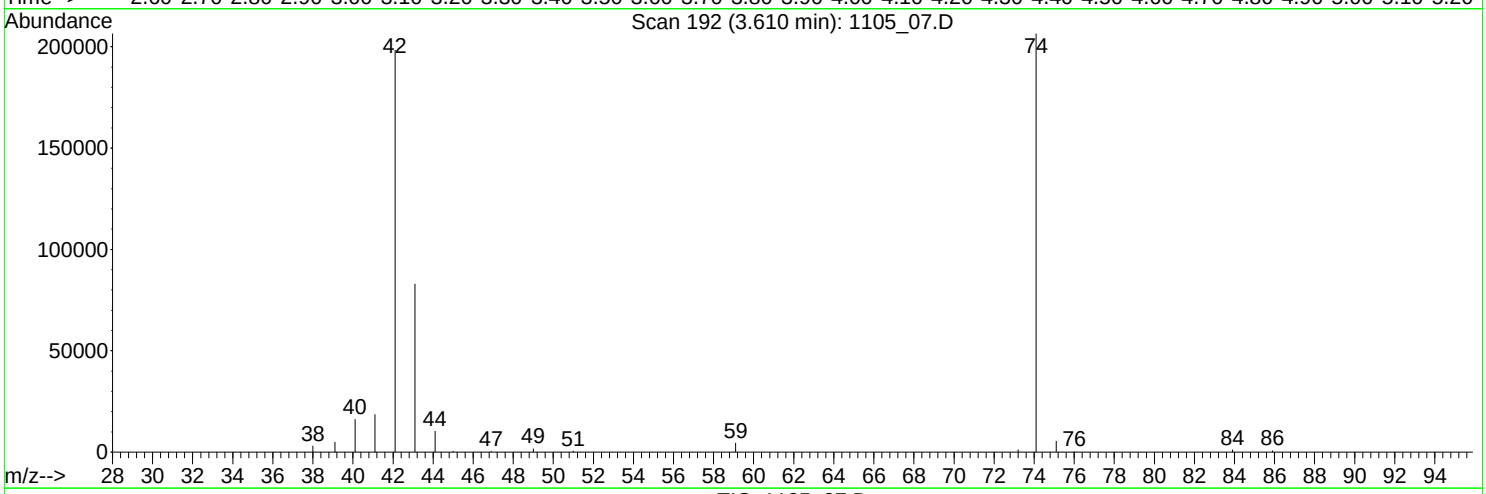
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(3) N-Nitrosodimethylamine (MT)

3.61min (+0.018) 29905.2935954 ppb m

response 241141

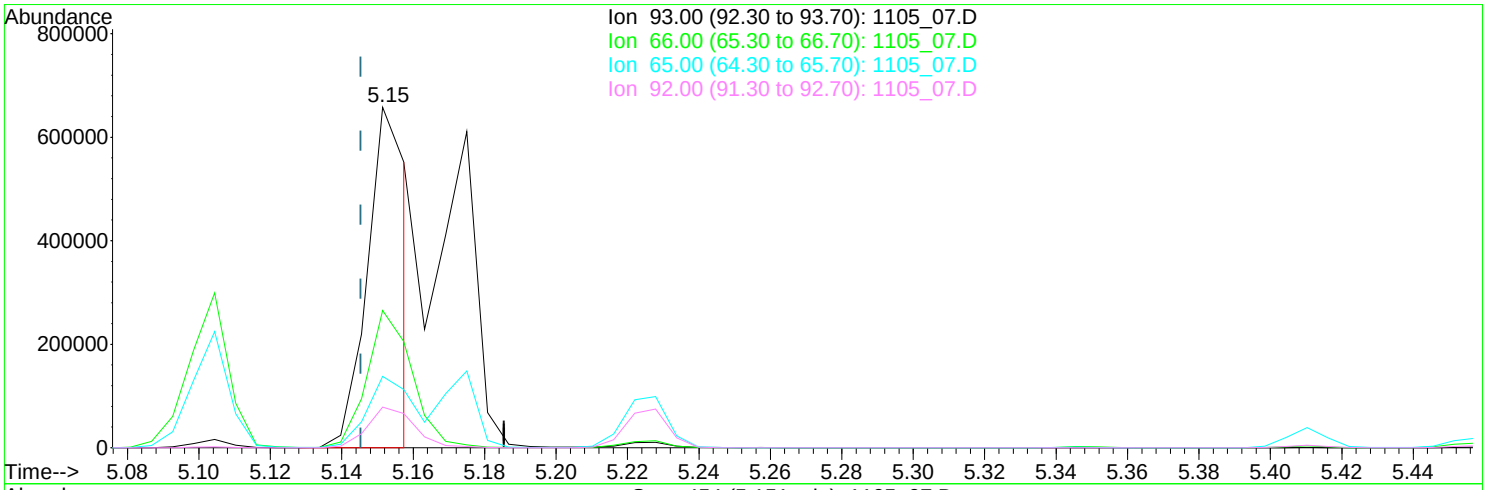
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	102.11
43.00	39.20	40.93
0.00	0.00	0.00

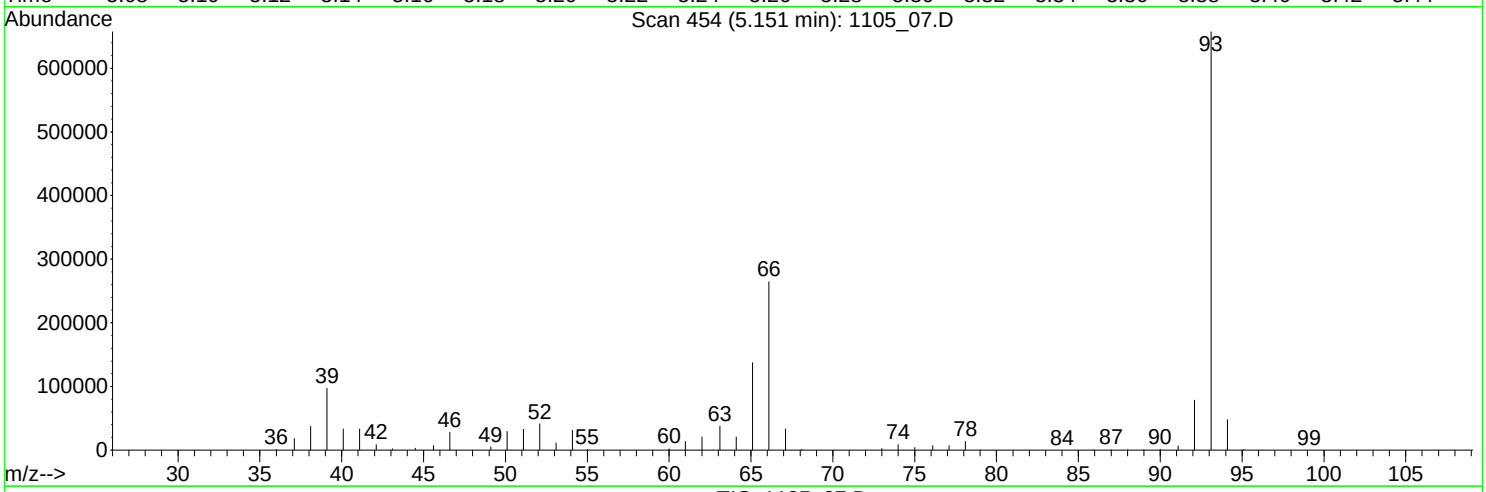
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(5) Aniline (MT)

5.15min (+0.006) 26986.2184038 ppb

Qvalue = 99

response 512961

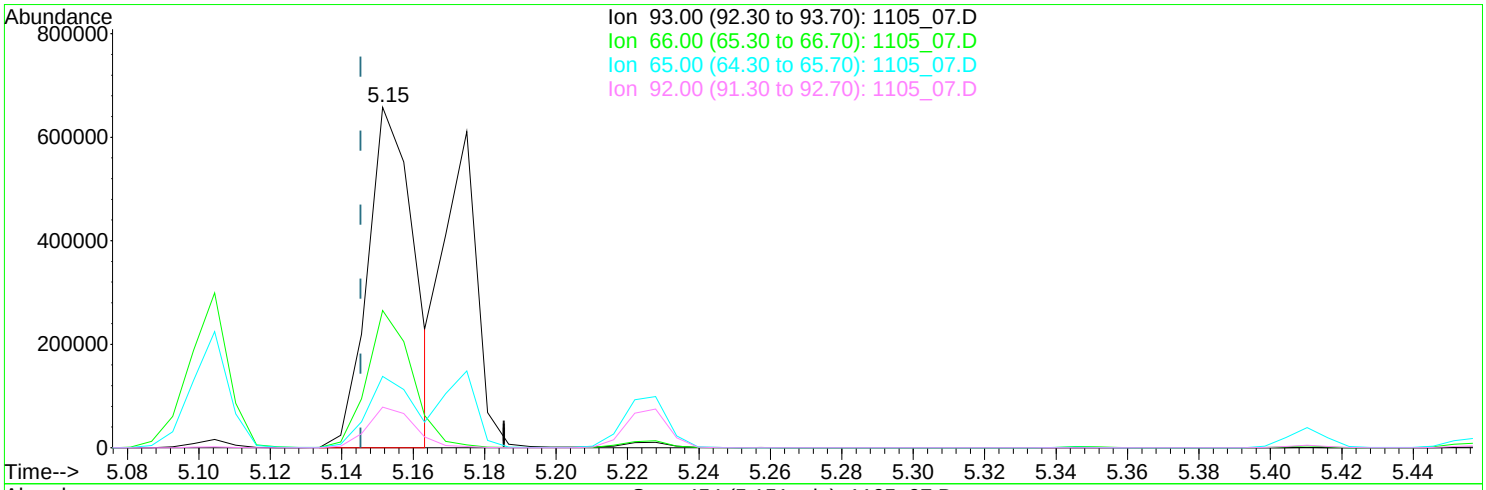
Ion	Exp%	Act%
93.00	100	100
66.00	38.60	39.51
65.00	21.40	21.02
92.00	12.00	12.07

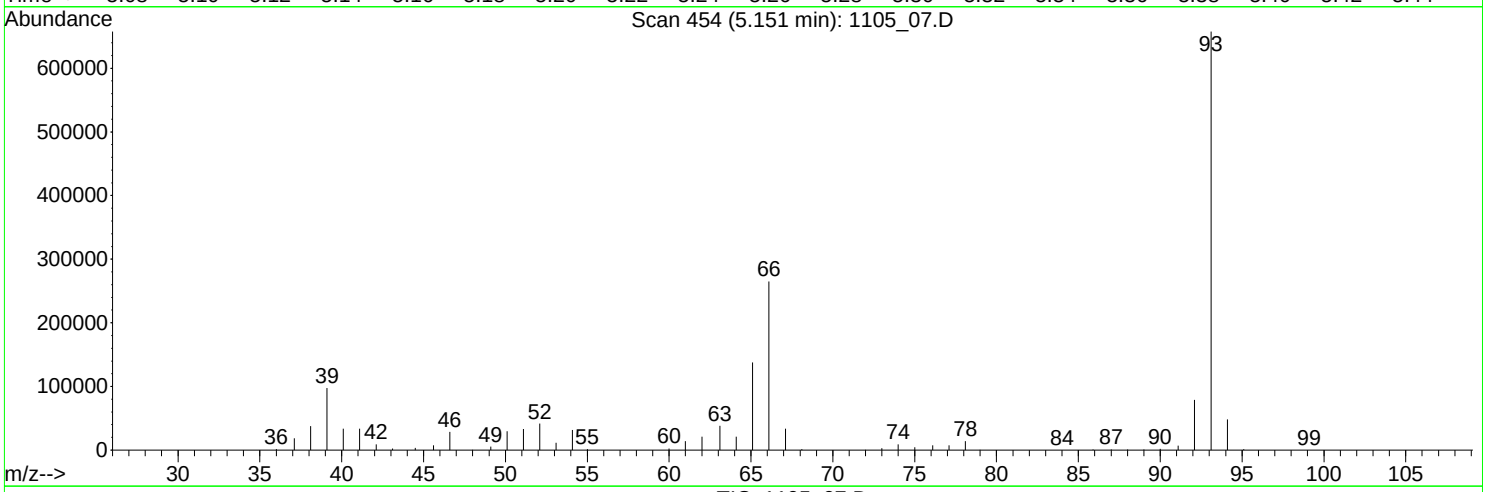
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(5) Aniline (MT)

5.15min (+0.006) 31242.4737795 ppb m

response 593865

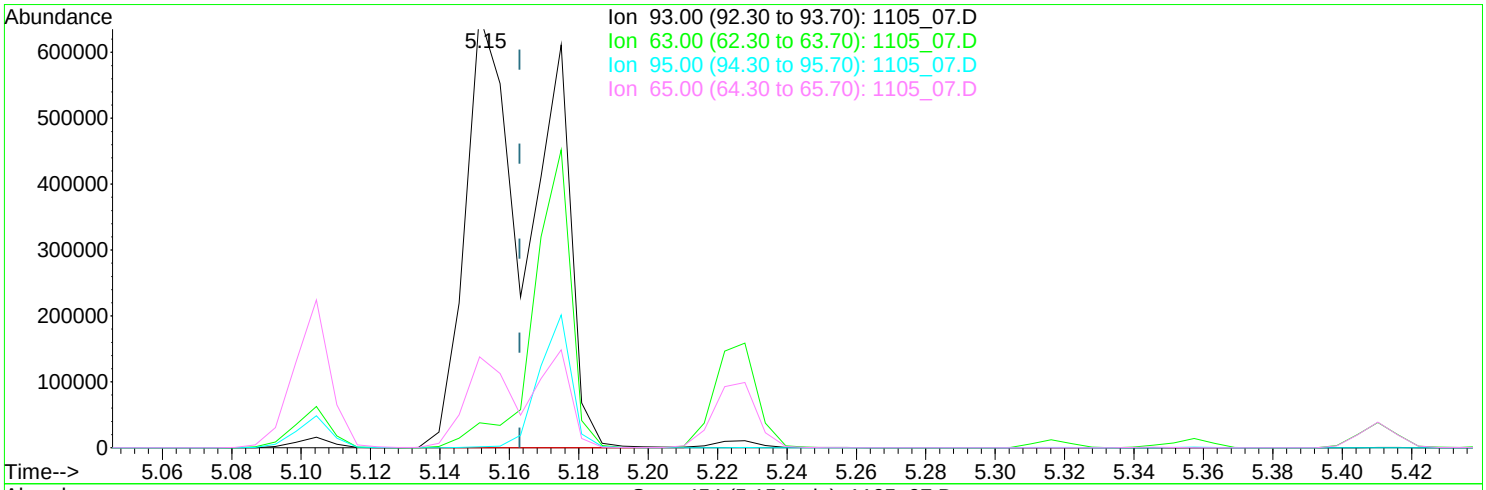
Ion	Exp%	Act%
93.00	100	100
66.00	38.60	34.13
65.00	21.40	18.16
92.00	12.00	10.42

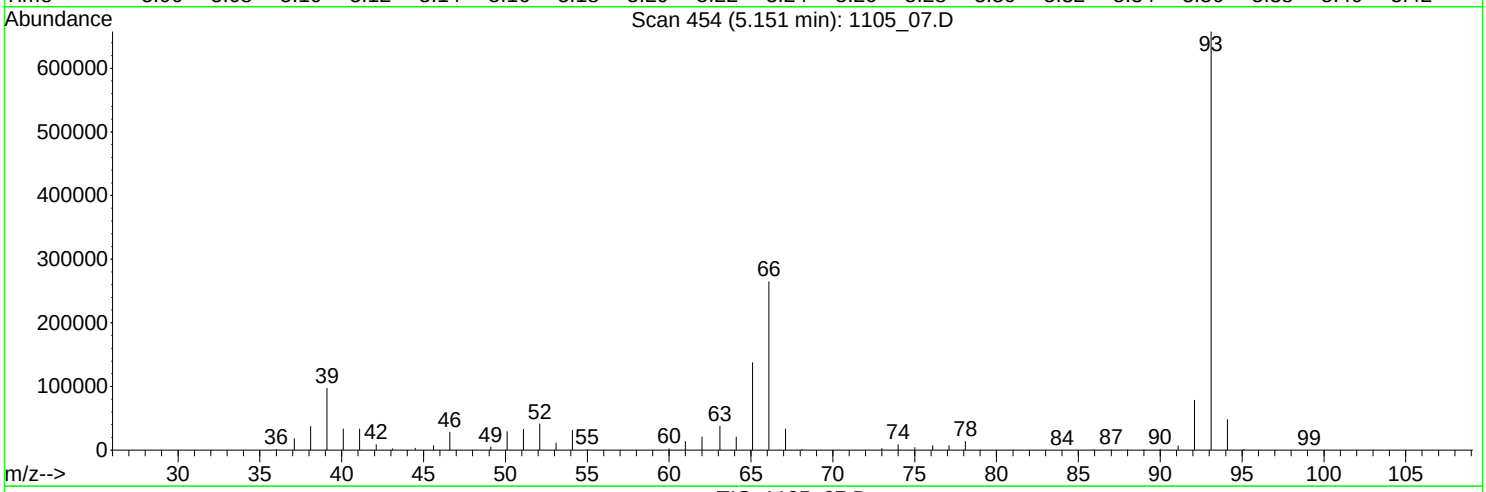
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(6) bis(2-Chloroethyl)ether (MT)

5.15min (-0.012) 73322.2997531 ppb

Qvalue = 40

response 983143

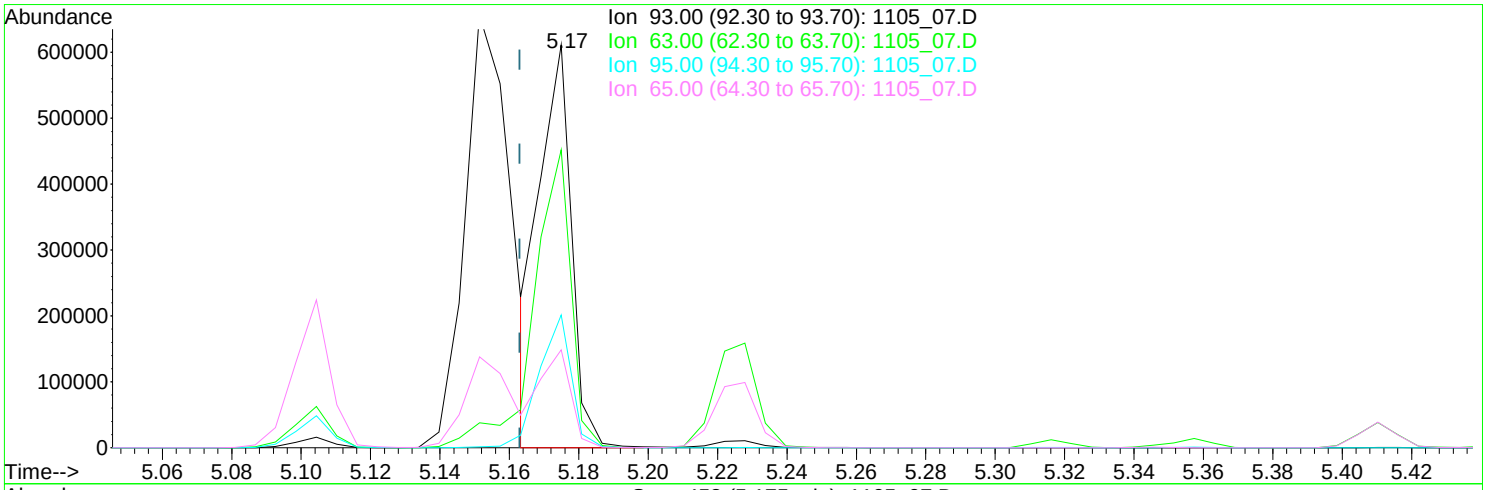
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	5.76#
95.00	31.70	0.18#
65.00	23.80	20.88

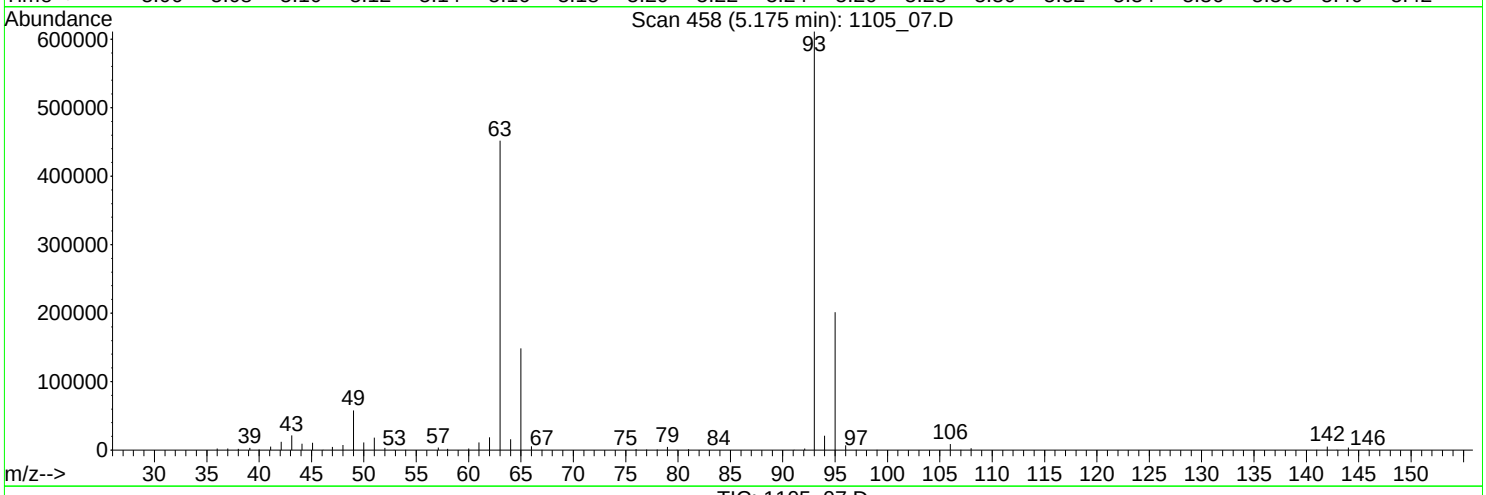
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.012) 28990.4632772 ppb m

response 388719

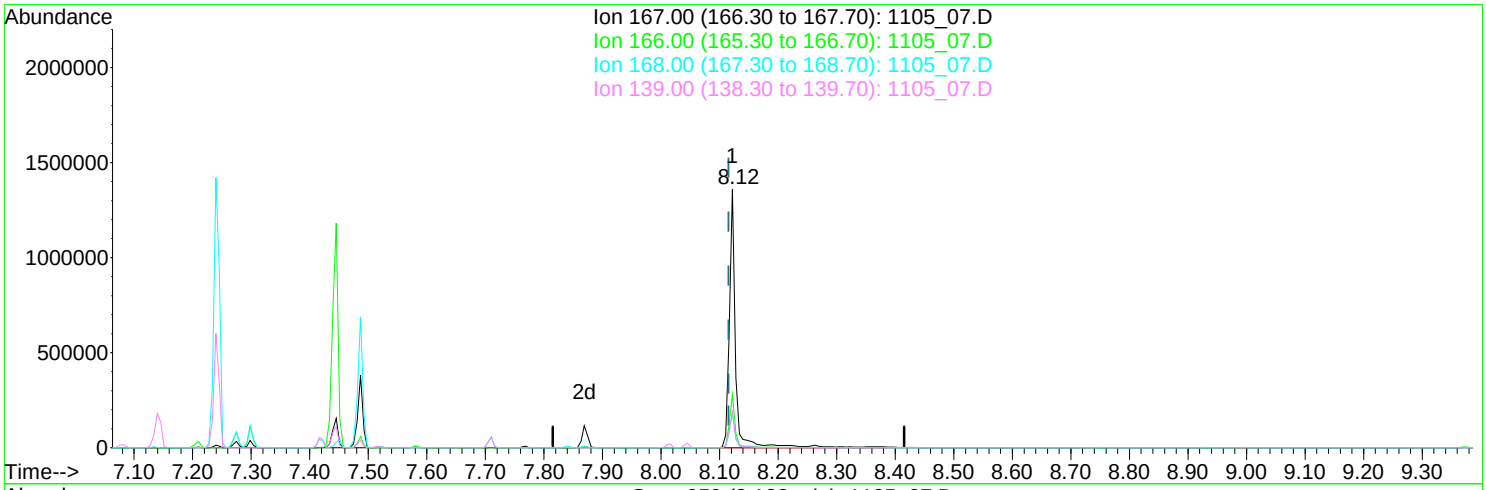
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	73.97
95.00	31.70	32.95
65.00	23.80	24.30

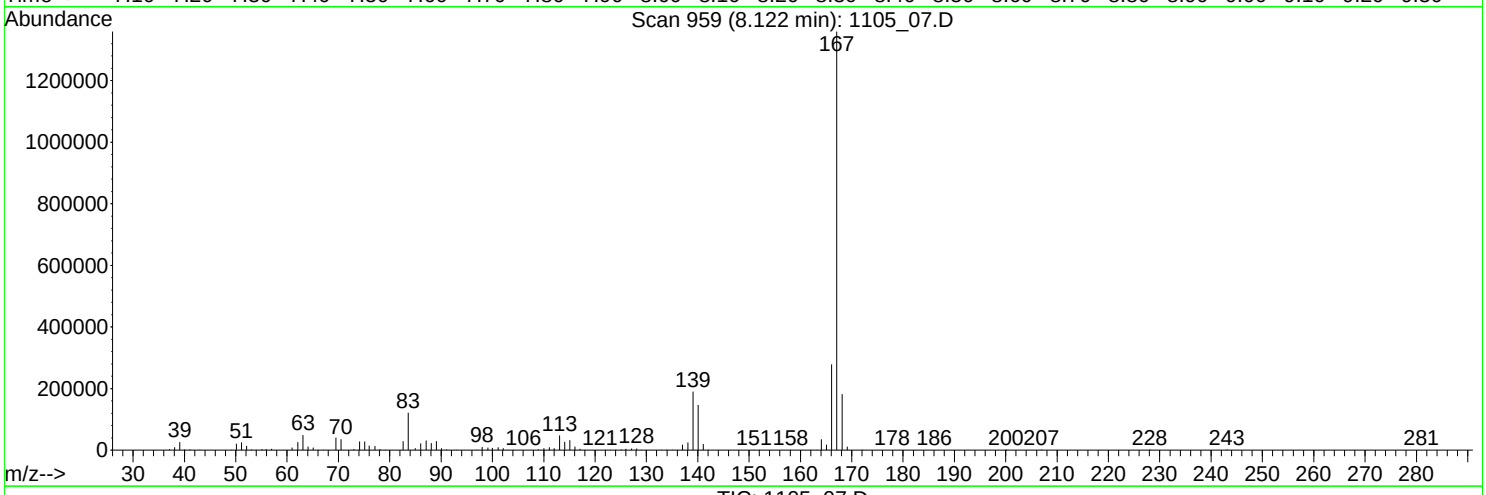
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:11 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(74) Carbazole (MT)

8.12min (+0.006) 27444.9575565 ppb

Qvalue = 99

response 1018462

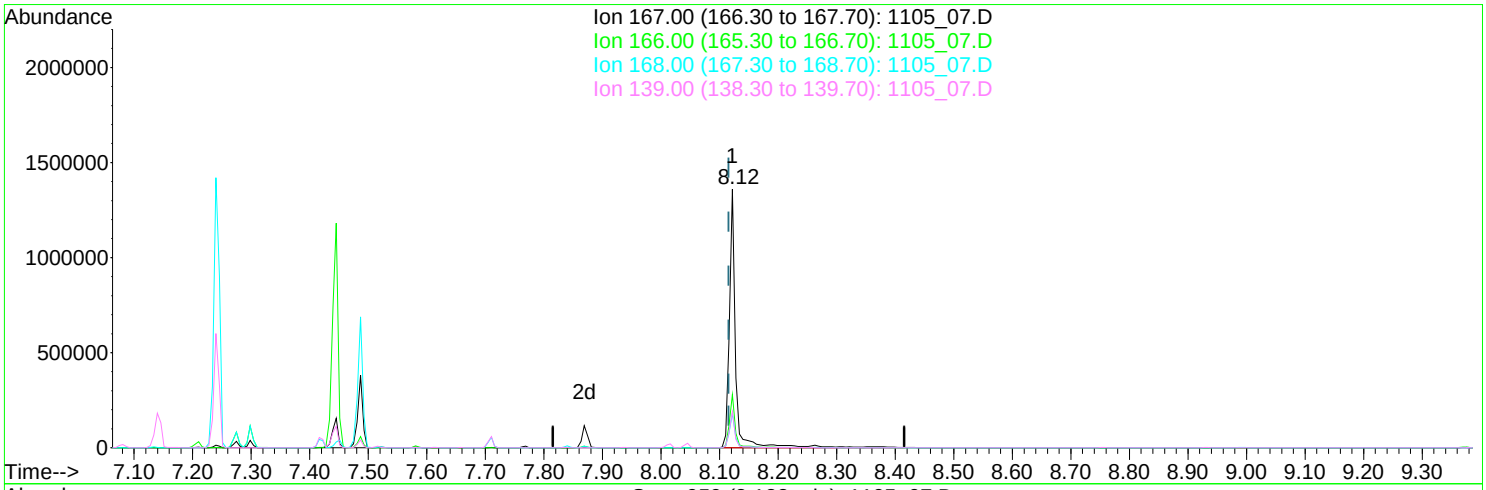
Ion	Exp%	Act%
167.00	100	100
166.00	20.30	20.46
168.00	13.00	13.44
139.00	13.10	13.74

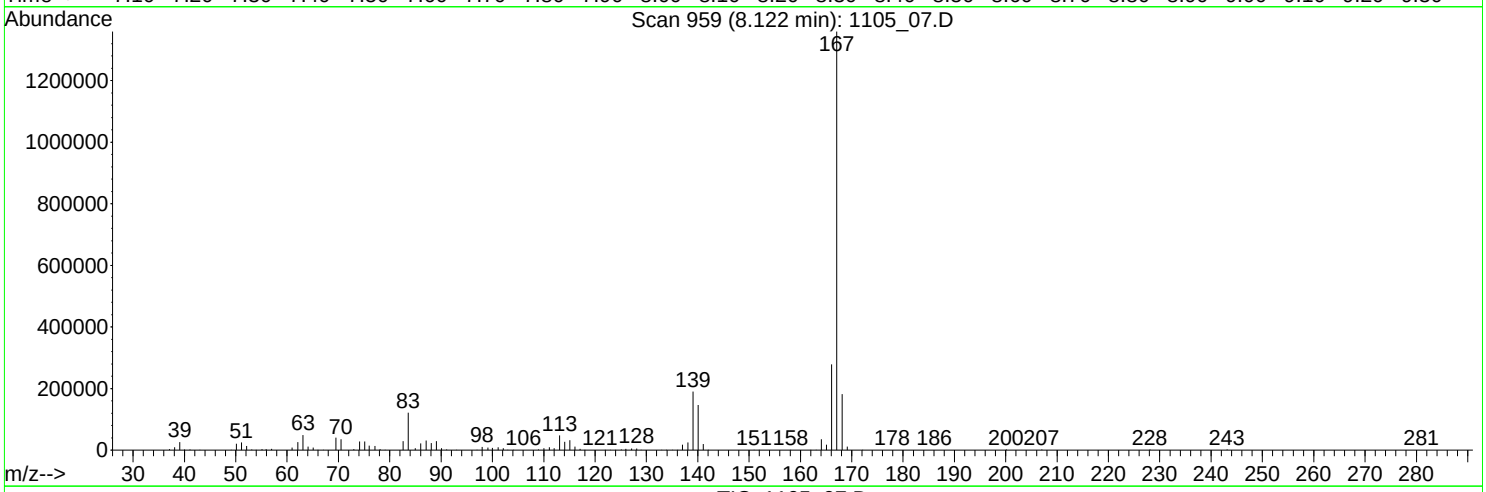
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:12 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(74) Carbazole (MT)

8.12min (+0.006) 27567.2181538 ppb m

response 1022999

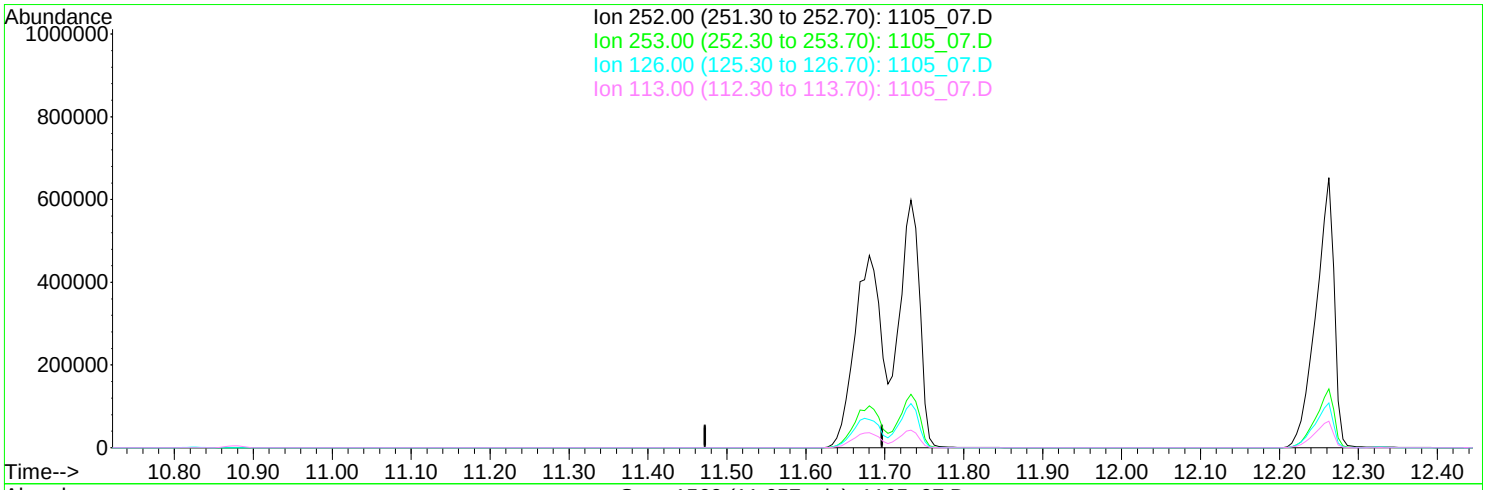
Ion	Exp%	Act%
167.00	100	100
166.00	20.30	20.37
168.00	13.00	13.39
139.00	13.10	13.68

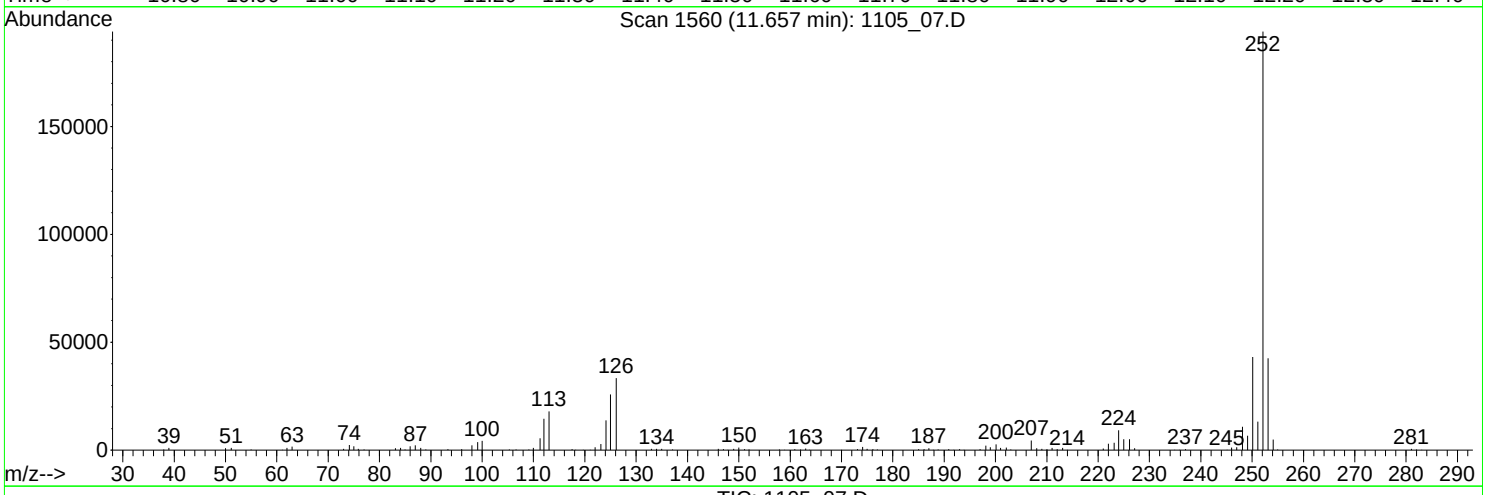
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:12 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

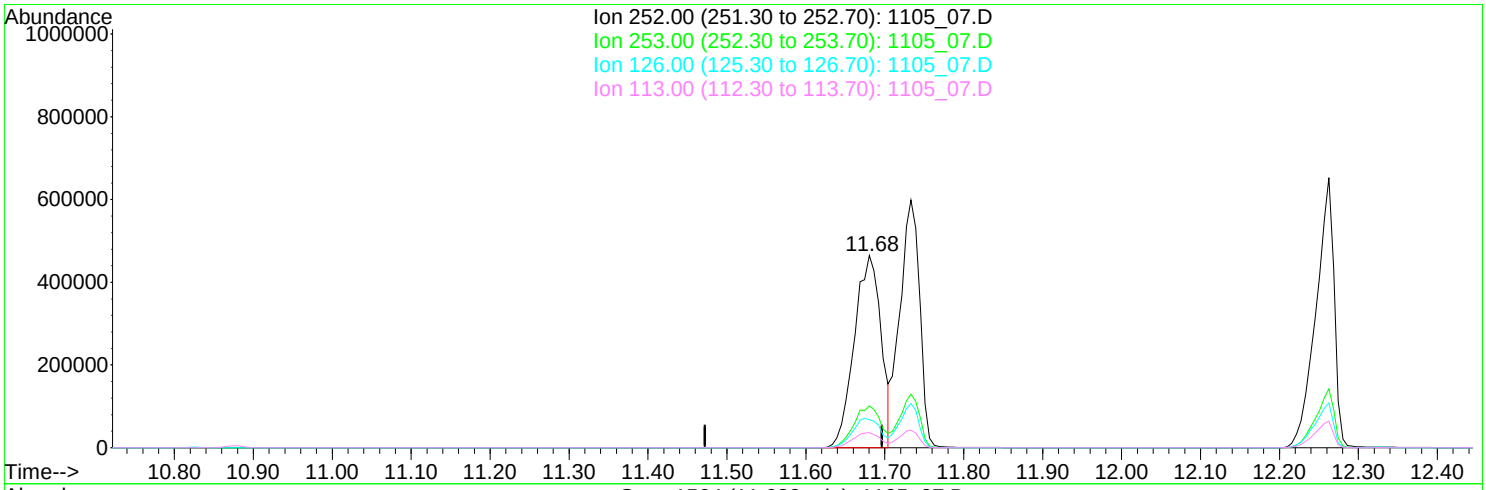
Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

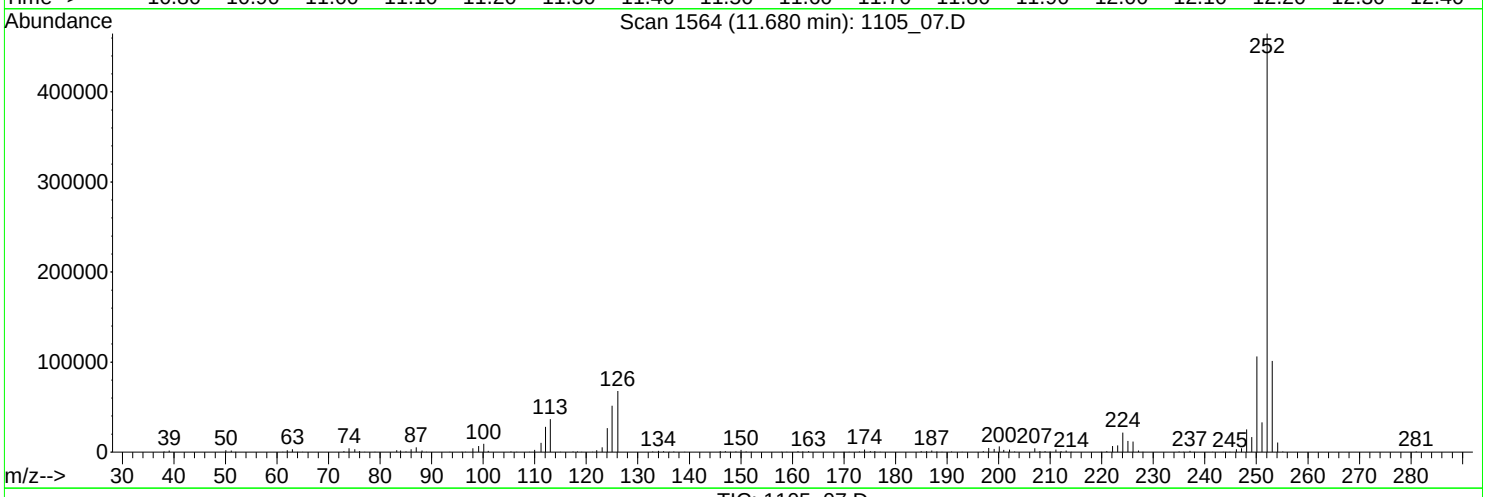
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:12 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Multiple Level Calibration





TIC: 1105_07.D

(89) Benzo(b)fluoranthene (MT)

11.68min (+0.024) 31759.3954253 ppb m

response 1093271

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.83
126.00	17.40	14.62
113.00	8.40	7.91

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377
Sample : STD SVMS 30000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:12 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	74889	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	288287	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	159960	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	270945	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	233916	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	233310	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	365918	31025.9283662 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 155129.64%#		
7) Phenol-d5	5.10	99	429006	31338.6113238 ppb	0.01
Spiked Amount 20.000	Range 10 - 63		Recovery = 156693.06%#		
23) Nitrobenzene-d5	5.67	82	491672	30586.3565818 ppb	0.01
Spiked Amount 10.000	Range 17 - 119		Recovery = 305863.57%#		
44) 2-Fluorobiphenyl	6.70	172	786687	28586.0704270 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 285860.70%#		
67) 2,4,6-Tribromophenol	7.58	330	111933	30904.7888448 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 154523.94%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 309115.47%#		

Target Compounds

					Qvalue
2) Pyridine	3.63	79	414314m	30906.9164976 ppb	
3) N-Nitrosodimethylamine	3.61	42	241141m	29905.2935954 ppb	
5) Aniline	5.15	93	593865m	31242.4737795 ppb	
6) bis(2-Chloroethyl)ether	5.17	93	388719m	28990.4632772 ppb	
8) Phenol	5.10	94	502285	30498.4853479 ppb	99
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.23	128	392536	30248.6414628 ppb	97
11) n-Decane	5.22	41	235300	26693.1581763 ppb	97
12) 1,3-Dichlorobenzene	5.32	146	428855	29735.6495528 ppb	95
13) 1,4-Dichlorobenzene	5.36	146	437825	30415.7739764 ppb	99
14) Benzyl Alcohol	5.41	79	356543	31778.9914178 ppb	98
15) 1,2-Dichlorobenzene	5.45	146	393200	28744.8327903 ppb	99
16) bis(2-Chloroisopropyl)ethe	5.48	121	131576	29246.6775625 ppb	96
17) 2-Methylphenol	5.46	108	351542	28497.2233720 ppb	98
18) Hexachloroethane	5.65	117	179174	30558.4707815 ppb	99
19) N-Nitrosodi-n-propylamine	5.56	70	298583	29427.0743399 ppb	96
20) 3&4-Methyl phenol	5.55	107	402239	30715.2405503 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377
Sample : STD SVMS 30000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:12 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21) Acetophenone	0.00	105	0	N.D.	d		
24) Nitrobenzene	5.68	77	438851	30243.4586370	ppb		97
25) Isophorone	5.82	82	783025	29580.3211435	ppb		94
26) 2-Nitrophenol	5.86	139	202481	32303.5222986	ppb	#	83
27) 2,4-Dimethylphenol	5.85	107	358203	27688.9723251	ppb		96
28) bis(2-Chlorethoxy)methane	5.91	93	465832	30881.0897308	ppb		94
29) 2,4-Dichlorophenol	5.99	162	321231	31022.0271648	ppb		94
30) Benzoic Acid	0.00	105	0	N.D.	d		
31) 1,2,4-Trichlorobenzene	6.05	180	341579	29757.6829564	ppb		98
32) Naphthalene	6.11	128	1172423	30173.6835977	ppb		87
33) 4-Chloroaniline	6.12	65	155594	30282.8956268	ppb		97
34) Hexachloro-1,3-butadiene	6.16	225	206233	30475.6606439	ppb		98
35) Caprolactam	0.00	113	0	N.D.	d		
36) 4-Chloro-3-methylphenol	6.37	107	354856	30927.2409630	ppb		97
37) 2-Methylnaphthalene	6.50	142	740015	29677.6717980	ppb		100
38) 1-Methylnaphthalene	6.56	142	755477	30404.5213414	ppb		98
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41) Hexachlorocyclopentadiene	6.59	237	184038	29074.1549147	ppb		92
42) 2,4,6-Trichlorophenol	6.66	196	229209	30212.9044958	ppb	#	83
43) 2,4,5-Trichlorophenol	6.67	196	246337	30985.5064962	ppb		95
45) Biphenyl	6.77	154	886329	28581.4738700	ppb		99
46) 2-Chloronaphthalene	6.80	162	702351	30317.1729013	ppb		94
47) 2-Nitroaniline	6.84	138	235645	31447.8573264	ppb		96
48) Acenaphthylene	7.05	152	1086805	29354.4386139	ppb		100
49) Dimethyl phthalate	6.92	163	831566	30689.0873962	ppb		97
50) 2,6-Dinitrotoluene	6.97	165	187136	31014.2290142	ppb		87
51) 3-Nitroaniline	7.08	138	181609	29257.1836533	ppb		99
52) Acenaphthene	7.15	153	702820	29080.3849151	ppb		100
53) 2,4-Dinitrophenol	7.13	184	83649	52341.9016390	ppb	#	76
54) Dibenzofuran	7.24	168	951324	29448.4933702	ppb		100
55) 2,4-Dinitrotoluene	7.21	165	247652	31320.9363770	ppb		98
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	d		
57) 4-Nitrophenol	7.14	139	143856	33509.4230278	ppb		98
58) Fluorene	7.45	166	792270	28667.2594193	ppb		98
59) 4-Chlorophenyl-phenylether	7.42	204	370529	29813.9458027	ppb	#	78
60) Diethyl phthalate	7.32	149	838189	29696.9430839	ppb		98
62) Azobenzene	7.52	77	894354	28741.0312152	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:12 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63) Atrazine	0.00	200	0	N.D. d		
65) 4,6-Dinitro-2-methylphenol	7.45	198	124486	35213.4796132	ppb	96
66) N-Nitrosodiphenylamine	7.49	169	639819	26669.2998761	ppb	99
68) 4-Bromophenyl-phenylether	7.71	248	223461	29150.6261799	ppb	96
69) Hexachlorobenzene	7.77	284	238088	27247.0957351	ppb	98
70) n-octadecane	7.84	55	146347	24685.1135886	ppb	96
71) Pentachlorophenol	7.87	266	161755	30826.4704936	ppb	98
72) Phenanthrene	8.02	178	1131466	28208.6889562	ppb	99
73) Anthracene	8.05	178	1127012	27483.7244887	ppb	99
74) Carbazole	8.12	167	1022999m	27567.2181538	ppb	
75) Di-n-butyl phthalate	8.26	149	1471313	26915.3651043	ppb	99
76) 2-nitrodiphenylamine	0.00	167	0	N.D.		
77) Fluoranthene	8.76	202	1227487	27343.4350758	ppb	100
79) Benzidine	0.00	184	0	N.D.		
80) Pyrene	8.93	202	1246158	29859.4553649	ppb	99
82) Benzylbutyl phthalate	9.37	149	655282	30694.2321208	ppb	100
83) 3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84) Benzo(a)anthracene	10.08	228	1088401	30355.4529491	ppb	99
85) Chrysene	10.13	228	1021707	30105.7202744	ppb	98
86) bis(2-Ethylhexyl)phthalate	9.96	149	942138	29941.7542203	ppb	99
87) Di-n-octyl phthalate	10.87	149	1624430	30690.2303855	ppb	99
89) Benzo(b)fluoranthene	11.68	252	1093271m	31759.3954253	ppb	
90) Benzo(k)fluoranthene	11.73	252	1047252	31897.6409136	ppb	99
91) Benzo(a)pyrene	12.26	252	1056722	32104.1125922	ppb	98
92) Indeno(1,2,3-cd)pyrene	14.10	276	1159613	31433.0138947	ppb	97
93) Dibenz(a,h)anthracene	14.12	278	938161	31994.0195999	ppb	97
94) Benzo(g,h,i)perylene	14.62	276	958094	30141.1993201	ppb	99

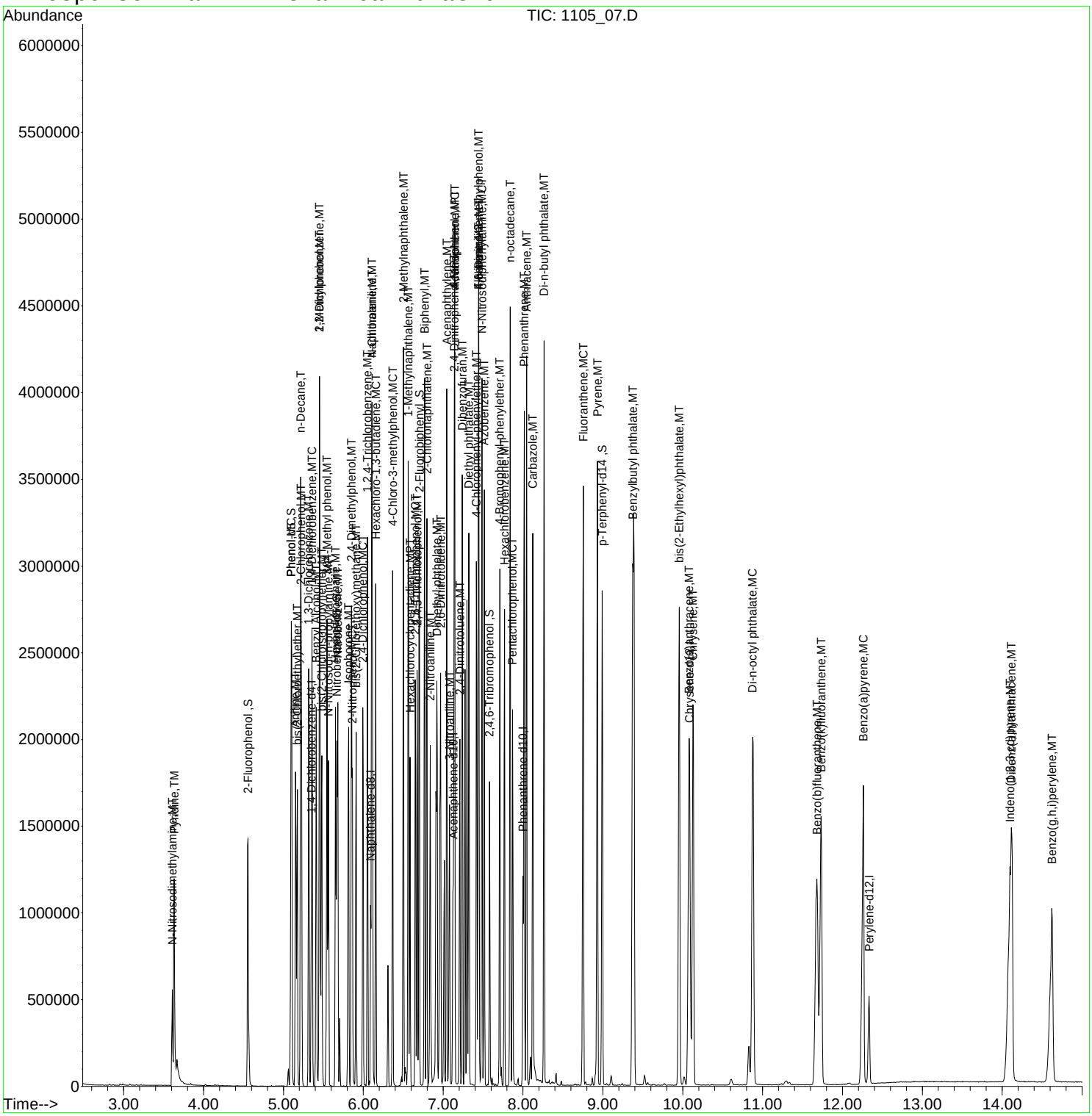
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_07.D Vial: 7
Acq On : 5 Nov 2011 1:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:12 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:10:39 2011
Response via : Initial Calibration

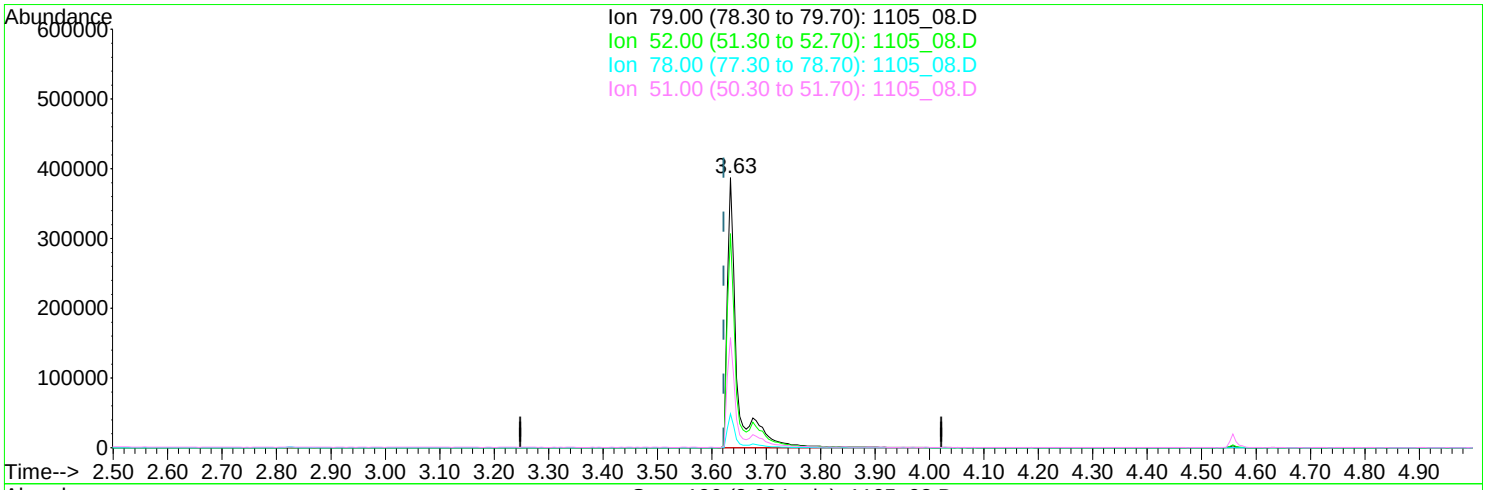


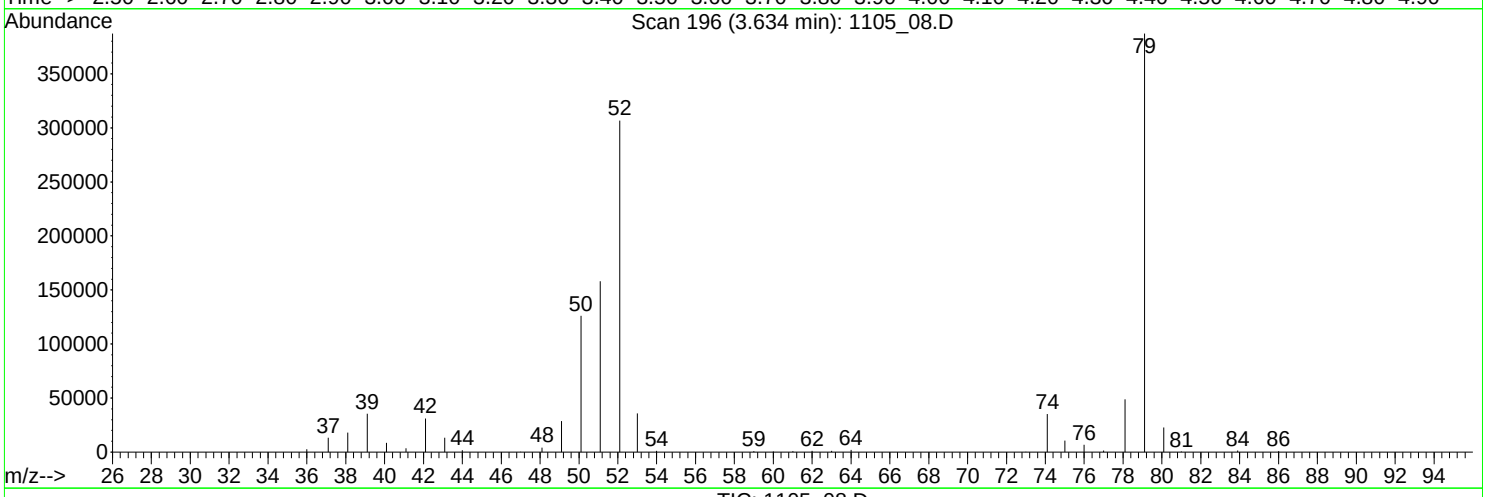
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:22 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(2) Pyridine (TM)

3.63min (+0.012) 40370.8467863 ppb

Qvalue = 97

response 489923

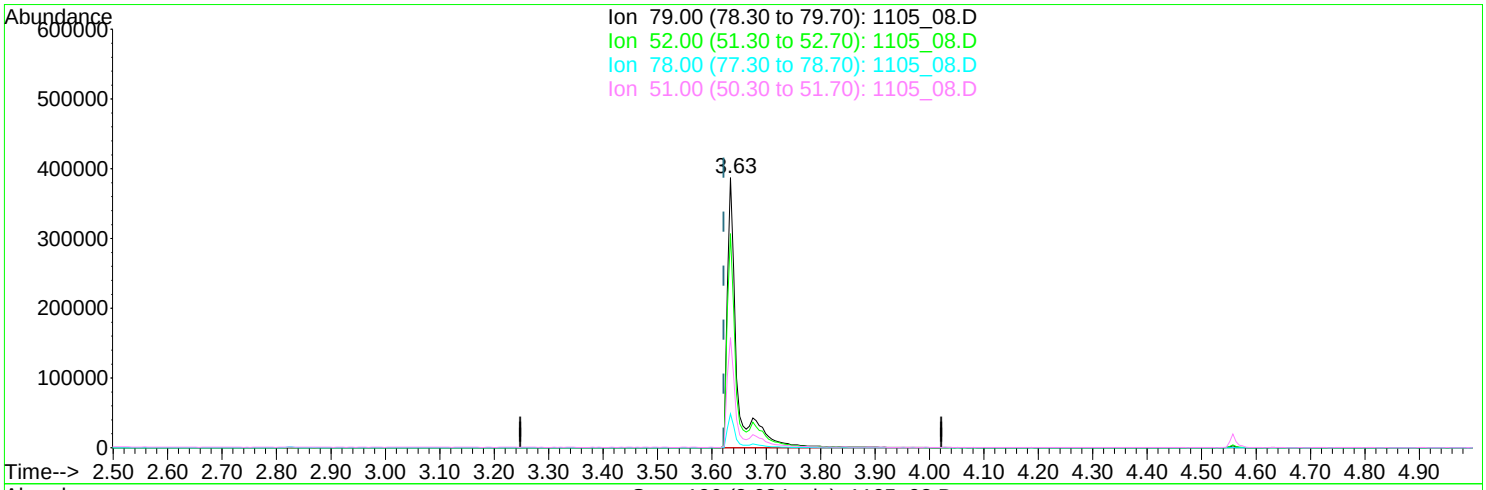
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	79.22
78.00	12.00	12.59
51.00	42.90	40.66

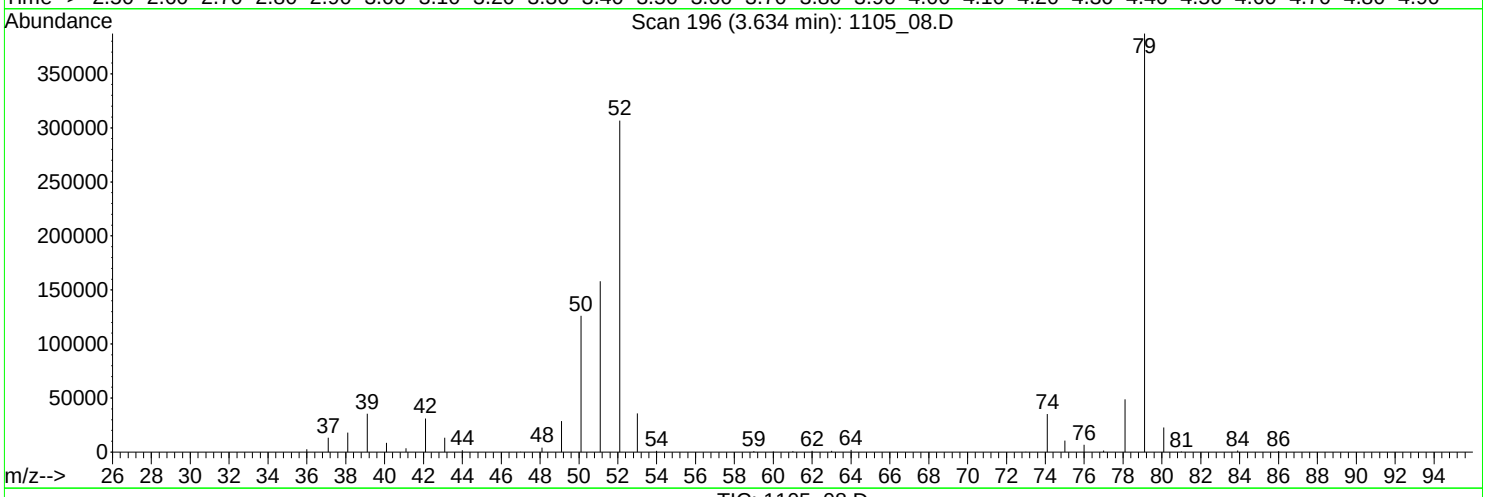
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(2) Pyridine (TM)

3.63min (+0.012) 40413.4488437 ppb m

response 490440

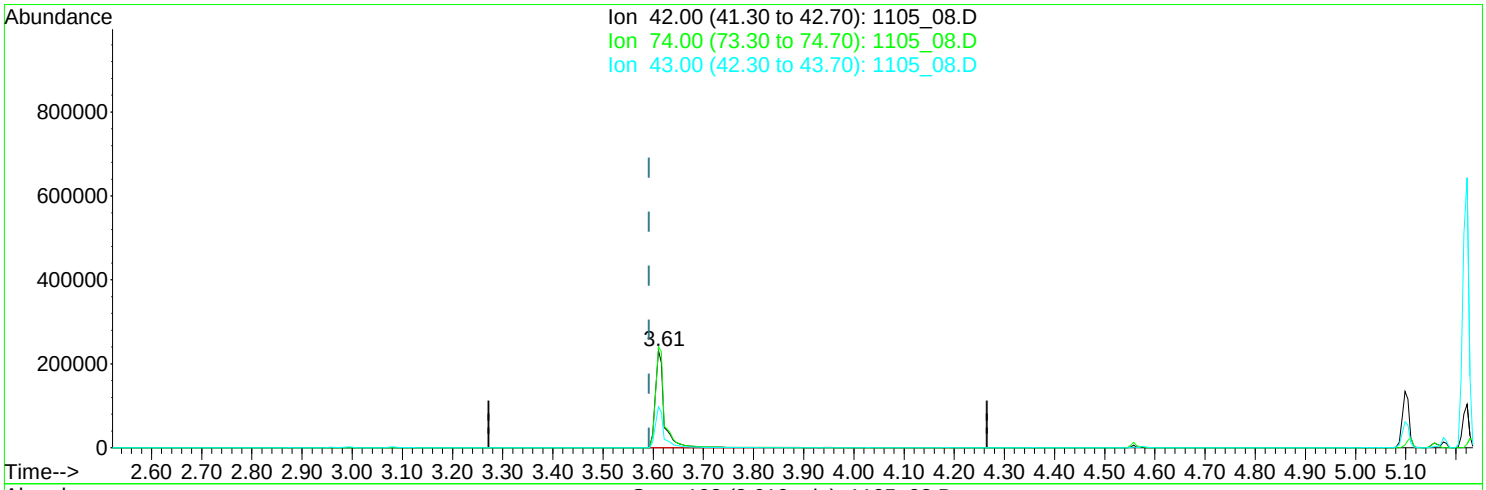
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	79.22
78.00	12.00	12.59
51.00	42.90	40.81

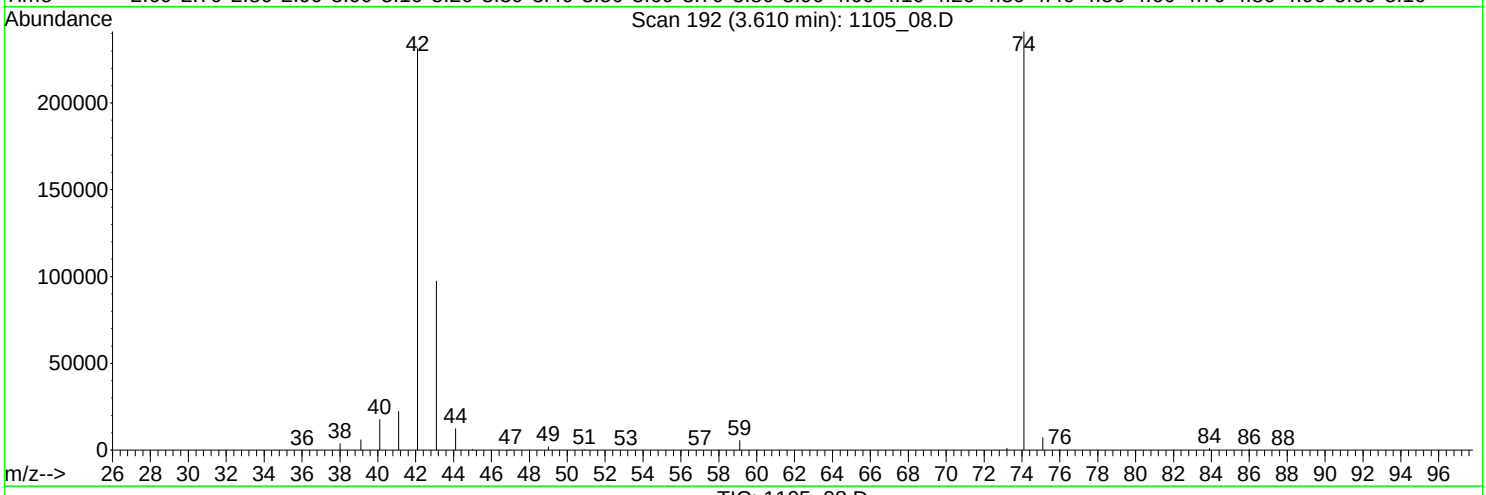
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(3) N-Nitrosodimethylamine (MT)

3.61min (+0.018) 40678.6929640 ppb

Qvalue = 93

response 296945

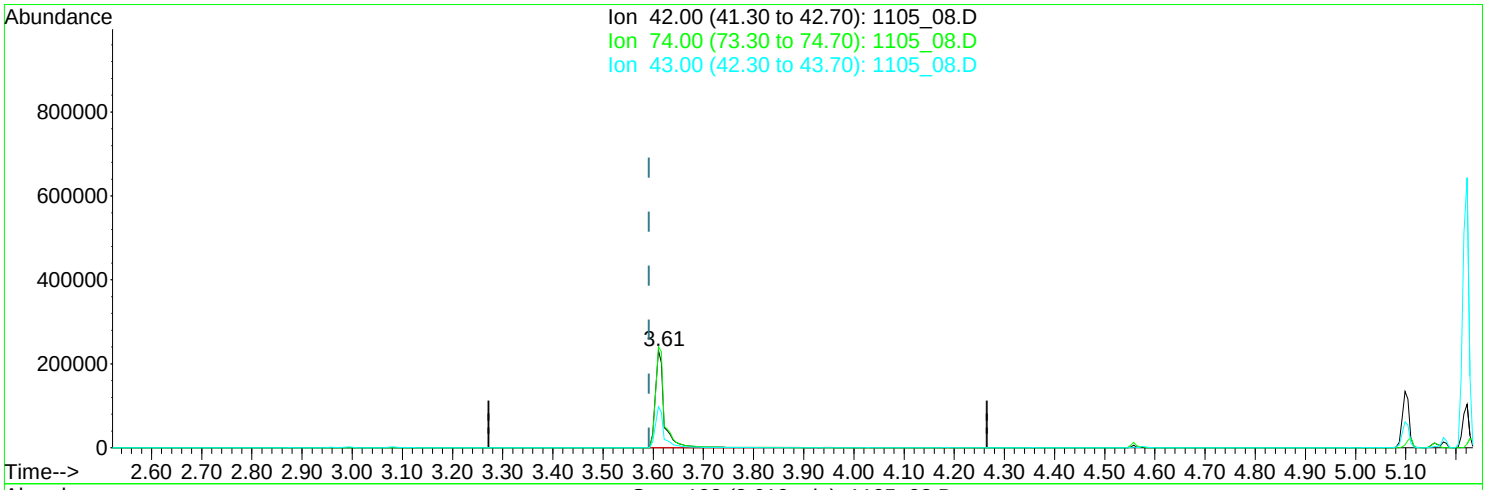
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	104.06
43.00	39.20	41.88
0.00	0.00	0.00

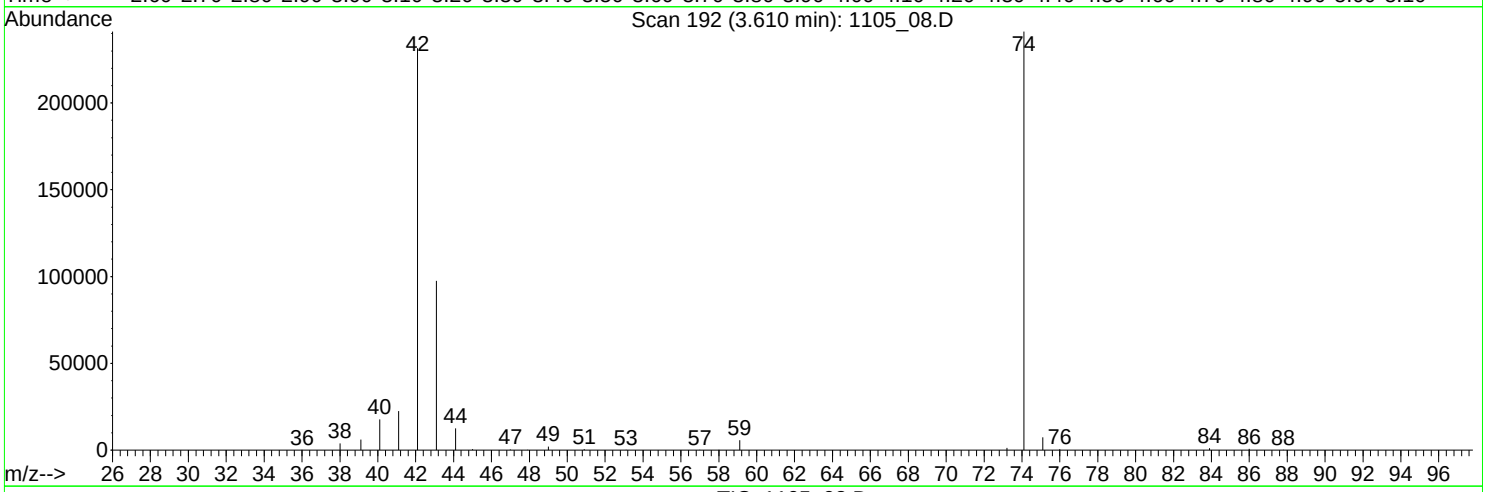
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(3) N-Nitrosodimethylamine (MT)

3.61min (+0.018) 40723.7628928 ppb m

response 297274

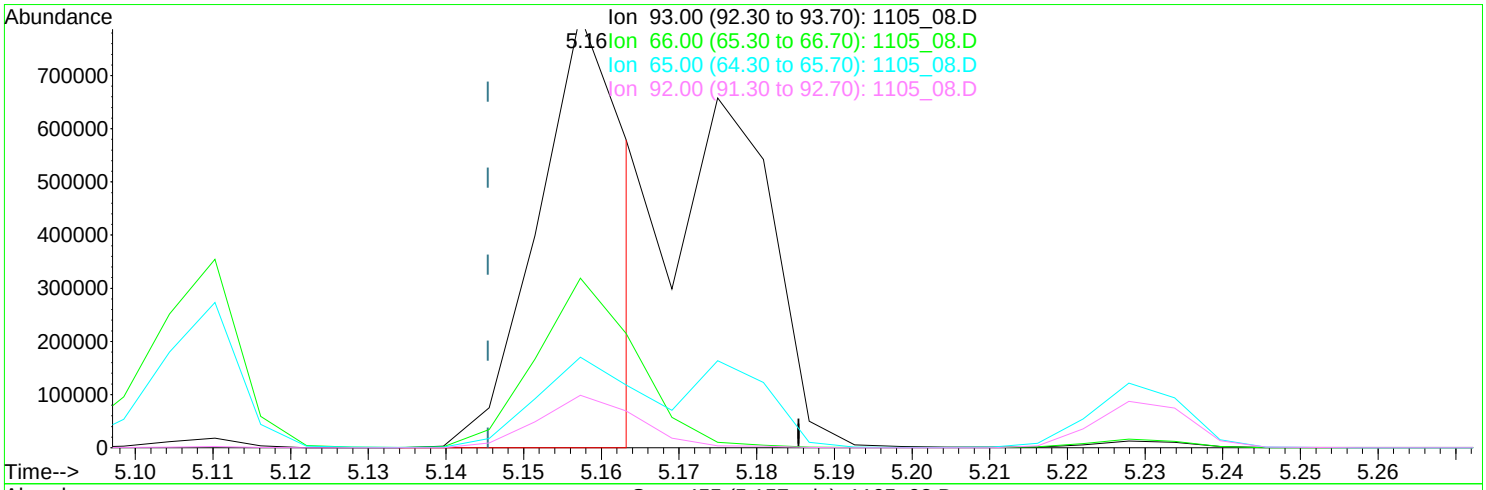
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	103.95
43.00	39.20	41.83
0.00	0.00	0.00

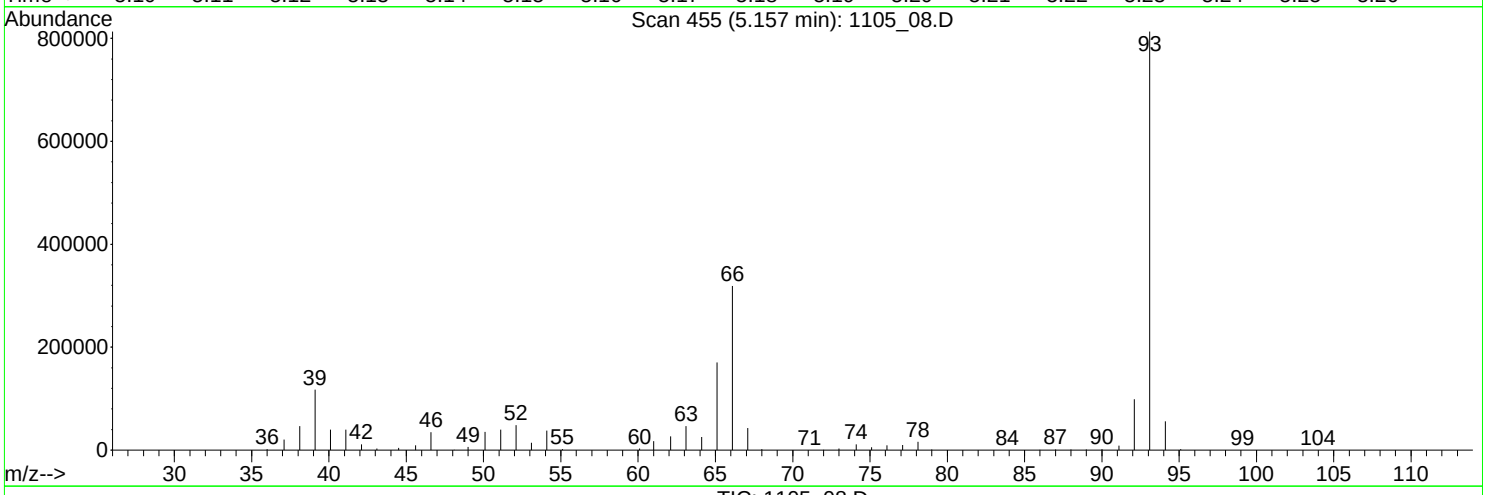
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(5) Aniline (MT)

5.16min (+0.012) 38332.9323872 ppb

Qvalue = 99

response 659630

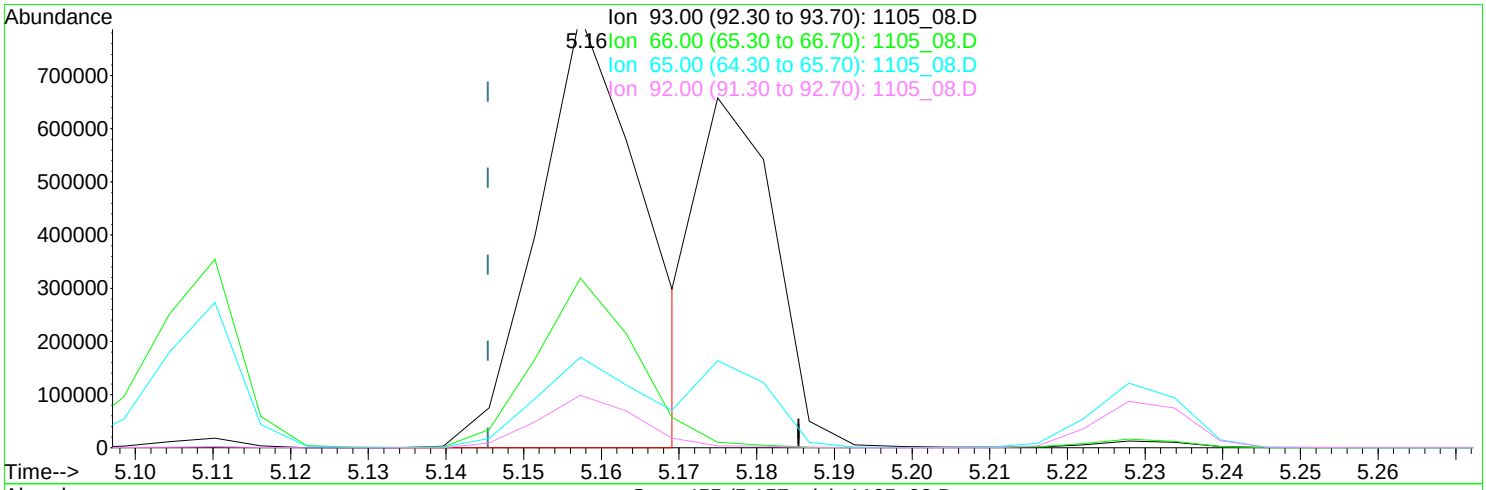
Ion	Exp%	Act%
93.00	100	100
66.00	38.60	39.24
65.00	21.40	21.21
92.00	12.00	12.11

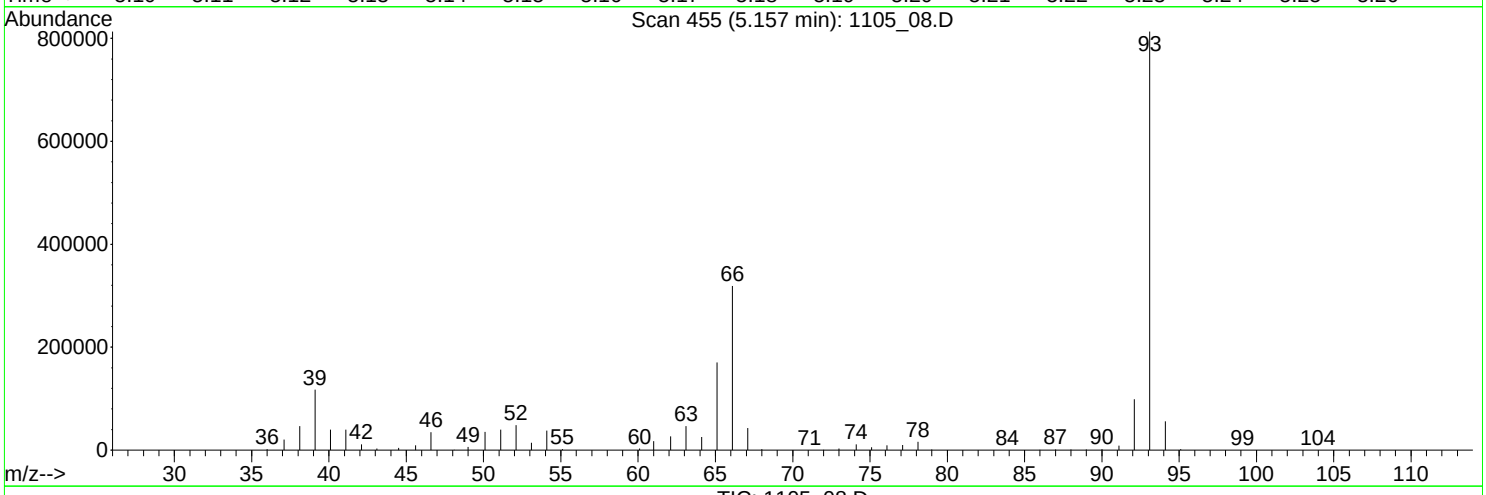
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(5) Aniline (MT)

5.16min (+0.012) 44454.3000720 ppb m

response 764966

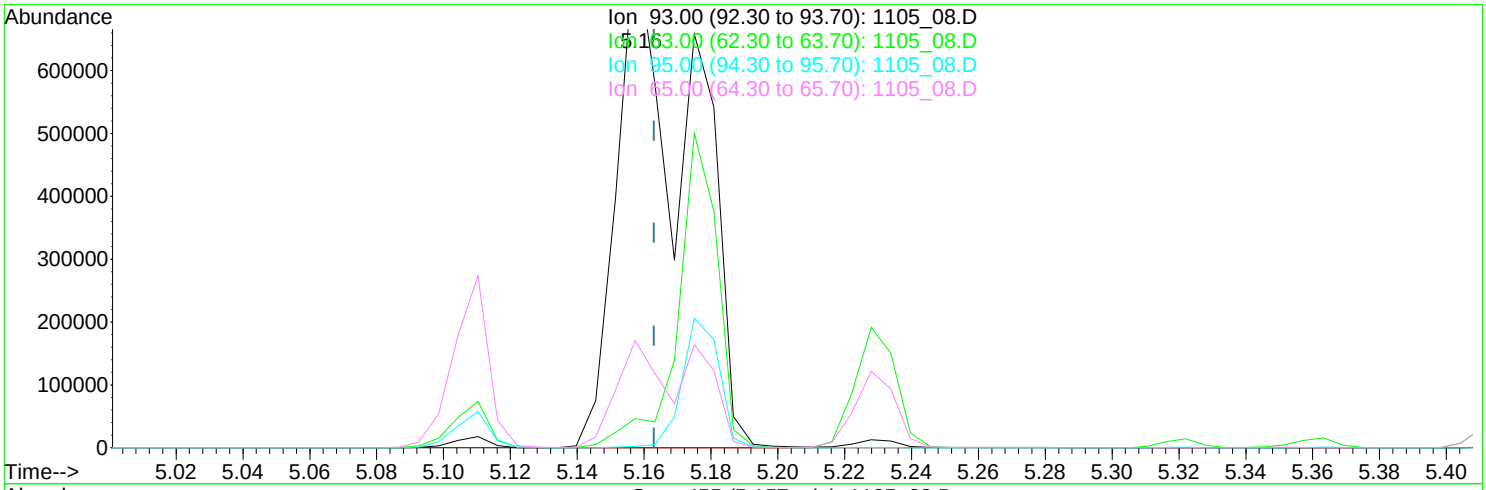
Ion	Exp%	Act%
93.00	100	100
66.00	38.60	33.84
65.00	21.40	18.29
92.00	12.00	10.45

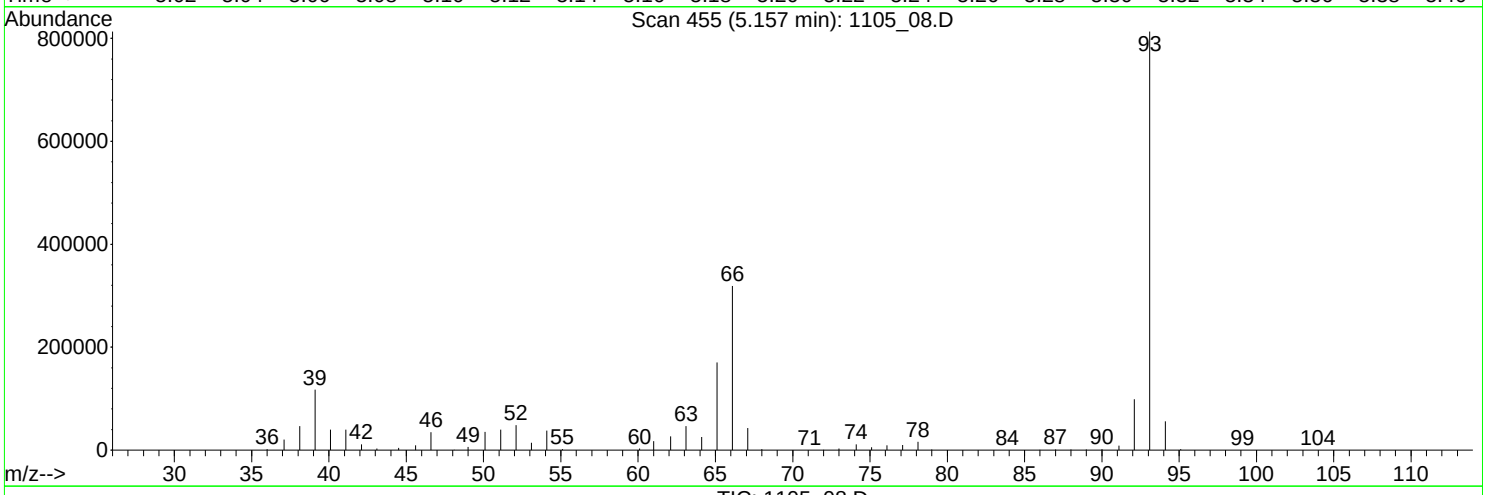
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(6) bis(2-Chloroethyl)ether (MT)

5.16min (-0.006) 99693.6571824 ppb

Qvalue = 40

response 1210136

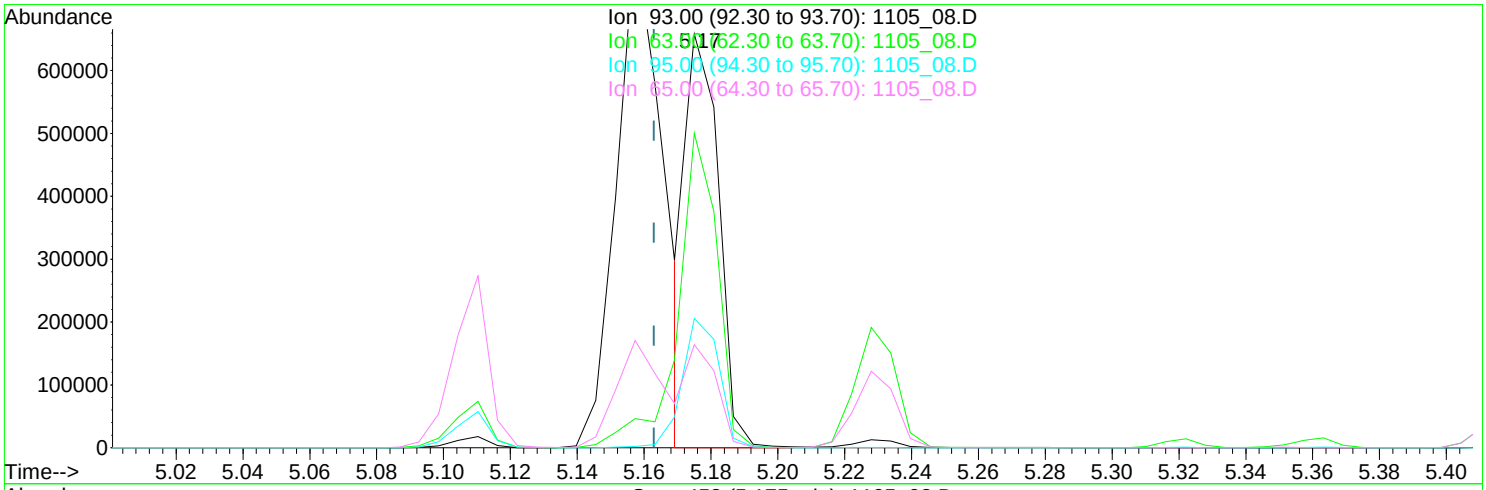
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	5.69#
95.00	31.70	0.22#
65.00	23.80	20.88

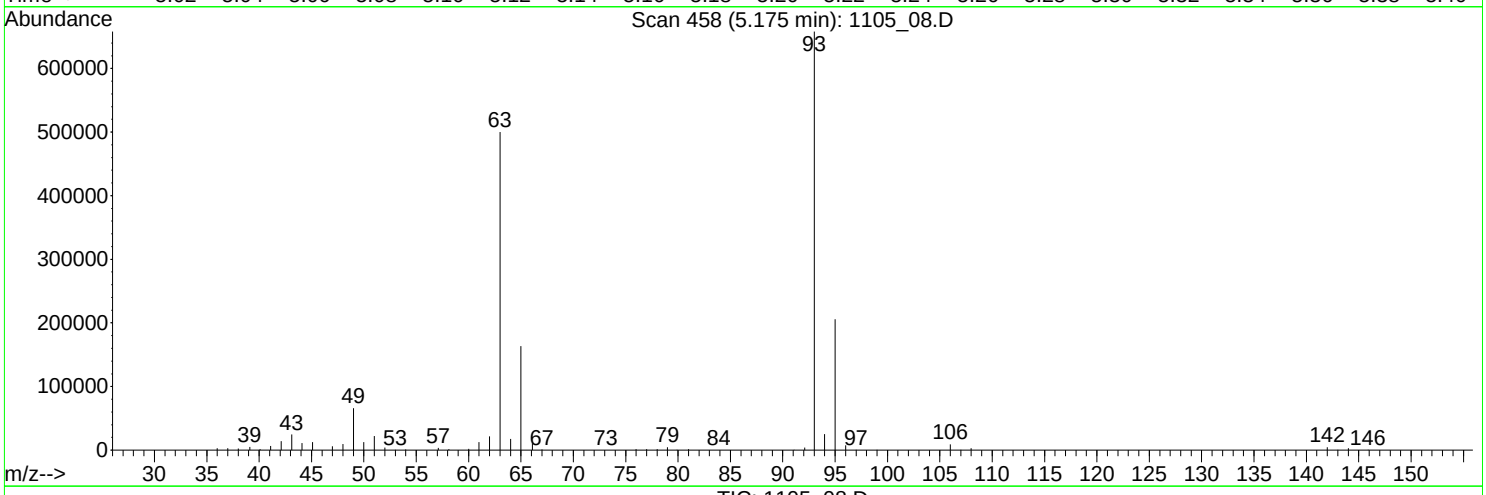
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:13 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.012) 36634.6196676 ppb m

response 444691

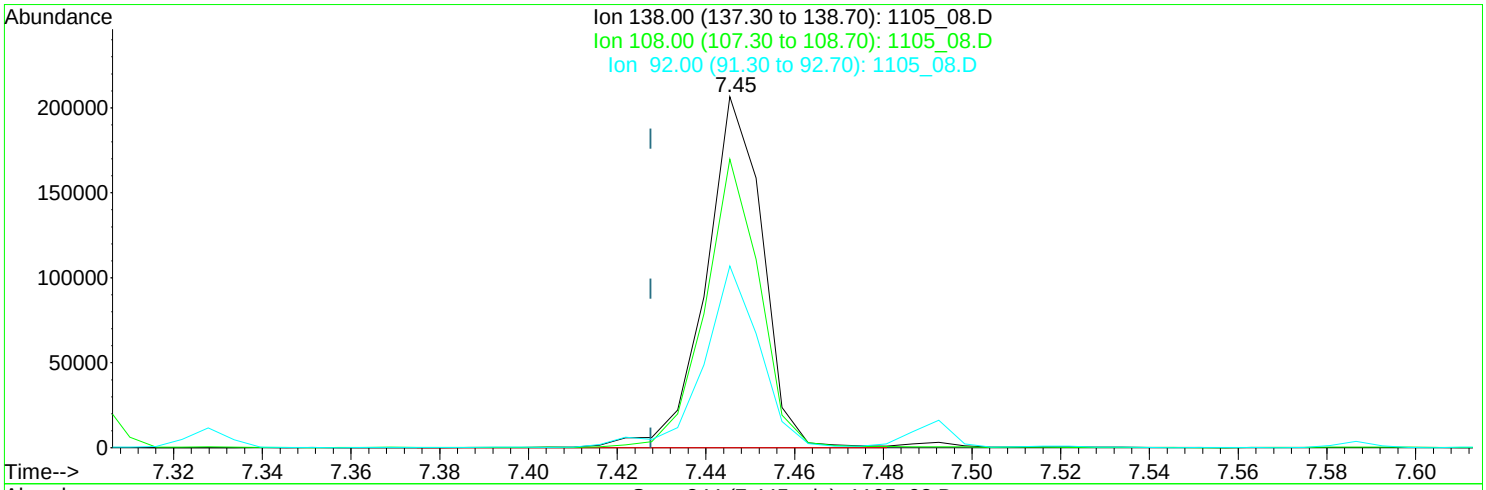
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	76.02
95.00	31.70	31.25
65.00	23.80	24.88

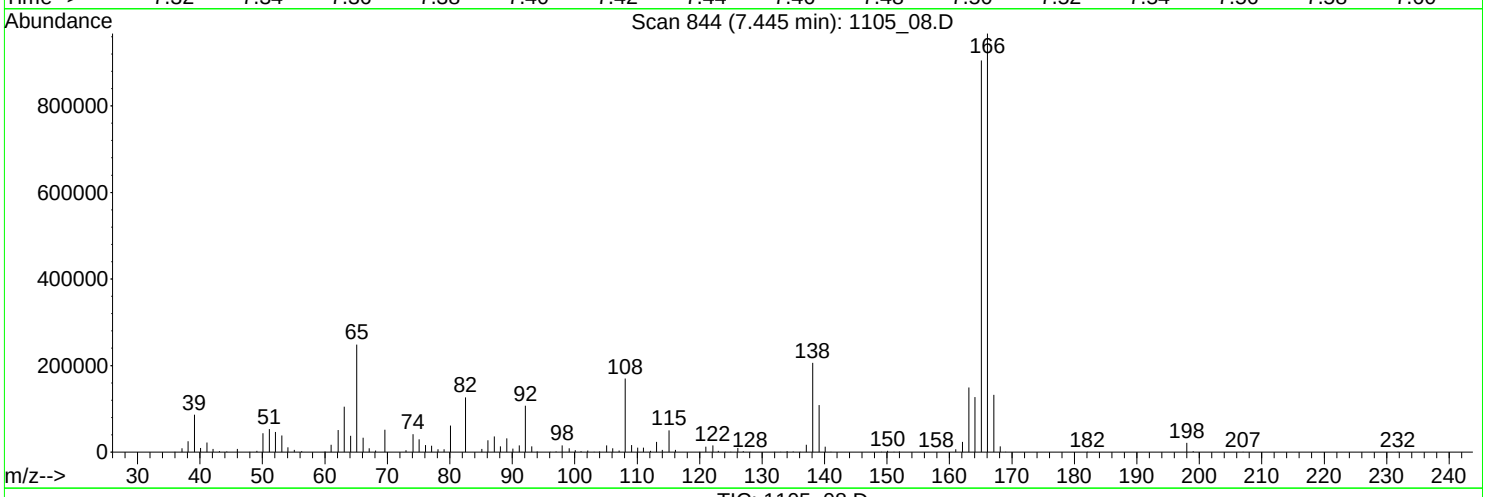
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:14 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(61) 4-Nitroaniline (MT)

7.45min (+0.018) 43430.2226185 ppb

Qvalue = 98

response 183927

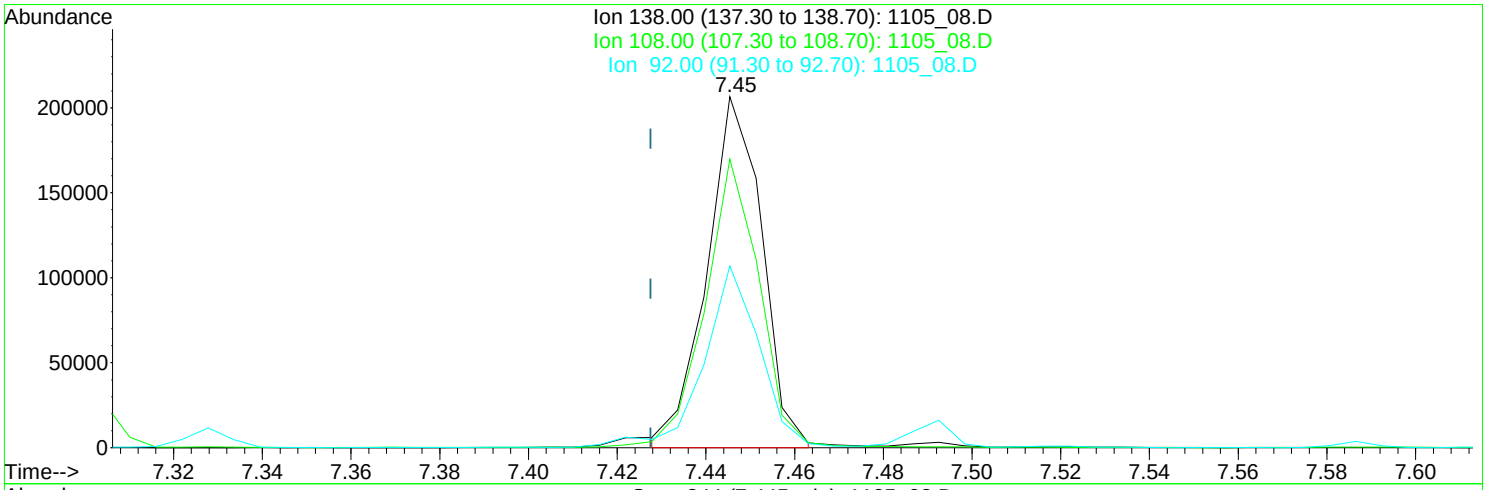
Ion	Exp%	Act%
138.00	100	100
108.00	80.70	79.47
92.00	48.80	50.78
0.00	0.00	0.00

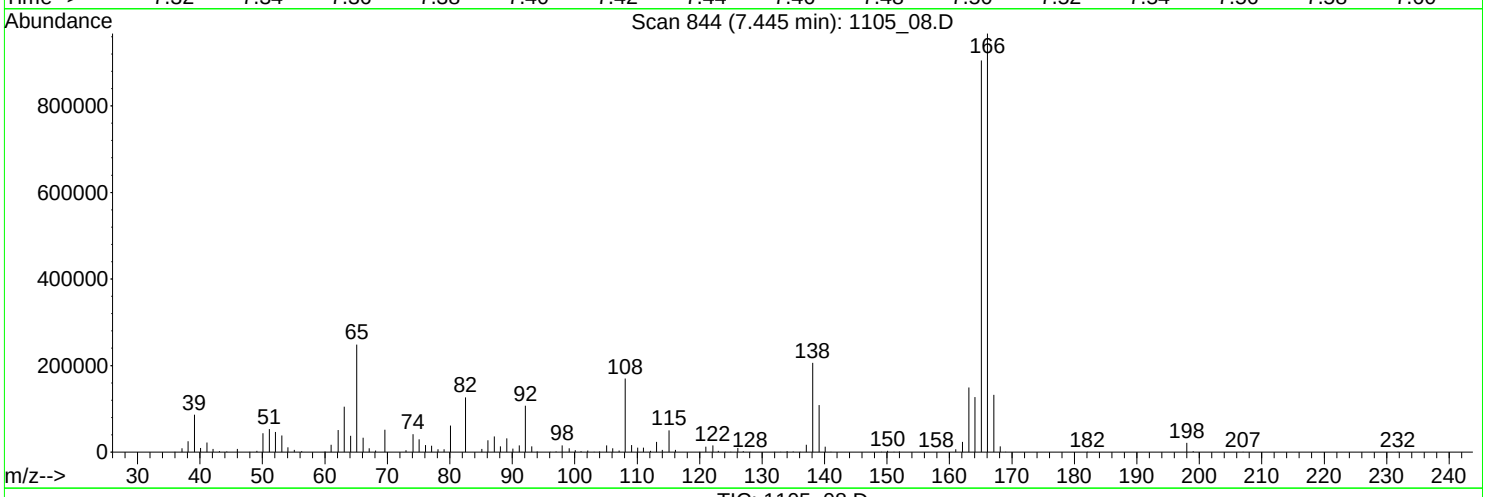
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:14 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(61) 4-Nitroaniline (MT)

7.45min (+0.018) 41880.5178387 ppb m

response 177364

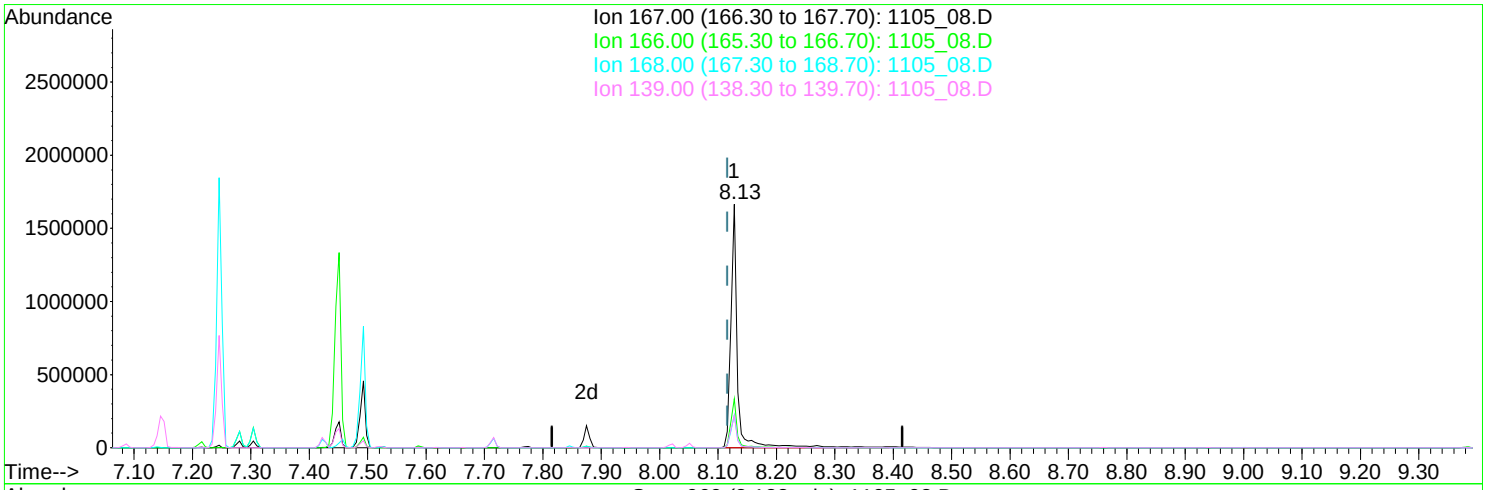
Ion	Exp%	Act%
138.00	100	100
108.00	80.70	82.41
92.00	48.80	52.65
0.00	0.00	0.00

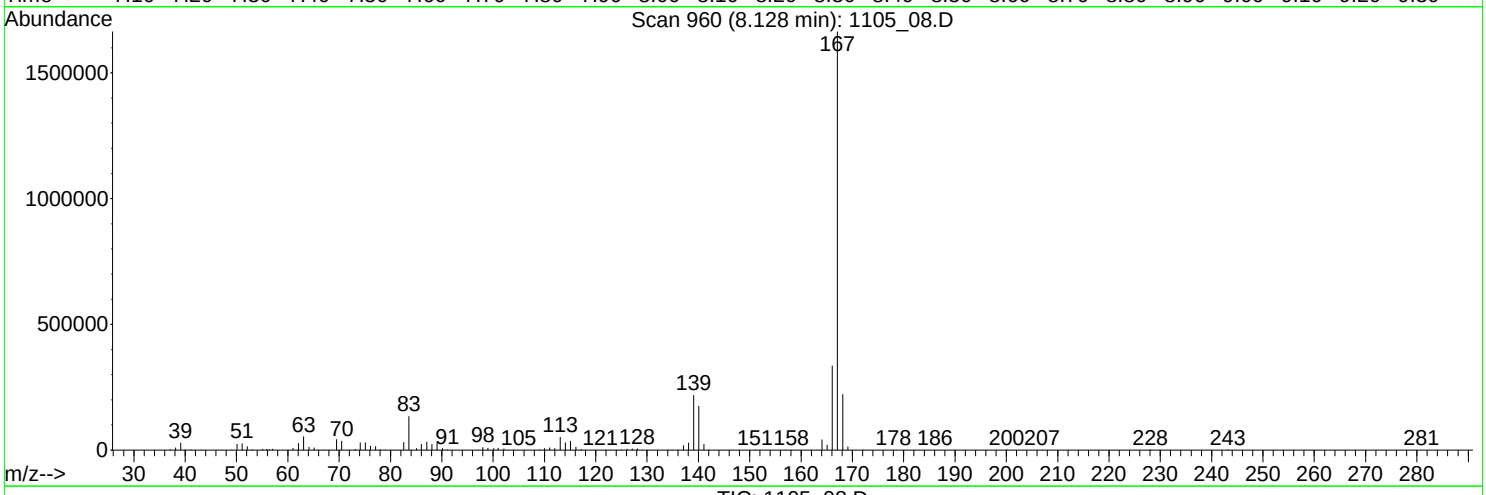
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:14 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(74) Carbazole (MT)

8.13min (+0.012) 38606.9473668 ppb

Qvalue = 99

response 1298558

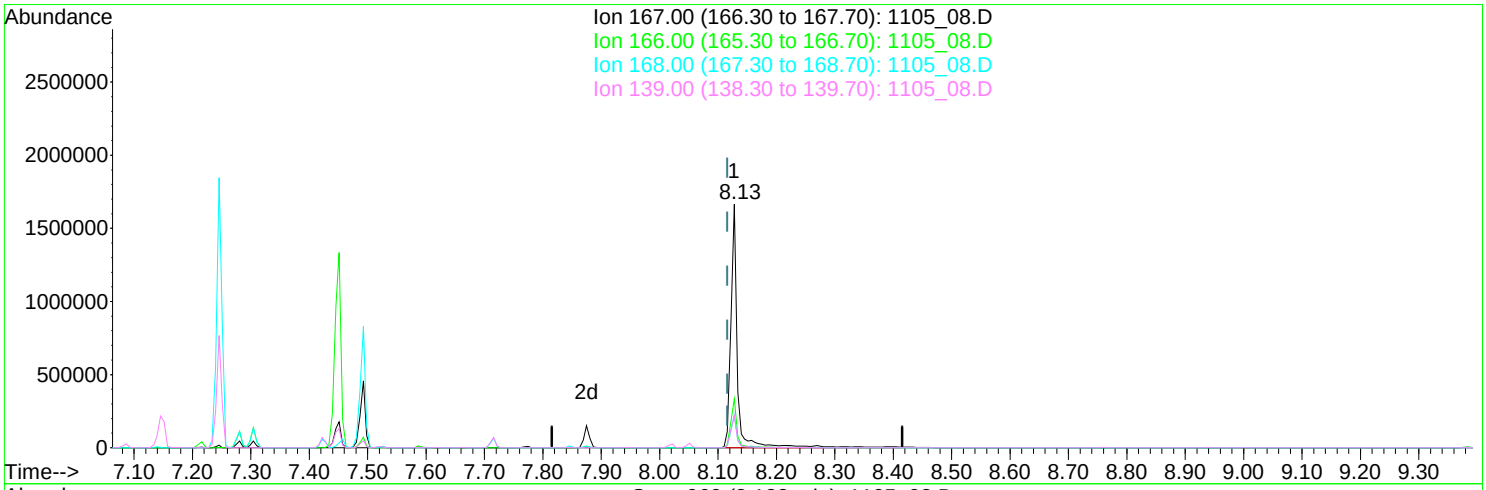
Ion	Exp%	Act%
167.00	100	100
166.00	20.30	20.50
168.00	13.00	13.42
139.00	13.10	13.56

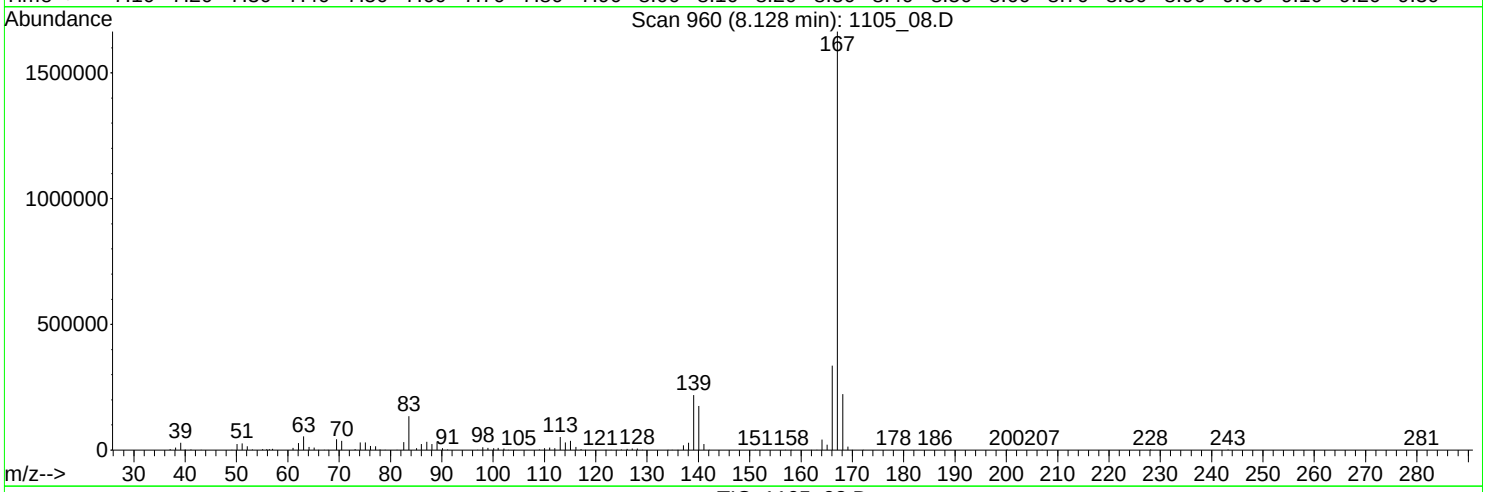
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:14 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(74) Carbazole (MT)

8.13min (+0.012) 38804.8344397 ppb m

response 1305214

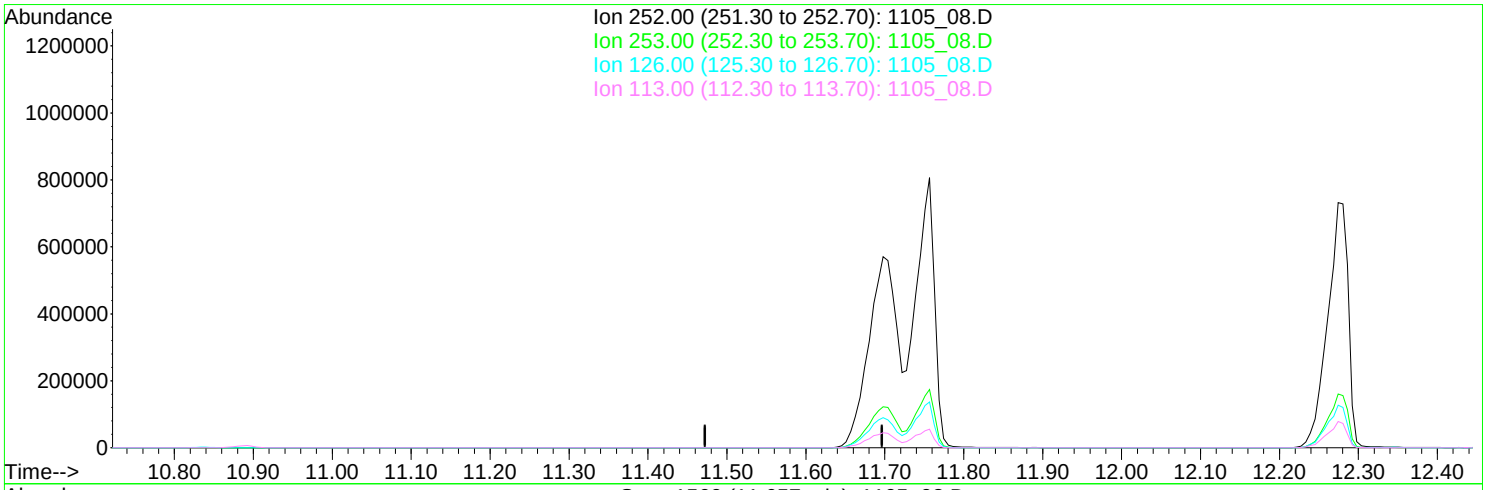
Ion	Exp%	Act%
167.00	100	100
166.00	20.30	20.39
168.00	13.00	13.35
139.00	13.10	13.49

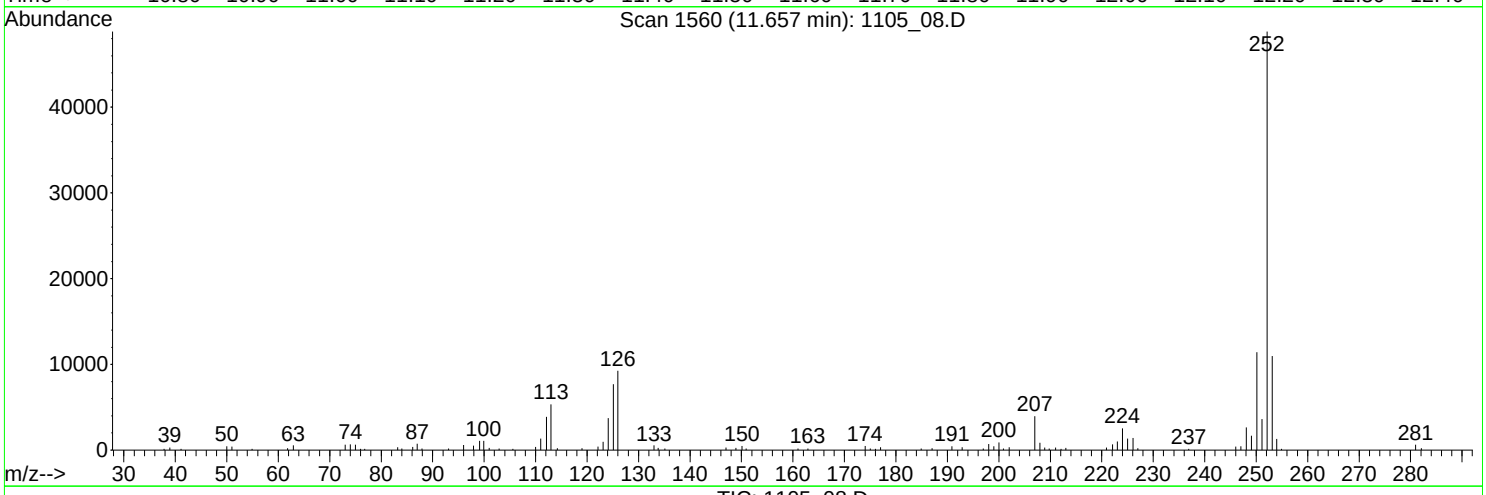
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:14 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

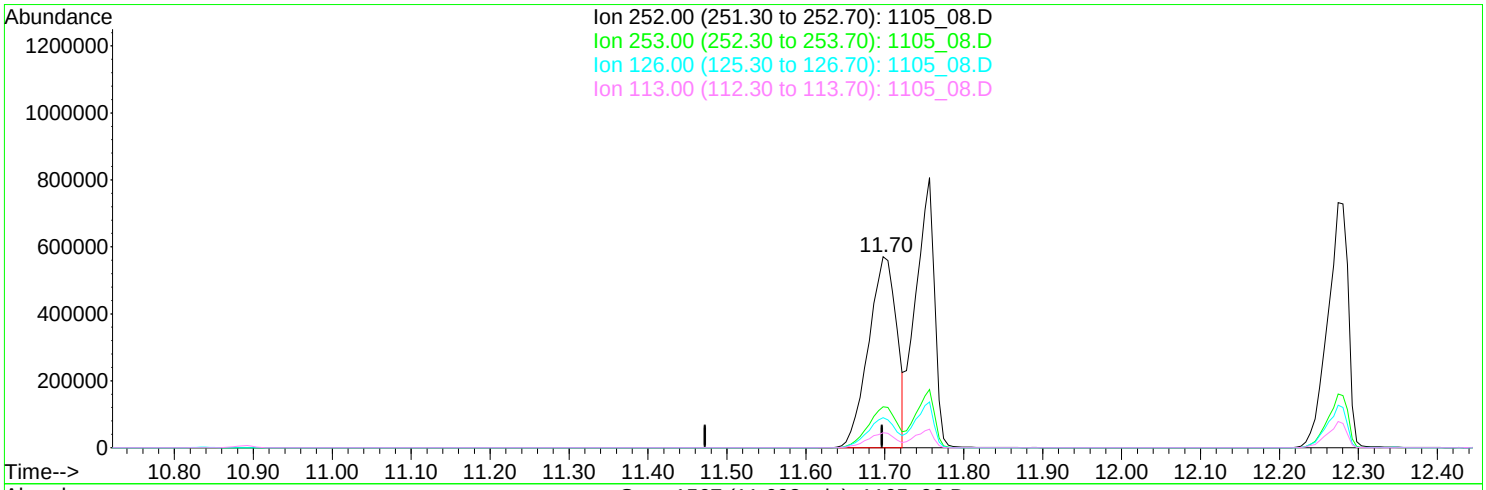
Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

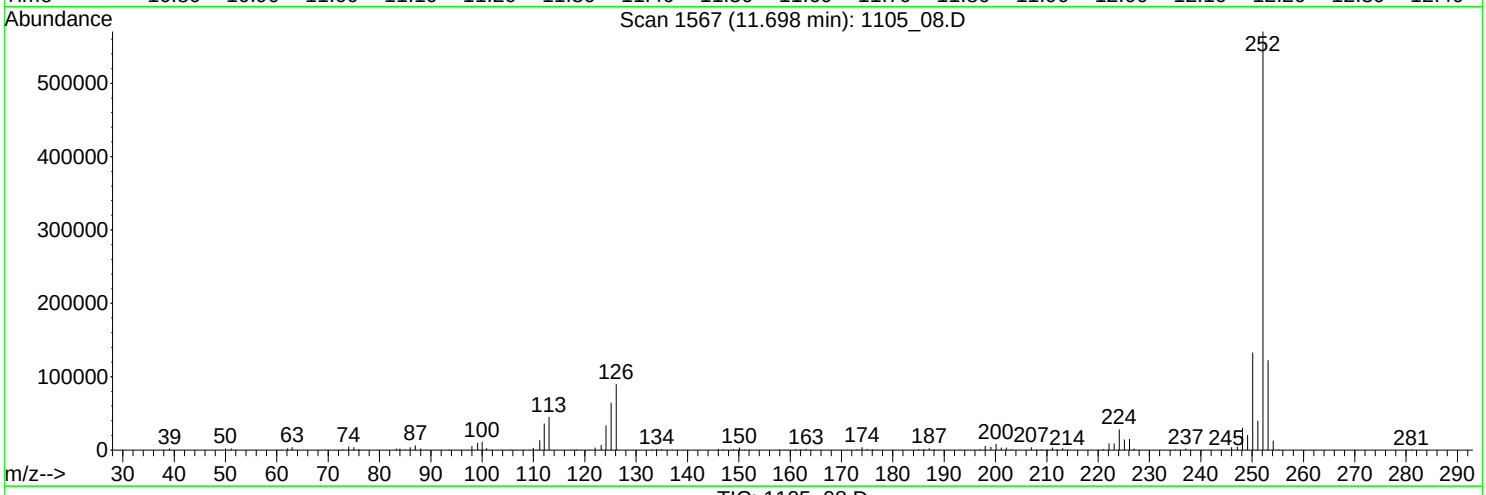
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:15 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Multiple Level Calibration





TIC: 1105_08.D

(89) Benzo(b)fluoranthene (MT)

11.70min (+0.041) 43525.4749556 ppb m

response 1406018

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.49
126.00	17.40	15.78
113.00	8.40	7.95

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377
Sample : STD SVMS 40000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:15 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	67796	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	276073	8000.00 ppb	0.00
40) Acenaphthene-d10	7.13	164	147498	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	245581	8000.00 ppb	0.00
78) Chrysene-d12	10.11	240	219457	8000.00 ppb	0.02
88) Perylene-d12	12.35	264	218940	8000.00 ppb	0.01

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	442867	41479.0014306 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery = 207395.01%#		
7) Phenol-d5	5.10	99	531968	42925.5482651 ppb	0.01
Spiked Amount 20.000	Range 10 - 63		Recovery = 214627.74%#		
23) Nitrobenzene-d5	5.67	82	610482	39657.5844977 ppb	0.02
Spiked Amount 10.000	Range 17 - 119		Recovery = 396575.84%#		
44) 2-Fluorobiphenyl	6.70	172	959648	37817.2297728 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 378172.30%#		
67) 2,4,6-Tribromophenol	7.59	330	141340	43054.5546557 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery = 215272.77%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 419280.54%#		

Target Compounds					Qvalue
2) Pyridine	3.63	79	490440m	40413.4488437 ppb	
3) N-Nitrosodimethylamine	3.61	42	297274m	40723.7628928 ppb	
5) Aniline	5.16	93	764966m	44454.3000720 ppb	
6) bis(2-Chloroethyl)ether	5.17	93	444691m	36634.6196676 ppb	
8) Phenol	5.11	94	614375	41207.4327228 ppb	98
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.23	128	478724	40749.8057339 ppb	97
11) n-Decane	5.22	41	276146	34604.3543086 ppb	97
12) 1,3-Dichlorobenzene	5.32	146	525608	40257.1364010 ppb	97
13) 1,4-Dichlorobenzene	5.36	146	520164	39916.5104901 ppb	100
14) Benzyl Alcohol	5.42	79	442574	43574.0625519 ppb	99
15) 1,2-Dichlorobenzene	5.45	146	487275	39349.0605479 ppb	96
16) bis(2-Chloroisopropyl)ethe	5.48	121	158290	38865.7718781 ppb	98
17) 2-Methylphenol	5.46	108	434549	38911.5062631 ppb	98
18) Hexachloroethane	5.66	117	222174	41856.5879289 ppb	98
19) N-Nitrosodi-n-propylamine	5.57	70	372519	40554.9992769 ppb	98
20) 3&4-Methyl phenol	5.55	107	494759	41732.7888578 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377
Sample : STD SVMS 40000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:15 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21) Acetophenone	0.00	105	0	N.D.	d		
24) Nitrobenzene	5.69	77	544571	39189.5248123	ppb		94
25) Isophorone	5.82	82	1011759	39912.1806775	ppb		99
26) 2-Nitrophenol	5.87	139	249297	41532.0892659	ppb	#	75
27) 2,4-Dimethylphenol	5.86	107	460162	37144.0704626	ppb		97
28) bis(2-Chlorethoxy)methane	5.91	93	593979	41118.3343410	ppb		99
29) 2,4-Dichlorophenol	6.00	162	398716	40208.4666884	ppb		96
30) Benzoic Acid	0.00	105	0	N.D.	d		
31) 1,2,4-Trichlorobenzene	6.06	180	436923	39747.8809832	ppb		99
32) Naphthalene	6.11	128	1430756	38451.2712188	ppb		99
33) 4-Chloroaniline	6.12	65	184518	37501.1353935	ppb		94
34) Hexachloro-1,3-butadiene	6.16	225	256873	39638.2572207	ppb		98
35) Caprolactam	0.00	113	0	N.D.	d		
36) 4-Chloro-3-methylphenol	6.37	107	460569	41916.4845904	ppb		97
37) 2-Methylnaphthalene	6.51	142	919561	38509.7742599	ppb		99
38) 1-Methylnaphthalene	6.57	142	928485	39020.5098559	ppb		98
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41) Hexachlorocyclopentadiene	6.59	237	238479	40857.8021431	ppb		90
42) 2,4,6-Trichlorophenol	6.66	196	284395	40654.4445780	ppb		96
43) 2,4,5-Trichlorophenol	6.68	196	298256	40685.8510259	ppb		98
45) Biphenyl	6.77	154	1075186	37600.9247350	ppb		99
46) 2-Chloronaphthalene	6.80	162	840724	39356.2041519	ppb		99
47) 2-Nitroaniline	6.85	138	297587	43069.7202103	ppb		96
48) Acenaphthylene	7.05	152	1321764	38716.9675441	ppb		100
49) Dimethyl phthalate	6.93	163	994355	39797.3336073	ppb		100
50) 2,6-Dinitrotoluene	6.97	165	228577	41082.9328393	ppb		93
51) 3-Nitroaniline	7.09	138	222314	38840.7160311	ppb		95
52) Acenaphthene	7.15	153	832026	37335.1758090	ppb		99
53) 2,4-Dinitrophenol	7.14	184	108785	73821.5268612	ppb	#	64
54) Dibenzofuran	7.25	168	1169340	39255.5166140	ppb		100
55) 2,4-Dinitrotoluene	7.22	165	308250	42278.6631914	ppb		95
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	d		
57) 4-Nitrophenol	7.15	139	183514	46358.9333823	ppb		94
58) Fluorene	7.45	166	972182	38149.2324905	ppb		97
59) 4-Chlorophenyl-phenylether	7.42	204	458577	40016.1024302	ppb		94
60) Diethyl phthalate	7.33	149	1027232	39469.6789142	ppb		99
62) Azobenzene	7.52	77	1128602	39333.1720806	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:15 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63)	Atrazine	0.00	200	0	N.D. d		
65)	4,6-Dinitro-2-methylphenol	7.46	198	157495	49152.0434413	ppb	94
66)	N-Nitrosodiphenylamine	7.49	169	821103	37760.5662619	ppb	99
68)	4-Bromophenyl-phenylether	7.72	248	270736	38965.3459035	ppb	97
69)	Hexachlorobenzene	7.77	284	299177	37774.3753402	ppb	98
70)	n-octadecane	7.85	55	175035	32573.3617321	ppb	97
71)	Pentachlorophenol	7.87	266	204458	42988.9239364	ppb	96
72)	Phenanthrene	8.02	178	1410395	38794.3545985	ppb	98
73)	Anthracene	8.05	178	1354101	36432.1232377	ppb	99
74)	Carbazole	8.13	167	1305214m	38804.8344397	ppb	
75)	Di-n-butyl phthalate	8.27	149	1722564	34766.1778269	ppb	99
76)	2-nitrodiphenylamine	0.00	167	0	N.D. d		
77)	Fluoranthene	8.76	202	1540885	37869.7795054	ppb	99
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.94	202	1589795	40603.2119002	ppb	99
82)	Benzylbutyl phthalate	9.38	149	795539	39719.2007216	ppb	94
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	10.09	228	1385504	41187.5595816	ppb	99
85)	Chrysene	10.15	228	1287318	40431.4191910	ppb	99
86)	bis(2-Ethylhexyl)phthalate	9.97	149	1166439	39512.5667830	ppb	99
87)	Di-n-octyl phthalate	10.89	149	2023420	40747.0034715	ppb	100
89)	Benzo(b)fluoranthene	11.70	252	1406018m	43525.4749556	ppb	
90)	Benzo(k)fluoranthene	11.76	252	1337277	43404.7222378	ppb	99
91)	Benzo(a)pyrene	12.27	252	1337501	43301.4337052	ppb	98
92)	Indeno(1,2,3-cd)pyrene	14.13	276	1434107	41425.0217057	ppb	95
93)	Dibenz(a,h)anthracene	14.15	278	1156748	42037.6498722	ppb	96
94)	Benzo(g,h,i)perylene	14.66	276	1154246	38695.3720430	ppb	94

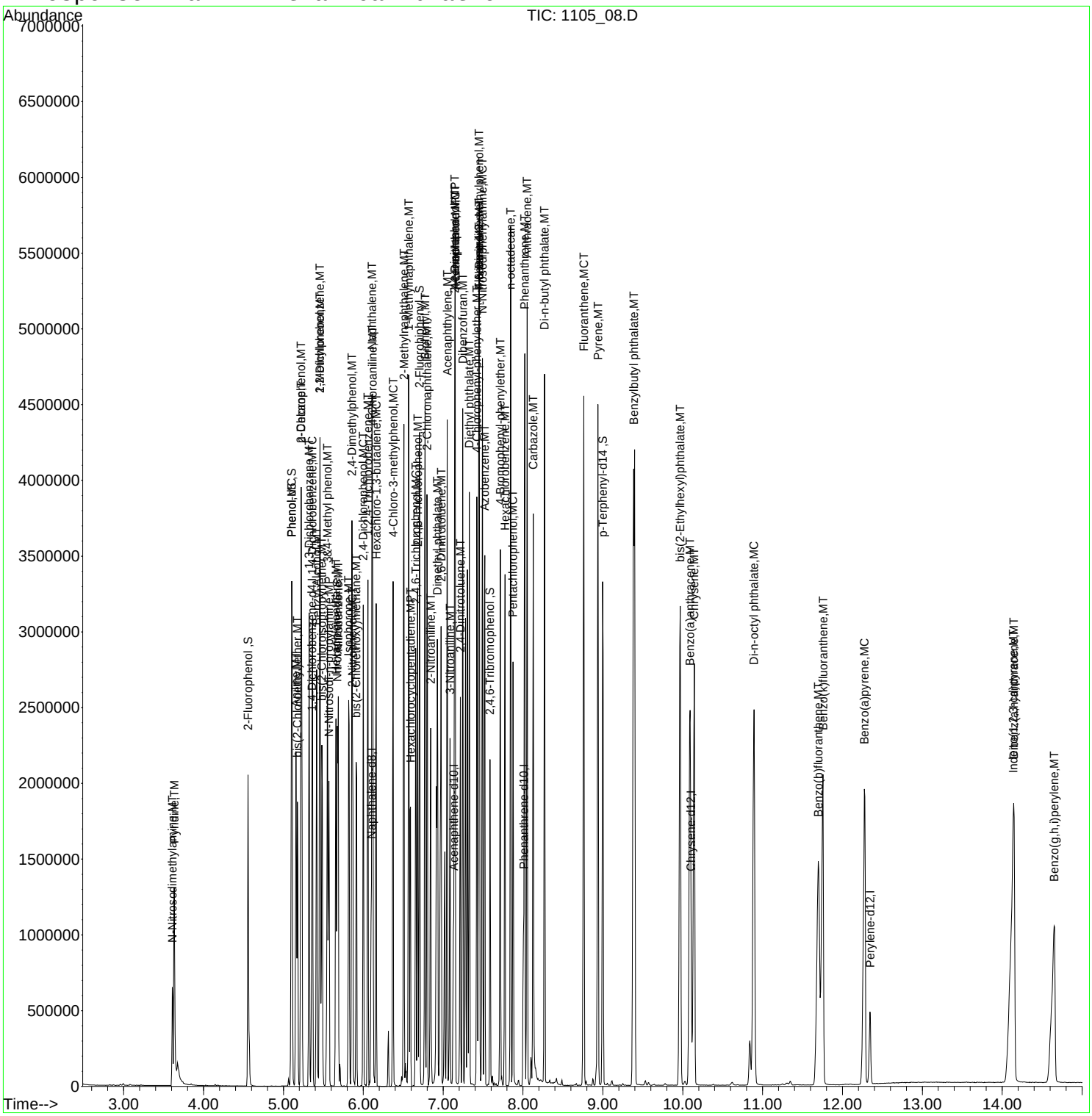
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_08.D Vial: 8
Acq On : 5 Nov 2011 2:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:15 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:12:41 2011
Response via : Initial Calibration

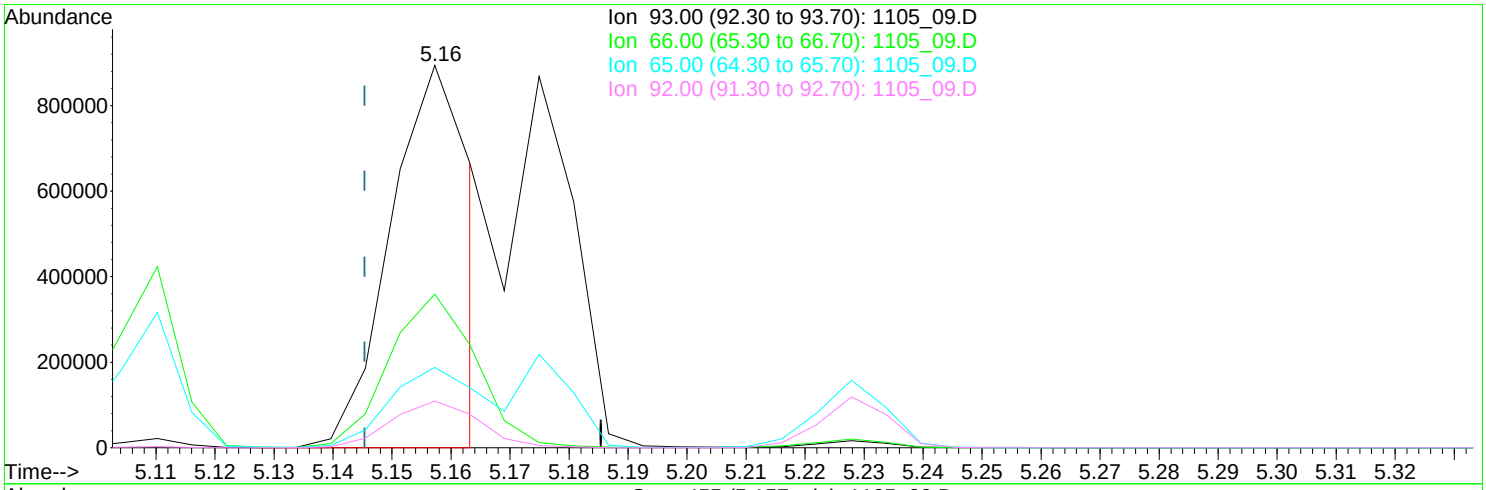


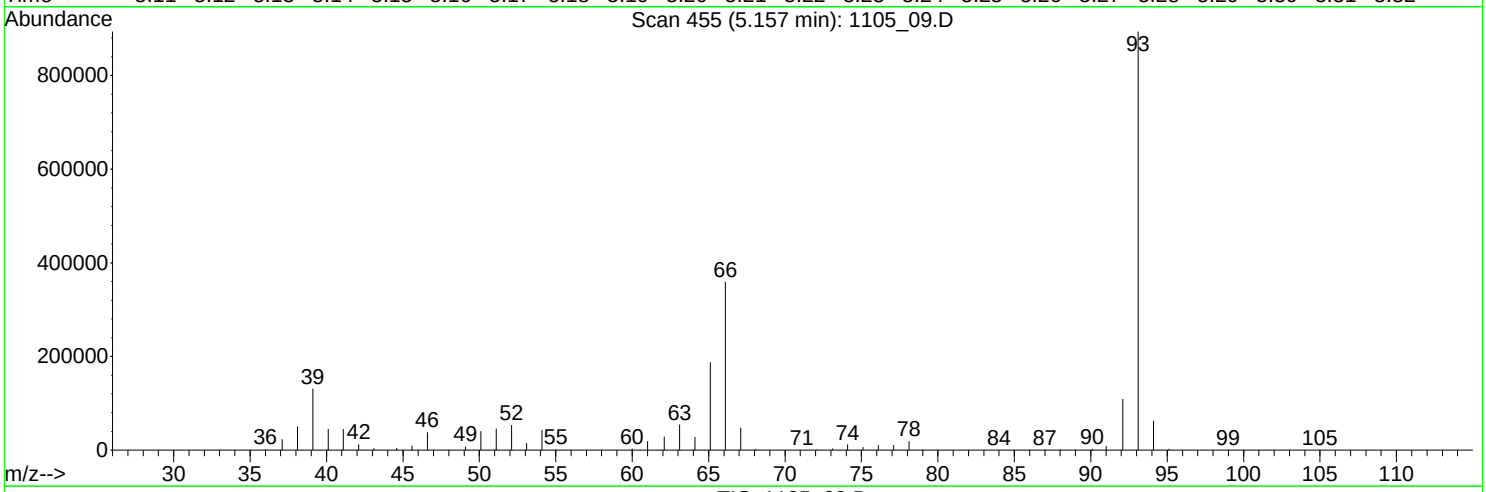
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 16:22 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(5) Aniline (MT)

5.16min (+0.012) 48486.5818473 ppb

Qvalue = 99

response 854241

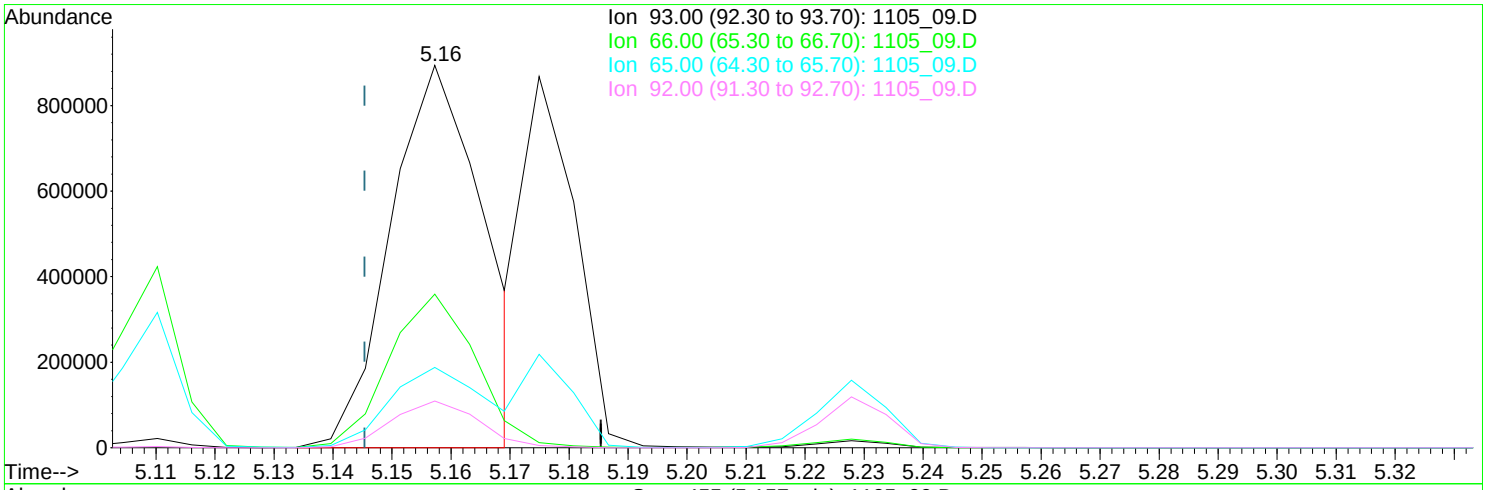
Ion	Exp%	Act%
93.00	100	100
66.00	38.60	39.42
65.00	21.40	21.25
92.00	12.00	12.00

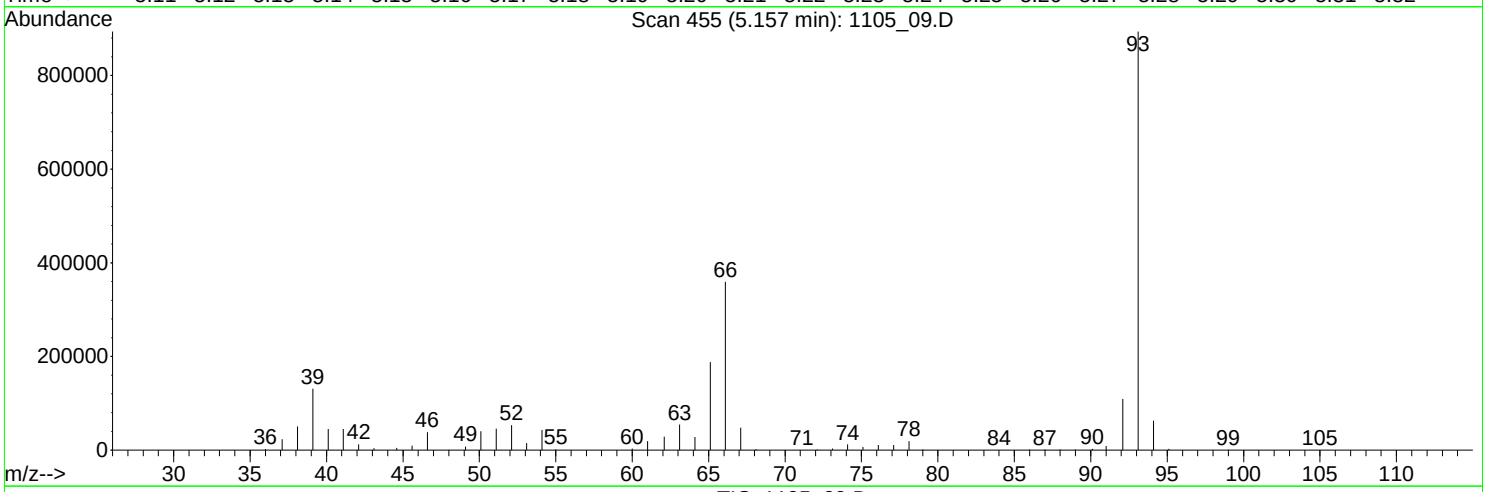
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(5) Aniline (MT)

5.16min (+0.012) 55838.6838264 ppb m

response 983771

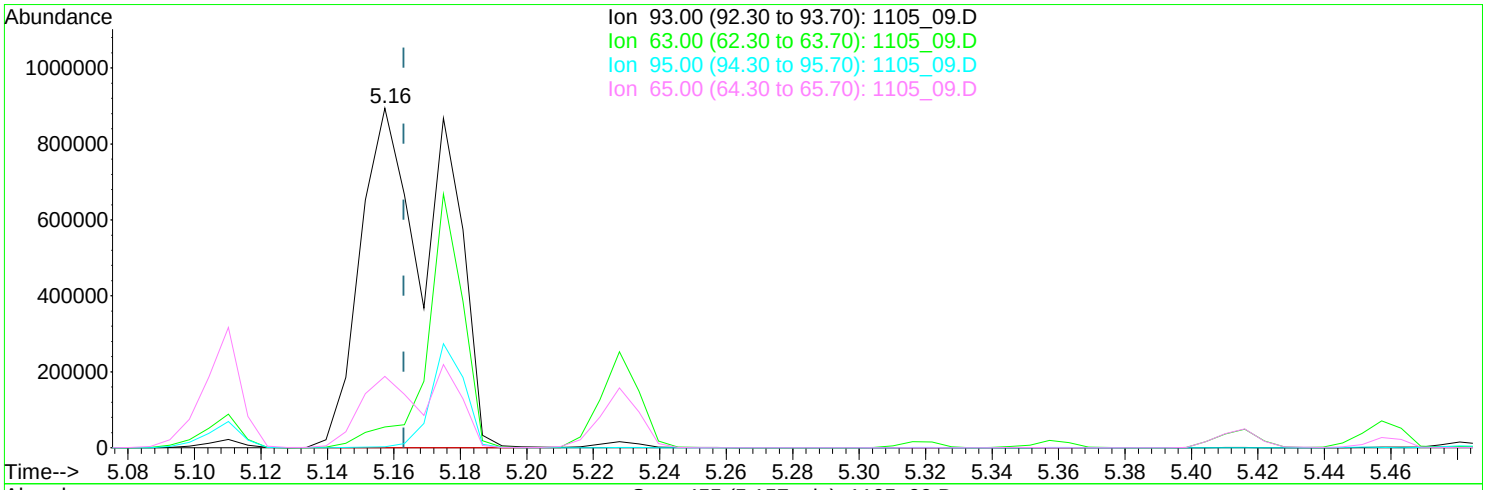
Ion	Exp%	Act%
93.00	100	100
66.00	38.60	34.23
65.00	21.40	18.45
92.00	12.00	10.42

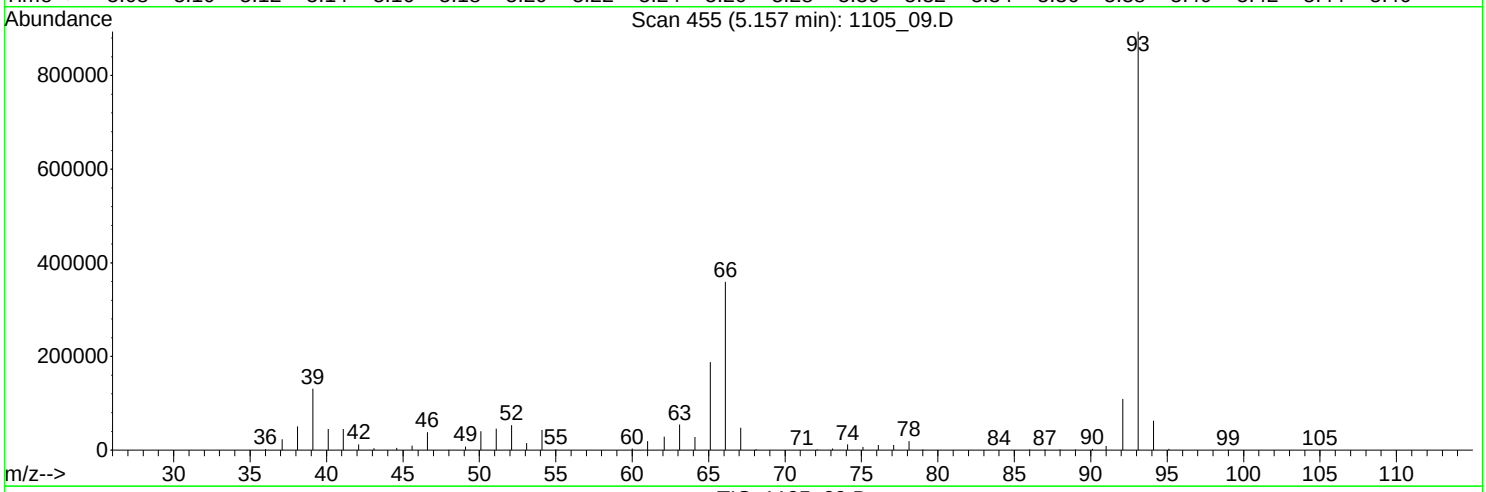
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(6) bis(2-Chloroethyl)ether (MT)

5.16min (-0.006) 121342.2314962 ppb

Qvalue = 40

response 1508027

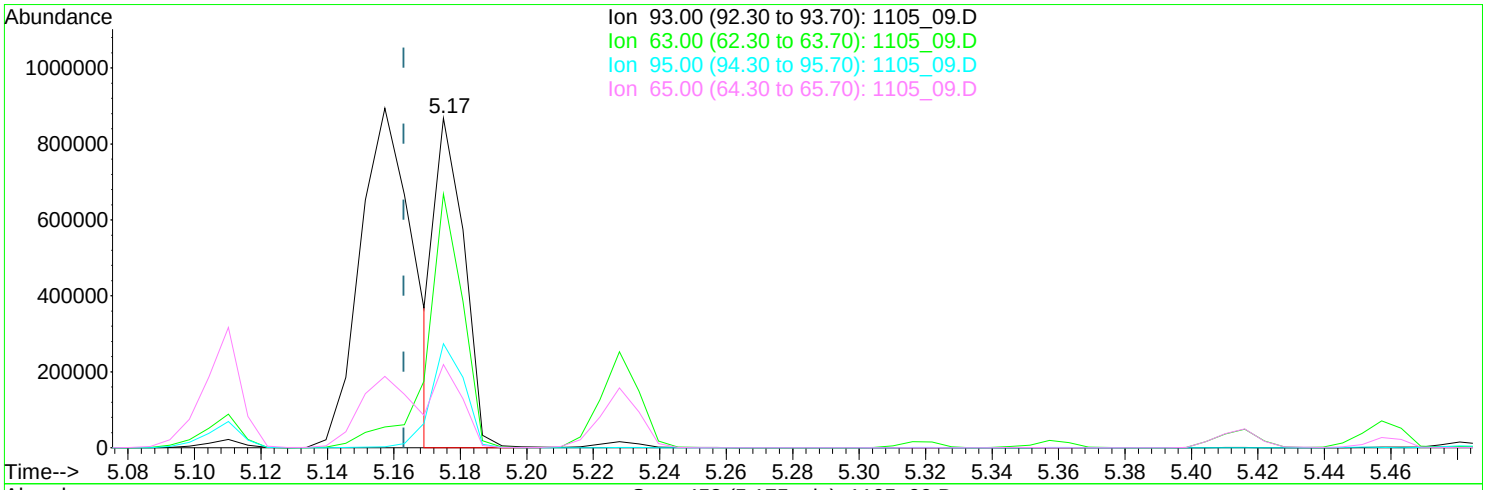
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	6.05#
95.00	31.70	0.29#
65.00	23.80	20.88

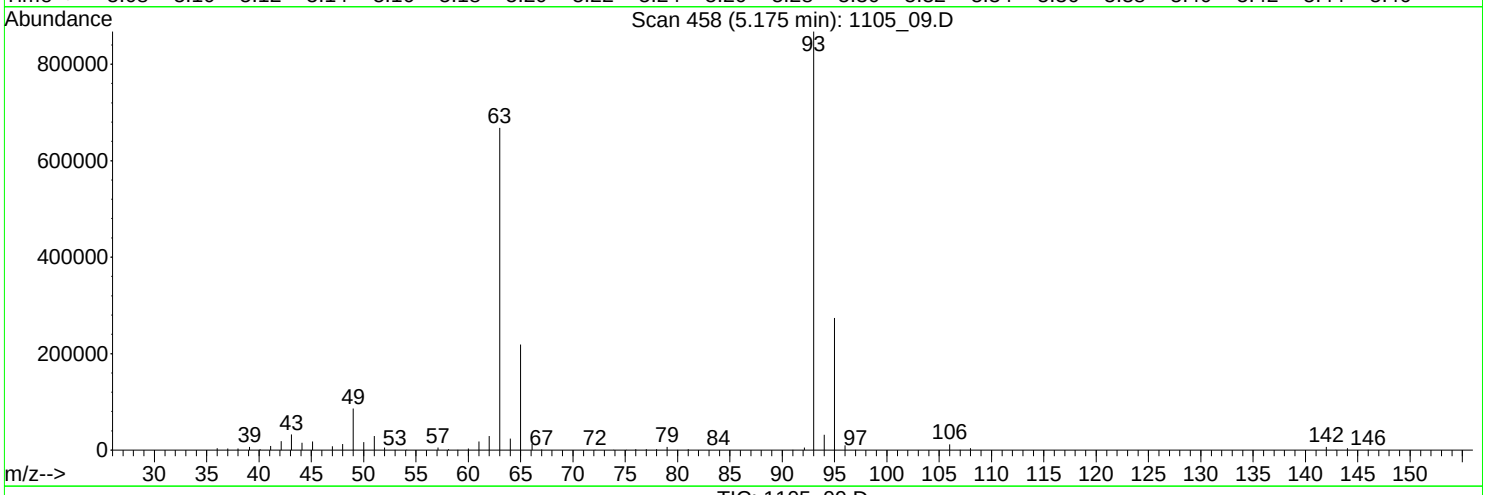
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:16 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.012) 42129.5420500 ppb m

response 523581

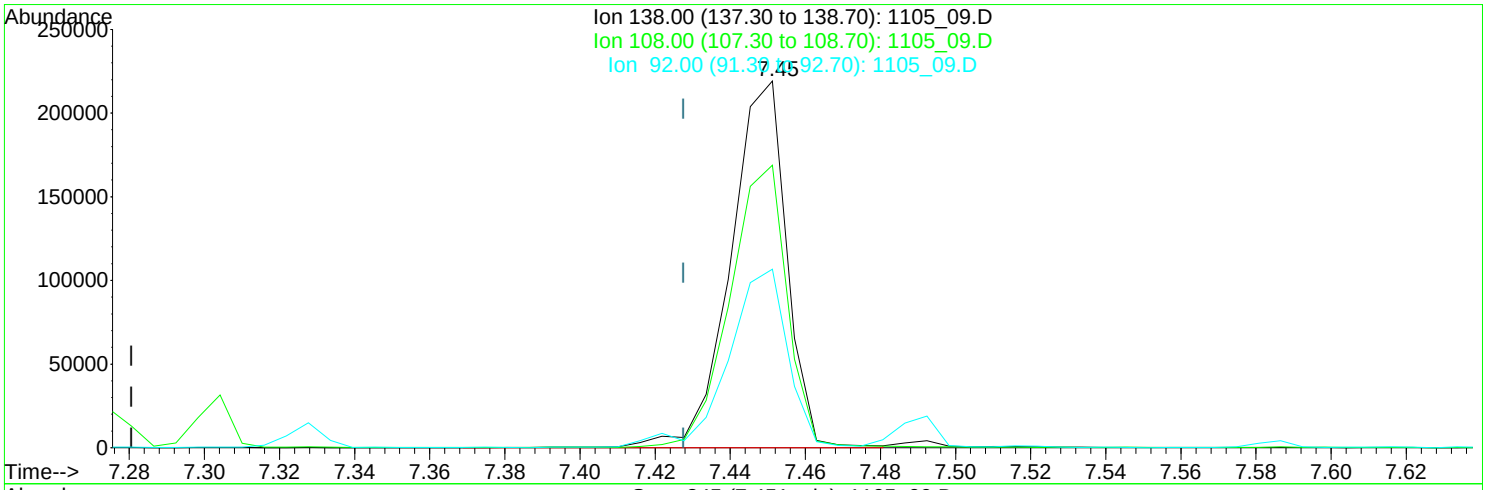
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	77.00
95.00	31.70	31.57
65.00	23.80	25.21

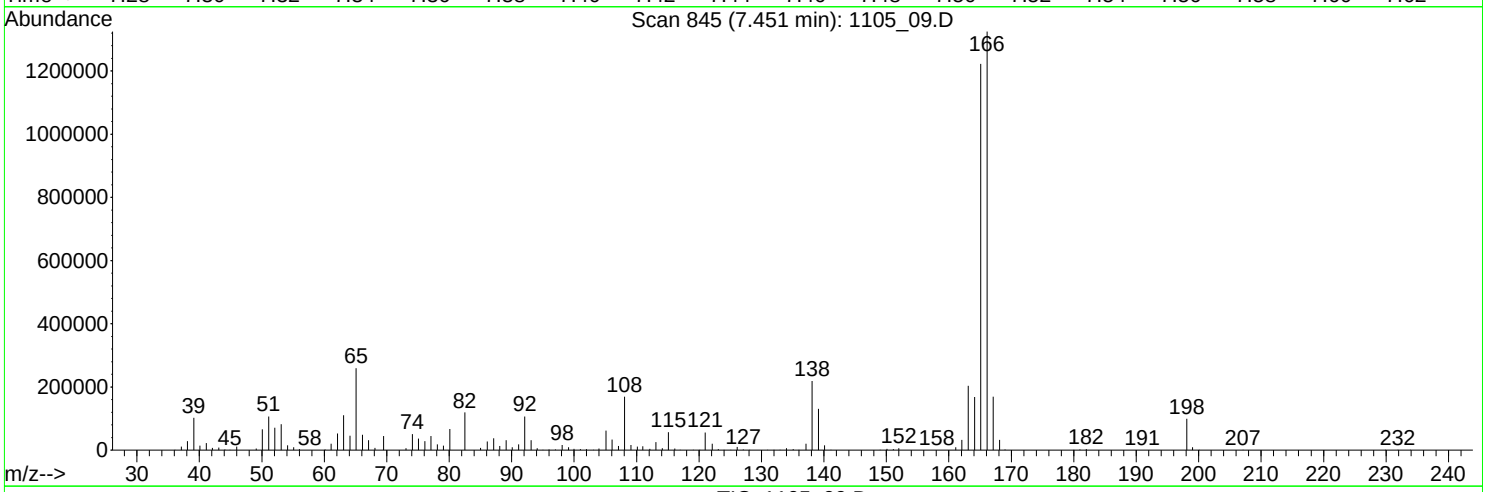
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:17 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(61) 4-Nitroaniline (MT)

7.45min (+0.024) 53814.7113103 ppb

Qvalue = 97

response 228545

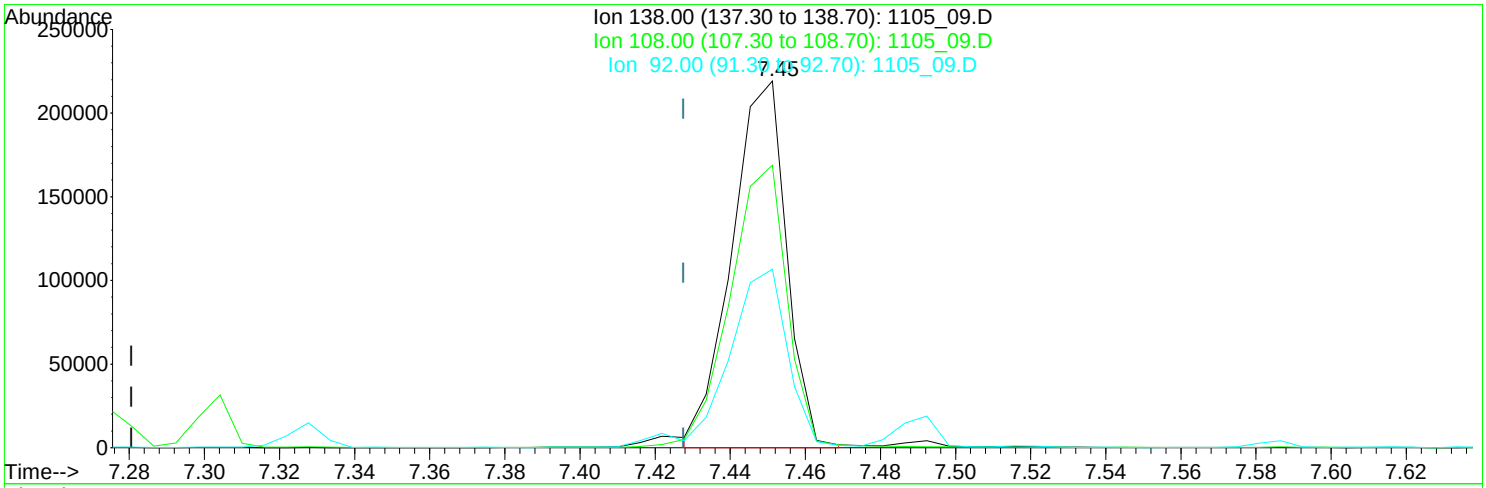
Ion	Exp%	Act%
138.00	100	100
108.00	80.70	79.59
92.00	48.80	52.01
0.00	0.00	0.00

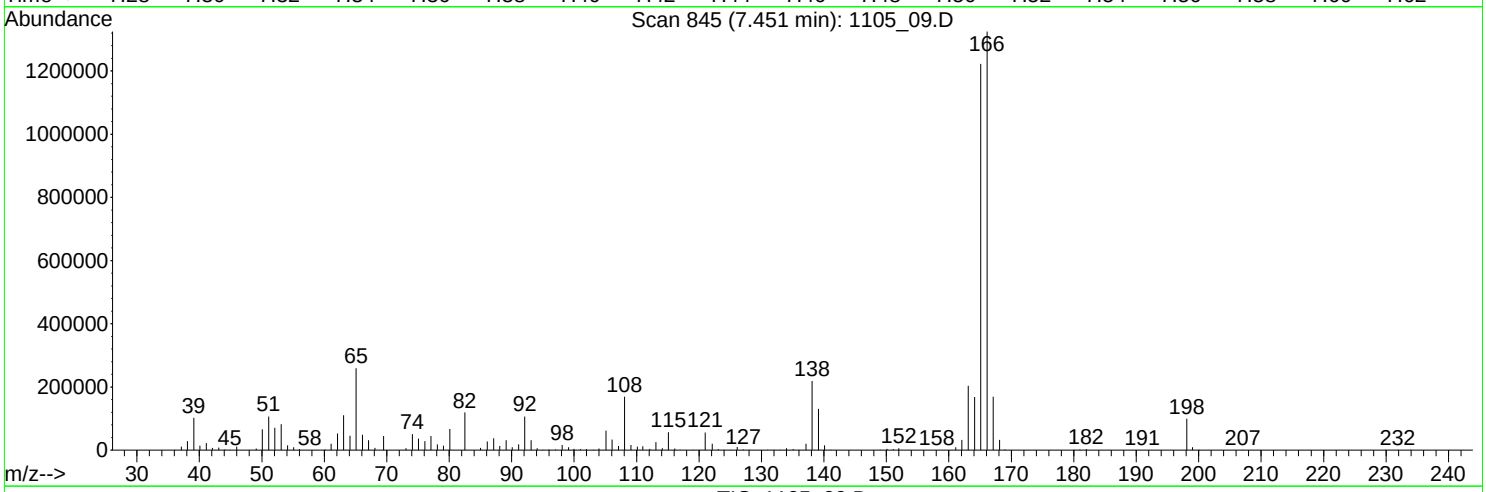
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:17 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(61) 4-Nitroaniline (MT)

7.45min (+0.024) 52115.5844127 ppb m

response 221329

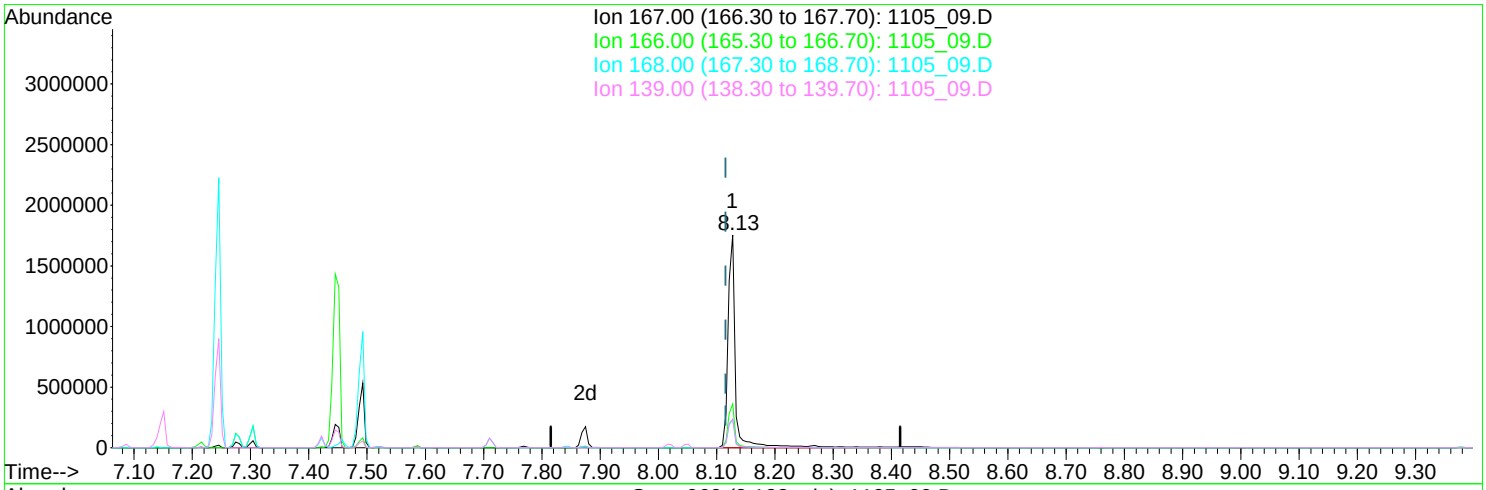
Ion	Exp%	Act%
138.00	100	100
108.00	80.70	82.18
92.00	48.80	53.70
0.00	0.00	0.00

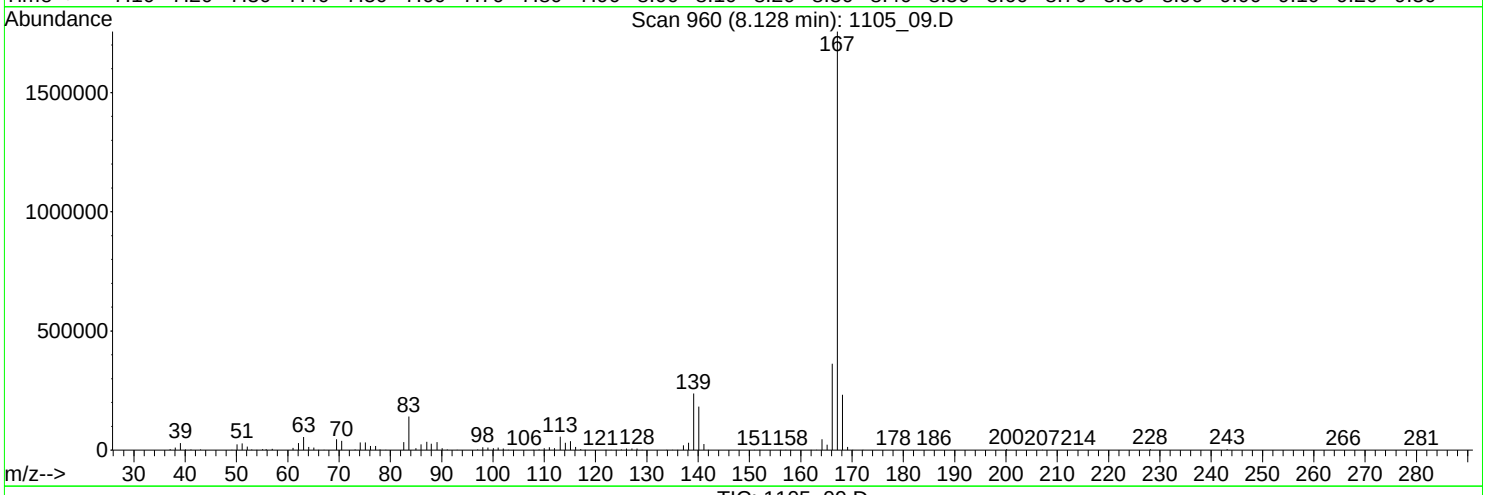
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:17 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(74) Carbazole (MT)

8.13min (+0.012) 46164.4940368 ppb

Qvalue = 99

response 1569375

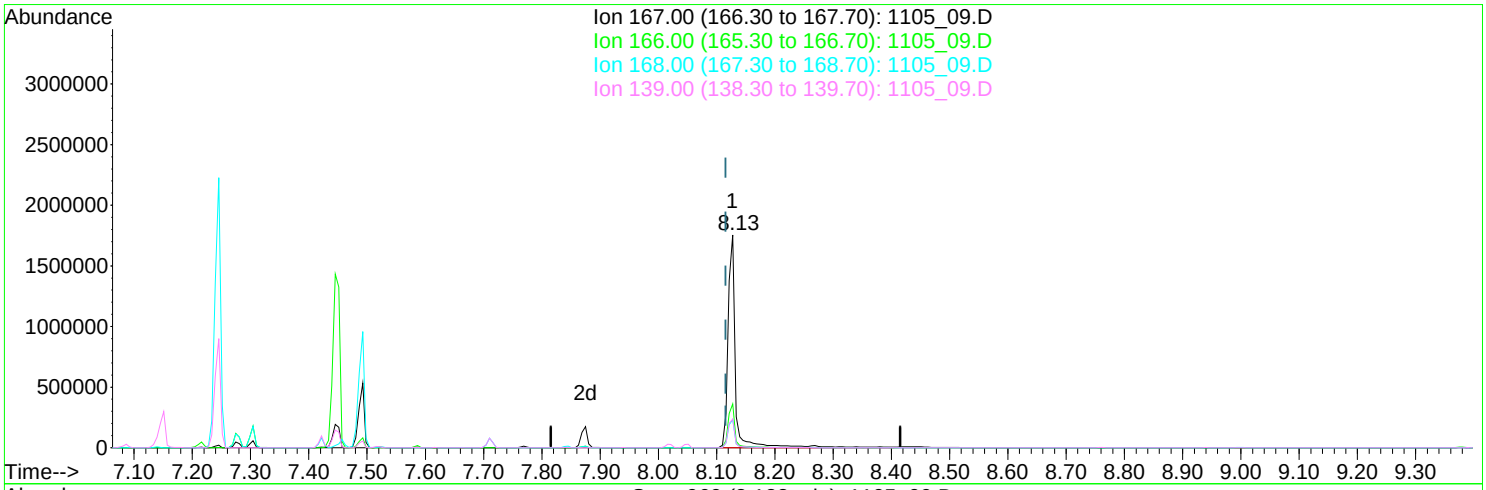
Ion	Exp%	Act%
167.00	100	100
166.00	20.30	20.60
168.00	13.00	13.48
139.00	13.10	13.89

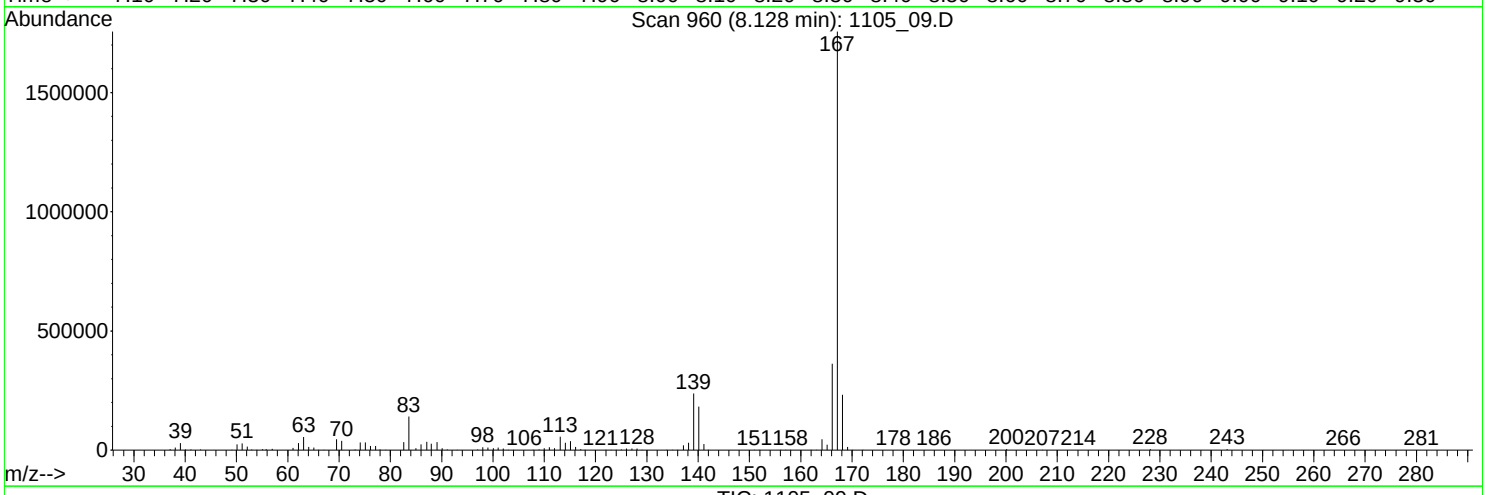
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(74) Carbazole (MT)

8.13min (+0.012) 46215.4716987 ppb m

response 1571108

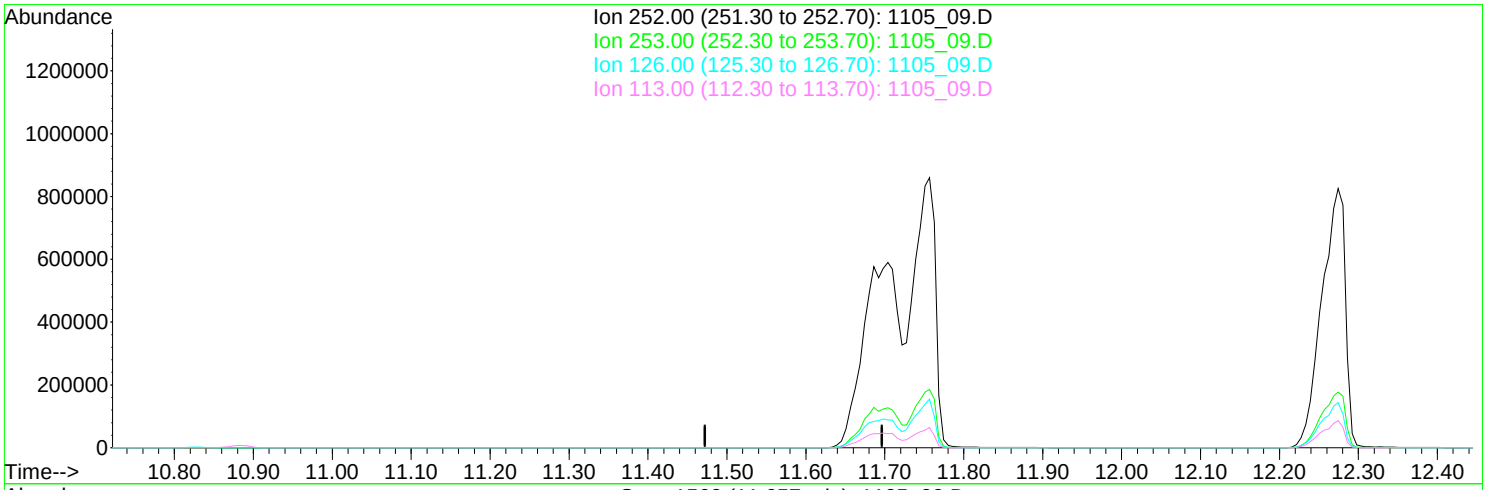
Ion	Exp%	Act%
167.00	100	100
166.00	20.30	20.57
168.00	13.00	13.46
139.00	13.10	13.88

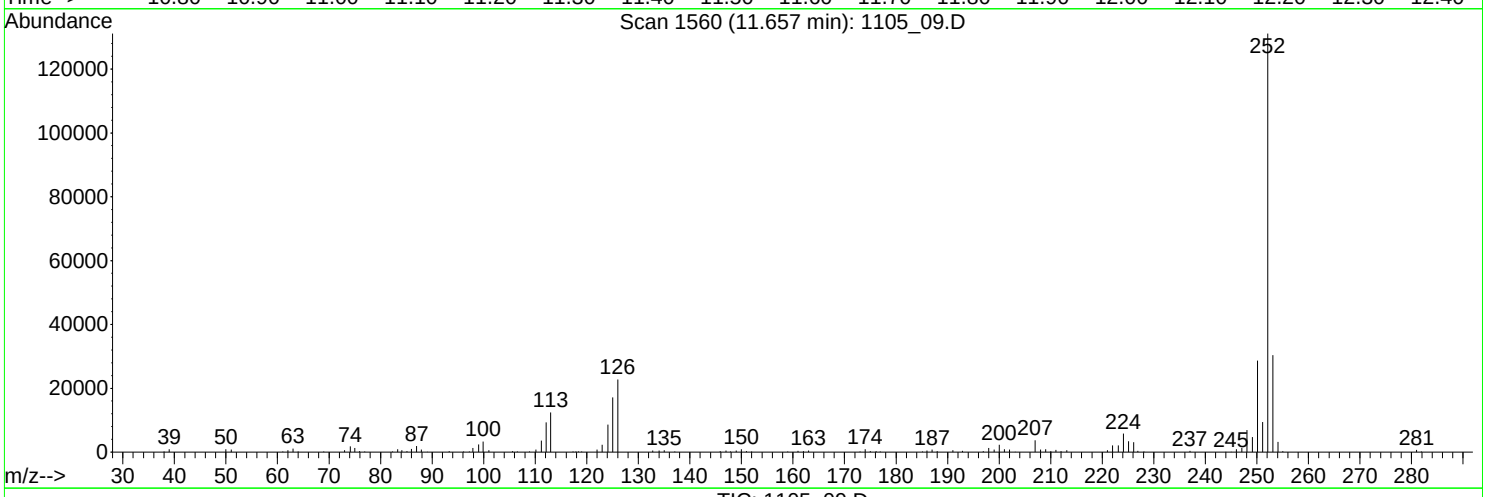
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

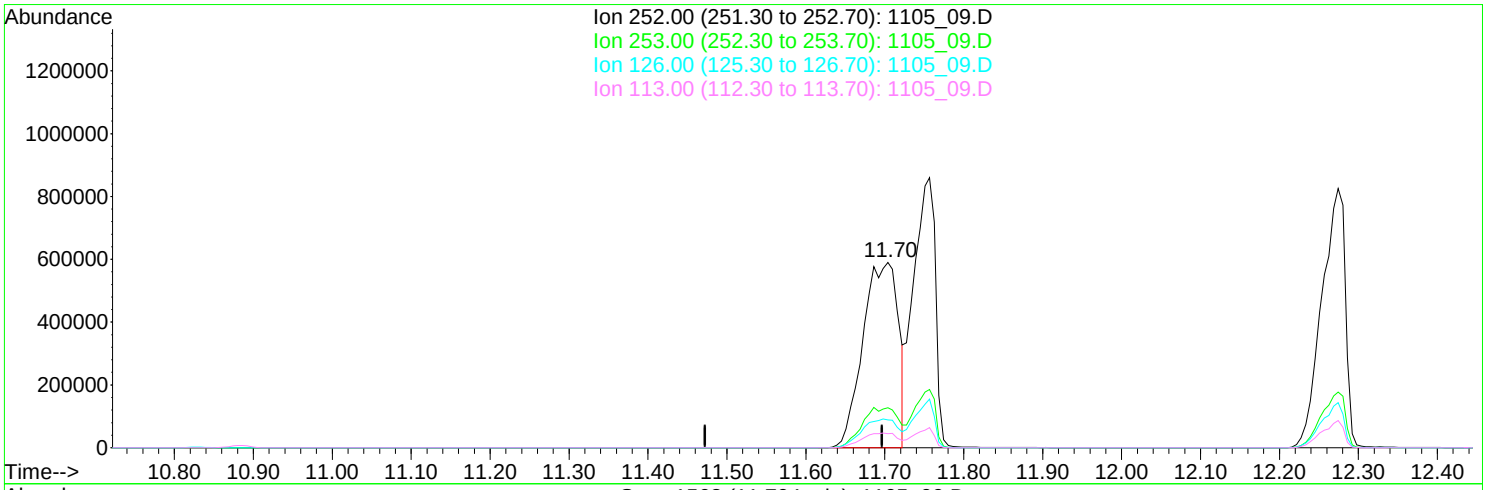
Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

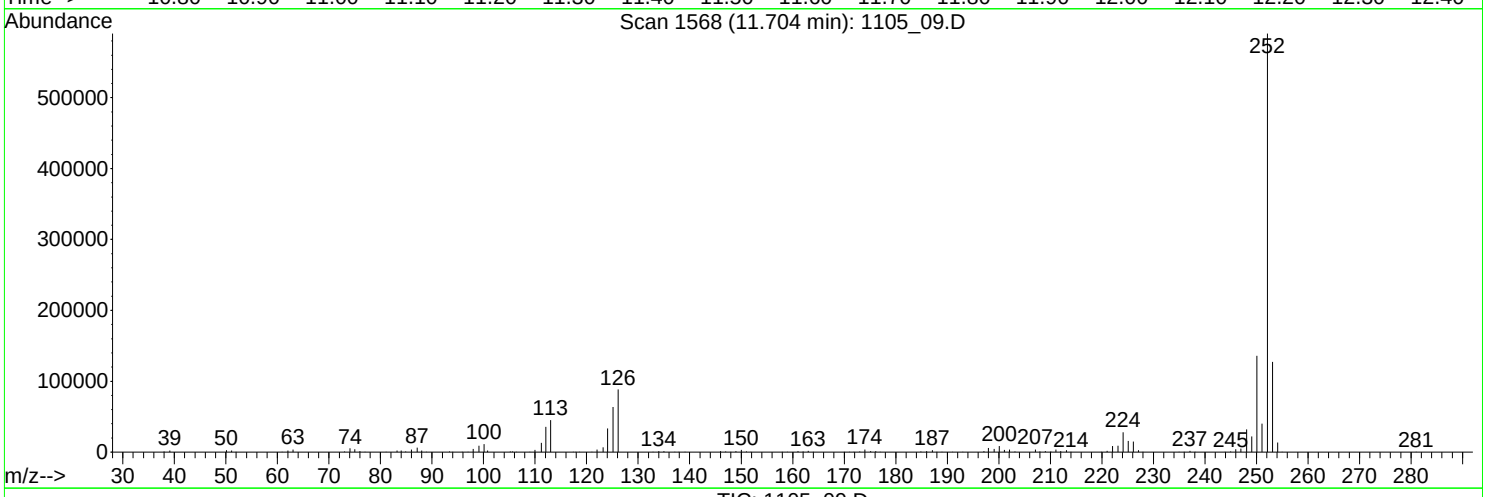
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:18 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Multiple Level Calibration





TIC: 1105_09.D

(89) Benzo(b)fluoranthene (MT)

11.70min (+0.047) 55429.1844183 ppb m

response 1828053

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.56
126.00	17.40	14.96
113.00	8.40	7.65

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377
Sample : STD SVMS 50000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:18 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	69412	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	273333	8000.00 ppb	0.00
40) Acenaphthene-d10	7.13	164	147912	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	248209	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	221448	8000.00 ppb	0.01
88) Perylene-d12	12.34	264	223526	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.56	112	565520	51733.5705846 ppb	0.01
Spiked Amount 20.000	Range 10 - 75		Recovery	= 258667.85%#	
7) Phenol-d5	5.10	99	662138	52185.3220480 ppb	0.02
Spiked Amount 20.000	Range 10 - 63		Recovery	= 260926.61%#	
23) Nitrobenzene-d5	5.67	82	759276	49817.8446413 ppb	0.02
Spiked Amount 10.000	Range 17 - 119		Recovery	= 498178.45%#	
44) 2-Fluorobiphenyl	6.70	172	1176790	46244.4310963 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery	= 462444.31%#	
67) 2,4,6-Tribromophenol	7.59	330	177193	53404.4951759 ppb	0.01
Spiked Amount 20.000	Range 16 - 147		Recovery	= 267022.48%#	
Spiked Amount 10.000	Range 40 - 174		Recovery	= 514119.01%#	

Target Compounds

					Qvalue
2) Pyridine	3.63	79	642073	51676.6022665 ppb	99
3) N-Nitrosodimethylamine	3.62	42	374015	50043.7108734 ppb	94
5) Aniline	5.16	93	983771m	55838.6838264 ppb	
6) bis(2-Chloroethyl)ether	5.17	93	523581m	42129.5420500 ppb	
8) Phenol	5.11	94	757551	49627.6158447 ppb	99
9) Benzaldehyde	0.00	105	0	N.D. d	
10) 2-Chlorophenol	5.23	128	592511	49261.3457994 ppb	98
11) n-Decane	5.22	41	341996	41858.3912194 ppb	97
12) 1,3-Dichlorobenzene	5.32	146	663813	49658.7951854 ppb	98
13) 1,4-Dichlorobenzene	5.36	146	646116	48427.5262258 ppb	96
14) Benzyl Alcohol	5.42	79	540439	51970.6741480 ppb	99
15) 1,2-Dichlorobenzene	5.45	146	586609	46267.7598445 ppb	97
16) bis(2-Chloroisopropyl)ethe	5.48	121	195991	47002.3378525 ppb	99
17) 2-Methylphenol	5.46	108	555079	48547.1341884 ppb	99
18) Hexachloroethane	5.65	117	278747	51292.0791056 ppb	97
19) N-Nitrosodi-n-propylamine	5.57	70	476757	50694.7003987 ppb	98
20) 3&4-Methyl phenol	5.55	107	615510	50709.3835537 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377
Sample : STD SVMS 50000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:18 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21) Acetophenone	0.00	105	0	N.D.	d		
24) Nitrobenzene	5.69	77	681836	49559.5416989	ppb		93
25) Isophorone	5.82	82	1238362	49340.9905687	ppb		99
26) 2-Nitrophenol	5.86	139	311464	52409.0695911	ppb		93
27) 2,4-Dimethylphenol	5.86	107	562350	45847.6741297	ppb		98
28) bis(2-Chlorethoxy)methane	5.91	93	716614	50105.0589809	ppb		97
29) 2,4-Dichlorophenol	6.00	162	488549	49761.5435835	ppb		99
30) Benzoic Acid	0.00	105	0	N.D.	d		
31) 1,2,4-Trichlorobenzene	6.05	180	554255	50927.2892243	ppb		98
32) Naphthalene	6.11	128	1668459	45288.9792157	ppb		95
33) 4-Chloroaniline	6.12	65	231622	47546.3685057	ppb		98
34) Hexachloro-1,3-butadiene	6.16	225	325039	50659.7956365	ppb		99
35) Caprolactam	0.00	113	0	N.D.	d		
36) 4-Chloro-3-methylphenol	6.37	107	543528	49962.4742936	ppb		92
37) 2-Methylnaphthalene	6.50	142	1133660	47951.8225900	ppb		99
38) 1-Methylnaphthalene	6.57	142	1076096	45677.3532958	ppb		97
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	d		
41) Hexachlorocyclopentadiene	6.59	237	303706	51887.2857424	ppb		95
42) 2,4,6-Trichlorophenol	6.66	196	354936	50596.3103878	ppb		94
43) 2,4,5-Trichlorophenol	6.68	196	352117	47898.7225046	ppb		99
45) Biphenyl	6.77	154	1342268	46809.8105844	ppb		99
46) 2-Chloronaphthalene	6.80	162	1003279	46834.3183259	ppb		99
47) 2-Nitroaniline	6.85	138	370232	53433.6412668	ppb		97
48) Acenaphthylene	7.05	152	1644976	48049.5919012	ppb		100
49) Dimethyl phthalate	6.93	163	1302232	51973.6956567	ppb		90
50) 2,6-Dinitrotoluene	6.97	165	277921	49811.8873165	ppb		89
51) 3-Nitroaniline	7.09	138	278498	48520.4944061	ppb		94
52) Acenaphthene	7.15	153	975090	43632.3623857	ppb		98
53) 2,4-Dinitrophenol	7.14	184	139690	94528.3433790	ppb	#	30
54) Dibenzofuran	7.25	168	1473407	49324.8010356	ppb		99
55) 2,4-Dinitrotoluene	7.22	165	381498	52178.6873265	ppb		91
56) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	d		
57) 4-Nitrophenol	7.15	139	233004	58696.2468457	ppb	#	81
58) Fluorene	7.45	166	1196770	46830.8073793	ppb		98
59) 4-Chlorophenyl-phenylether	7.42	204	555236	48315.0970413	ppb		89
60) Diethyl phthalate	7.33	149	1256373	48138.9230603	ppb		99
62) Azobenzene	7.52	77	1396788	48543.5322012	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:18 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63) Atrazine	0.00	200	0	N.D. d			
65) 4,6-Dinitro-2-methylphenol	7.46	198	212418	65590.8654243	ppb		91
66) N-Nitrosodiphenylamine	7.49	169	1045128	47554.0577874	ppb		99
68) 4-Bromophenyl-phenylether	7.71	248	343187	48869.8037174	ppb		89
69) Hexachlorobenzene	7.77	284	369565	46167.5853964	ppb		98
70) n-octadecane	7.84	55	217882	40117.7229699	ppb	#	96
71) Pentachlorophenol	7.87	266	265630	55259.4842211	ppb		95
72) Phenanthrene	8.02	178	1753588	47723.5316483	ppb		99
73) Anthracene	8.05	178	1668987	44428.7010466	ppb		99
74) Carbazole	8.13	167	1571108m	46215.4716987	ppb		
75) Di-n-butyl phthalate	8.27	149	2208930	44110.3773157	ppb		99
76) 2-nitrodiphenylamine	0.00	167	0	N.D. d			
77) Fluoranthene	8.76	202	1954306	47521.7420901	ppb		99
79) Benzidine	0.00	184	0	N.D.			
80) Pyrene	8.94	202	1986983	50291.0948033	ppb		100
82) Benzylbutyl phthalate	9.38	149	995125	49237.3122837	ppb		98
83) 3,3-Dichlorobenzidine	0.00	252	0	N.D.			
84) Benzo(a)anthracene	10.09	228	1753369	51654.6324699	ppb		99
85) Chrysene	10.14	228	1636923	50949.3996128	ppb		99
86) bis(2-Ethylhexyl)phthalate	9.96	149	1437381	48252.8296687	ppb		99
87) Di-n-octyl phthalate	10.89	149	2550213	50893.6699398	ppb		99
89) Benzo(b)fluoranthene	11.70	252	1828053m	55429.1844183	ppb		
90) Benzo(k)fluoranthene	11.76	252	1666262	52973.1701172	ppb		98
91) Benzo(a)pyrene	12.27	252	1720446	54556.4714614	ppb		99
92) Indeno(1,2,3-cd)pyrene	14.13	276	1721838	48715.8791566	ppb		95
93) Dibenz(a,h)anthracene	14.15	278	1410794	50218.1075687	ppb		95
94) Benzo(g,h,i)perylene	14.65	276	1358187	44598.1952936	ppb		99

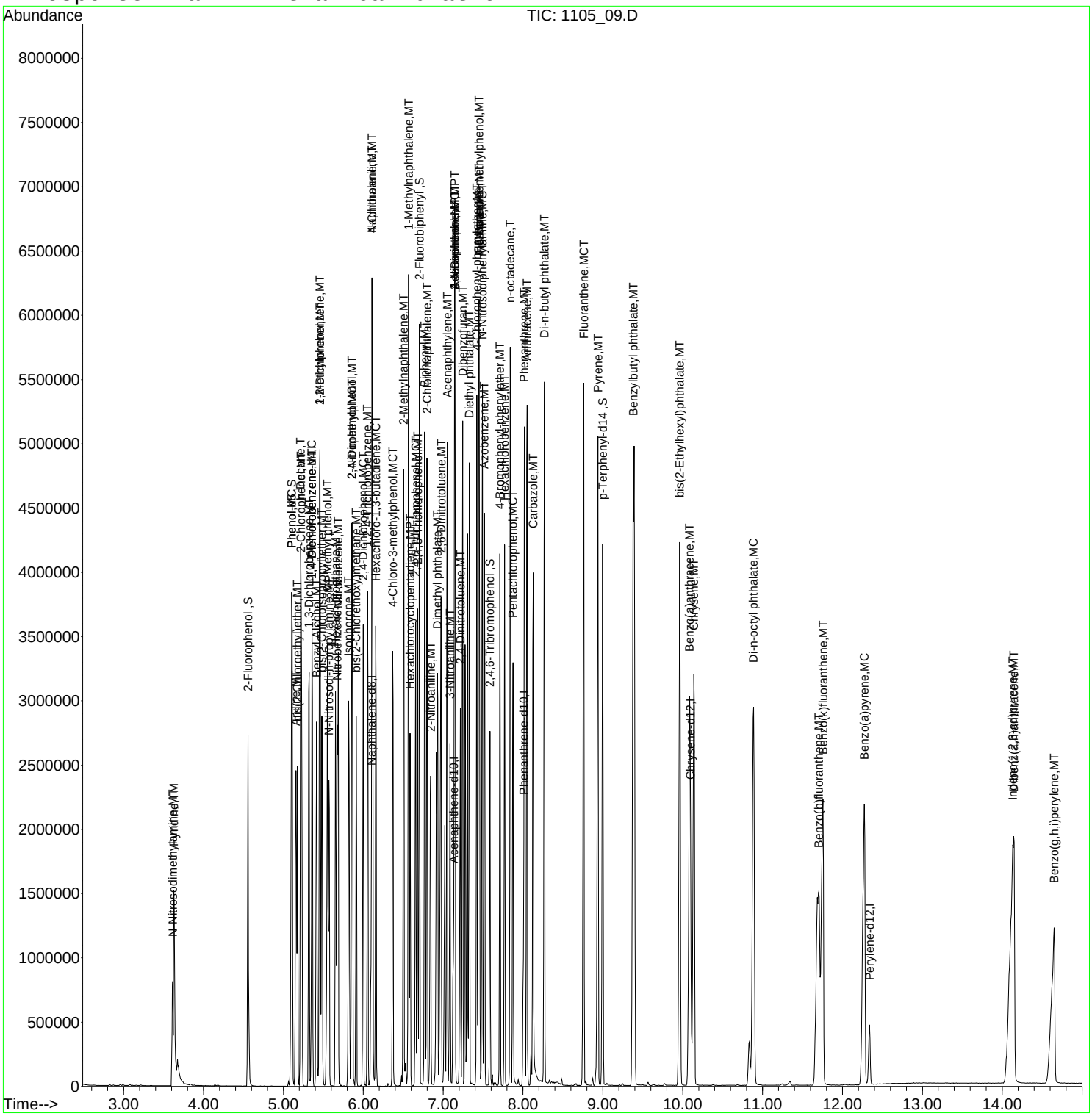
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_09.D Vial: 9
Acq On : 5 Nov 2011 2:30 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:18 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:15:14 2011
Response via : Initial Calibration

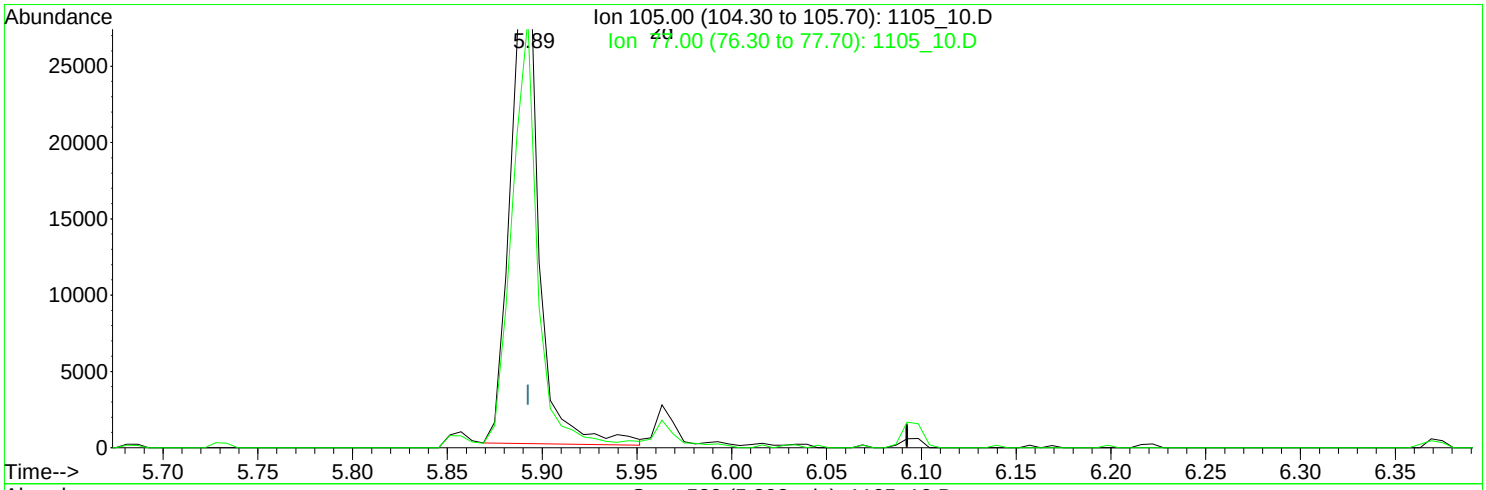


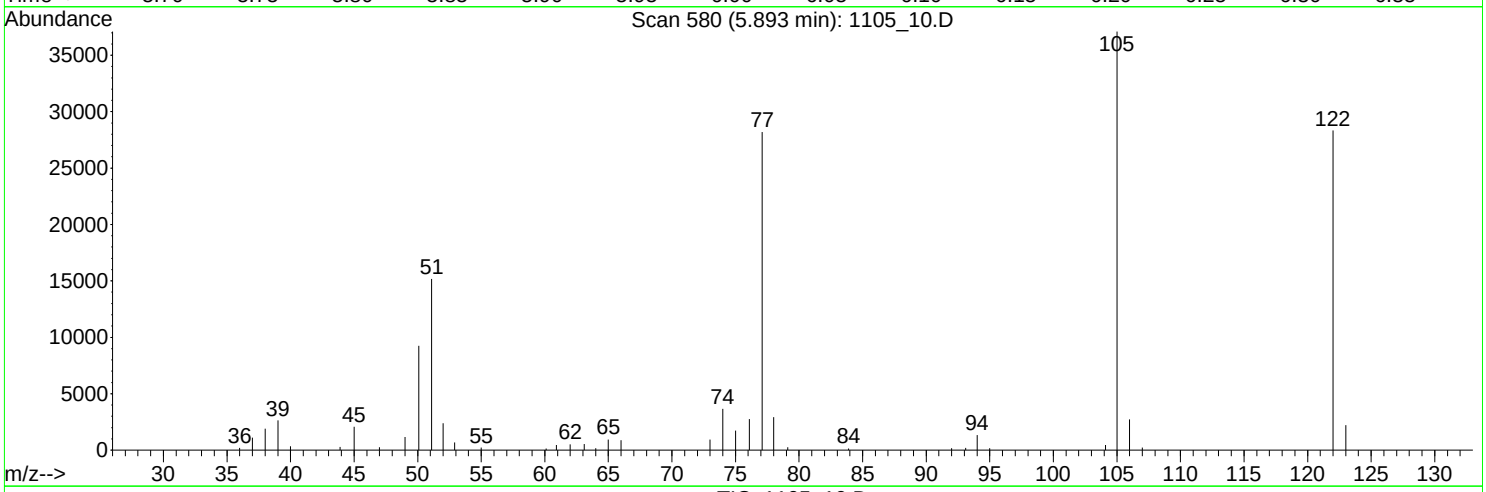
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:38 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:26:23 2011
Response via : Single Level Calibration





TIC: 1105_10.D

(30) Benzoic Acid (MT)
5.89min (0.000) 0.0000000 ppb
Qvalue = 88
response 33970

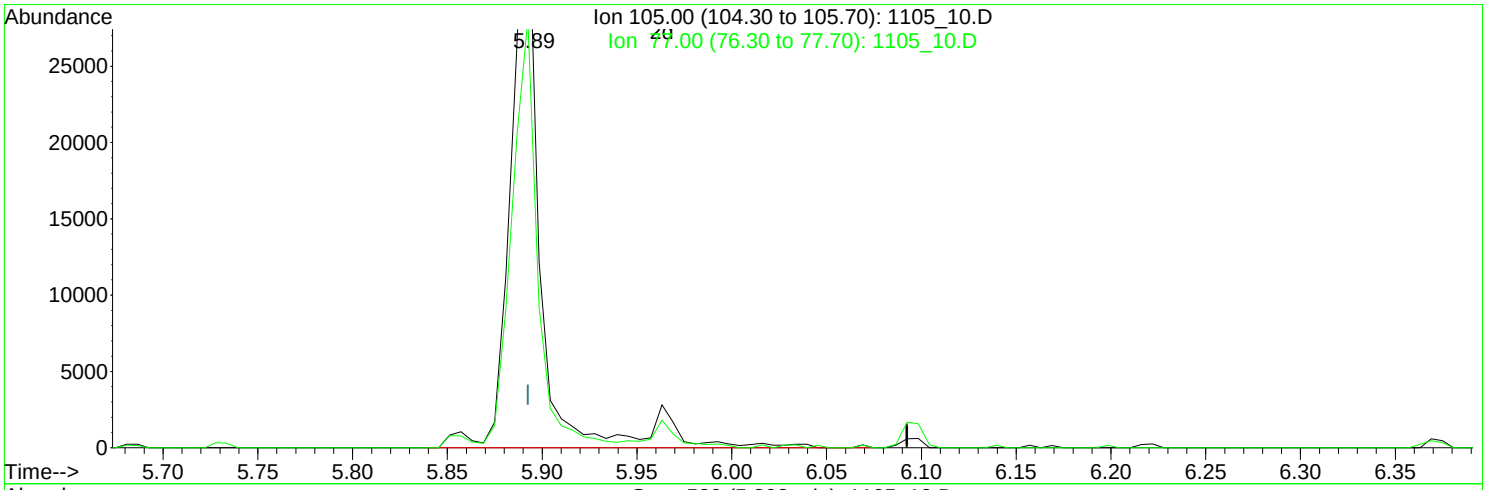
Ion	Exp%	Act%
105.00	100	100
77.00	66.50	76.44
0.00	0.00	0.00
0.00	0.00	0.00

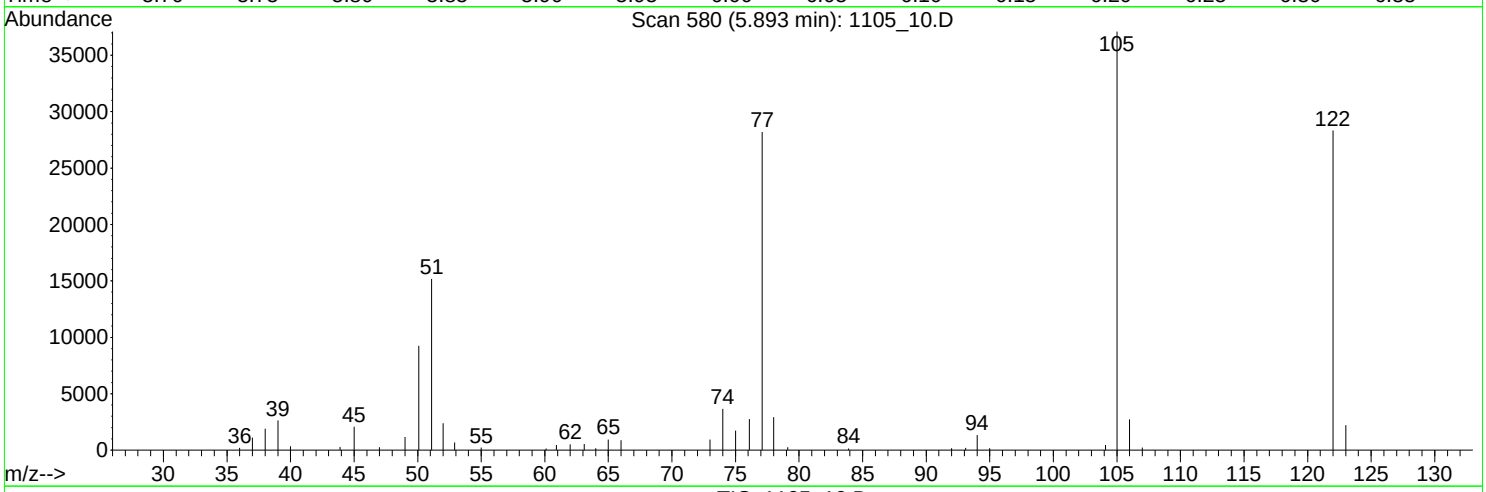
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:38 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:26:23 2011
Response via : Single Level Calibration





TIC: 1105_10.D

(30) Benzoic Acid (MT)

5.89min (0.000) 0.0000000 ppb m

response 39050

Ion	Exp%	Act%
105.00	100	100
77.00	66.50	66.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377
Sample : STD TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:38 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	75616	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	291891	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	161077	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	262344	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	234993	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	241275	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 75	Recovery	=	0.00%#
7) Phenol-d5	0.00	99	0d	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 63	Recovery	=	0.00%#
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb		
Spiked Amount	10.000	Range	17 - 119	Recovery	=	0.00%#
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb		
Spiked Amount	10.000	Range	29 - 127	Recovery	=	0.00%#
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb		
Spiked Amount	20.000	Range	16 - 147	Recovery	=	0.00%#
Spiked Amount	10.000	Range	40 - 174	Recovery	=	0.00%#

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D.	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	5.10	105	103668	10000.0000000 ppb	100
10) 2-Chlorophenol	0.00	128	0	N.D.	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	
20) 3&4-Methyl phenol	0.00	107	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:38 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	Acetophenone	5.57	105	168607	10000.0000000 ppb	100
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D.	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D.	
30)	Benzoic Acid	5.89	105	39050	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35)	Caprolactam	6.31	113	39439	10000.0000000 ppb	100
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.60	216	110677	10000.0000000 ppb	100
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D. d	
46)	2-Chloronaphthalene	0.00	162	0	N.D.	
47)	2-Nitroaniline	0.00	138	0	N.D.	
48)	Acenaphthylene	0.00	152	0	N.D.	
49)	Dimethyl phthalate	0.00	163	0	N.D.	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	0.00	138	0	N.D. d	
52)	Acenaphthene	0.00	153	0	N.D.	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.30	232	50630	10000.0000000 ppb	100
57)	4-Nitrophenol	0.00	139	0	N.D. d	
58)	Fluorene	0.00	166	0	N.D.	
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D.	
62)	Azobenzene	0.00	77	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:38 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63)	Atrazine	7.77	200	78363	10000.0000000	ppb	100
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.		
69)	Hexachlorobenzene	0.00	284	0	N.D.		
70)	n-octadecane	0.00	55	0	N.D.	d	
71)	Pentachlorophenol	0.00	266	0	N.D.	d	
72)	Phenanthrene	0.00	178	0	N.D.	d	
73)	Anthracene	0.00	178	0	N.D.	d	
74)	Carbazole	0.00	167	0	N.D.		
75)	Di-n-butyl phthalate	0.00	149	0	N.D.	d	
76)	2-nitrodiphenylamine	8.40	167	97482	10000.0000000	ppb	100
77)	Fluoranthene	0.00	202	0	N.D.		
79)	Benzidine	8.82	184	228802	10000.0000000	ppb	100
80)	Pyrene	0.00	202	0	N.D.		
82)	Benzylbutyl phthalate	0.00	149	0	N.D.	d	
83)	3,3-Dichlorobenzidine	10.00	252	113861	10000.0000000	ppb	100
84)	Benzo(a)anthracene	0.00	228	0	N.D.	d	
85)	Chrysene	0.00	228	0	N.D.	d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D.	d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D.	d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.		
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.		
91)	Benzo(a)pyrene	0.00	252	0	N.D.	d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.		

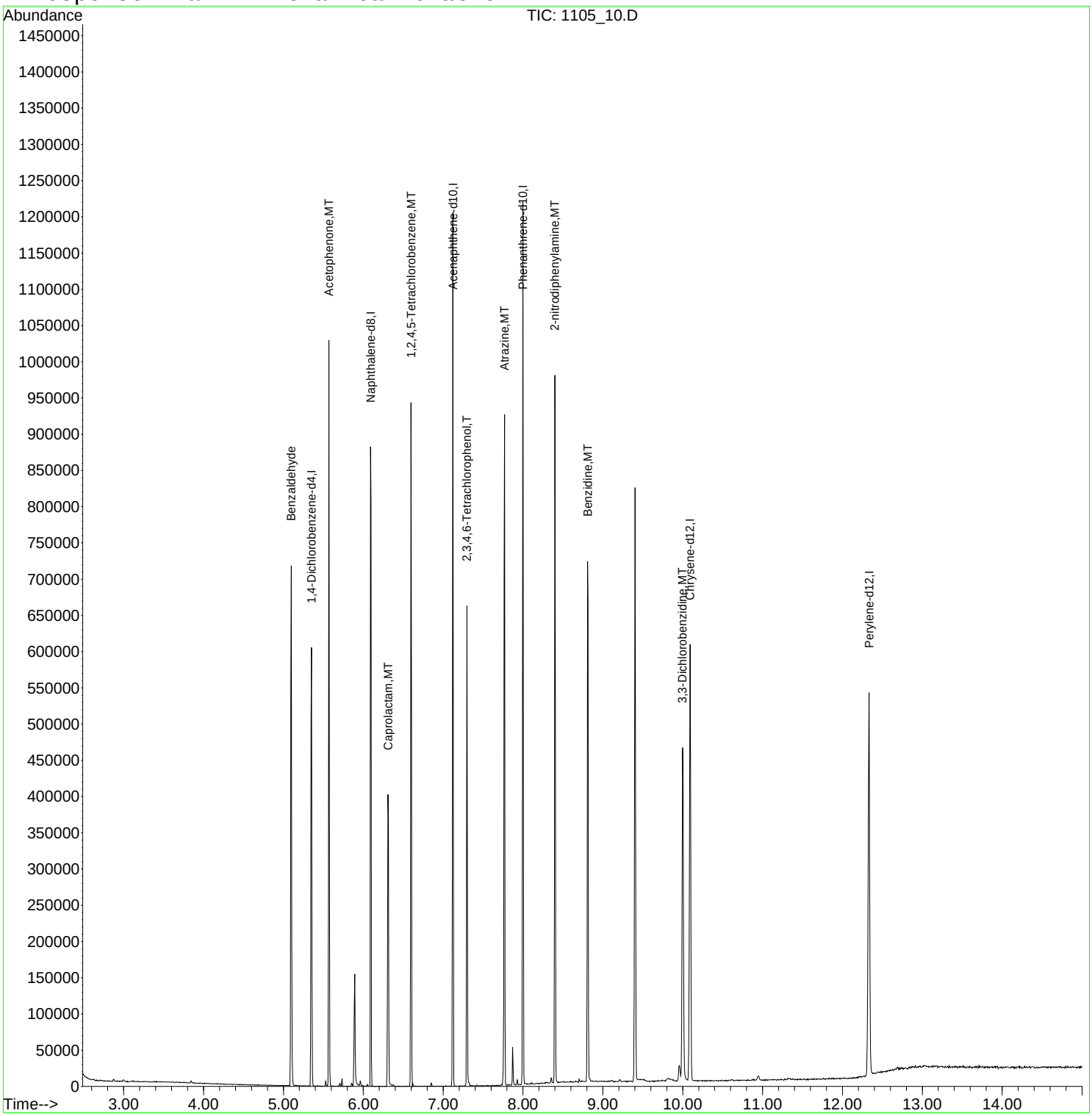
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:38 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:26:23 2011
Response via : Initial Calibration

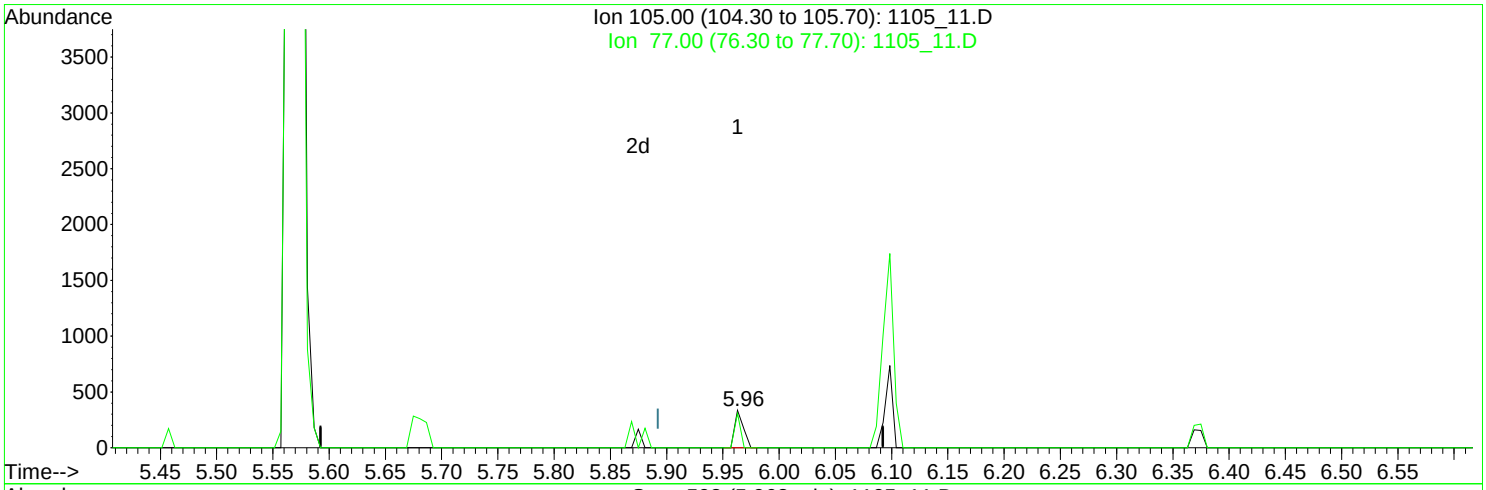


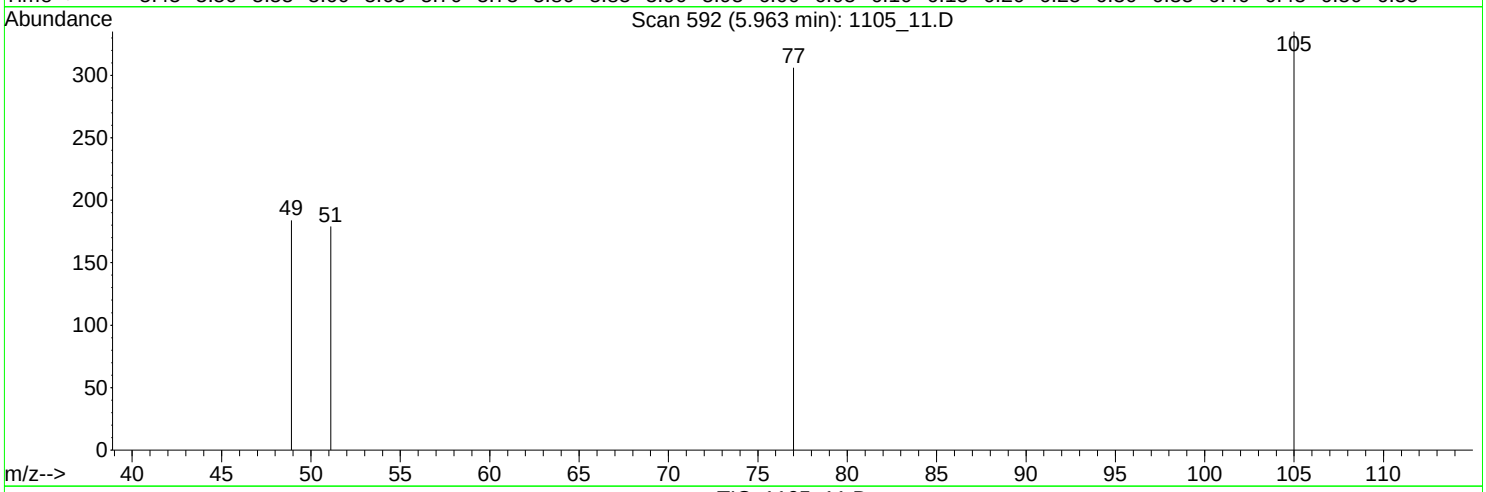
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_11.D Vial: 11
Acq On : 5 Nov 2011 3:10 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:39 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:26:23 2011
Response via : Single Level Calibration





TIC: 1105_11.D

(30) Benzoic Acid (MT)

5.96min (+0.071) 0.0000000 ppb

Qvalue = 94

response 175

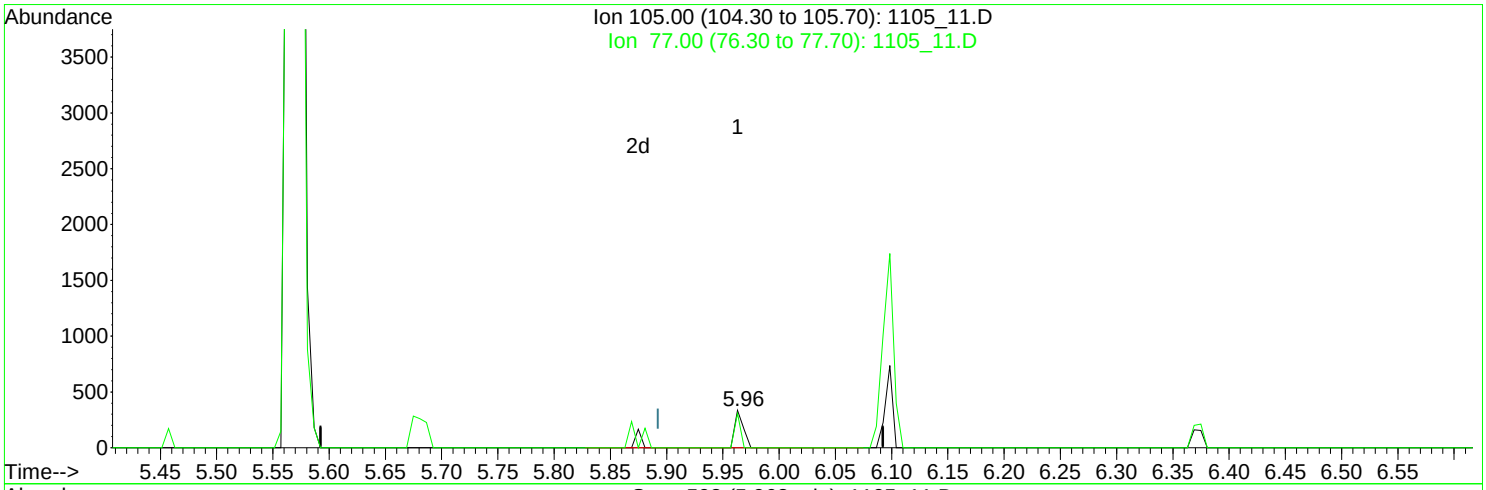
Ion	Exp%	Act%
105.00	100	100
77.00	66.50	61.71
0.00	0.00	0.00
0.00	0.00	0.00

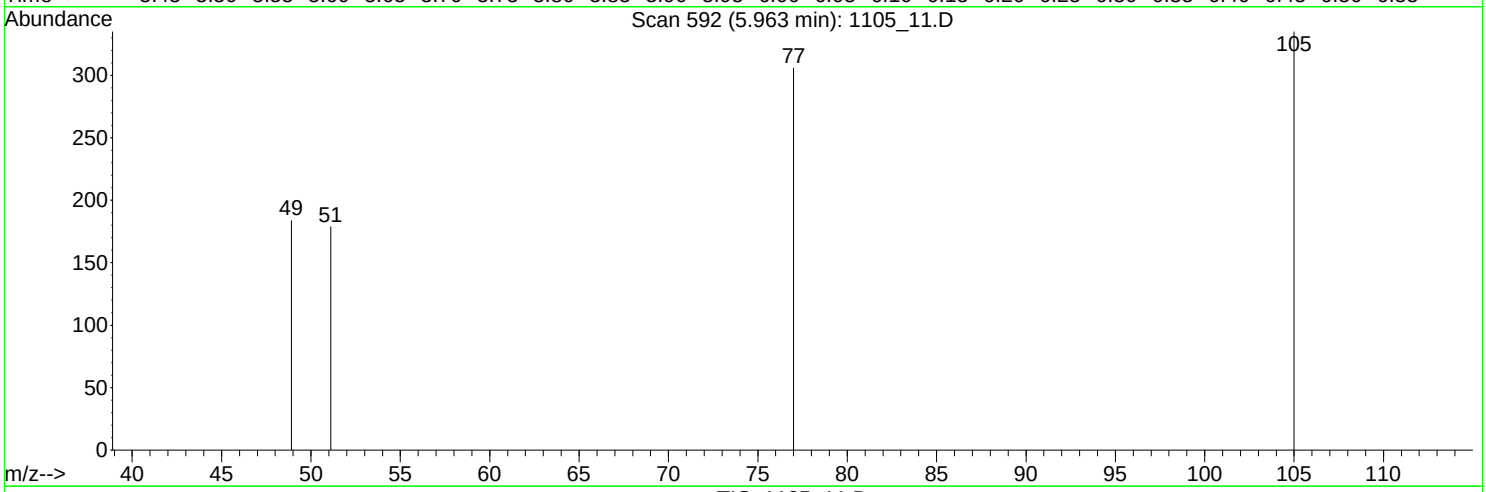
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_11.D Vial: 11
Acq On : 5 Nov 2011 3:10 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:40 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:26:23 2011
Response via : Single Level Calibration





TIC: 1105_11.D

(30) Benzoic Acid (MT)

5.96min (+0.071) 0.0000000 ppb m

response 233

Ion	Exp%	Act%
105.00	100	100
77.00	66.50	46.35#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_11.D Vial: 11
Acq On : 5 Nov 2011 3:10 pm Operator: 377
Sample : STD TCL 1000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:40 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	78470	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	296000	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	164799	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	244410	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	230184	8000.00 ppb	0.00
88) Perylene-d12	12.34	264	233147	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 75	Recovery	=	0.00%#
7) Phenol-d5	0.00	99	0d	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 63	Recovery	=	0.00%#
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb		
Spiked Amount	10.000	Range	17 - 119	Recovery	=	0.00%#
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb		
Spiked Amount	10.000	Range	29 - 127	Recovery	=	0.00%#
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb		
Spiked Amount	20.000	Range	16 - 147	Recovery	=	0.00%#
Spiked Amount	10.000	Range	40 - 174	Recovery	=	0.00%#

Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	5.10	105	10664	991.2551660 ppb	96
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20) 3&4-Methyl phenol	0.00	107	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_11.D Vial: 11
Acq On : 5 Nov 2011 3:10 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:40 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) Acetophenone	5.57	105	18156	1037.6589118 ppb	97
24) Nitrobenzene	0.00	77	0	N.D. d	
25) Isophorone	0.00	82	0	N.D. d	
26) 2-Nitrophenol	0.00	139	0	N.D. d	
27) 2,4-Dimethylphenol	0.00	107	0	N.D. d	
28) bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29) 2,4-Dichlorophenol	0.00	162	0	N.D. d	
30) Benzoic Acid	5.96	105	233	No Calib	
31) 1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32) Naphthalene	0.00	128	0	N.D. d	
33) 4-Chloroaniline	0.00	65	0	N.D. d	
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35) Caprolactam	6.30	113	3426	856.6244330 ppb	98
36) 4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37) 2-Methylnaphthalene	0.00	142	0	N.D. d	
38) 1-Methylnaphthalene	0.00	142	0	N.D. d	
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	11798	1051.1870609 ppb	99
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45) Biphenyl	0.00	154	0	N.D.	
46) 2-Chloronaphthalene	0.00	162	0	N.D. d	
47) 2-Nitroaniline	0.00	138	0	N.D. d	
48) Acenaphthylene	0.00	152	0	N.D. d	
49) Dimethyl phthalate	0.00	163	0	N.D. d	
50) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51) 3-Nitroaniline	0.00	138	0	N.D. d	
52) Acenaphthene	0.00	153	0	N.D. d	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	0.00	168	0	N.D. d	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56) 2,3,4,6-Tetrachlorophenol	7.30	232	4191	809.0748359 ppb	96
57) 4-Nitrophenol	0.00	139	0	N.D. d	
58) Fluorene	0.00	166	0	N.D. d	
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60) Diethyl phthalate	0.00	149	0	N.D. d	
61) 4-Nitroaniline	0.00	138	0	N.D.	
62) Azobenzene	0.00	77	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_11.D Vial: 11
Acq On : 5 Nov 2011 3:10 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:40 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63)	Atrazine	7.77	200	7711	961.7863510	ppb	96
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	d	
69)	Hexachlorobenzene	0.00	284	0	N.D.	d	
70)	n-octadecane	0.00	55	0	N.D.	d	
71)	Pentachlorophenol	0.00	266	0	N.D.	d	
72)	Phenanthrene	0.00	178	0	N.D.	d	
73)	Anthracene	0.00	178	0	N.D.	d	
74)	Carbazole	0.00	167	0	N.D.	d	
75)	Di-n-butyl phthalate	0.00	149	0	N.D.	d	
76)	2-nitrodiphenylamine	8.40	167	7618	838.8198564	ppb	90
77)	Fluoranthene	0.00	202	0	N.D.	d	
79)	Benzidine	8.81	184	19423	866.6351242	ppb	98
80)	Pyrene	0.00	202	0	N.D.	d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D.	d	
83)	3,3-Dichlorobenzidine	10.00	252	12003	1076.2040085	ppb	97
84)	Benzo(a)anthracene	0.00	228	0	N.D.	d	
85)	Chrysene	0.00	228	0	N.D.	d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D.	d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D.	d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	d	
91)	Benzo(a)pyrene	0.00	252	0	N.D.	d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	d	

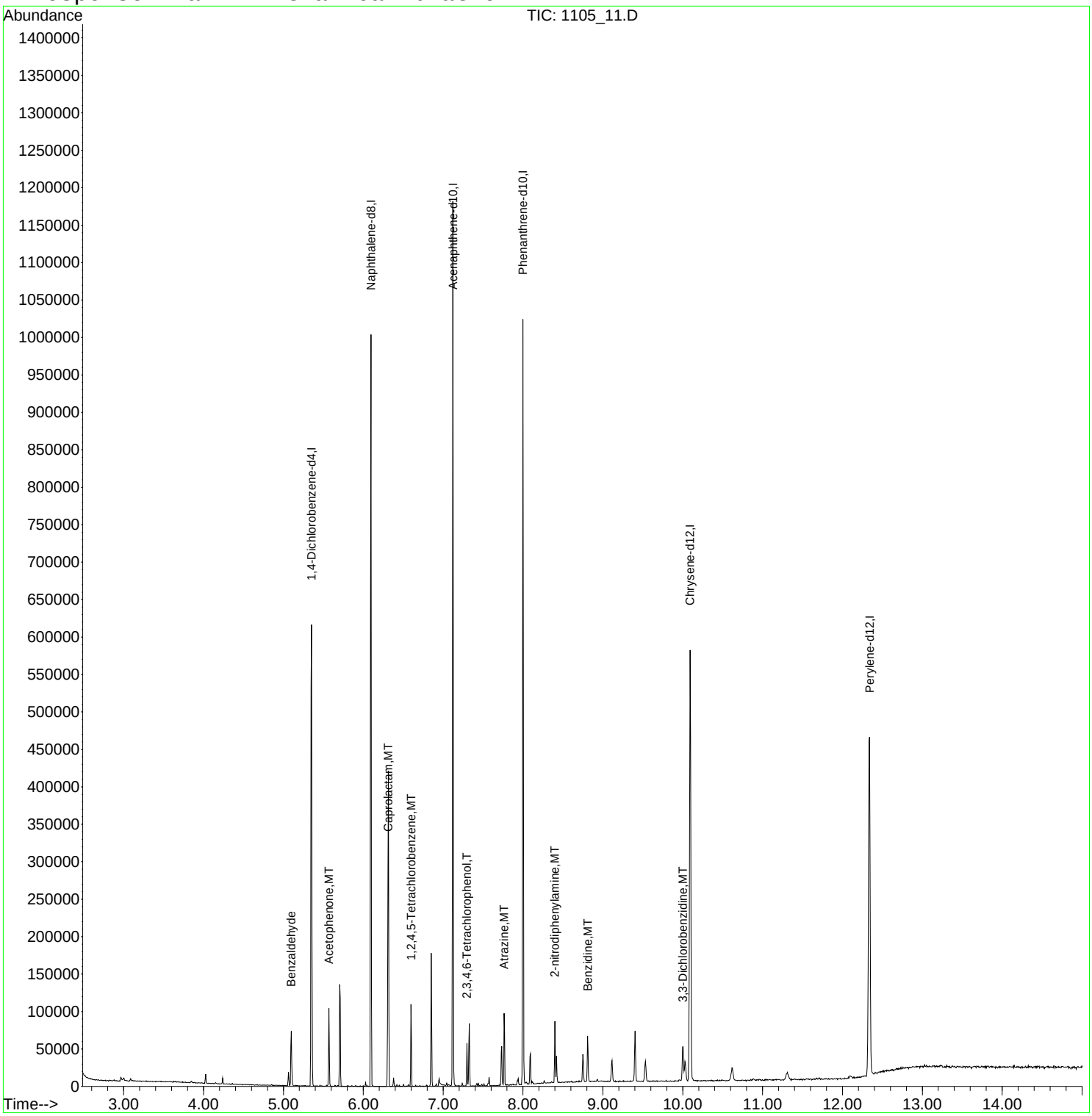
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_11.D Vial: 11
Acq On : 5 Nov 2011 3:10 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:40 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:26:23 2011
Response via : Initial Calibration

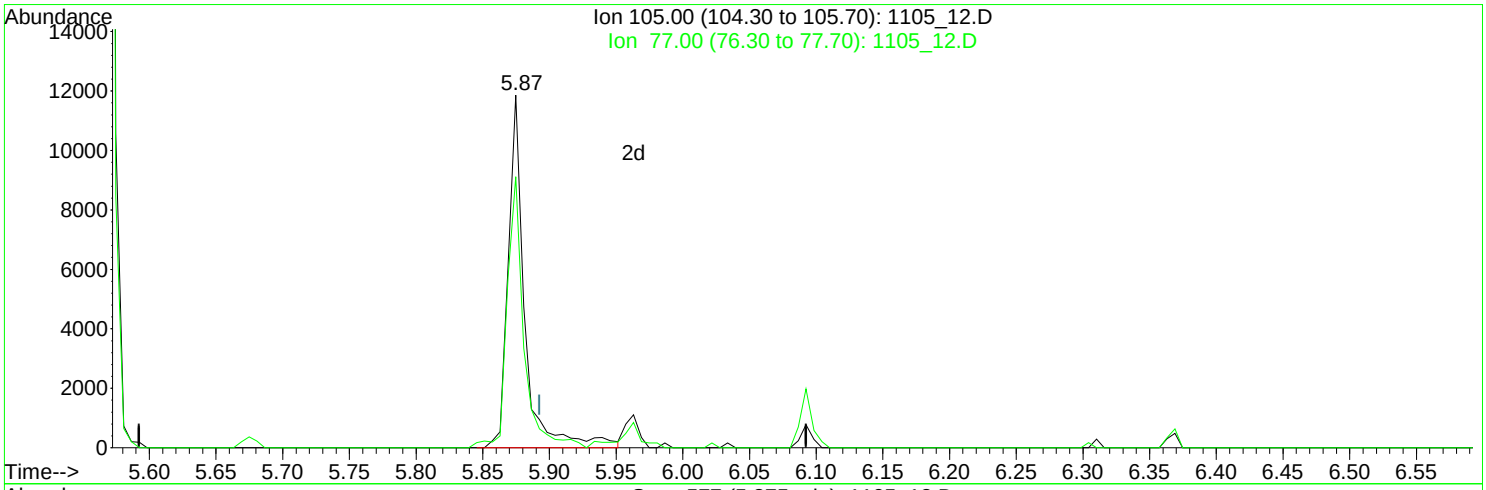


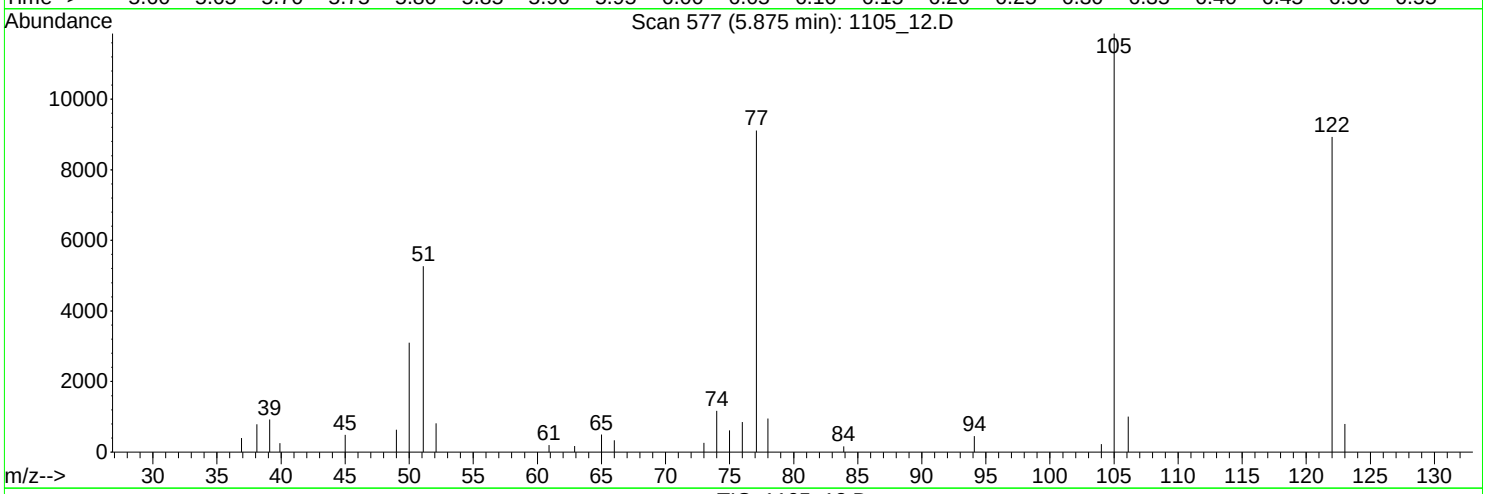
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_12.D Vial: 12
Acq On : 5 Nov 2011 3:30 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:41 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:40:54 2011
Response via : Single Level Calibration





TIC: 1105_12.D

(30) Benzoic Acid (MT)

5.87min (-0.018) 0.0000000 ppb

Qvalue = 86

response 10271

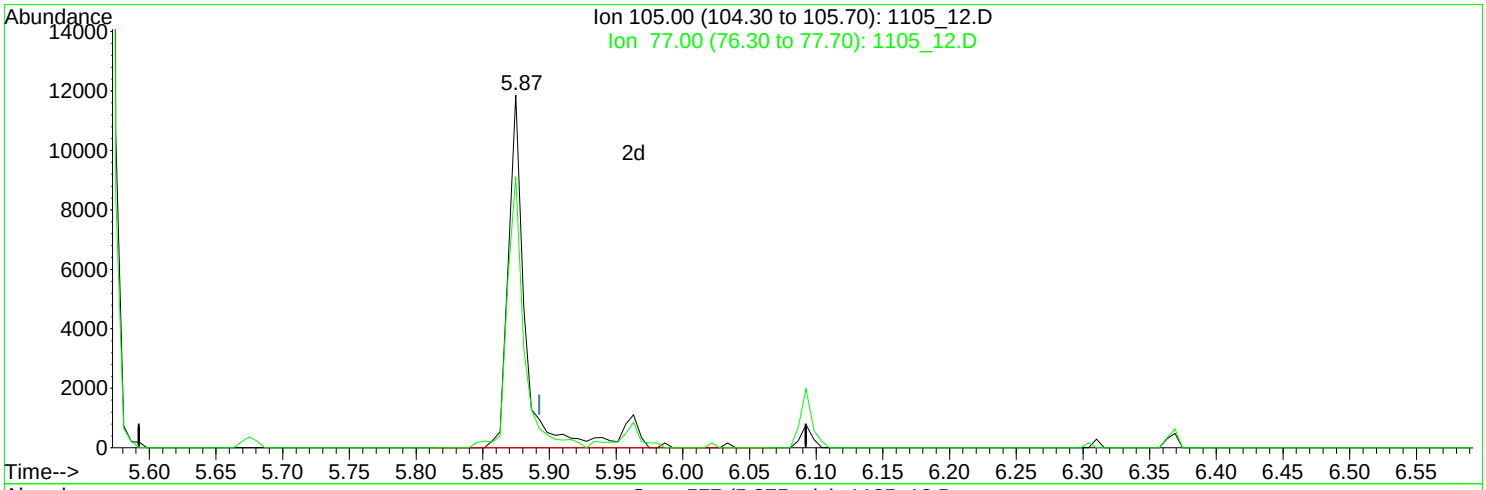
Ion	Exp%	Act%
105.00	100	100
77.00	66.50	77.60
0.00	0.00	0.00
0.00	0.00	0.00

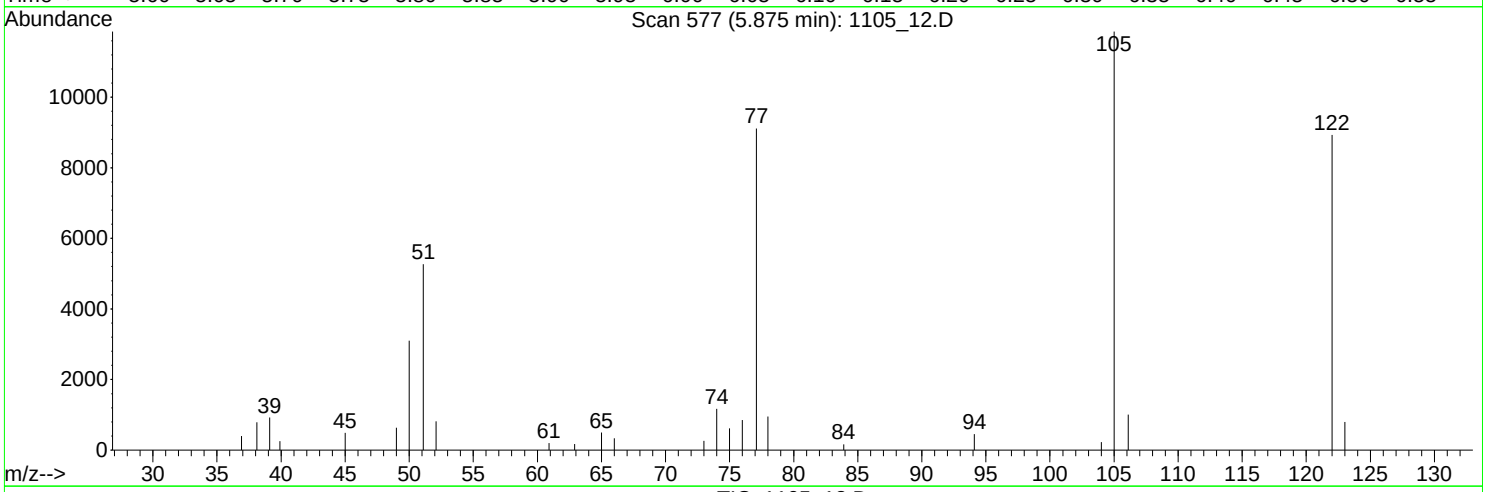
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_12.D Vial: 12
Acq On : 5 Nov 2011 3:30 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:41 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:40:54 2011
Response via : Single Level Calibration





TIC: 1105_12.D

(30) Benzoic Acid (MT)

5.87min (-0.018) 0.0000000 ppb m

response 11176

Ion	Exp%	Act%
105.00	100	100
77.00	66.50	71.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_12.D Vial: 12
Acq On : 5 Nov 2011 3:30 pm Operator: 377
Sample : STD TCL 5000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:41 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	71769	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	279580	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	148040	8000.00 ppb	0.00
64) Phenanthrene-d10	7.99	188	227347	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	210449	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	209150	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb		
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#			
7) Phenol-d5	0.00	99	0d	0.0000000 ppb		
Spiked Amount 20.000	Range 10 - 63		Recovery = 0.00%#			
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb		
Spiked Amount 10.000	Range 17 - 119		Recovery = 0.00%#			
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb		
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#			
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb		
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#			
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#			

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D. d	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	5.09	105	51054	5188.7393973 ppb	97
10) 2-Chlorophenol	0.00	128	0	N.D.	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D. d	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D. d	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D. d	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20) 3&4-Methyl phenol	0.00	107	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_12.D Vial: 12
Acq On : 5 Nov 2011 3:30 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:41 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) Acetophenone	5.57	105	80625	5038.1481201 ppb	98
24) Nitrobenzene	0.00	77	0	N.D. d	
25) Isophorone	0.00	82	0	N.D. d	
26) 2-Nitrophenol	0.00	139	0	N.D. d	
27) 2,4-Dimethylphenol	0.00	107	0	N.D. d	
28) bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29) 2,4-Dichlorophenol	0.00	162	0	N.D. d	
30) Benzoic Acid	5.87	105	11176	No Calib	
31) 1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32) Naphthalene	0.00	128	0	N.D. d	
33) 4-Chloroaniline	0.00	65	0	N.D. d	
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35) Caprolactam	6.30	113	17954	4752.8042761 ppb	98
36) 4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37) 2-Methylnaphthalene	0.00	142	0	N.D. d	
38) 1-Methylnaphthalene	0.00	142	0	N.D. d	
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	51424	4850.9084711 ppb	99
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45) Biphenyl	0.00	154	0	N.D.	
46) 2-Chloronaphthalene	0.00	162	0	N.D. d	
47) 2-Nitroaniline	0.00	138	0	N.D. d	
48) Acenaphthylene	0.00	152	0	N.D. d	
49) Dimethyl phthalate	0.00	163	0	N.D. d	
50) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51) 3-Nitroaniline	0.00	138	0	N.D. d	
52) Acenaphthene	0.00	153	0	N.D. d	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	0.00	168	0	N.D. d	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56) 2,3,4,6-Tetrachlorophenol	7.30	232	21896	4705.5599740 ppb	85
57) 4-Nitrophenol	0.00	139	0	N.D. d	
58) Fluorene	0.00	166	0	N.D. d	
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60) Diethyl phthalate	0.00	149	0	N.D. d	
61) 4-Nitroaniline	0.00	138	0	N.D. d	
62) Azobenzene	0.00	77	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_12.D Vial: 12
Acq On : 5 Nov 2011 3:30 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:41 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63) Atrazine	7.76	200	37181	5162.5523462 ppb	100
65) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66) N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68) 4-Bromophenyl-phenylether	0.00	248	0	N.D. d	
69) Hexachlorobenzene	0.00	284	0	N.D. d	
70) n-octadecane	0.00	55	0	N.D. d	
71) Pentachlorophenol	0.00	266	0	N.D. d	
72) Phenanthrene	0.00	178	0	N.D. d	
73) Anthracene	0.00	178	0	N.D. d	
74) Carbazole	0.00	167	0	N.D.	
75) Di-n-butyl phthalate	0.00	149	0	N.D. d	
76) 2-nitrodiphenylamine	8.39	167	42843	5071.5107603 ppb	96
77) Fluoranthene	0.00	202	0	N.D. d	
79) Benzidine	8.80	184	93546	4565.3435526 ppb	100
80) Pyrene	0.00	202	0	N.D. d	
82) Benzylbutyl phthalate	0.00	149	0	N.D. d	
83) 3,3-Dichlorobenzidine	9.99	252	51805	5080.4799704 ppb	99
84) Benzo(a)anthracene	0.00	228	0	N.D. d	
85) Chrysene	0.00	228	0	N.D. d	
86) bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87) Di-n-octyl phthalate	0.00	149	0	N.D. d	
89) Benzo(b)fluoranthene	0.00	252	0	N.D. d	
90) Benzo(k)fluoranthene	0.00	252	0	N.D. d	
91) Benzo(a)pyrene	0.00	252	0	N.D. d	
92) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D. d	
93) Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94) Benzo(g,h,i)perylene	0.00	276	0	N.D. d	

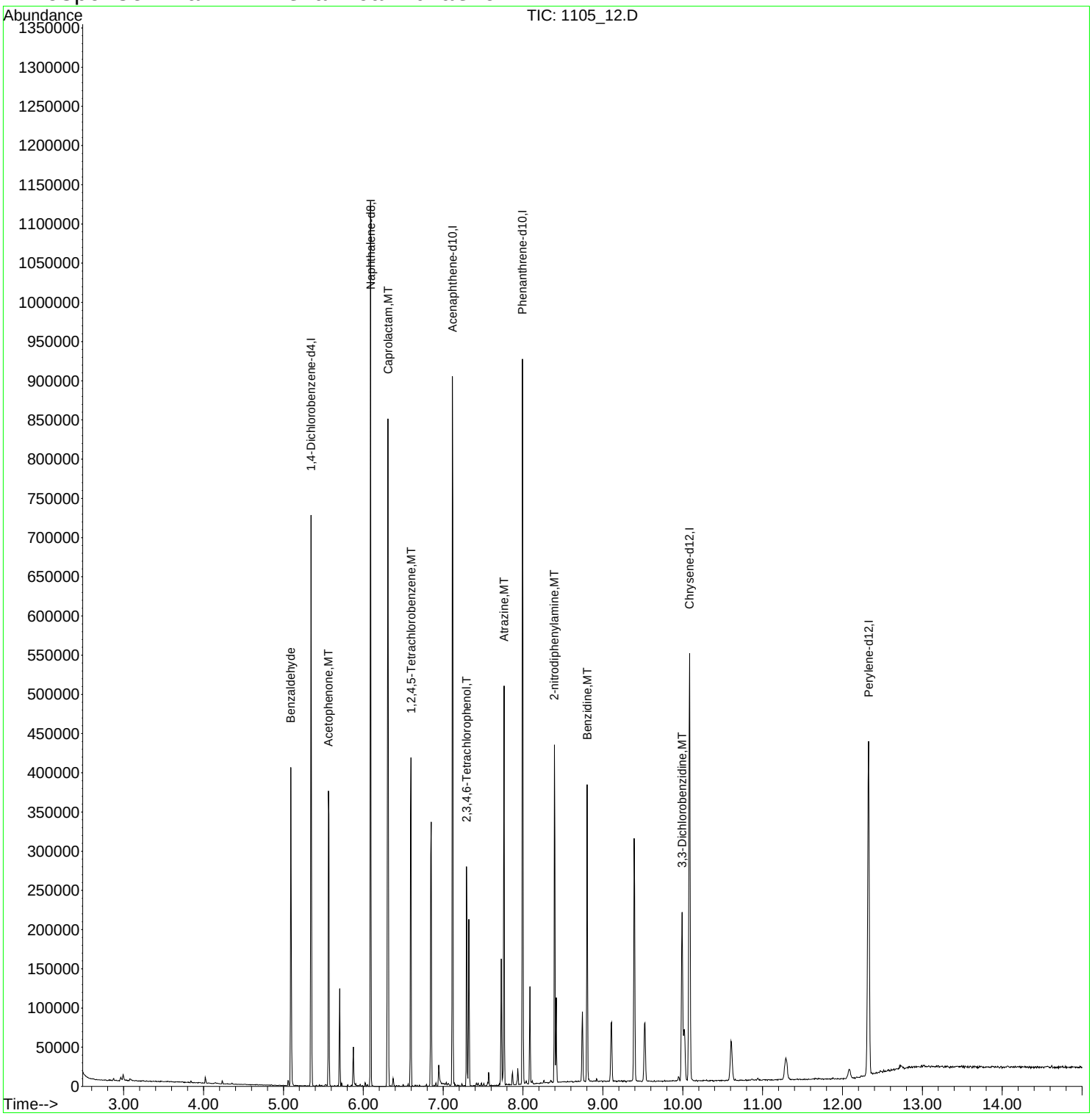
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_12.D Vial: 12
Acq On : 5 Nov 2011 3:30 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:41 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:40:54 2011
Response via : Initial Calibration

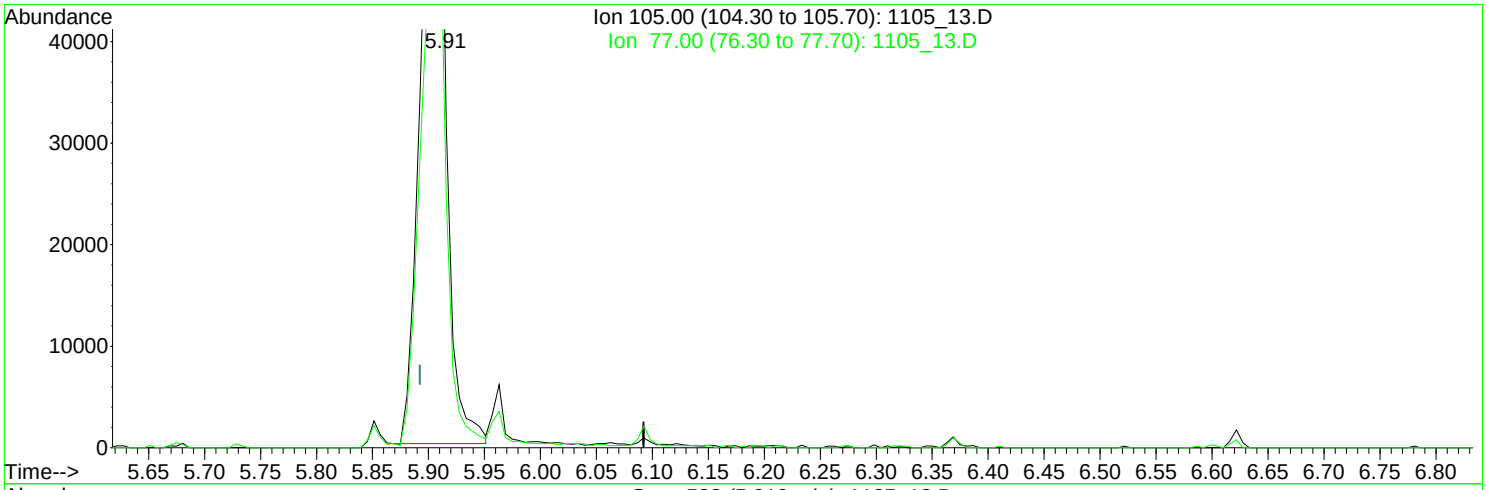


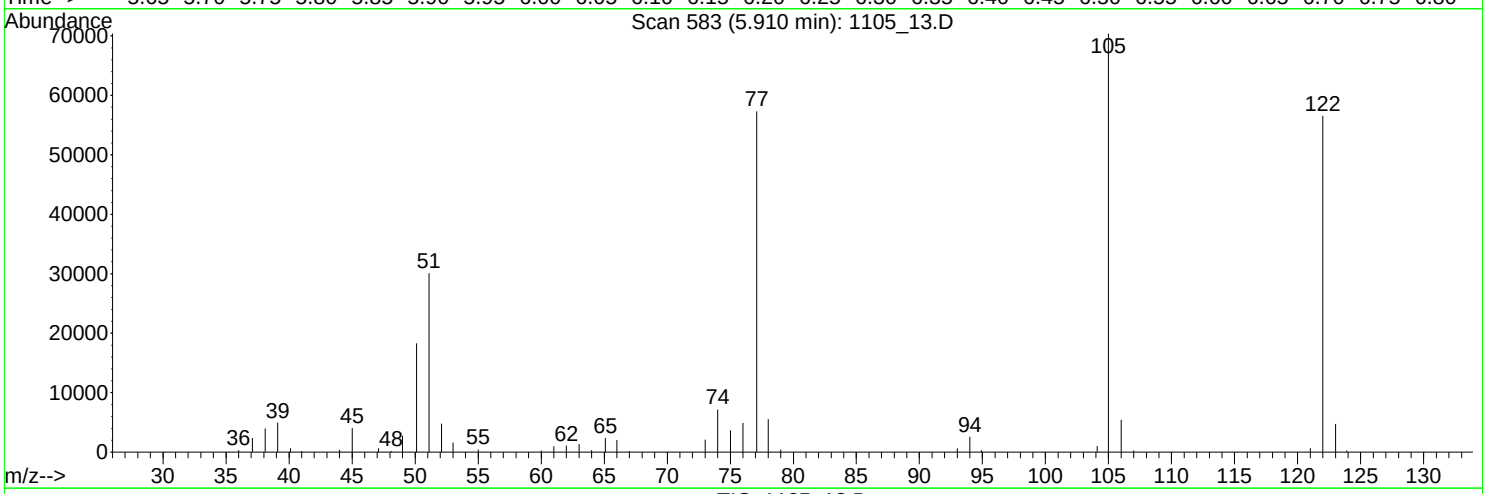
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_13.D Vial: 13
Acq On : 5 Nov 2011 3:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:42:46 2011
Response via : Single Level Calibration





TIC: 1105_13.D

(30) Benzoic Acid (MT)
5.91min (+0.017) 0.0000000 ppb
Qvalue = 83
response 103951

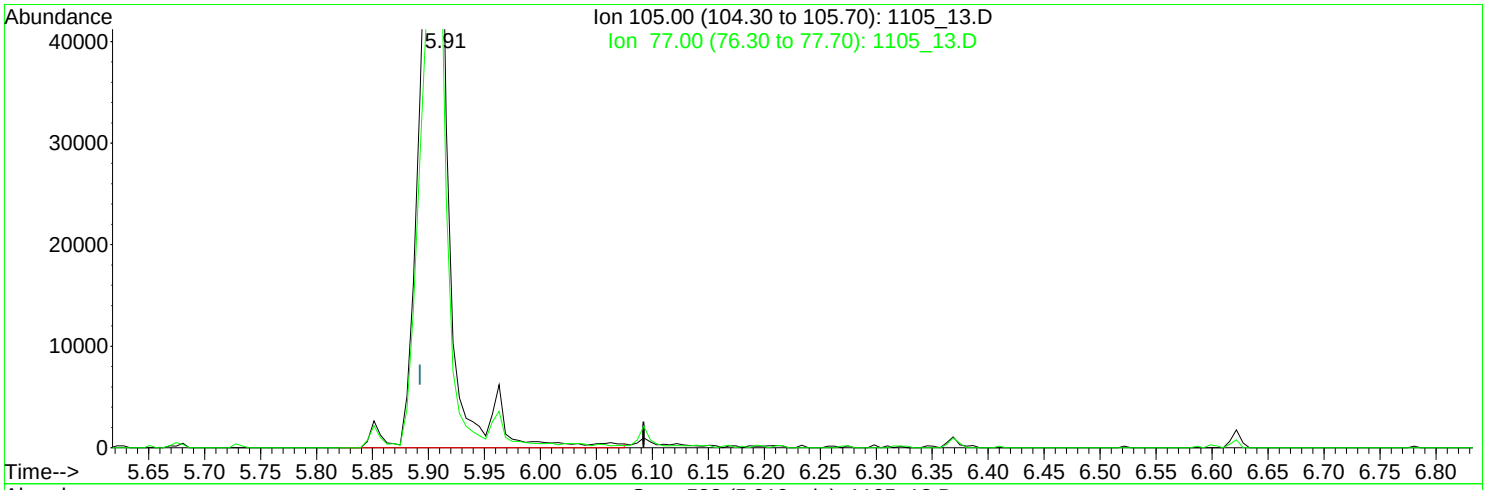
Ion	Exp%	Act%
105.00	100	100
77.00	66.50	79.88
0.00	0.00	0.00
0.00	0.00	0.00

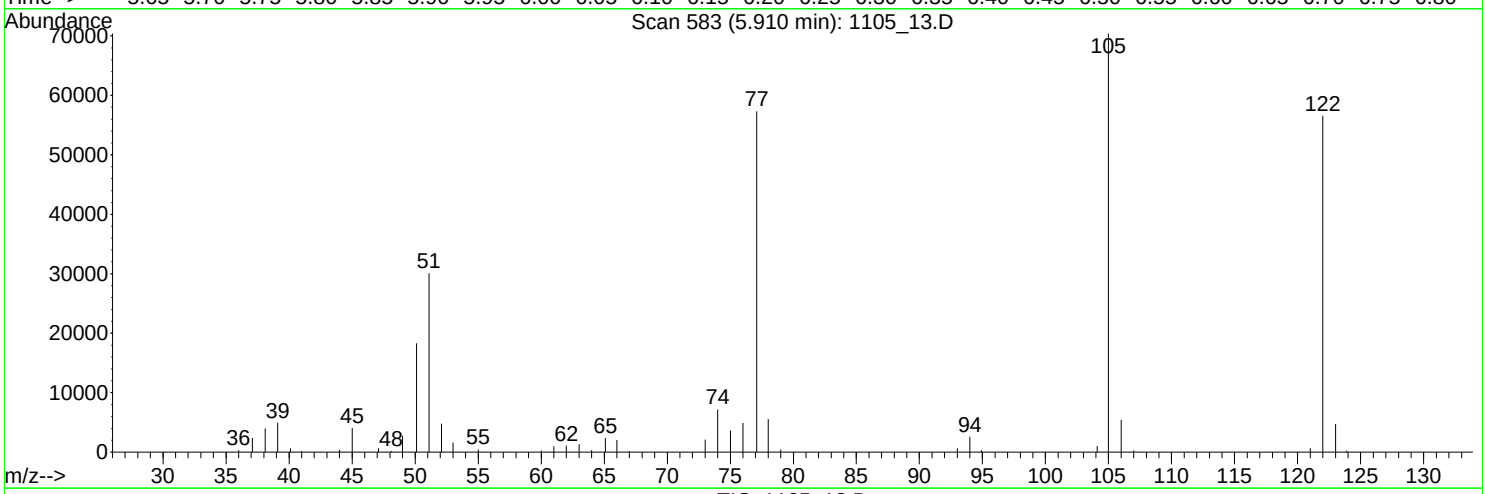
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_13.D Vial: 13
Acq On : 5 Nov 2011 3:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:43 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:42:46 2011
Response via : Single Level Calibration





TIC: 1105_13.D

(30) Benzoic Acid (MT)

5.91min (+0.017) 0.0000000 ppb m

response 114729

Ion	Exp%	Act%
105.00	100	100
77.00	66.50	72.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_13.D Vial: 13
Acq On : 5 Nov 2011 3:50 pm Operator: 377
Sample : STD TCL 20000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:43 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	72929	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	288456	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	162056	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	243992	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	222087	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	224616	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 75	Recovery	=	0.00%#
7) Phenol-d5	0.00	99	0d	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 63	Recovery	=	0.00%#
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb		
Spiked Amount	10.000	Range	17 - 119	Recovery	=	0.00%#
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb		
Spiked Amount	10.000	Range	29 - 127	Recovery	=	0.00%#
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb		
Spiked Amount	20.000	Range	16 - 147	Recovery	=	0.00%#
Spiked Amount	10.000	Range	40 - 174	Recovery	=	0.00%#

Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D.	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	5.09	105	201040	20107.1814424 ppb	98
10) 2-Chlorophenol	0.00	128	0	N.D. d	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20) 3&4-Methyl phenol	0.00	107	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_13.D Vial: 13
Acq On : 5 Nov 2011 3:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:43 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) Acetophenone	5.57	105	339494	20877.0890415 ppb	98
24) Nitrobenzene	0.00	77	0	N.D. d	
25) Isophorone	0.00	82	0	N.D. d	
26) 2-Nitrophenol	0.00	139	0	N.D.	
27) 2,4-Dimethylphenol	0.00	107	0	N.D. d	
28) bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29) 2,4-Dichlorophenol	0.00	162	0	N.D. d	
30) Benzoic Acid	5.91	105	114729	No Calib	
31) 1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32) Naphthalene	0.00	128	0	N.D. d	
33) 4-Chloroaniline	0.00	65	0	N.D. d	
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35) Caprolactam	6.32	113	75993	19497.9441717 ppb	96
36) 4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37) 2-Methylnaphthalene	0.00	142	0	N.D. d	
38) 1-Methylnaphthalene	0.00	142	0	N.D. d	
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	207143	18938.8677146 ppb	99
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45) Biphenyl	0.00	154	0	N.D.	
46) 2-Chloronaphthalene	0.00	162	0	N.D. d	
47) 2-Nitroaniline	0.00	138	0	N.D. d	
48) Acenaphthylene	0.00	152	0	N.D. d	
49) Dimethyl phthalate	0.00	163	0	N.D. d	
50) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51) 3-Nitroaniline	0.00	138	0	N.D. d	
52) Acenaphthene	0.00	153	0	N.D. d	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	0.00	168	0	N.D. d	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56) 2,3,4,6-Tetrachlorophenol	7.30	232	103417	20302.6358540 ppb	97
57) 4-Nitrophenol	0.00	139	0	N.D. d	
58) Fluorene	0.00	166	0	N.D.	
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60) Diethyl phthalate	0.00	149	0	N.D. d	
61) 4-Nitroaniline	0.00	138	0	N.D. d	
62) Azobenzene	0.00	77	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_13.D Vial: 13
Acq On : 5 Nov 2011 3:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:43 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63)	Atrazine	7.77	200	149034	18903.5217495	ppb	97
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	d	
69)	Hexachlorobenzene	0.00	284	0	N.D.	d	
70)	n-octadecane	0.00	55	0	N.D.	d	
71)	Pentachlorophenol	0.00	266	0	N.D.	d	
72)	Phenanthrene	0.00	178	0	N.D.	d	
73)	Anthracene	0.00	178	0	N.D.	d	
74)	Carbazole	0.00	167	0	N.D.		
75)	Di-n-butyl phthalate	0.00	149	0	N.D.	d	
76)	2-nitrodiphenylamine	8.40	167	198151	21855.8341600	ppb	98
77)	Fluoranthene	0.00	202	0	N.D.	d	
79)	Benzidine	8.81	184	453325	20964.3615973	ppb	100
80)	Pyrene	0.00	202	0	N.D.	d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D.	d	
83)	3,3-Dichlorobenzidine	10.00	252	224988	20908.1761060	ppb	99
84)	Benzo(a)anthracene	0.00	228	0	N.D.	d	
85)	Chrysene	0.00	228	0	N.D.	d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D.	d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D.	d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	d	
91)	Benzo(a)pyrene	0.00	252	0	N.D.	d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	d	

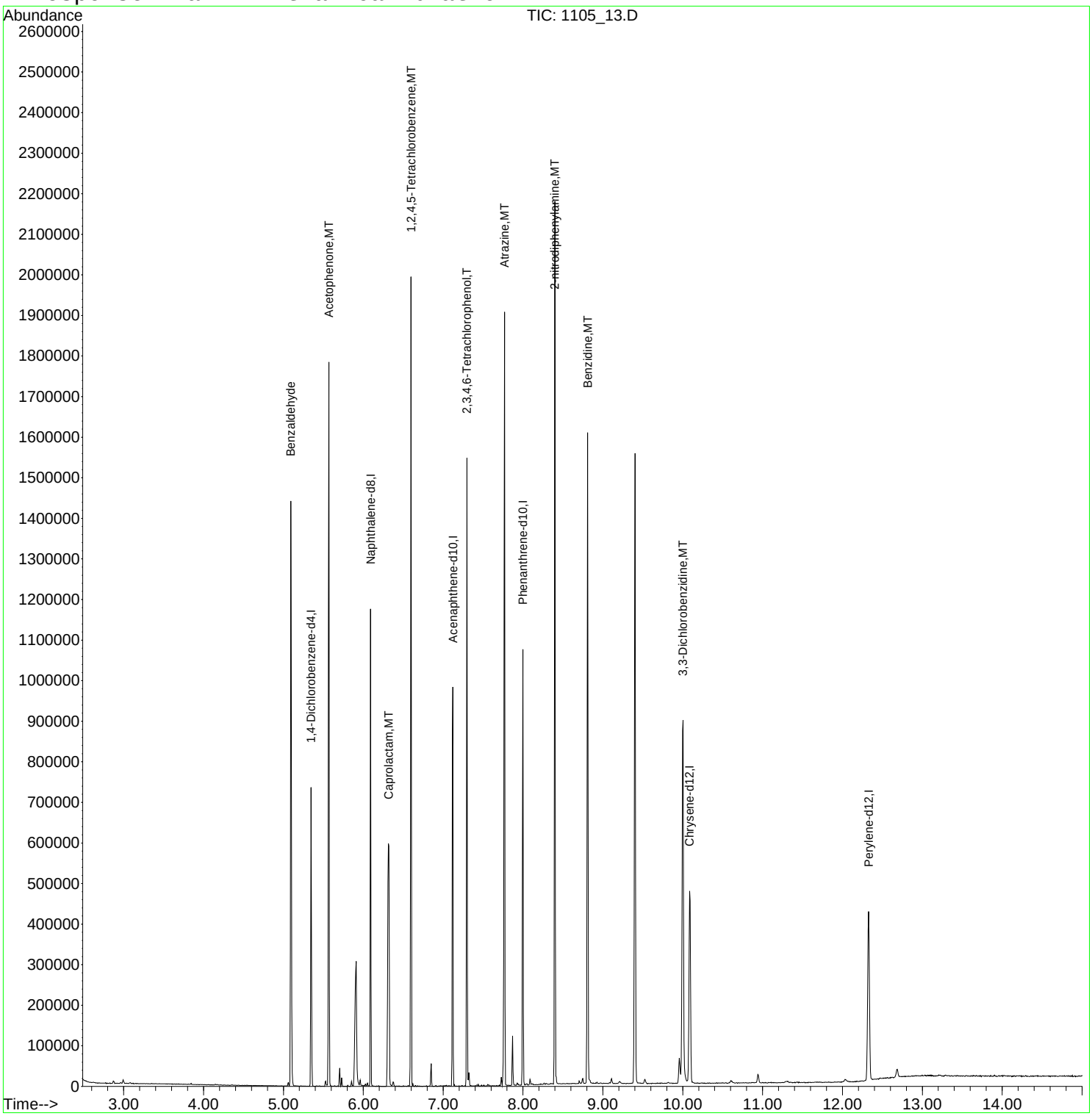
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_13.D Vial: 13
Acq On : 5 Nov 2011 3:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:43 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:42:46 2011
Response via : Initial Calibration

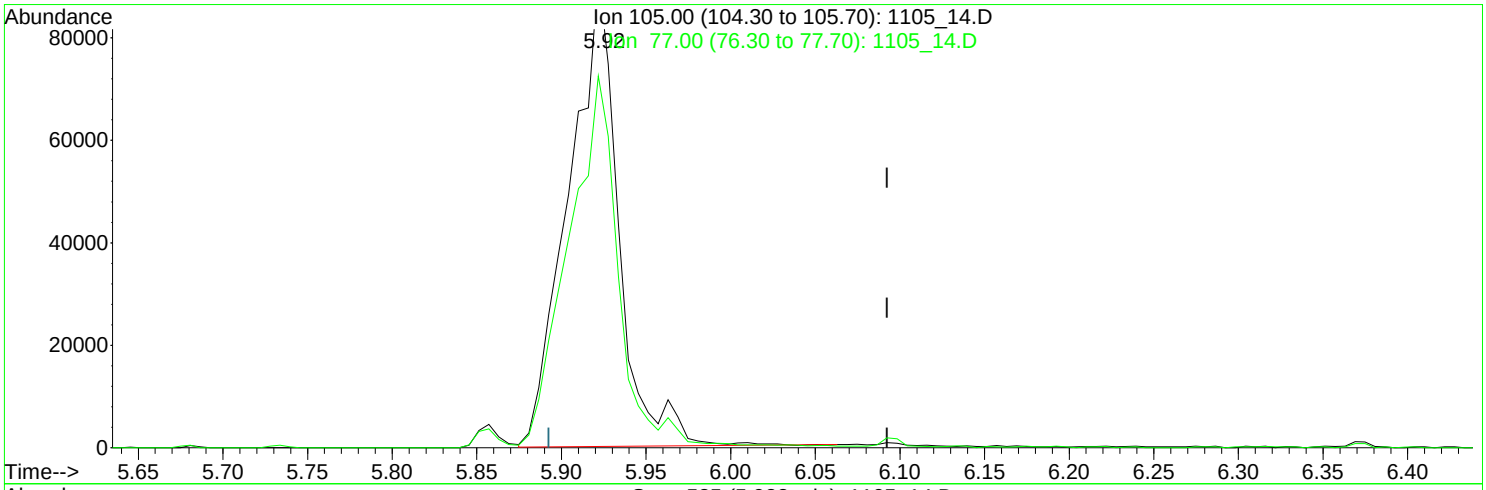


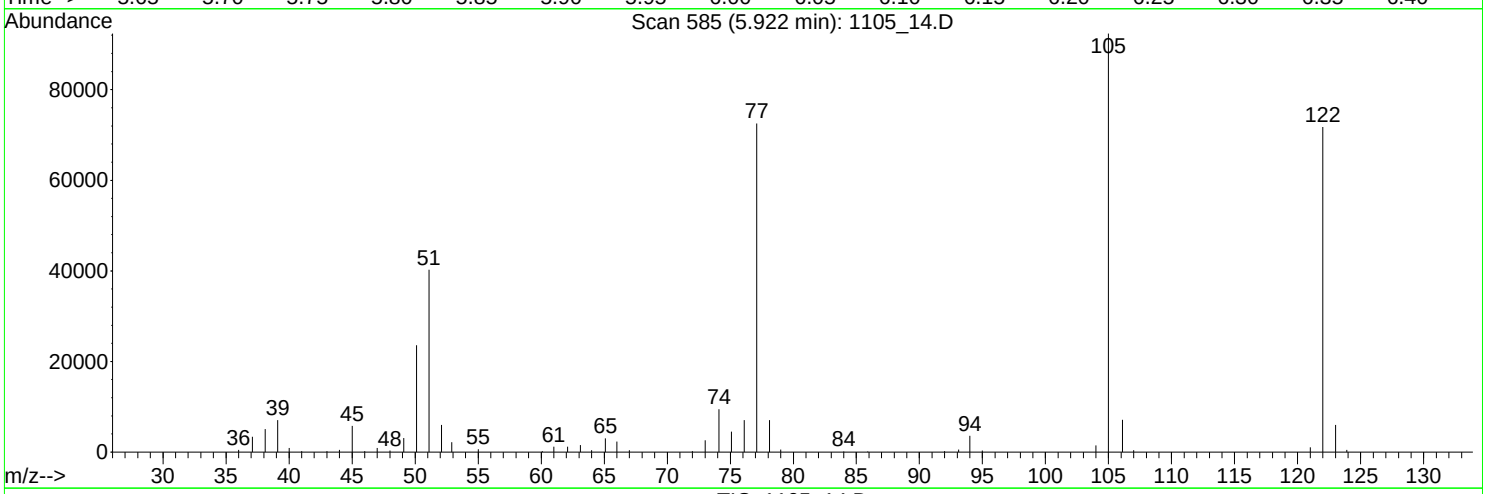
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_14.D Vial: 14
Acq On : 5 Nov 2011 4:09 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:44 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:43:47 2011
Response via : Single Level Calibration





TIC: 1105_14.D

(30) Benzoic Acid (MT)

5.92min (+0.029) 0.0000000 ppb

Qvalue = 83

response 185917

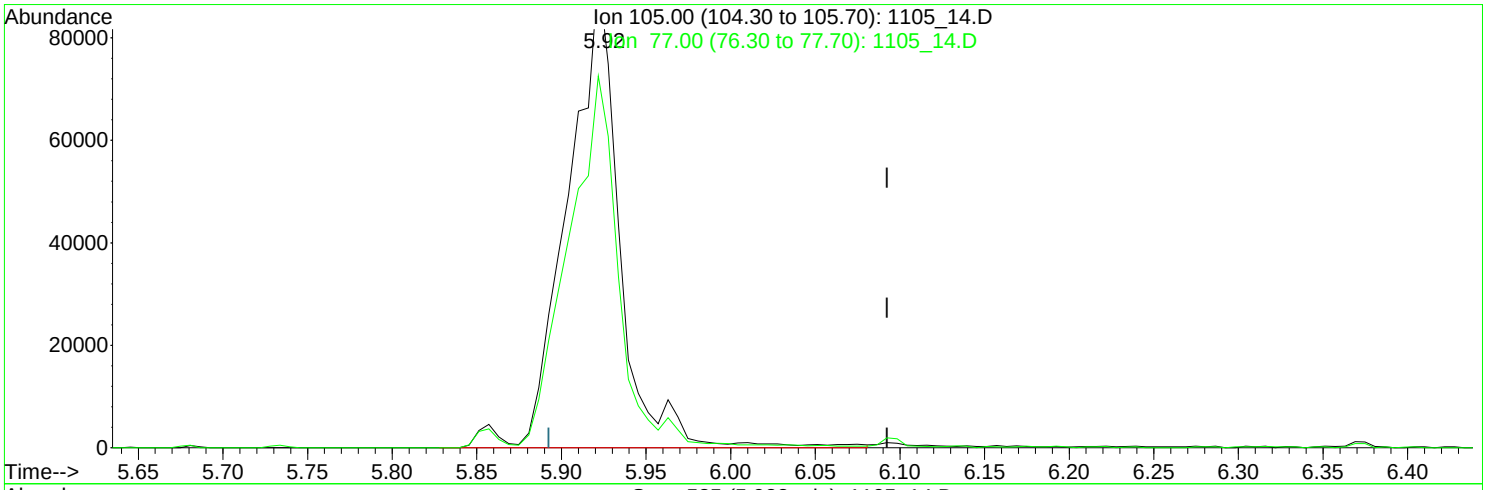
Ion	Exp%	Act%
105.00	100	100
77.00	66.50	79.68
0.00	0.00	0.00
0.00	0.00	0.00

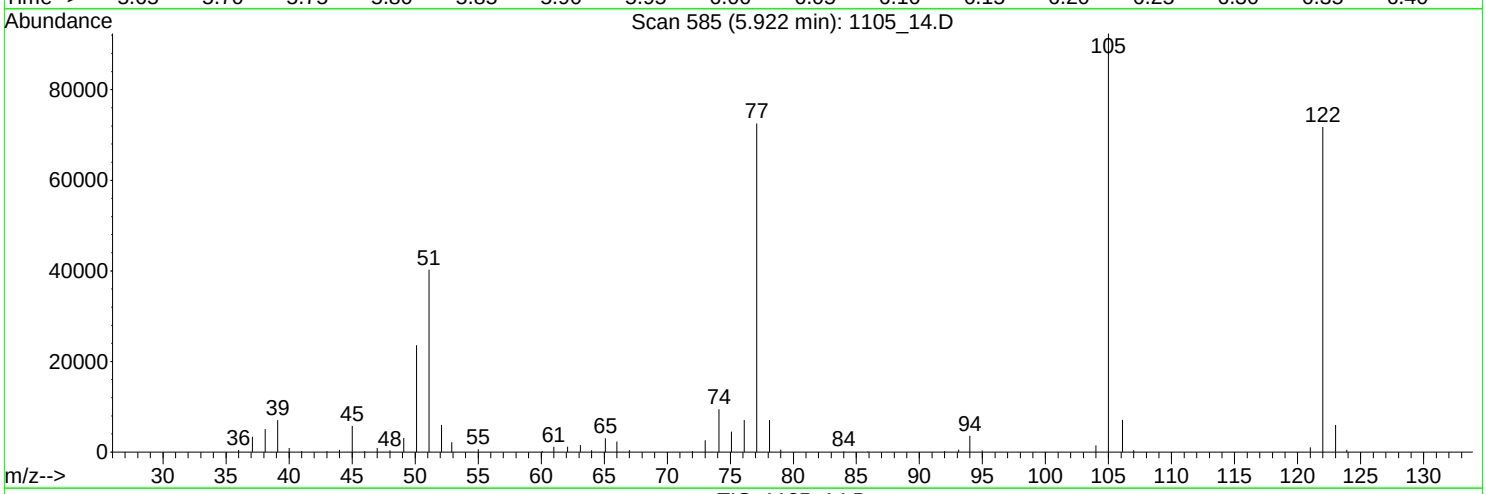
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_14.D Vial: 14
Acq On : 5 Nov 2011 4:09 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:44 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:43:47 2011
Response via : Single Level Calibration





TIC: 1105_14.D

(30) Benzoic Acid (MT)

5.92min (+0.029) 0.0000000 ppb m

response 194991

Ion	Exp%	Act%
105.00	100	100
77.00	66.50	75.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_14.D Vial: 14
Acq On : 5 Nov 2011 4:09 pm Operator: 377
Sample : STD TCL 30000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:44 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	71298	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	273968	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	155770	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	234619	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	218793	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	221934	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 75	Recovery	=	0.00%#
7) Phenol-d5	0.00	99	0d	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 63	Recovery	=	0.00%#
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb		
Spiked Amount	10.000	Range	17 - 119	Recovery	=	0.00%#
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb		
Spiked Amount	10.000	Range	29 - 127	Recovery	=	0.00%#
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb		
Spiked Amount	20.000	Range	16 - 147	Recovery	=	0.00%#
Spiked Amount	10.000	Range	40 - 174	Recovery	=	0.00%#

Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D.	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	5.10	105	282999	28951.8642185 ppb	98
10) 2-Chlorophenol	0.00	128	0	N.D.	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20) 3&4-Methyl phenol	0.00	107	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_14.D Vial: 14
Acq On : 5 Nov 2011 4:09 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:44 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	Acetophenone	5.57	105	468732	29483.9288726 ppb	99
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.92	105	194991	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35)	Caprolactam	6.33	113	109917	29693.3937301 ppb	95
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.60	216	310035	29845.1805623 ppb	98
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D.	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D. d	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
51)	3-Nitroaniline	0.00	138	0	N.D.	
52)	Acenaphthene	0.00	153	0	N.D. d	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.30	232	151946	31033.5213075 ppb	84
57)	4-Nitrophenol	0.00	139	0	N.D. d	
58)	Fluorene	0.00	166	0	N.D.	
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D. d	
62)	Azobenzene	0.00	77	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_14.D Vial: 14
Acq On : 5 Nov 2011 4:09 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:44 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63)	Atrazine	7.77	200	211207	27870.6415950	ppb	98
65)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	d	
66)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	d	
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	d	
69)	Hexachlorobenzene	0.00	284	0	N.D.	d	
70)	n-octadecane	0.00	55	0	N.D.	d	
71)	Pentachlorophenol	0.00	266	0	N.D.	d	
72)	Phenanthrene	0.00	178	0	N.D.	d	
73)	Anthracene	0.00	178	0	N.D.	d	
74)	Carbazole	0.00	167	0	N.D.		
75)	Di-n-butyl phthalate	0.00	149	0	N.D.	d	
76)	2-nitrodiphenylamine	8.40	167	291395	33424.5540233	ppb	97
77)	Fluoranthene	0.00	202	0	N.D.	d	
79)	Benzidine	8.82	184	647507	30395.2803803	ppb	99
80)	Pyrene	0.00	202	0	N.D.	d	
82)	Benzylbutyl phthalate	0.00	149	0	N.D.	d	
83)	3,3-Dichlorobenzidine	10.01	252	336262	31719.3515596	ppb	98
84)	Benzo(a)anthracene	0.00	228	0	N.D.	d	
85)	Chrysene	0.00	228	0	N.D.	d	
86)	bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D.	d	
87)	Di-n-octyl phthalate	0.00	149	0	N.D.	d	
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.	d	
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.	d	
91)	Benzo(a)pyrene	0.00	252	0	N.D.	d	
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	d	
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	d	
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	d	

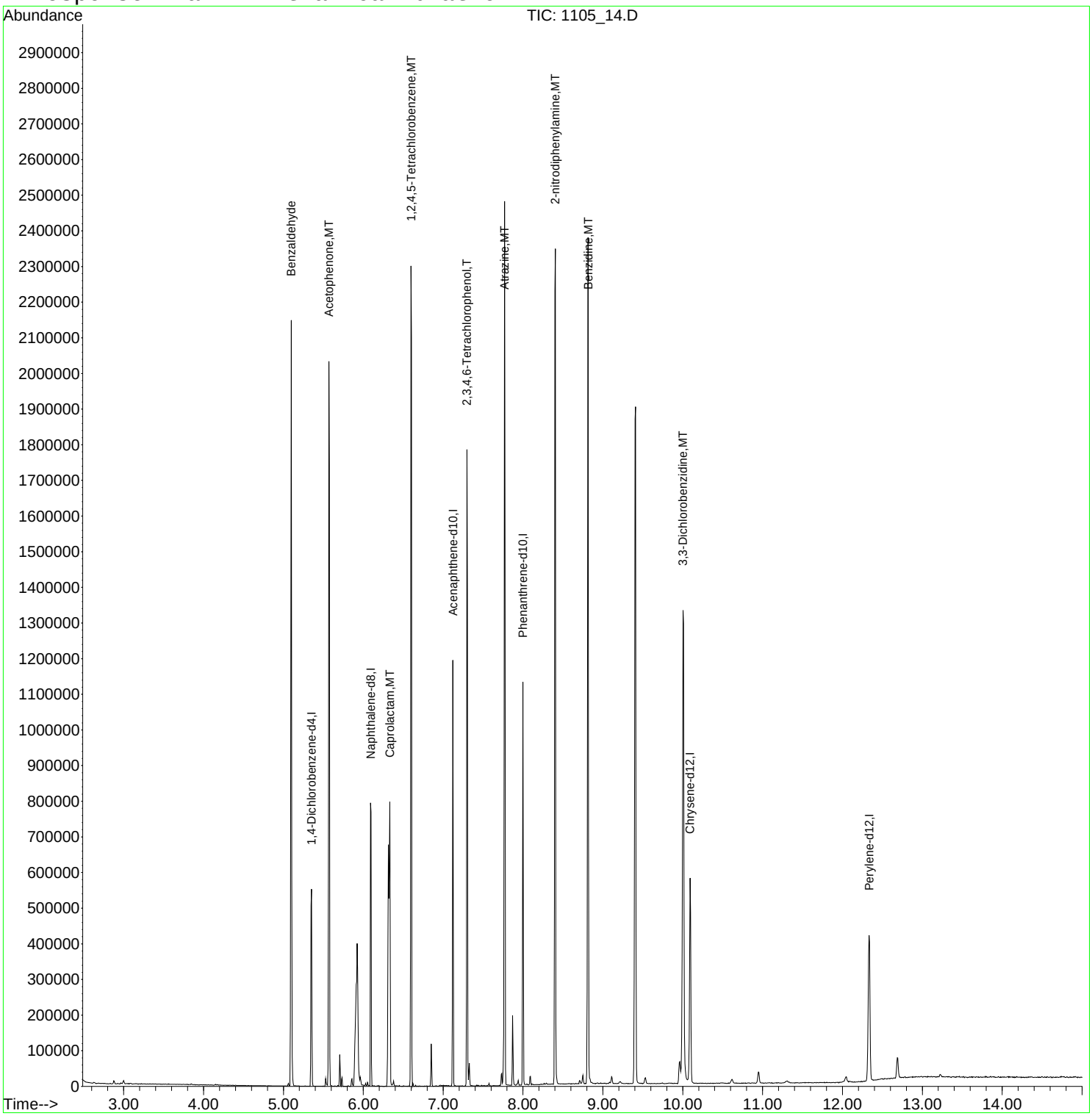
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_14.D Vial: 14
Acq On : 5 Nov 2011 4:09 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:44 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:43:47 2011
Response via : Initial Calibration

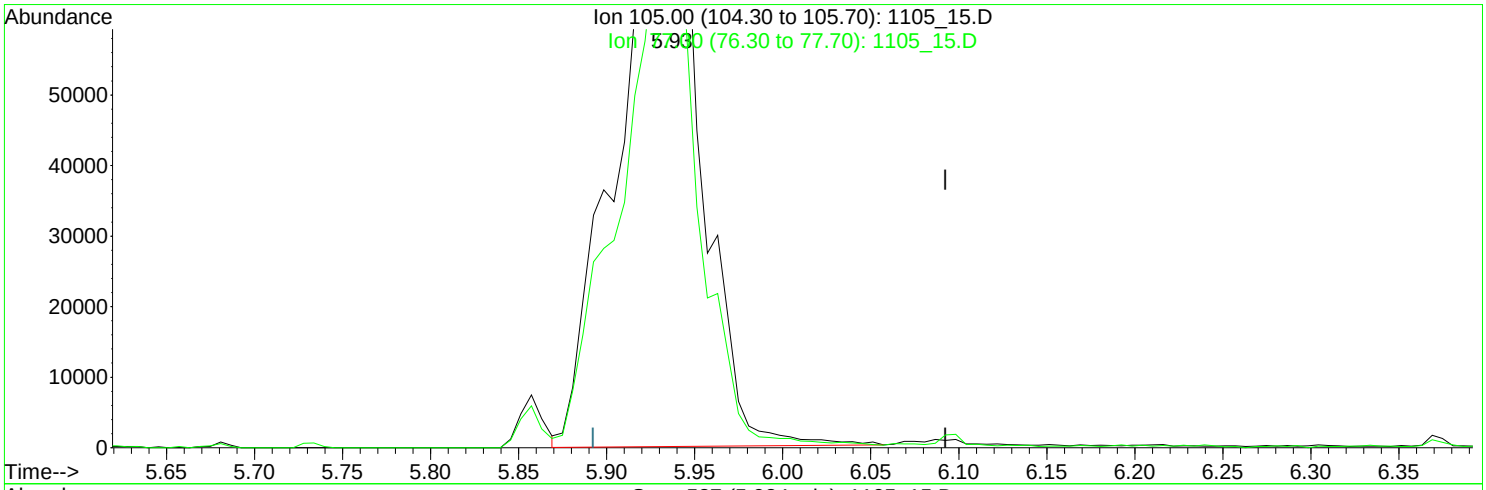


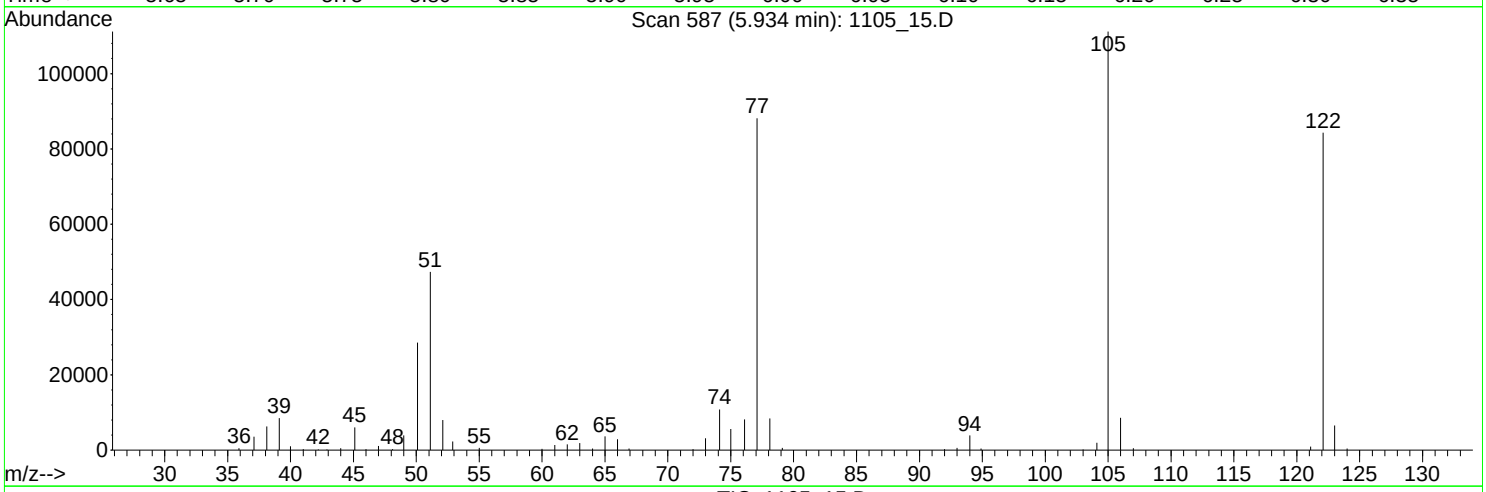
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_15.D Vial: 15
Acq On : 5 Nov 2011 4:29 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:45 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:44:55 2011
Response via : Single Level Calibration





TIC: 1105_15.D

(30) Benzoic Acid (MT)

5.93min (+0.041) 0.0000000 ppb

Qvalue = 85

response 295396

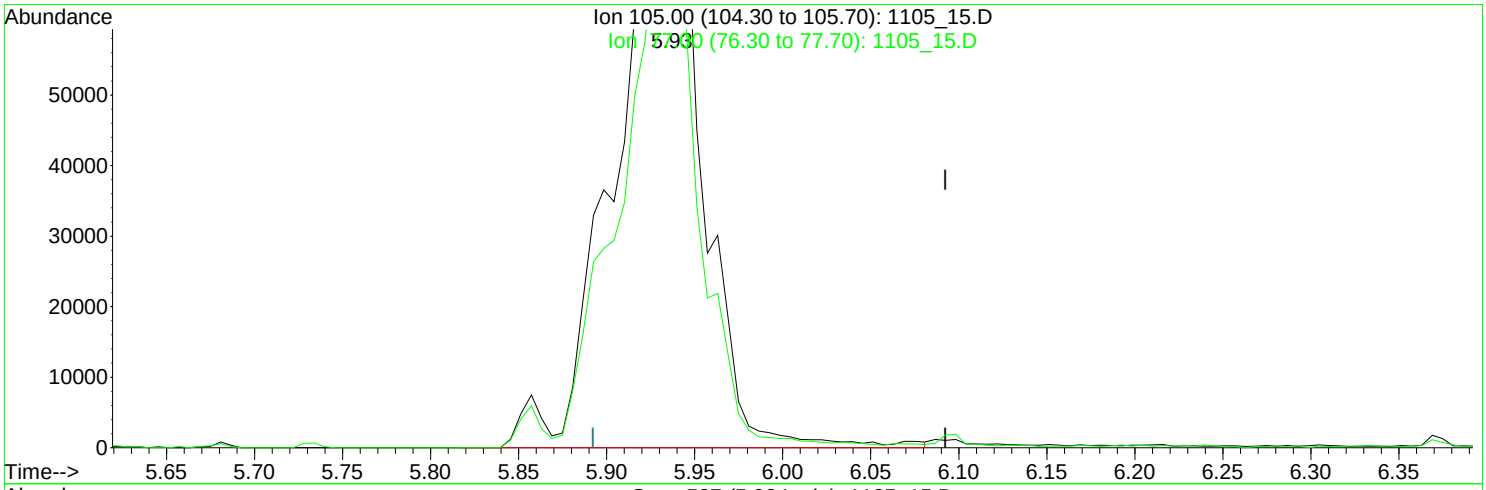
Ion	Exp%	Act%
105.00	100	100
77.00	66.50	78.43
0.00	0.00	0.00
0.00	0.00	0.00

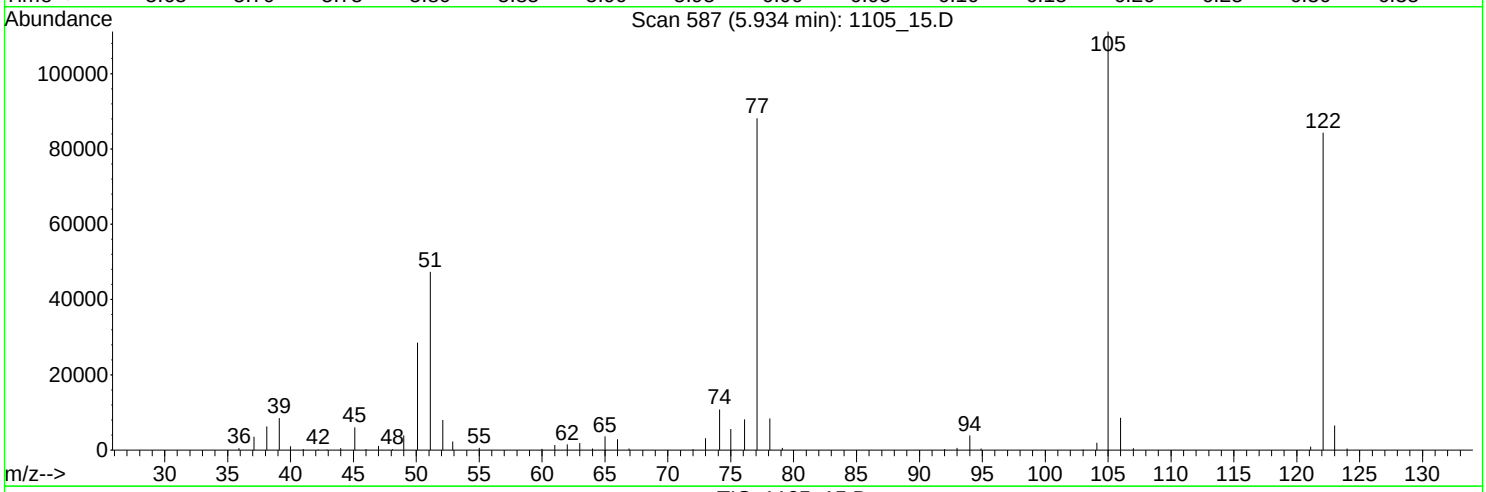
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_15.D Vial: 15
Acq On : 5 Nov 2011 4:29 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:45 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:44:55 2011
Response via : Single Level Calibration





TIC: 1105_15.D

(30) Benzoic Acid (MT)

5.93min (+0.041) 0.0000000 ppb m

response 306064

Ion	Exp%	Act%
105.00	100	100
77.00	66.50	75.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_15.D Vial: 15
Acq On : 5 Nov 2011 4:29 pm Operator: 377
Sample : STD TCL 40000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:45 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	74329	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	286875	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	160551	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	248360	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	225184	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	228882	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 75	Recovery	=	0.00%#
7) Phenol-d5	0.00	99	0d	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 63	Recovery	=	0.00%#
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb		
Spiked Amount	10.000	Range	17 - 119	Recovery	=	0.00%#
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb		
Spiked Amount	10.000	Range	29 - 127	Recovery	=	0.00%#
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb		
Spiked Amount	20.000	Range	16 - 147	Recovery	=	0.00%#
Spiked Amount	10.000	Range	40 - 174	Recovery	=	0.00%#

Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D.	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	5.10	105	375186	36817.7559226 ppb	98
10) 2-Chlorophenol	0.00	128	0	N.D.	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D.	
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20) 3&4-Methyl phenol	0.00	107	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_15.D Vial: 15
Acq On : 5 Nov 2011 4:29 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:45 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) Acetophenone	5.57	105	673726	40650.2402361 ppb	99
24) Nitrobenzene	0.00	77	0	N.D. d	
25) Isophorone	0.00	82	0	N.D. d	
26) 2-Nitrophenol	0.00	139	0	N.D.	
27) 2,4-Dimethylphenol	0.00	107	0	N.D. d	
28) bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29) 2,4-Dichlorophenol	0.00	162	0	N.D. d	
30) Benzoic Acid	5.93	105	306064	No Calib	
31) 1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32) Naphthalene	0.00	128	0	N.D. d	
33) 4-Chloroaniline	0.00	65	0	N.D. d	
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.	
35) Caprolactam	6.34	113	157029	40511.8402934 ppb	93
36) 4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37) 2-Methylnaphthalene	0.00	142	0	N.D. d	
38) 1-Methylnaphthalene	0.00	142	0	N.D. d	
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	416524	38292.2295082 ppb	99
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42) 2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43) 2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45) Biphenyl	0.00	154	0	N.D.	
46) 2-Chloronaphthalene	0.00	162	0	N.D. d	
47) 2-Nitroaniline	0.00	138	0	N.D. d	
48) Acenaphthylene	0.00	152	0	N.D. d	
49) Dimethyl phthalate	0.00	163	0	N.D. d	
50) 2,6-Dinitrotoluene	0.00	165	0	N.D.	
51) 3-Nitroaniline	0.00	138	0	N.D.	
52) Acenaphthene	0.00	153	0	N.D. d	
53) 2,4-Dinitrophenol	0.00	184	0	N.D.	
54) Dibenzofuran	0.00	168	0	N.D. d	
55) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56) 2,3,4,6-Tetrachlorophenol	7.30	232	223861	44359.9481200 ppb	89
57) 4-Nitrophenol	0.00	139	0	N.D. d	
58) Fluorene	0.00	166	0	N.D.	
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60) Diethyl phthalate	0.00	149	0	N.D. d	
61) 4-Nitroaniline	0.00	138	0	N.D.	
62) Azobenzene	0.00	77	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_15.D Vial: 15
Acq On : 5 Nov 2011 4:29 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:45 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63) Atrazine	7.77	200	297989	38151.3312130 ppb	98
65) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66) N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68) 4-Bromophenyl-phenylether	0.00	248	0	N.D. d	
69) Hexachlorobenzene	0.00	284	0	N.D. d	
70) n-octadecane	0.00	55	0	N.D. d	
71) Pentachlorophenol	0.00	266	0	N.D. d	
72) Phenanthrene	0.00	178	0	N.D. d	
73) Anthracene	0.00	178	0	N.D. d	
74) Carbazole	0.00	167	0	N.D.	
75) Di-n-butyl phthalate	0.00	149	0	N.D. d	
76) 2-nitrodiphenylamine	8.40	167	408789	44295.9739347 ppb	97
77) Fluoranthene	0.00	202	0	N.D. d	
79) Benzidine	8.82	184	862281	39328.4107118 ppb	99
80) Pyrene	0.00	202	0	N.D. d	
82) Benzylbutyl phthalate	0.00	149	0	N.D. d	
83) 3,3-Dichlorobenzidine	10.01	252	469901	43067.4116840 ppb	98
84) Benzo(a)anthracene	0.00	228	0	N.D. d	
85) Chrysene	0.00	228	0	N.D. d	
86) bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87) Di-n-octyl phthalate	0.00	149	0	N.D. d	
89) Benzo(b)fluoranthene	0.00	252	0	N.D. d	
90) Benzo(k)fluoranthene	0.00	252	0	N.D. d	
91) Benzo(a)pyrene	0.00	252	0	N.D. d	
92) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D. d	
93) Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94) Benzo(g,h,i)perylene	0.00	276	0	N.D. d	

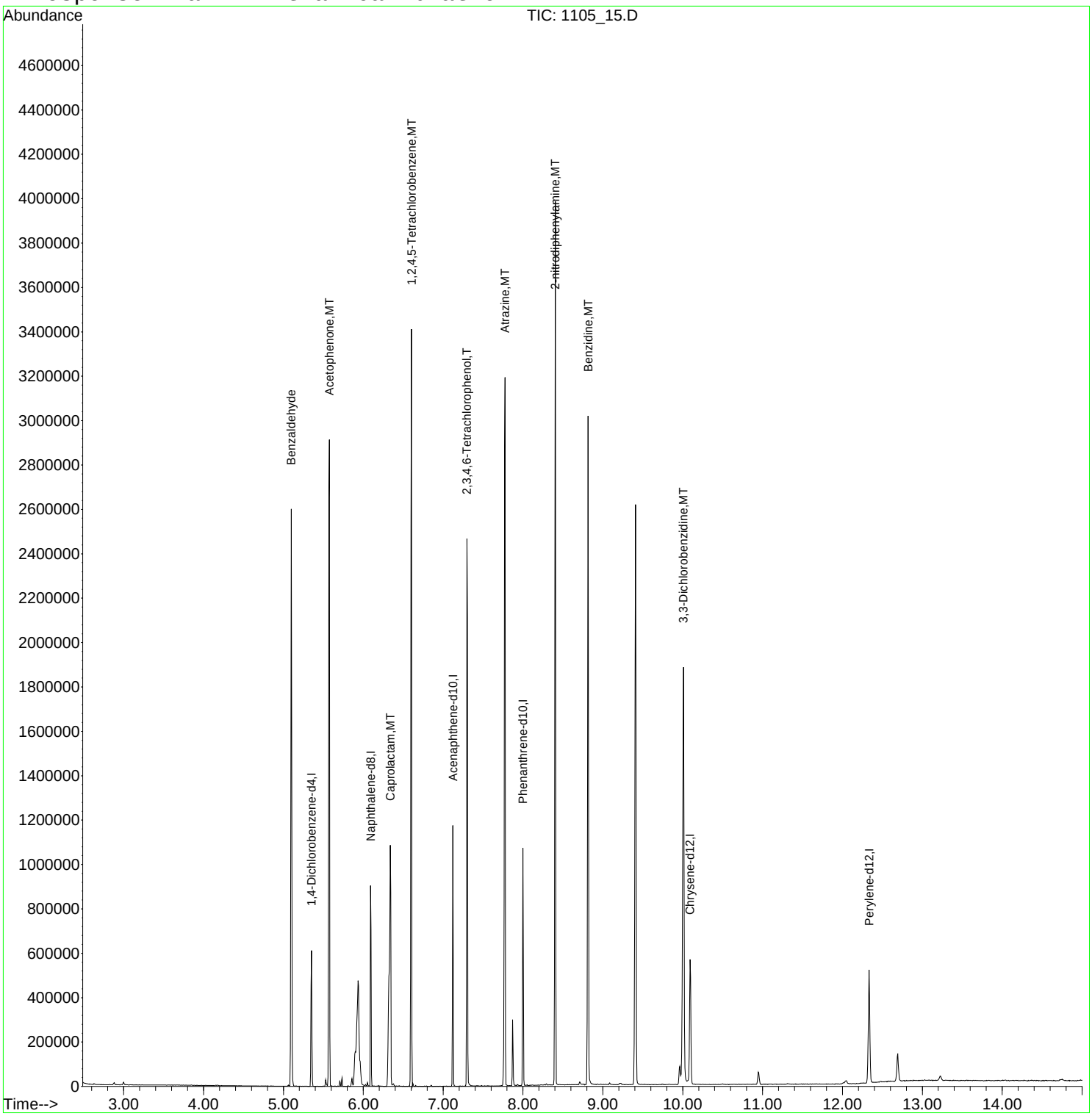
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_15.D Vial: 15
Acq On : 5 Nov 2011 4:29 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:45 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:44:55 2011
Response via : Initial Calibration

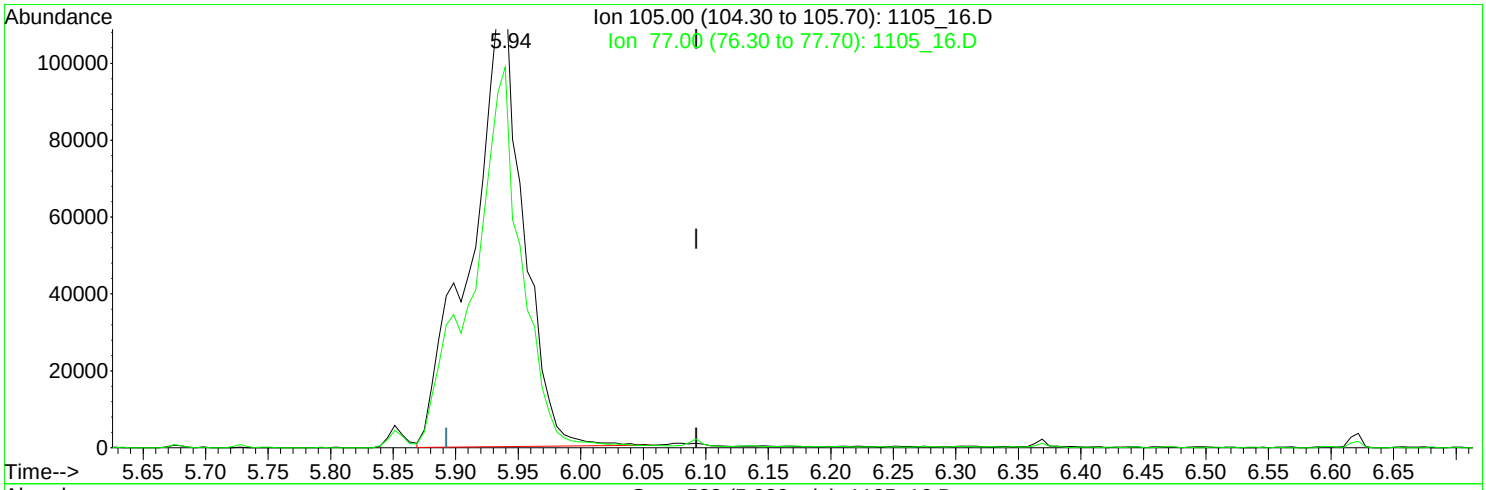


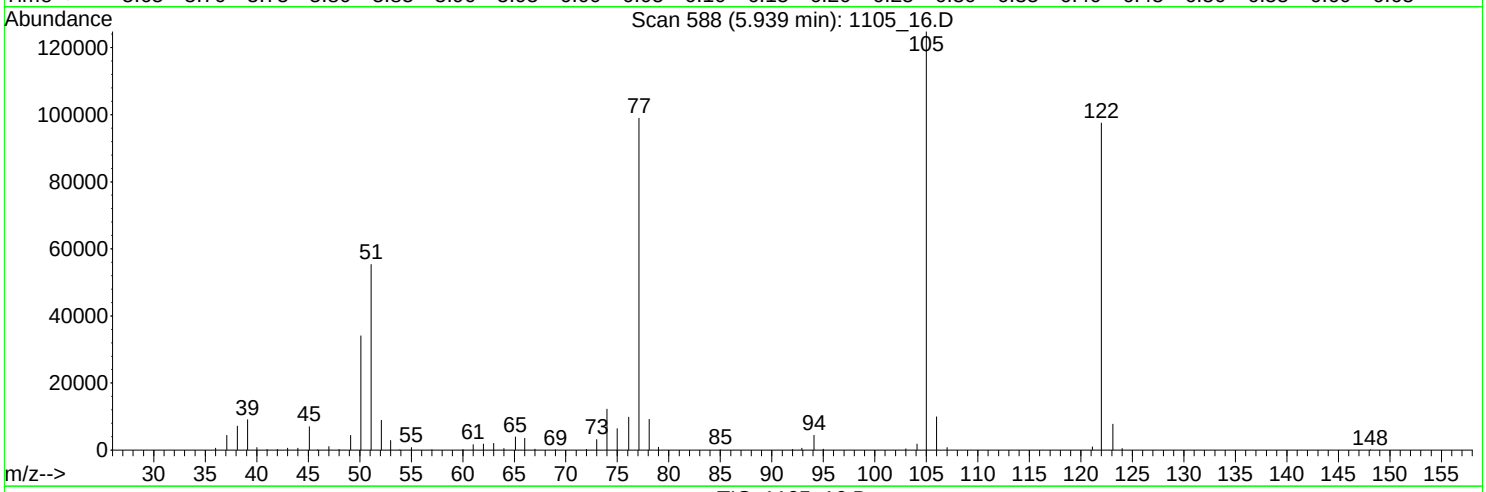
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_16.D Vial: 16
Acq On : 5 Nov 2011 4:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:45:57 2011
Response via : Single Level Calibration





TIC: 1105_16.D

(30) Benzoic Acid (MT)
5.94min (+0.047) 0.0000000 ppb
Qvalue = 84
response 335389

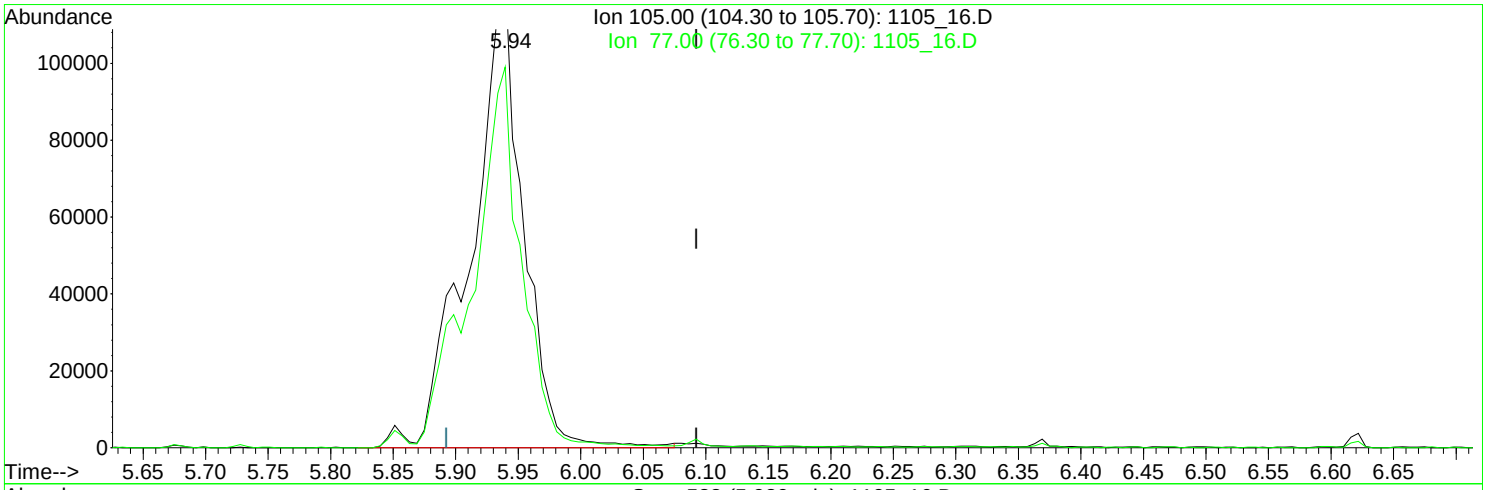
Ion	Exp%	Act%
105.00	100	100
77.00	66.50	79.05
0.00	0.00	0.00
0.00	0.00	0.00

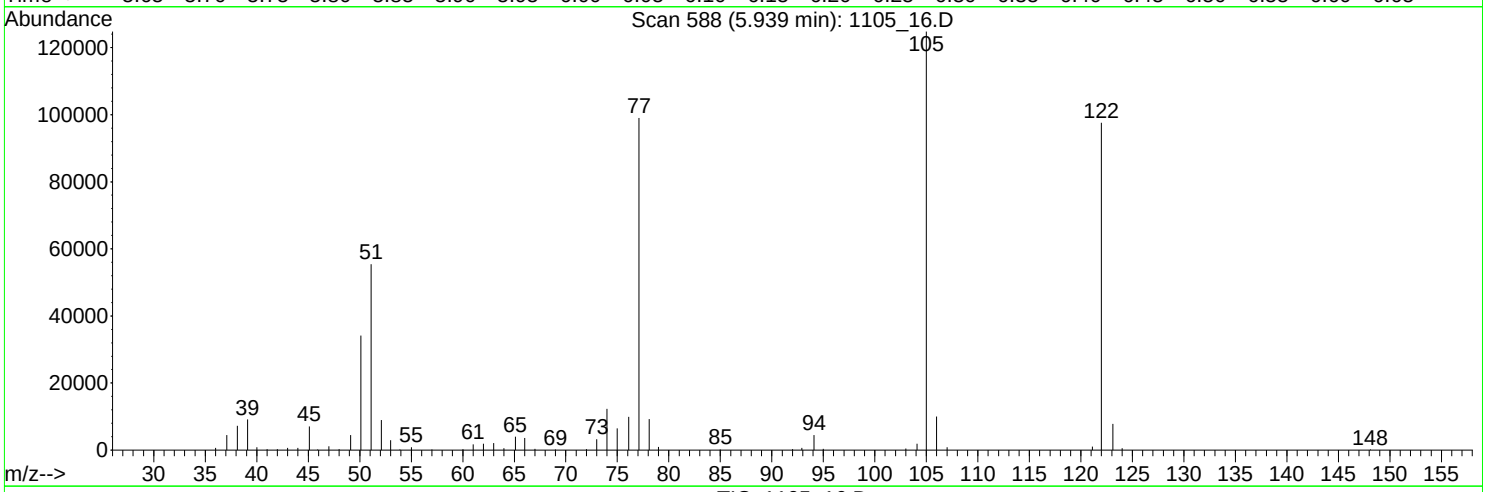
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_16.D Vial: 16
Acq On : 5 Nov 2011 4:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:47 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:45:57 2011
Response via : Single Level Calibration





TIC: 1105_16.D

(30) Benzoic Acid (MT)

5.94min (+0.047) 0.0000000 ppb m

response 345942

Ion	Exp%	Act%
105.00	100	100
77.00	66.50	76.63
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_16.D Vial: 16
Acq On : 5 Nov 2011 4:49 pm Operator: 377
Sample : STD TCL 50000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:47 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	69057	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	262010	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	145369	8000.00 ppb	0.00
64) Phenanthrene-d10	7.99	188	226300	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	205006	8000.00 ppb	0.00
88) Perylene-d12	12.32	264	214149	8000.00 ppb	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 75	Recovery	=	0.00%#
7) Phenol-d5	0.00	99	0d	0.0000000 ppb		
Spiked Amount	20.000	Range	10 - 63	Recovery	=	0.00%#
23) Nitrobenzene-d5	0.00	82	0d	0.0000000 ppb		
Spiked Amount	10.000	Range	17 - 119	Recovery	=	0.00%#
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb		
Spiked Amount	10.000	Range	29 - 127	Recovery	=	0.00%#
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb		
Spiked Amount	20.000	Range	16 - 147	Recovery	=	0.00%#
Spiked Amount	10.000	Range	40 - 174	Recovery	=	0.00%#

Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	42	0	N.D.	
5) Aniline	0.00	93	0	N.D. d	
6) bis(2-Chloroethyl)ether	0.00	93	0	N.D. d	
8) Phenol	0.00	94	0	N.D. d	
9) Benzaldehyde	5.10	105	426542	45052.9334045 ppb	98
10) 2-Chlorophenol	0.00	128	0	N.D.	
11) n-Decane	0.00	41	0	N.D. d	
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
14) Benzyl Alcohol	0.00	79	0	N.D. d	
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
16) bis(2-Chloroisopropyl)ethe	0.00	121	0	N.D. d	
17) 2-Methylphenol	0.00	108	0	N.D. d	
18) Hexachloroethane	0.00	117	0	N.D. d	
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
20) 3&4-Methyl phenol	0.00	107	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_16.D Vial: 16
Acq On : 5 Nov 2011 4:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:47 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	Acetophenone	5.57	105	751125	48780.0912304 ppb	99
24)	Nitrobenzene	0.00	77	0	N.D. d	
25)	Isophorone	0.00	82	0	N.D. d	
26)	2-Nitrophenol	0.00	139	0	N.D. d	
27)	2,4-Dimethylphenol	0.00	107	0	N.D. d	
28)	bis(2-Chlorethoxy)methane	0.00	93	0	N.D. d	
29)	2,4-Dichlorophenol	0.00	162	0	N.D. d	
30)	Benzoic Acid	5.94	105	345942	No Calib	
31)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
32)	Naphthalene	0.00	128	0	N.D. d	
33)	4-Chloroaniline	0.00	65	0	N.D. d	
34)	Hexachloro-1,3-butadiene	0.00	225	0	N.D. d	
35)	Caprolactam	6.35	113	180338	50940.6159082 ppb	97
36)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
37)	2-Methylnaphthalene	0.00	142	0	N.D. d	
38)	1-Methylnaphthalene	0.00	142	0	N.D. d	
39)	1,2,4,5-Tetrachlorobenzene	6.60	216	451850	45482.0200396 ppb	98
41)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
42)	2,4,6-Trichlorophenol	0.00	196	0	N.D. d	
43)	2,4,5-Trichlorophenol	0.00	196	0	N.D. d	
45)	Biphenyl	0.00	154	0	N.D.	
46)	2-Chloronaphthalene	0.00	162	0	N.D. d	
47)	2-Nitroaniline	0.00	138	0	N.D. d	
48)	Acenaphthylene	0.00	152	0	N.D. d	
49)	Dimethyl phthalate	0.00	163	0	N.D. d	
50)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
51)	3-Nitroaniline	0.00	138	0	N.D.	
52)	Acenaphthene	0.00	153	0	N.D. d	
53)	2,4-Dinitrophenol	0.00	184	0	N.D.	
54)	Dibenzofuran	0.00	168	0	N.D. d	
55)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
56)	2,3,4,6-Tetrachlorophenol	7.30	232	250344	54788.6991700 ppb	99
57)	4-Nitrophenol	0.00	139	0	N.D. d	
58)	Fluorene	0.00	166	0	N.D.	
59)	4-Chlorophenyl-phenylether	0.00	204	0	N.D. d	
60)	Diethyl phthalate	0.00	149	0	N.D. d	
61)	4-Nitroaniline	0.00	138	0	N.D.	
62)	Azobenzene	0.00	77	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_16.D Vial: 16
Acq On : 5 Nov 2011 4:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:47 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 16:21:33 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63) Atrazine	7.77	200	340315	48120.6812927 ppb	100
65) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D. d	
66) N-Nitrosodiphenylamine	0.00	169	0	N.D. d	
68) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
69) Hexachlorobenzene	0.00	284	0	N.D. d	
70) n-octadecane	0.00	55	0	N.D. d	
71) Pentachlorophenol	0.00	266	0	N.D. d	
72) Phenanthrene	0.00	178	0	N.D. d	
73) Anthracene	0.00	178	0	N.D. d	
74) Carbazole	0.00	167	0	N.D.	
75) Di-n-butyl phthalate	0.00	149	0	N.D. d	
76) 2-nitrodiphenylamine	8.40	167	462968	55057.0737462 ppb	96
77) Fluoranthene	0.00	202	0	N.D. d	
79) Benzidine	8.81	184	994115	49804.1077646 ppb	100
80) Pyrene	0.00	202	0	N.D. d	
82) Benzylbutyl phthalate	0.00	149	0	N.D. d	
83) 3,3-Dichlorobenzidine	10.00	252	524780	52831.2194482 ppb	97
84) Benzo(a)anthracene	0.00	228	0	N.D. d	
85) Chrysene	0.00	228	0	N.D. d	
86) bis(2-Ethylhexyl)phthalate	0.00	149	0	N.D. d	
87) Di-n-octyl phthalate	0.00	149	0	N.D. d	
89) Benzo(b)fluoranthene	0.00	252	0	N.D.	
90) Benzo(k)fluoranthene	0.00	252	0	N.D. d	
91) Benzo(a)pyrene	0.00	252	0	N.D. d	
92) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D. d	
93) Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
94) Benzo(g,h,i)perylene	0.00	276	0	N.D. d	

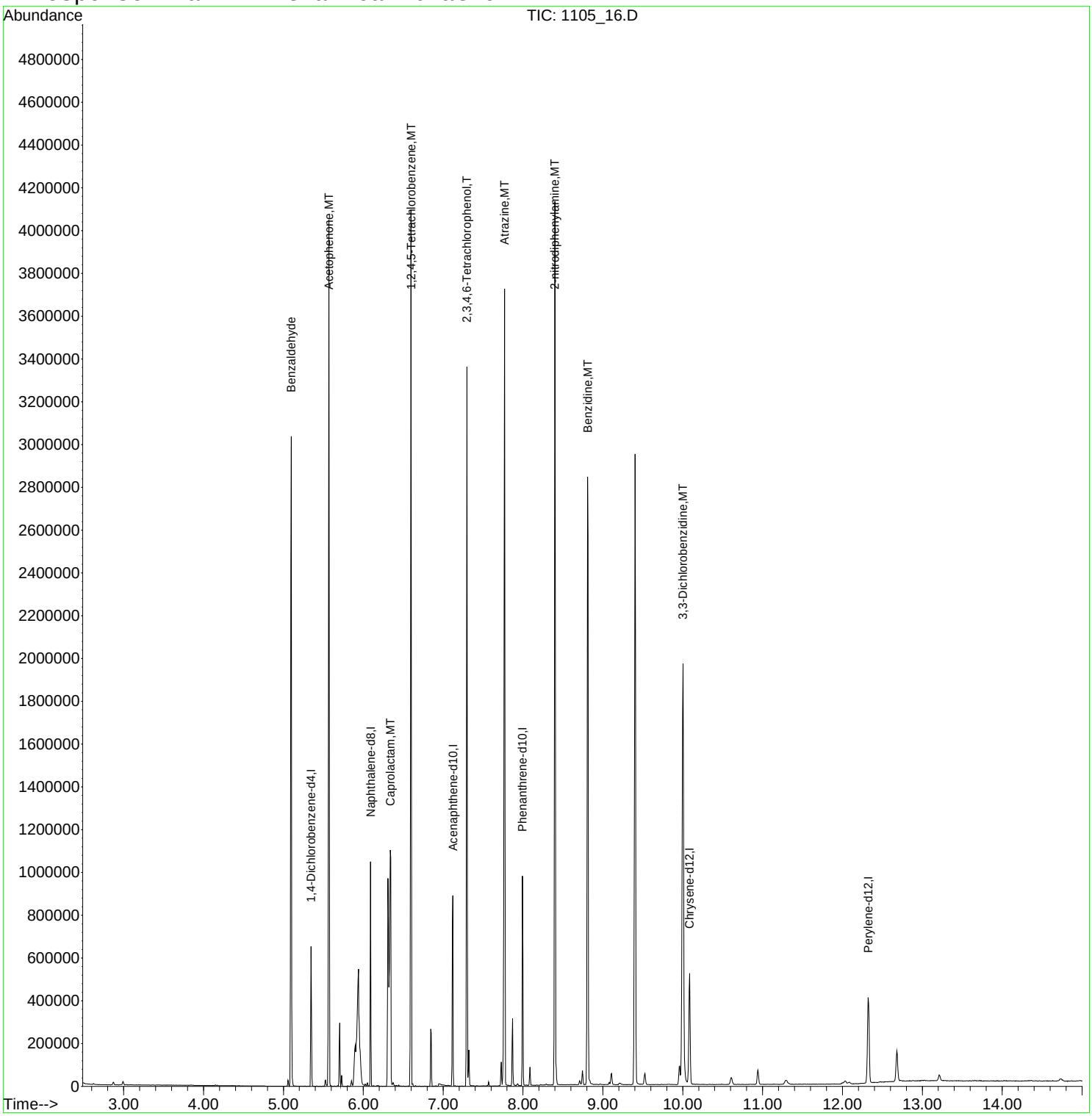
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_16.D Vial: 16
Acq On : 5 Nov 2011 4:49 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:47 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:45:57 2011
Response via : Initial Calibration



8270D MIN RF REPORT curve 1

Sample Name STD SVMS 10000 ppb 11G20058
Data File Name 1105_02.D
Acquired 5 Nov 2011 12:11 pm

level **10000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	72766			
2	Pyridine	9999.92	130251	1.432		
3	N-Nitrosodimethylamine	10000.00	78349	0.861		
4	2-Fluorophenol	10000.00	114596	1.260		
5	Aniline	10000.00	184694	2.031		
6	bis(2-Chloroethyl)ether	9984.57	130083	1.430	0.700	PASS
7	Phenol-d5	10000.00	133013	1.462		
8	Phenol	10000.00	160023	1.759	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	10000.00	126091	1.386	0.800	PASS
11	n-Decane	10000.00	85651	0.942		
12	1,3-Dichlorobenzene	10000.00	140134	1.541		
13	1,4-Dichlorobenzene	10000.00	139866	1.538		
14	Benzyl Alcohol	10000.00	109014	1.199		
15	1,2-Dichlorobenzene	10000.00	132912	1.461		
16	bis(2-Chloroisopropyl)ether	10000.00	43713	0.481	0.010	PASS
17	2-Methylphenol	10000.00	119863	1.318	0.700	PASS
18	Hexachloroethane	10000.00	56971	0.626	0.300	PASS
19	N-Nitrosodi-n-propylamine	10000.00	98589	1.084	0.500	PASS
20	3&4-Methyl phenol	10000.00	127245	1.399	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	283169			
23	Nitrobenzene-d5	10000.00	157895	0.446		
24	Nitrobenzene	10000.00	142530	0.403	0.200	PASS
25	Isophorone	10000.00	260012	0.735	0.400	PASS
26	2-Nitrophenol	10000.00	61568	0.174	0.100	PASS
27	2,4-Dimethylphenol	10000.00	127070	0.359	0.200	PASS
28	bis(2-Chlorethoxy)methane	10000.00	148169	0.419	0.300	PASS
29	2,4-Dichlorophenol	10000.00	101711	0.287	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	10000.00	112749	0.319		
32	Naphthalene	10000.00	381660	1.078	0.700	PASS
33	4-Chloroaniline	10000.00	50468	0.143	0.010	PASS
34	Hexachloro-1,3-butadiene	10000.00	66470	0.188	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	10000.00	112702	0.318	0.200	PASS
37	2-Methylnaphthalene	10000.00	244924	0.692	0.400	PASS
38	1-Methylnaphthalene	10000.00	244064	0.690		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	154192			
41	Hexachlorocyclopentadiene	10000.00	61017	0.317	0.050	PASS
42	2,4,6-Trichlorophenol	10000.00	73129	0.379	0.200	PASS
43	2,4,5-Trichlorophenol	10000.00	76634	0.398	0.200	PASS
44	2-Fluorobiphenyl	10000.00	265276	1.376		
45	Biphenyl	10000.00	298924	1.551	0.010	PASS
46	2-Chloronaphthalene	10000.00	223314	1.159	0.800	PASS
47	2-Nitroaniline	10000.00	72230	0.375	0.010	PASS
48	Acenaphthylene	10000.00	356885	1.852	0.900	PASS
49	Dimethyl phthalate	10000.00	261194	1.355	0.010	PASS
50	2,6-Dinitrotoluene	10000.00	58163	0.302	0.200	PASS
51	3-Nitroaniline	10000.00	59835	0.310	0.010	PASS

52	Acenaphthene	10000.00	232967	1.209	0.900	PASS
53	2,4-Dinitrophenol	10000.00	15405	0.080	0.010	PASS
54	Dibenzofuran	10000.00	311398	1.616	0.800	PASS
55	2,4-Dinitrotoluene	10000.00	76218	0.395	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	10000.00	41382	0.215	0.010	PASS
58	Fluorene	10000.00	266402	1.382	0.900	PASS
59	4-Chlorophenyl-phenylether	10000.00	119799	0.622	0.400	PASS
60	Diethyl phthalate	10000.00	272070	1.412	0.010	PASS
61	4-Nitroaniline	10000.00	44272	0.230	0.010	PASS
62	Azobenzene	10000.00	299956	1.556		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	241922			
65	4,6-Dinitro-2-methylphenol	10000.00	31565	0.104	0.010	PASS
66	N-Nitrosodiphenylamine	10000.00	214210	0.708	0.010	PASS
67	2,4,6-Tribromophenol	10000.00	32339	0.107		
68	4-Bromophenyl-phenylether	10000.00	68446	0.226	0.100	PASS
69	Hexachlorobenzene	10000.00	78021	0.258	0.100	PASS
70	n-octadecane	10000.00	52935	0.175		
71	Pentachlorophenol	10000.00	46852	0.155	0.050	PASS
72	Phenanthrene	10000.00	358140	1.184	0.700	PASS
73	Anthracene	10000.00	366140	1.211	0.700	PASS
74	Carbazole	10000.03	331343	1.096	0.010	PASS
75	Di-n-butyl phthalate	10000.00	488089	1.614	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	10000.00	400828	1.325	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	221195			
80	Pyrene	10000.00	394645	1.427	0.600	PASS
81	p-Terphenyl-d14	10000.00	217032	0.785		
82	Benzylbutyl phthalate	10000.00	201877	0.730	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	10000.00	339053	1.226	0.800	PASS
85	Chrysene	10000.00	320917	1.161	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	10000.00	297545	1.076	0.010	PASS
87	Di-n-octyl phthalate	10000.00	500514	1.810	0.010	PASS
88	Perylene-d12	8000.00	229338			
89	Benzo(b)fluoranthene	9999.70	338365	1.180	0.700	PASS
90	Benzo(k)fluoranthene	10000.00	322727	1.126	0.700	PASS
91	Benzo(a)pyrene	10000.00	323551	1.129	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	10000.00	362635	1.265	0.500	PASS
93	Dibenz(a,h)anthracene	10000.00	288238	1.005	0.400	PASS
94	Benzo(g,h,i)perylene	10000.00	312457	1.090	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
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8270D MIN RF REPORT curve 1

Sample Name STD SVMS 200 ppb 11G20058
Data File Name 1105_03.D
Acquired 5 Nov 2011 12:31 pm

level **200** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	80751			
2	Pyridine	87.10	1259	0.624		
3	N-Nitrosodimethylamine	232.10	2018	1.000		
4	2-Fluorophenol	172.21	2190	1.085		
5	Aniline	176.86	3625	1.796		
6	bis(2-Chloroethyl)ether	208.60	3016	1.494	0.700	PASS
7	Phenol-d5	173.97	2568	1.272		
8	Phenol	184.93	3284	1.627	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	186.38	2608	1.292	0.800	PASS
11	n-Decane	200.95	1910	0.946		
12	1,3-Dichlorobenzene	199.66	3105	1.538		
13	1,4-Dichlorobenzene	210.10	3261	1.615		
14	Benzyl Alcohol	179.62	2173	1.076		
15	1,2-Dichlorobenzene	201.63	2974	1.473		
16	bis(2-Chloroisopropyl)ether	169.45	822	0.407	0.010	PASS
17	2-Methylphenol	177.87	2366	1.172	0.700	PASS
18	Hexachloroethane	199.93	1264	0.626	0.300	PASS
19	N-Nitrosodi-n-propylamine	176.04	1926	0.954	0.500	PASS
20	3&4-Methyl phenol	181.08	2557	1.267	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	317700			
23	Nitrobenzene-d5	167.09	2960	0.373		
24	Nitrobenzene	182.91	2925	0.368	0.200	PASS
25	Isophorone	171.64	5007	0.630	0.400	PASS
26	2-Nitrophenol	117.70	813	0.102	0.100	PASS
27	2,4-Dimethylphenol	177.18	2526	0.318	0.200	PASS
28	bis(2-Chlorethoxy)methane	189.61	3152	0.397	0.300	PASS
29	2,4-Dichlorophenol	167.55	1912	0.241	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	191.54	2423	0.305		
32	Naphthalene	202.24	8660	1.090	0.700	PASS
33	4-Chloroaniline	158.42	897	0.113	0.010	PASS
34	Hexachloro-1,3-butadiene	192.69	1437	0.181	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	167.27	2115	0.266	0.200	PASS
37	2-Methylnaphthalene	180.76	4967	0.625	0.400	PASS
38	1-Methylnaphthalene	194.79	5334	0.672		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	177469			
41	Hexachlorocyclopentadiene	131.29	922	0.208	0.050	PASS
42	2,4,6-Trichlorophenol	137.70	1159	0.261	0.200	PASS
43	2,4,5-Trichlorophenol	139.90	1234	0.278	0.200	PASS
44	2-Fluorobiphenyl	179.29	5474	1.234		
45	Biphenyl	175.58	6041	1.362	0.010	PASS
46	2-Chloronaphthalene	178.81	4596	1.036	0.800	PASS
47	2-Nitroaniline	163.35	1358	0.306	0.010	PASS
48	Acenaphthylene	177.94	7309	1.647	0.900	PASS
49	Dimethyl phthalate	178.63	5370	1.210	0.010	PASS
50	2,6-Dinitrotoluene	151.02	1011	0.228	0.200	PASS
51	3-Nitroaniline	153.63	1058	0.238	0.010	PASS

52	Acenaphthene	196.84	5278	1.190	0.900	PASS
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	FAIL
54	Dibenzofuran	194.11	6957	1.568	0.800	PASS
55	2,4-Dinitrotoluene	137.70	1208	0.272	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	51.23	244	0.055	0.010	PASS
58	Fluorene	187.73	5756	1.297	0.900	PASS
59	4-Chlorophenyl-phenylether	182.76	2520	0.568	0.400	PASS
60	Diethyl phthalate	177.81	5568	1.255	0.010	PASS
61	4-Nitroaniline	181.14	923	0.208	0.010	PASS
62	Azobenzene	169.65	5857	1.320		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	263774			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	FAIL
66	N-Nitrosodiphenylamine	183.29	4281	0.649	0.010	PASS
67	2,4,6-Tribromophenol	128.76	454	0.069		
68	4-Bromophenyl-phenylether	199.92	1492	0.226	0.100	PASS
69	Hexachlorobenzene	180.68	1537	0.233	0.100	PASS
70	n-octadecane	175.34	1012	0.153		
71	Pentachlorophenol	67.73	346	0.052	0.050	PASS
72	Phenanthrene	197.67	7719	1.171	0.700	PASS
73	Anthracene	178.95	7144	1.083	0.700	PASS
74	Carbazole	186.73	6746	1.023	0.010	PASS
75	Di-n-butyl phthalate	178.76	9513	1.443	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	181.27	7922	1.201	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	245086			
80	Pyrene	173.21	7574	1.236	0.600	PASS
81	p-Terphenyl-d14	178.40	4290	0.700		
82	Benzylbutyl phthalate	160.05	3580	0.584	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	189.93	7135	1.164	0.800	PASS
85	Chrysene	181.51	6454	1.053	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	153.78	5070	0.827	0.010	PASS
87	Di-n-octyl phthalate	142.60	7908	1.291	0.010	PASS
88	Perylene-d12	8000.00	250663			
89	Benzo(b)fluoranthene	169.40	6265	1.000	0.700	PASS
90	Benzo(k)fluoranthene	170.13	6001	0.958	0.700	PASS
91	Benzo(a)pyrene	168.11	5945	0.949	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	159.93	6339	1.012	0.500	PASS
93	Dibenz(a,h)anthracene	138.46	4362	0.696	0.400	PASS
94	Benzo(g,h,i)perylene	157.42	5376	0.858	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
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8270D MIN RF REPORT curve 1

Sample Name STD SVMS 1000 ppb 11G20058
Data File Name 1105_04.D
Acquired 5 Nov 2011 12:51 pm

level **1000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	70038			
2	Pyridine	840.48	10537	1.204		
3	N-Nitrosodimethylamine	995.60	7508	0.858		
4	2-Fluorophenol	964.73	10641	1.215		
5	Aniline	955.17	16980	1.940		
6	bis(2-Chloroethyl)ether	1048.25	13145	1.501	0.700	PASS
7	Phenol-d5	1060.56	13578	1.551		
8	Phenol	1040.29	16023	1.830	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	1068.28	12965	1.481	0.800	PASS
11	n-Decane	1060.89	8746	0.999		
12	1,3-Dichlorobenzene	1061.09	14312	1.635		
13	1,4-Dichlorobenzene	1056.29	14220	1.624		
14	Benzyl Alcohol	1000.12	10494	1.199		
15	1,2-Dichlorobenzene	1042.45	13336	1.523		
16	bis(2-Chloroisopropyl)ether	1000.61	4210	0.481	0.010	PASS
17	2-Methylphenol	1005.03	11595	1.324	0.700	PASS
18	Hexachloroethane	1050.06	5758	0.658	0.300	PASS
19	N-Nitrosodi-n-propylamine	1022.73	9705	1.109	0.500	PASS
20	3&4-Methyl phenol	1070.51	13111	1.498	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	266010			
23	Nitrobenzene-d5	1013.71	15036	0.452		
24	Nitrobenzene	1048.30	14036	0.422	0.200	PASS
25	Isophorone	1023.19	24992	0.752	0.400	PASS
26	2-Nitrophenol	898.73	5198	0.156	0.100	PASS
27	2,4-Dimethylphenol	1039.12	12404	0.373	0.200	PASS
28	bis(2-Chlorethoxy)methane	1104.96	15380	0.463	0.300	PASS
29	2,4-Dichlorophenol	1054.45	10075	0.303	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	1134.00	12011	0.361		
32	Naphthalene	1118.00	40084	1.205	0.700	PASS
33	4-Chloroaniline	1203.97	5708	0.172	0.010	PASS
34	Hexachloro-1,3-butadiene	1105.34	6902	0.208	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	1000.45	10592	0.319	0.200	PASS
37	2-Methylnaphthalene	1100.13	25312	0.761	0.400	PASS
38	1-Methylnaphthalene	1149.71	26360	0.793		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	150183			
41	Hexachlorocyclopentadiene	773.34	4596	0.245	0.050	PASS
42	2,4,6-Trichlorophenol	916.78	6530	0.348	0.200	PASS
43	2,4,5-Trichlorophenol	925.36	6907	0.368	0.200	PASS
44	2-Fluorobiphenyl	1017.42	26288	1.400		
45	Biphenyl	1030.77	30011	1.599	0.010	PASS
46	2-Chloronaphthalene	1114.81	24248	1.292	0.800	PASS
47	2-Nitroaniline	972.54	6842	0.364	0.010	PASS
48	Acenaphthylene	1061.78	36908	1.966	0.900	PASS
49	Dimethyl phthalate	1063.94	27067	1.442	0.010	PASS
50	2,6-Dinitrotoluene	1011.28	5729	0.305	0.200	PASS
51	3-Nitroaniline	1031.24	6010	0.320	0.010	PASS

52	Acenaphthene	1072.19	24329	1.296	0.900	PASS
53	2,4-Dinitrophenol	72.65	109	0.006	0.010	FAIL
54	Dibenzofuran	1086.01	32939	1.755	0.800	PASS
55	2,4-Dinitrotoluene	918.82	6821	0.363	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	700.39	2823	0.150	0.010	PASS
58	Fluorene	1062.18	27561	1.468	0.900	PASS
59	4-Chlorophenyl-phenylether	1063.04	12404	0.661	0.400	PASS
60	Diethyl phthalate	1049.83	27820	1.482	0.010	PASS
61	4-Nitroaniline	1316.53	5677	0.302	0.010	PASS
62	Azobenzene	996.21	29105	1.550		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	222957			
65	4,6-Dinitro-2-methylphenol	416.97	1213	0.044	0.010	PASS
66	N-Nitrosodiphenylamine	1140.93	22524	0.808	0.010	PASS
67	2,4,6-Tribromophenol	964.31	2874	0.103		
68	4-Bromophenyl-phenylether	1129.35	7124	0.256	0.100	PASS
69	Hexachlorobenzene	1144.99	8233	0.295	0.100	PASS
70	n-octadecane	1061.39	5178	0.186		
71	Pentachlorophenol	718.63	3103	0.111	0.050	PASS
72	Phenanthrene	1142.99	37726	1.354	0.700	PASS
73	Anthracene	1043.84	35223	1.264	0.700	PASS
74	Carbazole	1096.52	33484	1.201	0.010	PASS
75	Di-n-butyl phthalate	1048.14	47148	1.692	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	1041.10	38459	1.380	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	207116			
80	Pyrene	1077.79	39827	1.538	0.600	PASS
81	p-Terphenyl-d14	1050.10	21340	0.824		
82	Benzylbutyl phthalate	960.87	18163	0.702	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	1074.39	34109	1.317	0.800	PASS
85	Chrysene	1127.32	33875	1.308	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	978.84	27271	1.053	0.010	PASS
87	Di-n-octyl phthalate	923.75	43292	1.672	0.010	PASS
88	Perylene-d12	8000.00	218901			
89	Benzo(b)fluoranthene	1054.75	34066	1.245	0.700	PASS
90	Benzo(k)fluoranthene	1066.32	32847	1.200	0.700	PASS
91	Benzo(a)pyrene	1004.25	31014	1.133	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	976.85	33812	1.236	0.500	PASS
93	Dibenz(a,h)anthracene	942.42	25928	0.948	0.400	PASS
94	Benzo(g,h,i)perylene	975.50	29093	1.063	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 5000 ppb 11G20058
Data File Name 1105_05.D
Acquired 5 Nov 2011 1:11 pm

level **5000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	71908			
2	Pyridine	4751.77	61163	1.361		
3	N-Nitrosodimethylamine	4812.65	37262	0.829		
4	2-Fluorophenol	5052.42	57216	1.273		
5	Aniline	5001.80	91291	2.031		
6	bis(2-Chloroethyl)ether	5158.22	66411	1.478	0.700	PASS
7	Phenol-d5	5248.75	68992	1.535		
8	Phenol	4956.55	78381	1.744	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	5266.03	65617	1.460	0.800	PASS
11	n-Decane	4876.59	41276	0.918		
12	1,3-Dichlorobenzene	5238.89	72549	1.614		
13	1,4-Dichlorobenzene	5234.75	72353	1.610		
14	Benzyl Alcohol	5120.65	55164	1.227		
15	1,2-Dichlorobenzene	5165.94	67852	1.510		
16	bis(2-Chloroisopropyl)ether	5089.64	21986	0.489	0.010	PASS
17	2-Methylphenol	4965.65	58818	1.309	0.700	PASS
18	Hexachloroethane	5232.75	29460	0.656	0.300	PASS
19	N-Nitrosodi-n-propylamine	4982.32	48541	1.080	0.500	PASS
20	3&4-Methyl phenol	5088.49	63985	1.424	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	284046			
23	Nitrobenzene-d5	5057.33	80100	0.451		
24	Nitrobenzene	4966.03	71000	0.400	0.200	PASS
25	Isophorone	4931.96	128634	0.725	0.400	PASS
26	2-Nitrophenol	5057.59	31235	0.176	0.100	PASS
27	2,4-Dimethylphenol	4528.12	57717	0.325	0.200	PASS
28	bis(2-Chlorethoxy)methane	5168.88	76824	0.433	0.300	PASS
29	2,4-Dichlorophenol	4904.34	50037	0.282	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	5134.56	58071	0.327		
32	Naphthalene	5120.26	196025	1.104	0.700	PASS
33	4-Chloroaniline	4943.48	25026	0.141	0.010	PASS
34	Hexachloro-1,3-butadiene	5221.83	34817	0.196	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	4957.94	56050	0.316	0.200	PASS
37	2-Methylnaphthalene	4995.88	122740	0.691	0.400	PASS
38	1-Methylnaphthalene	5184.75	126933	0.715		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	151966			
41	Hexachlorocyclopentadiene	4351.46	26168	0.276	0.050	PASS
42	2,4,6-Trichlorophenol	5098.28	36745	0.387	0.200	PASS
43	2,4,5-Trichlorophenol	5157.58	38954	0.410	0.200	PASS
44	2-Fluorobiphenyl	5142.66	134453	1.416		
45	Biphenyl	5007.70	147531	1.553	0.010	PASS
46	2-Chloronaphthalene	5492.61	120887	1.273	0.800	PASS
47	2-Nitroaniline	5301.65	37741	0.397	0.010	PASS
48	Acenaphthylene	5024.52	176729	1.861	0.900	PASS
49	Dimethyl phthalate	5160.88	132853	1.399	0.010	PASS
50	2,6-Dinitrotoluene	5553.93	31837	0.335	0.200	PASS
51	3-Nitroaniline	4955.81	29225	0.308	0.010	PASS

52	Acenaphthene	5032.06	115538	1.216	0.900	PASS
53	2,4-Dinitrophenol	3788.55	5752	0.061	0.010	PASS
54	Dibenzofuran	5356.29	164386	1.731	0.800	PASS
55	2,4-Dinitrotoluene	5092.94	38257	0.403	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	4715.51	19232	0.202	0.010	PASS
58	Fluorene	5117.73	134369	1.415	0.900	PASS
59	4-Chlorophenyl-phenylether	5200.58	61403	0.646	0.400	PASS
60	Diethyl phthalate	5191.87	139216	1.466	0.010	PASS
61	4-Nitroaniline	5576.30	24331	0.256	0.010	PASS
62	Azobenzene	4951.57	146381	1.541		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	239243			
65	4,6-Dinitro-2-methylphenol	4499.05	14044	0.094	0.010	PASS
66	N-Nitrosodiphenylamine	5165.60	109427	0.732	0.010	PASS
67	2,4,6-Tribromophenol	5062.71	16191	0.108		
68	4-Bromophenyl-phenylether	5113.02	34609	0.231	0.100	PASS
69	Hexachlorobenzene	5235.17	40393	0.270	0.100	PASS
70	n-octadecane	4786.93	25059	0.168		
71	Pentachlorophenol	4544.26	21055	0.141	0.050	PASS
72	Phenanthrene	5430.27	192326	1.286	0.700	PASS
73	Anthracene	4882.47	176787	1.182	0.700	PASS
74	Carbazole	5277.55	172931	1.157	0.010	PASS
75	Di-n-butyl phthalate	4904.33	236724	1.583	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	5112.27	202645	1.355	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	217787			
80	Pyrene	5171.03	200928	1.476	0.600	PASS
81	p-Terphenyl-d14	5331.32	113924	0.837		
82	Benzylbutyl phthalate	5029.31	99966	0.734	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	5168.39	172536	1.268	0.800	PASS
85	Chrysene	5205.55	164481	1.208	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	5038.66	147613	1.084	0.010	PASS
87	Di-n-octyl phthalate	5023.09	247539	1.819	0.010	PASS
88	Perylene-d12	8000.00	227530			
89	Benzo(b)fluoranthene	5194.64	174388	1.226	0.700	PASS
90	Benzo(k)fluoranthene	5260.06	168418	1.184	0.700	PASS
91	Benzo(a)pyrene	5242.52	168285	1.183	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	5041.55	181383	1.275	0.500	PASS
93	Dibenz(a,h)anthracene	4939.47	141252	0.993	0.400	PASS
94	Benzo(g,h,i)perylene	4984.42	154514	1.087	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 20000 ppb 11G20058
Data File Name 1105_06.D
Acquired 5 Nov 2011 1:31 pm

level **20000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	73092			
2	Pyridine	20865.66	272997	1.494		
3	N-Nitrosodimethylamine	20203.81	159004	0.870		
4	2-Fluorophenol	20644.62	237639	1.300		
5	Aniline	20399.15	378448	2.071		
6	bis(2-Chloroethyl)ether	20910.89	273656	1.498	0.700	PASS
7	Phenol-d5	21555.90	288006	1.576		
8	Phenol	21154.11	340031	1.861	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	20337.54	257587	1.410	0.800	PASS
11	n-Decane	19555.24	168243	0.921		
12	1,3-Dichlorobenzene	20507.76	288671	1.580		
13	1,4-Dichlorobenzene	20512.96	288192	1.577		
14	Benzyl Alcohol	22290.29	244084	1.336		
15	1,2-Dichlorobenzene	19935.52	266154	1.457		
16	bis(2-Chloroisopropyl)ether	19943.59	87570	0.479	0.010	PASS
17	2-Methylphenol	20160.63	242734	1.328	0.700	PASS
18	Hexachloroethane	21443.49	122713	0.672	0.300	PASS
19	N-Nitrosodi-n-propylamine	20490.92	202923	1.111	0.500	PASS
20	3&4-Methyl phenol	20636.14	263761	1.443	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	293523			
23	Nitrobenzene-d5	20260.85	331606	0.452		
24	Nitrobenzene	20311.75	300089	0.409	0.200	PASS
25	Isophorone	19727.57	531696	0.725	0.400	PASS
26	2-Nitrophenol	20867.54	133175	0.181	0.100	PASS
27	2,4-Dimethylphenol	17467.01	230069	0.314	0.200	PASS
28	bis(2-Chlorethoxy)methane	20574.23	315993	0.431	0.300	PASS
29	2,4-Dichlorophenol	20385.27	214922	0.293	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	20842.87	243594	0.332		
32	Naphthalene	19616.68	776066	1.058	0.700	PASS
33	4-Chloroaniline	19348.03	101216	0.138	0.010	PASS
34	Hexachloro-1,3-butadiene	19981.72	137675	0.188	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	21056.40	245987	0.335	0.200	PASS
37	2-Methylnaphthalene	19637.03	498544	0.679	0.400	PASS
38	1-Methylnaphthalene	20067.30	507679	0.692		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	154026			
41	Hexachlorocyclopentadiene	19793.50	120644	0.313	0.050	PASS
42	2,4,6-Trichlorophenol	20974.87	153222	0.398	0.200	PASS
43	2,4,5-Trichlorophenol	21043.74	161093	0.418	0.200	PASS
44	2-Fluorobiphenyl	20118.88	533131	1.385		
45	Biphenyl	19821.29	591868	1.537	0.010	PASS
46	2-Chloronaphthalene	21016.88	468831	1.218	0.800	PASS
47	2-Nitroaniline	21836.74	157557	0.409	0.010	PASS
48	Acenaphthylene	20517.46	731449	1.900	0.900	PASS
49	Dimethyl phthalate	21036.03	548857	1.425	0.010	PASS
50	2,6-Dinitrotoluene	21476.11	124777	0.324	0.200	PASS
51	3-Nitroaniline	20332.74	121530	0.316	0.010	PASS

52	Acenaphthene	19441.36	452432	1.175	0.900	PASS
53	2,4-Dinitrophenol	31290.42	48151	0.125	0.010	PASS
54	Dibenzofuran	20366.76	633534	1.645	0.800	PASS
55	2,4-Dinitrotoluene	21722.99	165390	0.430	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	22757.57	94074	0.244	0.010	PASS
58	Fluorene	19732.43	525110	1.364	0.900	PASS
59	4-Chlorophenyl-phenylether	19840.47	237431	0.617	0.400	PASS
60	Diethyl phthalate	20384.39	554001	1.439	0.010	PASS
61	4-Nitroaniline	21570.70	95395	0.248	0.010	PASS
62	Azobenzene	20150.68	603781	1.568		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	256579			
65	4,6-Dinitro-2-methylphenol	23577.41	78931	0.123	0.010	PASS
66	N-Nitrosodiphenylamine	19007.34	431824	0.673	0.010	PASS
67	2,4,6-Tribromophenol	21502.83	73751	0.115		
68	4-Bromophenyl-phenylether	20117.82	146041	0.228	0.100	PASS
69	Hexachlorobenzene	18972.31	156992	0.245	0.100	PASS
70	n-octadecane	18213.60	102255	0.159		
71	Pentachlorophenol	20906.39	103885	0.162	0.050	PASS
72	Phenanthrene	19951.18	757822	1.181	0.700	PASS
73	Anthracene	18807.29	730330	1.139	0.700	PASS
74	Carbazole	19841.30	697256	1.087	0.010	PASS
75	Di-n-butyl phthalate	19259.02	996963	1.554	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	19454.03	827015	1.289	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	228379			
80	Pyrene	20359.67	829580	1.453	0.600	PASS
81	p-Terphenyl-d14	21130.99	473505	0.829		
82	Benzylbutyl phthalate	20224.62	421549	0.738	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	20357.54	712646	1.248	0.800	PASS
85	Chrysene	20030.07	663676	1.162	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	20022.94	615122	1.077	0.010	PASS
87	Di-n-octyl phthalate	20695.52	1069482	1.873	0.010	PASS
88	Perylene-d12	8000.00	227705			
89	Benzo(b)fluoranthene	21712.01	729449	1.281	0.700	PASS
90	Benzo(k)fluoranthene	21181.13	678705	1.192	0.700	PASS
91	Benzo(a)pyrene	21656.97	695724	1.222	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	21575.22	776822	1.365	0.500	PASS
93	Dibenz(a,h)anthracene	21916.23	627211	1.102	0.400	PASS
94	Benzo(g,h,i)perylene	20989.12	651150	1.144	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 30000 ppb 11G20058
Data File Name 1105_07.D
Acquired 5 Nov 2011 1:51 pm

level **30000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	74889			
2	Pyridine	30906.92	414314	1.475		
3	N-Nitrosodimethylamine	29905.29	241141	0.859		
4	2-Fluorophenol	31025.93	365918	1.303		
5	Aniline	31242.47	593865	2.115		
6	bis(2-Chloroethyl)ether	28990.46	388719	1.384	0.700	PASS
7	Phenol-d5	31338.61	429006	1.528		
8	Phenol	30498.49	502285	1.789	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	30248.64	392536	1.398	0.800	PASS
11	n-Decane	26693.16	235300	0.838		
12	1,3-Dichlorobenzene	29735.65	428855	1.527		
13	1,4-Dichlorobenzene	30415.77	437825	1.559		
14	Benzyl Alcohol	31778.99	356543	1.270		
15	1,2-Dichlorobenzene	28744.83	393200	1.400		
16	bis(2-Chloroisopropyl)ether	29246.68	131576	0.469	0.010	PASS
17	2-Methylphenol	28497.22	351542	1.252	0.700	PASS
18	Hexachloroethane	30558.47	179174	0.638	0.300	PASS
19	N-Nitrosodi-n-propylamine	29427.07	298583	1.063	0.500	PASS
20	3&4-Methyl phenol	30715.24	402239	1.432	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	288287			
23	Nitrobenzene-d5	30586.36	491672	0.455		
24	Nitrobenzene	30243.46	438851	0.406	0.200	PASS
25	Isophorone	29580.32	783025	0.724	0.400	PASS
26	2-Nitrophenol	32303.52	202481	0.187	0.100	PASS
27	2,4-Dimethylphenol	27688.97	358203	0.331	0.200	PASS
28	bis(2-Chlorethoxy)methane	30881.09	465832	0.431	0.300	PASS
29	2,4-Dichlorophenol	31022.03	321231	0.297	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	29757.68	341579	0.316		
32	Naphthalene	30173.68	1172423	1.084	0.700	PASS
33	4-Chloroaniline	30282.90	155594	0.144	0.010	PASS
34	Hexachloro-1,3-butadiene	30475.66	206233	0.191	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	30927.24	354856	0.328	0.200	PASS
37	2-Methylnaphthalene	29677.67	740015	0.685	0.400	PASS
38	1-Methylnaphthalene	30404.52	755477	0.699		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	159960			
41	Hexachlorocyclopentadiene	29074.15	184038	0.307	0.050	PASS
42	2,4,6-Trichlorophenol	30212.90	229209	0.382	0.200	PASS
43	2,4,5-Trichlorophenol	30985.51	246337	0.411	0.200	PASS
44	2-Fluorobiphenyl	28586.07	786687	1.311		
45	Biphenyl	28581.47	886329	1.478	0.010	PASS
46	2-Chloronaphthalene	30317.17	702351	1.171	0.800	PASS
47	2-Nitroaniline	31447.86	235645	0.393	0.010	PASS
48	Acenaphthylene	29354.44	1086805	1.812	0.900	PASS
49	Dimethyl phthalate	30689.09	831566	1.386	0.010	PASS
50	2,6-Dinitrotoluene	31014.23	187136	0.312	0.200	PASS
51	3-Nitroaniline	29257.18	181609	0.303	0.010	PASS

52	Acenaphthene	29080.38	702820	1.172	0.900	PASS
53	2,4-Dinitrophenol	52341.90	83649	0.139	0.010	PASS
54	Dibenzofuran	29448.49	951324	1.586	0.800	PASS
55	2,4-Dinitrotoluene	31320.94	247652	0.413	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	33509.42	143856	0.240	0.010	PASS
58	Fluorene	28667.26	792270	1.321	0.900	PASS
59	4-Chlorophenyl-phenylether	29813.95	370529	0.618	0.400	PASS
60	Diethyl phthalate	29696.94	838189	1.397	0.010	PASS
61	4-Nitroaniline	30754.14	141248	0.235	0.010	PASS
62	Azobenzene	28741.03	894354	1.491		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	270945			
65	4,6-Dinitro-2-methylphenol	35213.48	124486	0.123	0.010	PASS
66	N-Nitrosodiphenylamine	26669.30	639819	0.630	0.010	PASS
67	2,4,6-Tribromophenol	30904.79	111933	0.110		
68	4-Bromophenyl-phenylether	29150.63	223461	0.220	0.100	PASS
69	Hexachlorobenzene	27247.10	238088	0.234	0.100	PASS
70	n-octadecane	24685.11	146347	0.144		
71	Pentachlorophenol	30826.47	161755	0.159	0.050	PASS
72	Phenanthrene	28208.69	1131466	1.114	0.700	PASS
73	Anthracene	27483.72	1127012	1.109	0.700	PASS
74	Carbazole	27567.22	1022999	1.007	0.010	PASS
75	Di-n-butyl phthalate	26915.37	1471313	1.448	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	27343.44	1227487	1.208	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	233916			
80	Pyrene	29859.46	1246158	1.421	0.600	PASS
81	p-Terphenyl-d14	30911.55	709462	0.809		
82	Benzylbutyl phthalate	30694.23	655282	0.747	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	30355.45	1088401	1.241	0.800	PASS
85	Chrysene	30105.72	1021707	1.165	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	29941.75	942138	1.074	0.010	PASS
87	Di-n-octyl phthalate	30690.23	1624430	1.852	0.010	PASS
88	Perylene-d12	8000.00	233310			
89	Benzo(b)fluoranthene	31759.40	1093271	1.250	0.700	PASS
90	Benzo(k)fluoranthene	31897.64	1047252	1.197	0.700	PASS
91	Benzo(a)pyrene	32104.11	1056722	1.208	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	31433.01	1159613	1.325	0.500	PASS
93	Dibenz(a,h)anthracene	31994.02	938161	1.072	0.400	PASS
94	Benzo(g,h,i)perylene	30141.20	958094	1.095	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 40000 ppb 11G20058
Data File Name 1105_08.D
Acquired 5 Nov 2011 2:11 pm

level **40000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	67796			
2	Pyridine	40413.45	490440	1.447		
3	N-Nitrosodimethylamine	40723.76	297274	0.877		
4	2-Fluorophenol	41479.00	442867	1.306		
5	Aniline	44454.30	764966	2.257		
6	bis(2-Chloroethyl)ether	36634.62	444691	1.312	0.700	PASS
7	Phenol-d5	42925.55	531968	1.569		
8	Phenol	41207.43	614375	1.812	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	40749.81	478724	1.412	0.800	PASS
11	n-Decane	34604.35	276146	0.815		
12	1,3-Dichlorobenzene	40257.14	525608	1.551		
13	1,4-Dichlorobenzene	39916.51	520164	1.534		
14	Benzyl Alcohol	43574.06	442574	1.306		
15	1,2-Dichlorobenzene	39349.06	487275	1.437		
16	bis(2-Chloroisopropyl)ether	38865.77	158290	0.467	0.010	PASS
17	2-Methylphenol	38911.51	434549	1.282	0.700	PASS
18	Hexachloroethane	41856.59	222174	0.655	0.300	PASS
19	N-Nitrosodi-n-propylamine	40555.00	372519	1.099	0.500	PASS
20	3&4-Methyl phenol	41732.79	494759	1.460	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	276073			
23	Nitrobenzene-d5	39657.58	610482	0.442		
24	Nitrobenzene	39189.52	544571	0.395	0.200	PASS
25	Isophorone	39912.18	1011759	0.733	0.400	PASS
26	2-Nitrophenol	41532.09	249297	0.181	0.100	PASS
27	2,4-Dimethylphenol	37144.07	460162	0.333	0.200	PASS
28	bis(2-Chlorethoxy)methane	41118.33	593979	0.430	0.300	PASS
29	2,4-Dichlorophenol	40208.47	398716	0.289	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	39747.88	436923	0.317		
32	Naphthalene	38451.27	1430756	1.037	0.700	PASS
33	4-Chloroaniline	37501.14	184518	0.134	0.010	PASS
34	Hexachloro-1,3-butadiene	39638.26	256873	0.186	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	41916.48	460569	0.334	0.200	PASS
37	2-Methylnaphthalene	38509.77	919561	0.666	0.400	PASS
38	1-Methylnaphthalene	39020.51	928485	0.673		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	147498			
41	Hexachlorocyclopentadiene	40857.80	238479	0.323	0.050	PASS
42	2,4,6-Trichlorophenol	40654.44	284395	0.386	0.200	PASS
43	2,4,5-Trichlorophenol	40685.85	298256	0.404	0.200	PASS
44	2-Fluorobiphenyl	37817.23	959648	1.301		
45	Biphenyl	37600.92	1075186	1.458	0.010	PASS
46	2-Chloronaphthalene	39356.20	840724	1.140	0.800	PASS
47	2-Nitroaniline	43069.72	297587	0.404	0.010	PASS
48	Acenaphthylene	38716.97	1321764	1.792	0.900	PASS
49	Dimethyl phthalate	39797.33	994355	1.348	0.010	PASS
50	2,6-Dinitrotoluene	41082.93	228577	0.310	0.200	PASS
51	3-Nitroaniline	38840.72	222314	0.301	0.010	PASS

52	Acenaphthene	37335.18	832026	1.128	0.900	PASS
53	2,4-Dinitrophenol	73821.53	108785	0.148	0.010	PASS
54	Dibenzofuran	39255.52	1169340	1.586	0.800	PASS
55	2,4-Dinitrotoluene	42278.66	308250	0.418	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	46358.93	183514	0.249	0.010	PASS
58	Fluorene	38149.23	972182	1.318	0.900	PASS
59	4-Chlorophenyl-phenylether	40016.10	458577	0.622	0.400	PASS
60	Diethyl phthalate	39469.68	1027232	1.393	0.010	PASS
61	4-Nitroaniline	41880.52	177364	0.240	0.010	PASS
62	Azobenzene	39333.17	1128602	1.530		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	245581			
65	4,6-Dinitro-2-methylphenol	49152.04	157495	0.128	0.010	PASS
66	N-Nitrosodiphenylamine	37760.57	821103	0.669	0.010	PASS
67	2,4,6-Tribromophenol	43054.55	141340	0.115		
68	4-Bromophenyl-phenylether	38965.35	270736	0.220	0.100	PASS
69	Hexachlorobenzene	37774.38	299177	0.244	0.100	PASS
70	n-octadecane	32573.36	175035	0.143		
71	Pentachlorophenol	42988.92	204458	0.167	0.050	PASS
72	Phenanthrene	38794.35	1410395	1.149	0.700	PASS
73	Anthracene	36432.12	1354101	1.103	0.700	PASS
74	Carbazole	38804.83	1305214	1.063	0.010	PASS
75	Di-n-butyl phthalate	34766.18	1722564	1.403	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	37869.78	1540885	1.255	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	219457			
80	Pyrene	40603.21	1589795	1.449	0.600	PASS
81	p-Terphenyl-d14	41928.05	902823	0.823		
82	Benzylbutyl phthalate	39719.20	795539	0.725	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	41187.56	1385504	1.263	0.800	PASS
85	Chrysene	40431.42	1287318	1.173	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	39512.57	1166439	1.063	0.010	PASS
87	Di-n-octyl phthalate	40747.00	2023420	1.844	0.010	PASS
88	Perylene-d12	8000.00	218940			
89	Benzo(b)fluoranthene	43525.47	1406018	1.284	0.700	PASS
90	Benzo(k)fluoranthene	43404.72	1337277	1.222	0.700	PASS
91	Benzo(a)pyrene	43301.43	1337501	1.222	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	41425.02	1434107	1.310	0.500	PASS
93	Dibenz(a,h)anthracene	42037.65	1156748	1.057	0.400	PASS
94	Benzo(g,h,i)perylene	38695.37	1154246	1.054	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 1

Sample Name STD SVMS 50000 ppb 11G20058
Data File Name 1105_09.D
Acquired 5 Nov 2011 2:30 pm

level **50000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	69412			
2	Pyridine	51676.60	642073	1.480		
3	N-Nitrosodimethylamine	50043.71	374015	0.862		
4	2-Fluorophenol	51733.57	565520	1.304		
5	Aniline	55838.68	983771	2.268		
6	bis(2-Chloroethyl)ether	42129.54	523581	1.207	0.700	PASS
7	Phenol-d5	52185.32	662138	1.526		
8	Phenol	49627.62	757551	1.746	0.800	PASS
9	Benzaldehyde	0.00	0	0.000	0.010	
10	2-Chlorophenol	49261.35	592511	1.366	0.800	PASS
11	n-Decane	41858.39	341996	0.788		
12	1,3-Dichlorobenzene	49658.80	663813	1.530		
13	1,4-Dichlorobenzene	48427.53	646116	1.489		
14	Benzyl Alcohol	51970.67	540439	1.246		
15	1,2-Dichlorobenzene	46267.76	586609	1.352		
16	bis(2-Chloroisopropyl)ether	47002.34	195991	0.452	0.010	PASS
17	2-Methylphenol	48547.13	555079	1.279	0.700	PASS
18	Hexachloroethane	51292.08	278747	0.643	0.300	PASS
19	N-Nitrosodi-n-propylamine	50694.70	476757	1.099	0.500	PASS
20	3&4-Methyl phenol	50709.38	615510	1.419	0.600	PASS
21	Acetophenone	0.00	0	0.000	0.010	
22	Naphthalene-d8	8000.00	273333			
23	Nitrobenzene-d5	49817.84	759276	0.444		
24	Nitrobenzene	49559.54	681836	0.399	0.200	PASS
25	Isophorone	49340.99	1238362	0.725	0.400	PASS
26	2-Nitrophenol	52409.07	311464	0.182	0.100	PASS
27	2,4-Dimethylphenol	45847.67	562350	0.329	0.200	PASS
28	bis(2-Chlorethoxy)methane	50105.06	716614	0.419	0.300	PASS
29	2,4-Dichlorophenol	49761.54	488549	0.286	0.200	PASS
30	Benzoic Acid	0.00	0	0.000		
31	1,2,4-Trichlorobenzene	50927.29	554255	0.324		
32	Naphthalene	45288.98	1668459	0.977	0.700	PASS
33	4-Chloroaniline	47546.37	231622	0.136	0.010	PASS
34	Hexachloro-1,3-butadiene	50659.80	325039	0.190	0.010	PASS
35	Caprolactam	0.00	0	0.000	0.010	
36	4-Chloro-3-methylphenol	49962.47	543528	0.318	0.200	PASS
37	2-Methylnaphthalene	47951.82	1133660	0.664	0.400	PASS
38	1-Methylnaphthalene	45677.35	1076096	0.630		
39	1,2,4,5-Tetrachlorobenzene	0.00	0	0.000	0.010	
40	Acenaphthene-d10	8000.00	147912			
41	Hexachlorocyclopentadiene	51887.29	303706	0.329	0.050	PASS
42	2,4,6-Trichlorophenol	50596.31	354936	0.384	0.200	PASS
43	2,4,5-Trichlorophenol	47898.72	352117	0.381	0.200	PASS
44	2-Fluorobiphenyl	46244.43	1176790	1.273		
45	Biphenyl	46809.81	1342268	1.452	0.010	PASS
46	2-Chloronaphthalene	46834.32	1003279	1.085	0.800	PASS
47	2-Nitroaniline	53433.64	370232	0.400	0.010	PASS
48	Acenaphthylene	48049.59	1644976	1.779	0.900	PASS
49	Dimethyl phthalate	51973.70	1302232	1.409	0.010	PASS
50	2,6-Dinitrotoluene	49811.89	277921	0.301	0.200	PASS
51	3-Nitroaniline	48520.49	278498	0.301	0.010	PASS

52	Acenaphthene	43632.36	975090	1.055	0.900	PASS
53	2,4-Dinitrophenol	94528.34	139690	0.151	0.010	PASS
54	Dibenzofuran	49324.80	1473407	1.594	0.800	PASS
55	2,4-Dinitrotoluene	52178.69	381498	0.413	0.200	PASS
56	2,3,4,6-Tetrachlorophenol	0.00	0	0.000	0.010	
57	4-Nitrophenol	58696.25	233004	0.252	0.010	PASS
58	Fluorene	46830.81	1196770	1.295	0.900	PASS
59	4-Chlorophenyl-phenylether	48315.10	555236	0.601	0.400	PASS
60	Diethyl phthalate	48138.92	1256373	1.359	0.010	PASS
61	4-Nitroaniline	52115.58	221329	0.239	0.010	PASS
62	Azobenzene	48543.53	1396788	1.511		
63	Atrazine	0.00	0	0.000	0.010	
64	Phenanthrene-d10	8000.00	248209			
65	4,6-Dinitro-2-methylphenol	65590.87	212418	0.137	0.010	PASS
66	N-Nitrosodiphenylamine	47554.06	1045128	0.674	0.010	PASS
67	2,4,6-Tribromophenol	53404.50	177193	0.114		
68	4-Bromophenyl-phenylether	48869.80	343187	0.221	0.100	PASS
69	Hexachlorobenzene	46167.59	369565	0.238	0.100	PASS
70	n-octadecane	40117.72	217882	0.140		
71	Pentachlorophenol	55259.48	265630	0.171	0.050	PASS
72	Phenanthrene	47723.53	1753588	1.130	0.700	PASS
73	Anthracene	44428.70	1668987	1.076	0.700	PASS
74	Carbazole	46215.47	1571108	1.013	0.010	PASS
75	Di-n-butyl phthalate	44110.38	2208930	1.424	0.010	PASS
76	2-nitrodiphenylamine	0.00	0	0.000		
77	Fluoranthene	47521.74	1954306	1.260	0.600	PASS
78	Benzidine	0.00	0	0.000		
79	Chrysene-d12	8000.00	221448			
80	Pyrene	50291.09	1986983	1.436	0.600	PASS
81	p-Terphenyl-d14	51411.90	1117079	0.807		
82	Benzylbutyl phthalate	49237.31	995125	0.719	0.010	PASS
83	3,3-Dichlorobenzidine	0.00	0	0.000	0.010	
84	Benzo(a)anthracene	51654.63	1753369	1.267	0.800	PASS
85	Chrysene	50949.40	1636923	1.183	0.700	PASS
86	bis(2-Ethylhexyl)phthalate	48252.83	1437381	1.039	0.010	PASS
87	Di-n-octyl phthalate	50893.67	2550213	1.843	0.010	PASS
88	Perylene-d12	8000.00	223526			
89	Benzo(b)fluoranthene	55429.18	1828053	1.309	0.700	PASS
90	Benzo(k)fluoranthene	52973.17	1666262	1.193	0.700	PASS
91	Benzo(a)pyrene	54556.47	1720446	1.231	0.700	PASS
92	Indeno(1,2,3-cd)pyrene	48715.88	1721838	1.232	0.500	PASS
93	Dibenz(a,h)anthracene	50218.11	1410794	1.010	0.400	PASS
94	Benzo(g,h,i)perylene	44598.20	1358187	0.972	0.500	PASS

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 10000 ppb 11G20059
Data File Name 1105_10.D
Acquired 5 Nov 2011 2:50 pm

level **10000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	75616			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	10000.00	103668	1.097	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	10000.00	168607	1.784	0.010	PASS
22	Naphthalene-d8	8000.00	291891			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	39050	0.107		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	10000.00	39439	0.108	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	10000.00	110677	0.303	0.010	PASS
40	Acenaphthene-d10	8000.00	161077			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	10000.00	50630	0.251	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	10000.00	78363	0.389	0.010	PASS
64	Phenanthrene-d10	8000.00	262344			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	10000.00	97482	0.297		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	10000.00	228802	0.698		
79	Chrysene-d12	8000.00	234993			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	10000.00	113861	0.388	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	241275			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 1000 ppb 11G20059
Data File Name 1105_11.D
Acquired 5 Nov 2011 3:10 pm

level **1000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	78470			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	991.26	10664	1.087	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	1037.66	18156	1.851	0.010	PASS
22	Naphthalene-d8	8000.00	296000			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	233	0.006		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	856.62	3426	0.093	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	1051.19	11798	0.319	0.010	PASS
40	Acenaphthene-d10	8000.00	164799			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	809.07	4191	0.203	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	961.79	7711	0.374	0.010	PASS
64	Phenanthrene-d10	8000.00	244410			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	838.82	7618	0.249		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	866.64	19423	0.636		
79	Chrysene-d12	8000.00	230184			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	1076.20	12003	0.417	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	233147			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 5000 ppb 11G20059
Data File Name 1105_12.D
Acquired 5 Nov 2011 3:30 pm

level **5000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	71769			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	5188.74	51054	1.138	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	5038.15	80625	1.797	0.010	PASS
22	Naphthalene-d8	8000.00	279580			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	11176	0.064		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	4752.80	17954	0.103	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	4850.91	51424	0.294	0.010	PASS
40	Acenaphthene-d10	8000.00	148040			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	4705.56	21896	0.237	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	5162.55	37181	0.402	0.010	PASS
64	Phenanthrene-d10	8000.00	227347			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	5071.51	42843	0.302		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	4565.34	93546	0.658		
79	Chrysene-d12	8000.00	210449			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	5080.48	51805	0.394	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	209150			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
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8270D MIN RF REPORT curve 2

Sample Name STD TCL 20000 ppb 11G20059
Data File Name 1105_13.D
Acquired 5 Nov 2011 3:50 pm

level **20000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	72929			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	20107.18	201040	1.103	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	20877.09	339494	1.862	0.010	PASS
22	Naphthalene-d8	8000.00	288456			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	114729	0.159		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	19497.94	75993	0.105	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	18938.87	207143	0.287	0.010	PASS
40	Acenaphthene-d10	8000.00	162056			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	20302.64	103417	0.255	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	18903.52	149034	0.368	0.010	PASS
64	Phenanthrene-d10	8000.00	243992			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	21855.83	198151	0.325		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	20964.36	453325	0.743		
79	Chrysene-d12	8000.00	222087			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	20908.18	224988	0.405	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	224616			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 30000 ppb 11G20059
Data File Name 1105_14.D
Acquired 5 Nov 2011 4:09 pm

level **30000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	71298			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	28951.86	282999	1.058	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	29483.93	468732	1.753	0.010	PASS
22	Naphthalene-d8	8000.00	273968			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	194991	0.190		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	29693.39	109917	0.107	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	29845.18	310035	0.302	0.010	PASS
40	Acenaphthene-d10	8000.00	155770			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	31033.52	151946	0.260	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	27870.64	211207	0.362	0.010	PASS
64	Phenanthrene-d10	8000.00	234619			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	33424.55	291395	0.331		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	30395.28	647507	0.736		
79	Chrysene-d12	8000.00	218793			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	31719.35	336262	0.410	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	221934			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

Sample Name STD TCL 40000 ppb 11G20059
Data File Name 1105_15.D
Acquired 5 Nov 2011 4:29 pm

level **40000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	74329			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	36817.76	375186	1.010	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	40650.24	673726	1.813	0.010	PASS
22	Naphthalene-d8	8000.00	286875			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	306064	0.213		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	40511.84	157029	0.109	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	38292.23	416524	0.290	0.010	PASS
40	Acenaphthene-d10	8000.00	160551			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	44359.95	223861	0.279	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	38151.33	297989	0.371	0.010	PASS
64	Phenanthrene-d10	8000.00	248360			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	44295.97	408789	0.329		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	39328.41	862281	0.694		
79	Chrysene-d12	8000.00	225184			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	43067.41	469901	0.417	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	228882			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation

8270D MIN RF REPORT curve 2

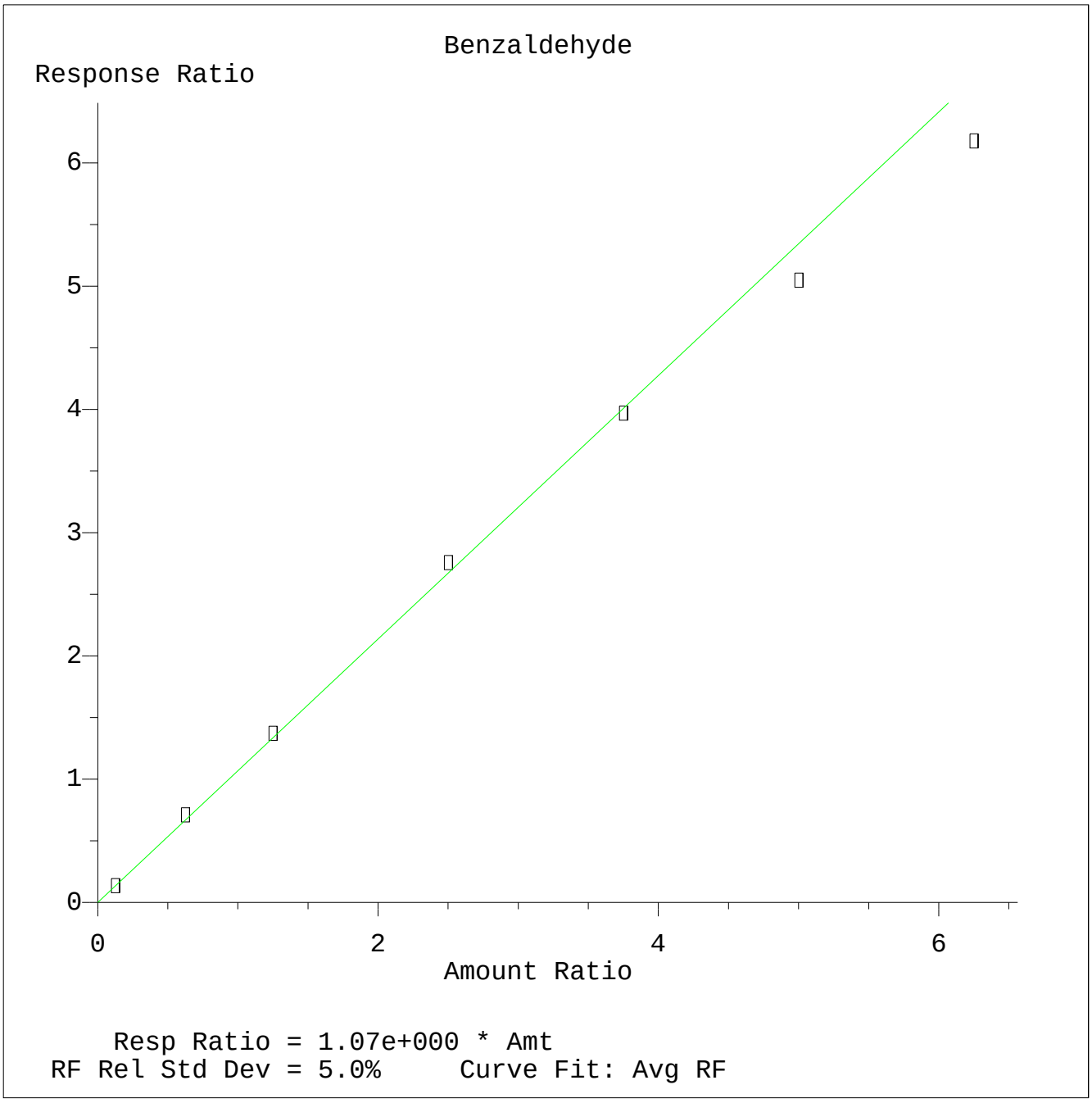
Sample Name STD TCL 50000 ppb 11G20059
Data File Name 1105_16.D
Acquired 5 Nov 2011 4:49 pm

level **50000** ppb

	Name	amount	area	actual rf	min rf	FLAG
1	1,4-Dichlorobenzene-d4	8000.00	69057			
2	Pyridine	0.00	0	0.000		
3	N-Nitrosodimethylamine	0.00	0	0.000		
4	2-Fluorophenol	0.00	0	0.000		
5	Aniline	0.00	0	0.000		
6	bis(2-Chloroethyl)ether	0.00	0	0.000	0.700	
7	Phenol-d5	0.00	0	0.000		
8	Phenol	0.00	0	0.000	0.800	
9	Benzaldehyde	45052.93	426542	0.988	0.010	PASS
10	2-Chlorophenol	0.00	0	0.000	0.800	
11	n-Decane	0.00	0	0.000		
12	1,3-Dichlorobenzene	0.00	0	0.000		
13	1,4-Dichlorobenzene	0.00	0	0.000		
14	Benzyl Alcohol	0.00	0	0.000		
15	1,2-Dichlorobenzene	0.00	0	0.000		
16	bis(2-Chloroisopropyl)ether	0.00	0	0.000	0.010	
17	2-Methylphenol	0.00	0	0.000	0.700	
18	Hexachloroethane	0.00	0	0.000	0.300	
19	N-Nitrosodi-n-propylamine	0.00	0	0.000	0.500	
20	3&4-Methyl phenol	0.00	0	0.000	1.200	
21	Acetophenone	48780.09	751125	1.740	0.010	PASS
22	Naphthalene-d8	8000.00	262010			
23	Nitrobenzene-d5	0.00	0	0.000		
24	Nitrobenzene	0.00	0	0.000	0.200	
25	Isophorone	0.00	0	0.000	0.400	
26	2-Nitrophenol	0.00	0	0.000	0.100	
27	2,4-Dimethylphenol	0.00	0	0.000	0.200	
28	bis(2-Chlorethoxy)methane	0.00	0	0.000	0.300	
29	2,4-Dichlorophenol	0.00	0	0.000	0.200	
30	Benzoic Acid	0.00	345942	0.211		
31	1,2,4-Trichlorobenzene	0.00	0	0.000		
32	Naphthalene	0.00	0	0.000	0.700	
33	4-Chloroaniline	0.00	0	0.000	0.010	
34	Hexachloro-1,3-butadiene	0.00	0	0.000	0.010	
35	Caprolactam	50940.62	180338	0.110	0.010	PASS
36	4-Chloro-3-methylphenol	0.00	0	0.000	0.200	
37	2-Methylnaphthalene	0.00	0	0.000	0.400	
38	1-Methylnaphthalene	0.00	0	0.000		
39	1,2,4,5-Tetrachlorobenzene	45482.02	451850	0.276	0.010	PASS
40	Acenaphthene-d10	8000.00	145369			
41	Hexachlorocyclopentadiene	0.00	0	0.000	0.050	
42	2,4,6-Trichlorophenol	0.00	0	0.000	0.200	
43	2,4,5-Trichlorophenol	0.00	0	0.000	0.200	
44	2-Fluorobiphenyl	0.00	0	0.000		
45	Biphenyl	0.00	0	0.000	0.010	
46	2-Chloronaphthalene	0.00	0	0.000	0.800	
47	2-Nitroaniline	0.00	0	0.000	0.010	
48	Acenaphthylene	0.00	0	0.000	0.900	
49	Dimethyl phthalate	0.00	0	0.000	0.010	
50	2,6-Dinitrotoluene	0.00	0	0.000	0.200	
51	3-Nitroaniline	0.00	0	0.000	0.010	

52	Acenaphthene	0.00	0	0.000	0.900	
53	2,4-Dinitrophenol	0.00	0	0.000	0.010	
54	Dibenzofuran	0.00	0	0.000	0.800	
55	2,4-Dinitrotoluene	0.00	0	0.000	0.200	
56	2,3,4,6-Tetrachlorophenol	54788.70	250344	0.276	0.010	PASS
57	4-Nitrophenol	0.00	0	0.000	0.010	
58	Fluorene	0.00	0	0.000	0.900	
59	4-Chlorophenyl-phenylether	0.00	0	0.000	0.400	
60	Diethyl phthalate	0.00	0	0.000	0.010	
61	4-Nitroaniline	0.00	0	0.000	0.010	
62	Azobenzene	0.00	0	0.000		
63	Atrazine	48120.68	340315	0.375	0.010	PASS
64	Phenanthrene-d10	8000.00	226300			
65	4,6-Dinitro-2-methylphenol	0.00	0	0.000	0.010	
66	N-Nitrosodiphenylamine	0.00	0	0.000	0.010	
67	2,4,6-Tribromophenol	0.00	0	0.000		
68	4-Bromophenyl-phenylether	0.00	0	0.000	0.100	
69	Hexachlorobenzene	0.00	0	0.000	0.100	
70	n-octadecane	0.00	0	0.000		
71	Pentachlorophenol	0.00	0	0.000	0.050	
72	Phenanthrene	0.00	0	0.000	0.700	
73	Anthracene	0.00	0	0.000	0.700	
74	Carbazole	0.00	0	0.000	0.010	
75	Di-n-butyl phthalate	0.00	0	0.000	0.010	
76	2-nitrodiphenylamine	55057.07	462968	0.327		
77	Fluoranthene	0.00	0	0.000	0.600	
78	Benzidine	49804.11	994115	0.703		
79	Chrysene-d12	8000.00	205006			
80	Pyrene	0.00	0	0.000	0.600	
81	p-Terphenyl-d14	0.00	0	0.000		
82	Benzylbutyl phthalate	0.00	0	0.000	0.010	
83	3,3-Dichlorobenzidine	52831.22	524780	0.410	0.010	PASS
84	Benzo(a)anthracene	0.00	0	0.000	0.800	
85	Chrysene	0.00	0	0.000	0.700	
86	bis(2-Ethylhexyl)phthalate	0.00	0	0.000	0.010	
87	Di-n-octyl phthalate	0.00	0	0.000	0.010	
88	Perylene-d12	8000.00	214149			
89	Benzo(b)fluoranthene	0.00	0	0.000	0.700	
90	Benzo(k)fluoranthene	0.00	0	0.000	0.700	
91	Benzo(a)pyrene	0.00	0	0.000	0.700	
92	Indeno(1,2,3-cd)pyrene	0.00	0	0.000	0.500	
93	Dibenz(a,h)anthracene	0.00	0	0.000	0.400	
94	Benzo(g,h,i)perylene	0.00	0	0.000	0.500	

*currently using quantitation ion that differs from that in method 8270D
**isomers cannot be separated, using 2xRF listed in 8270D
***using a different IS for RF than for quantitation



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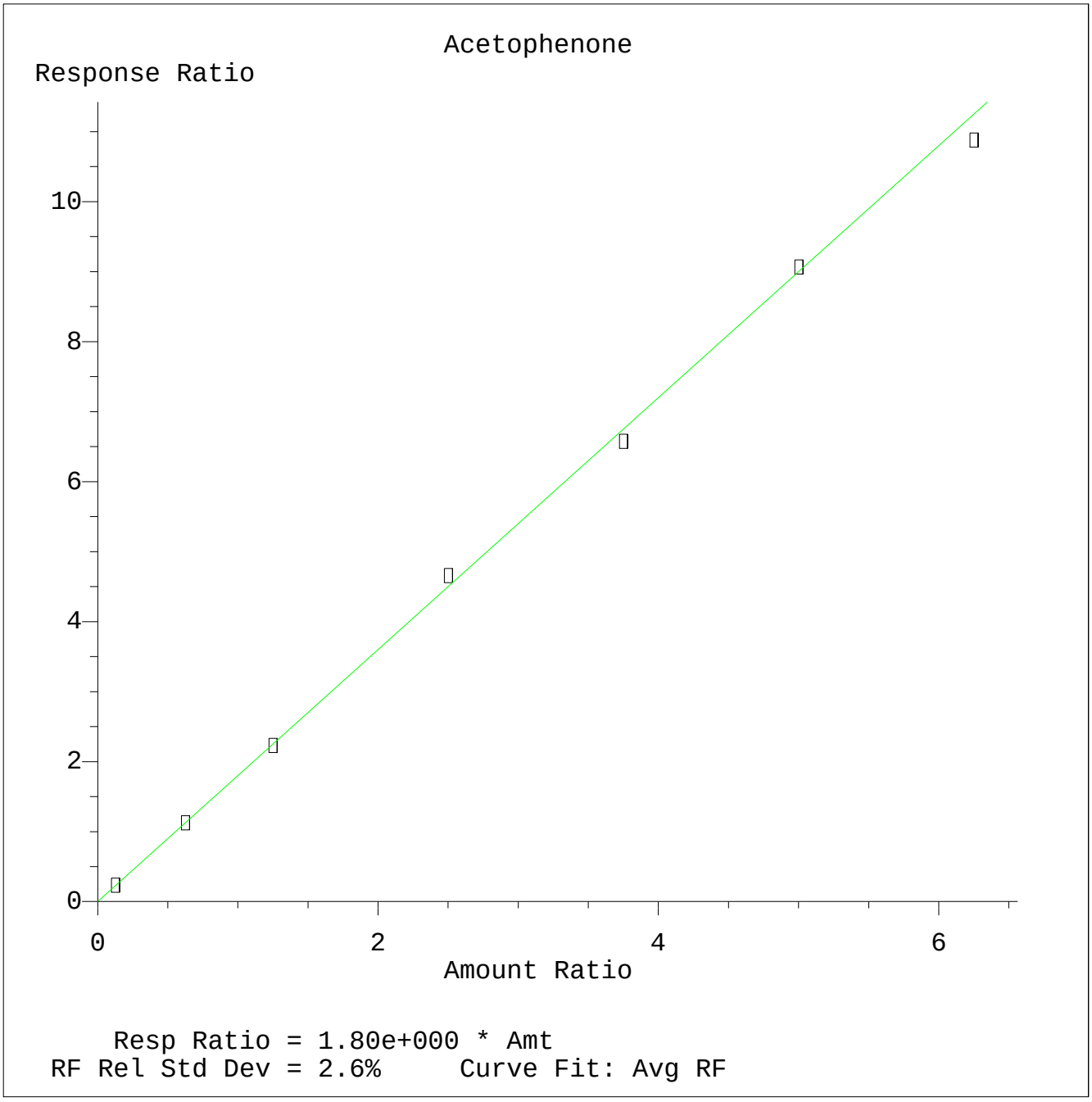
Calibration Table Last Updated: Mon Nov 07 17:47:30 2011



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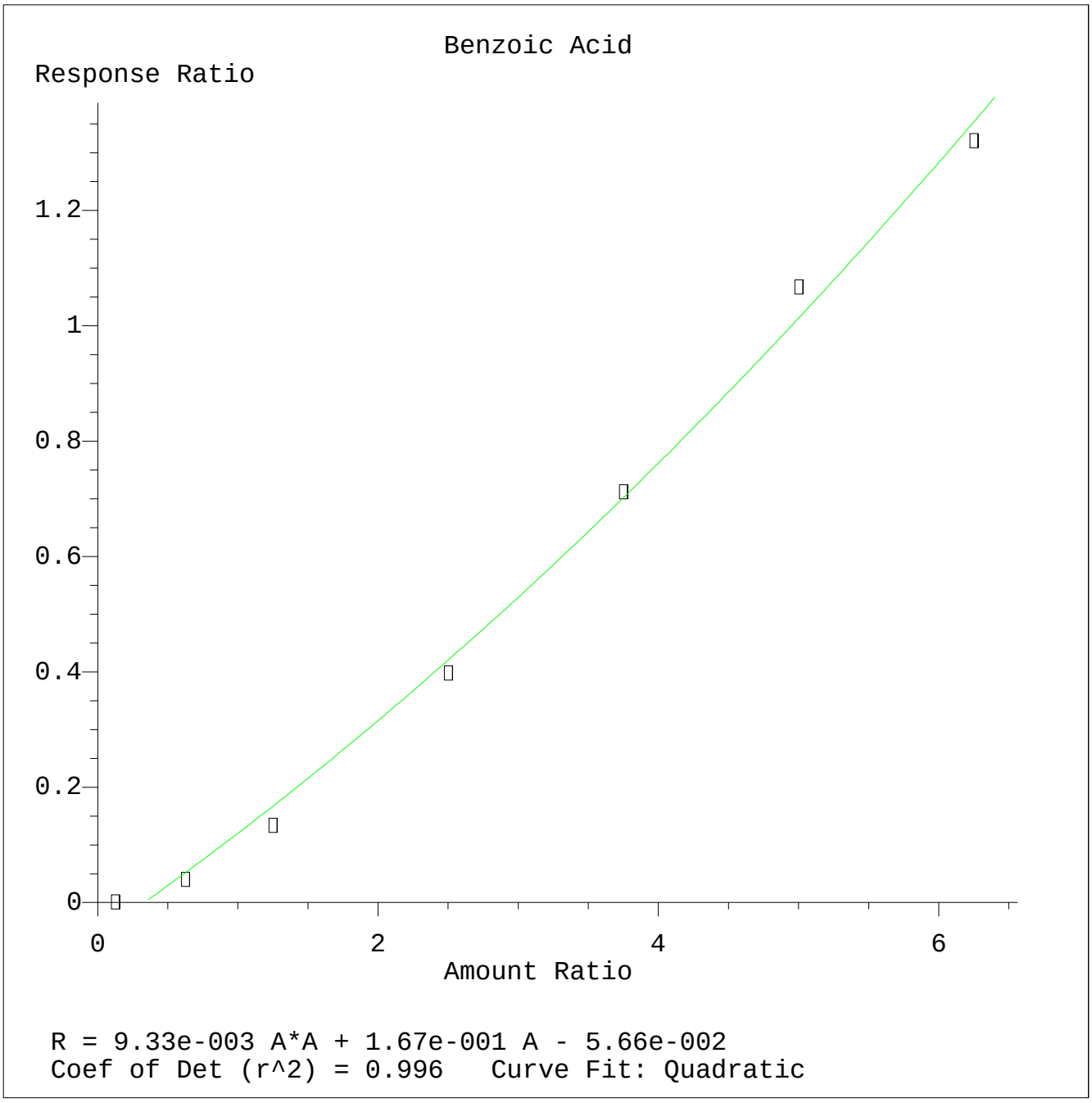
Calibration Table Last Updated: Mon Nov 07 17:47:30 2011



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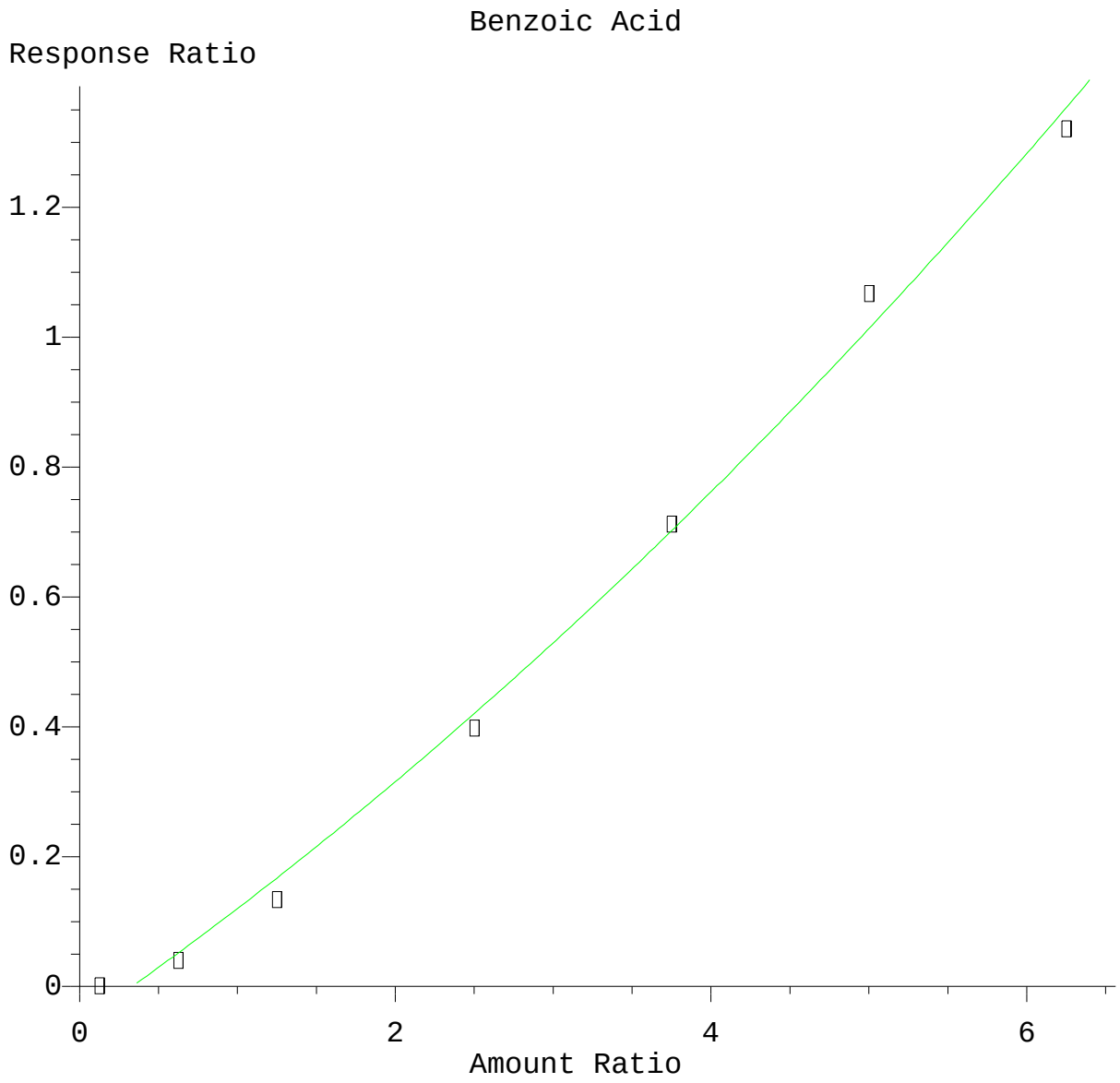
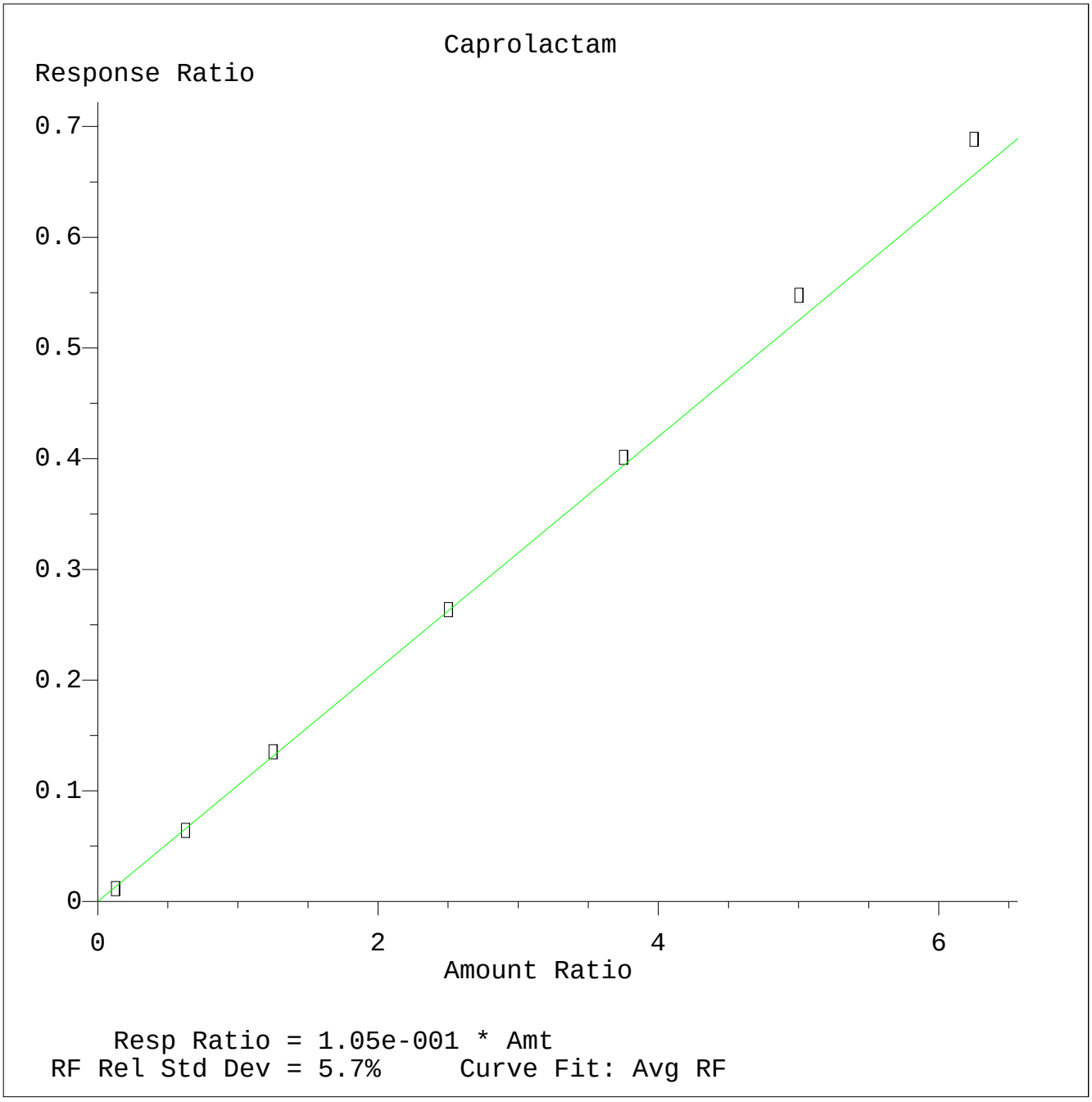


R = 9.33e-003 A*A + 1.67e-001 A - 5.66e-002
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic

Method Name: C:\MSDCHEM\1\METHODS\S811K05K.M
Calibration Table Last Updated: Mon Nov 07 17:47:30 2011



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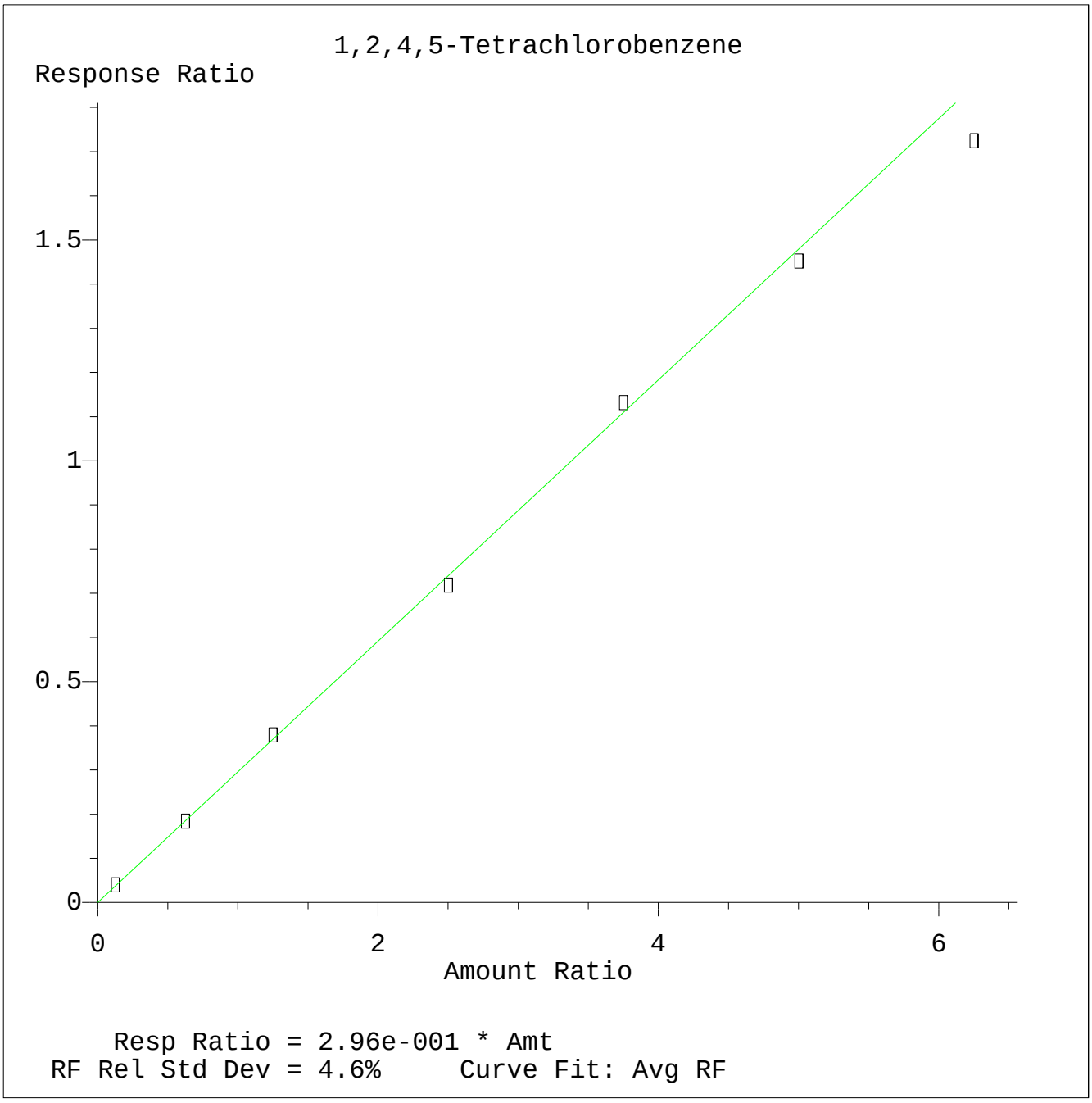
Calibration Table Last Updated: Mon Nov 07 17:51:35 2011



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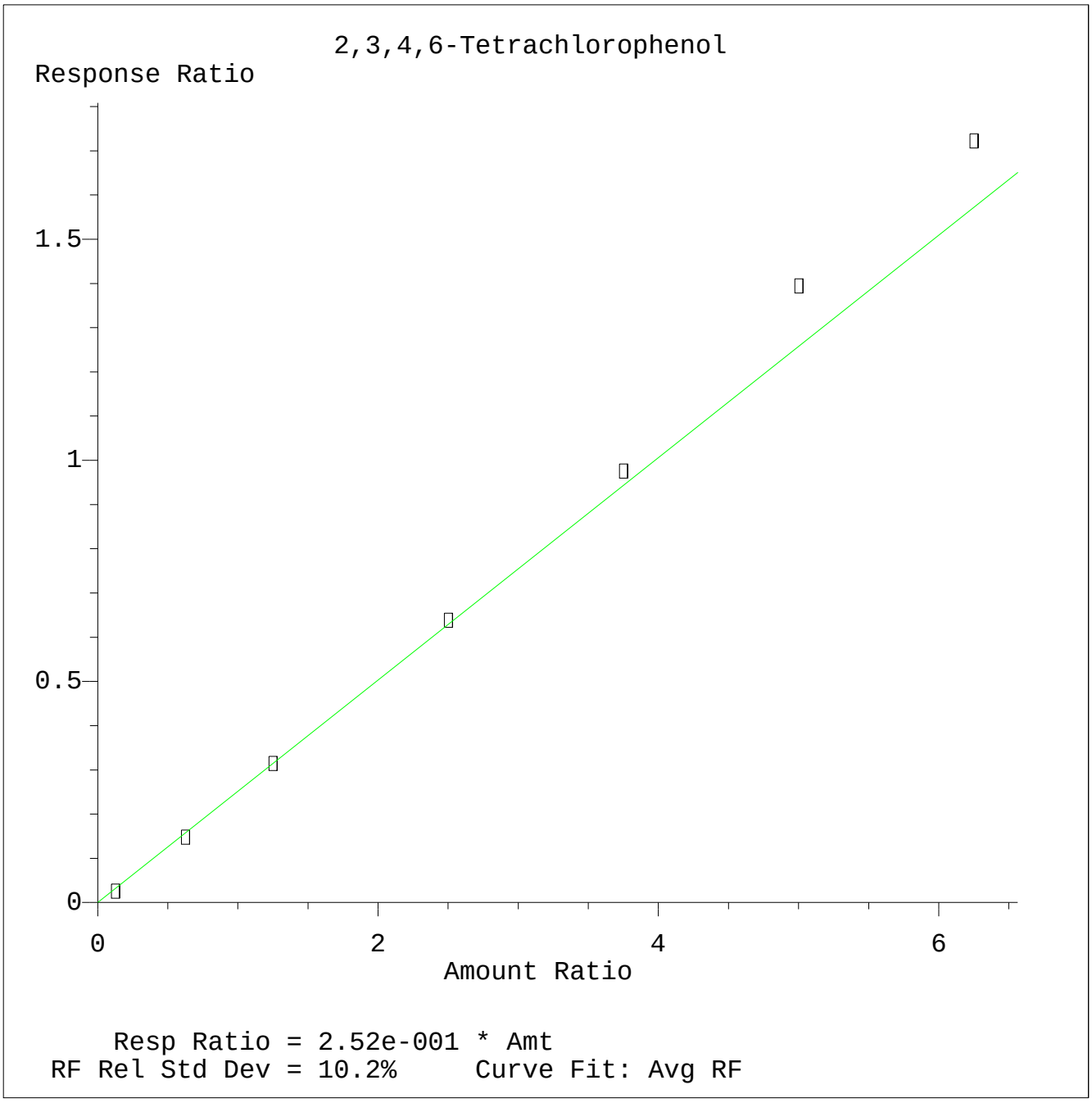

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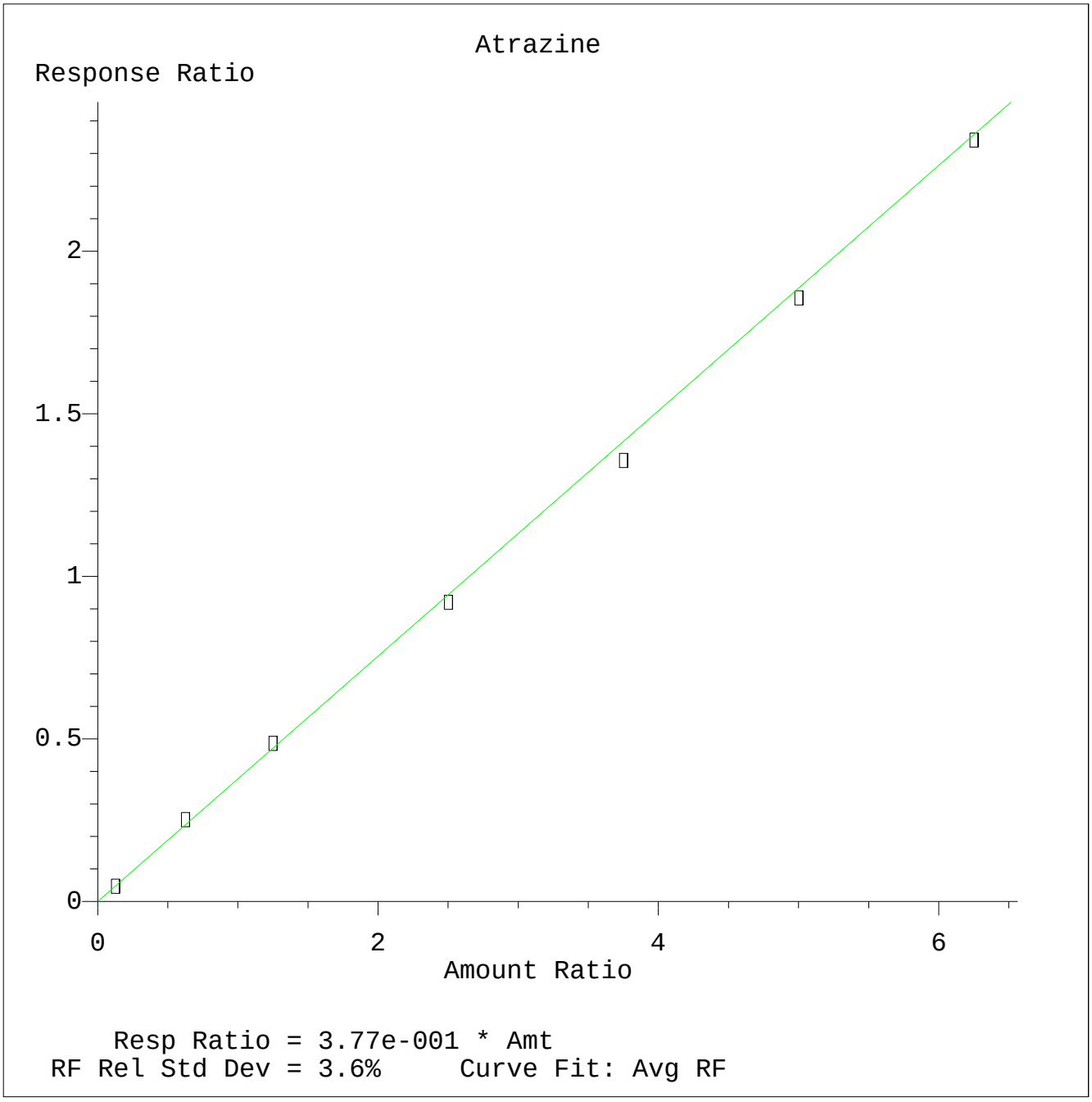

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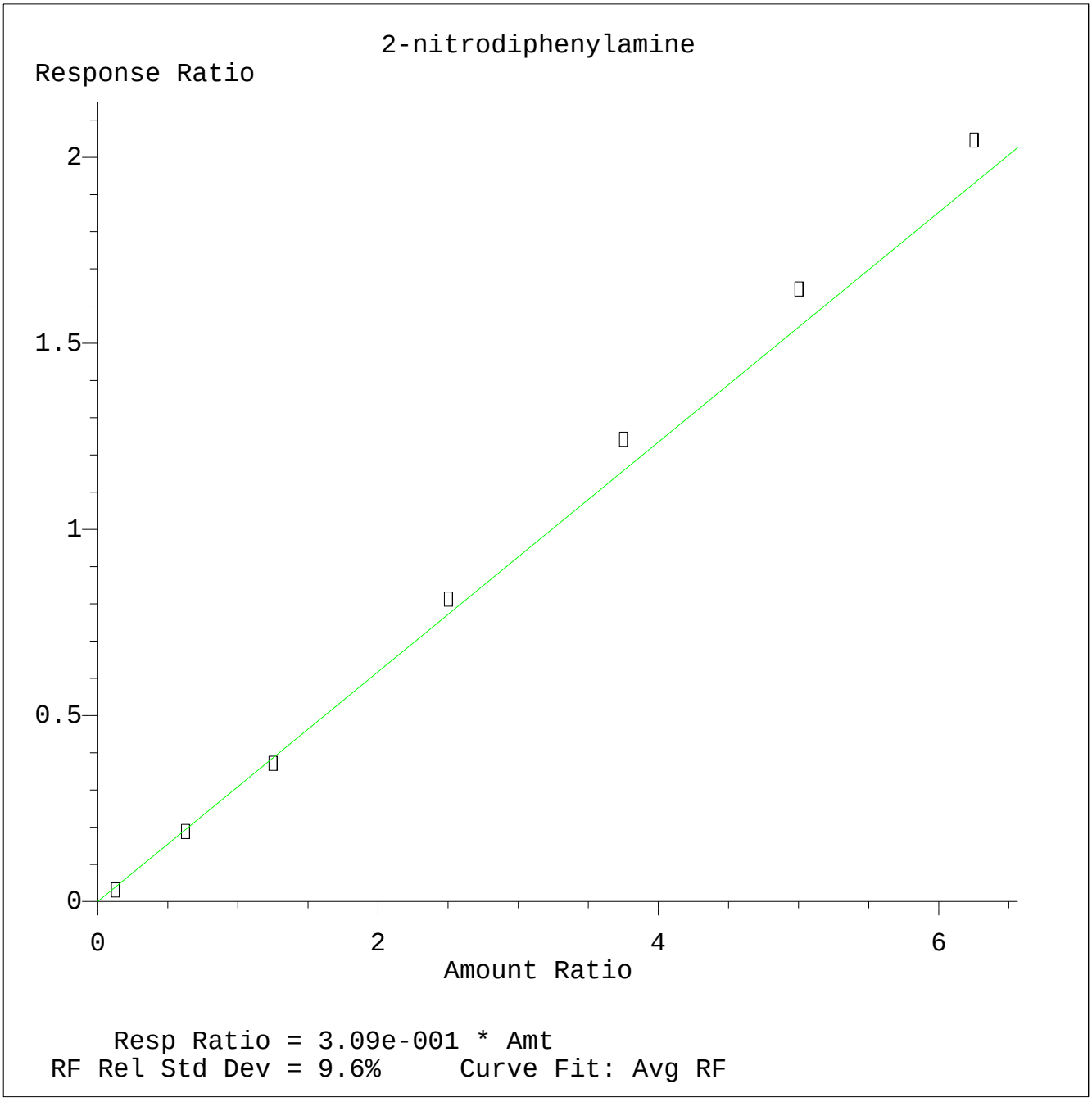

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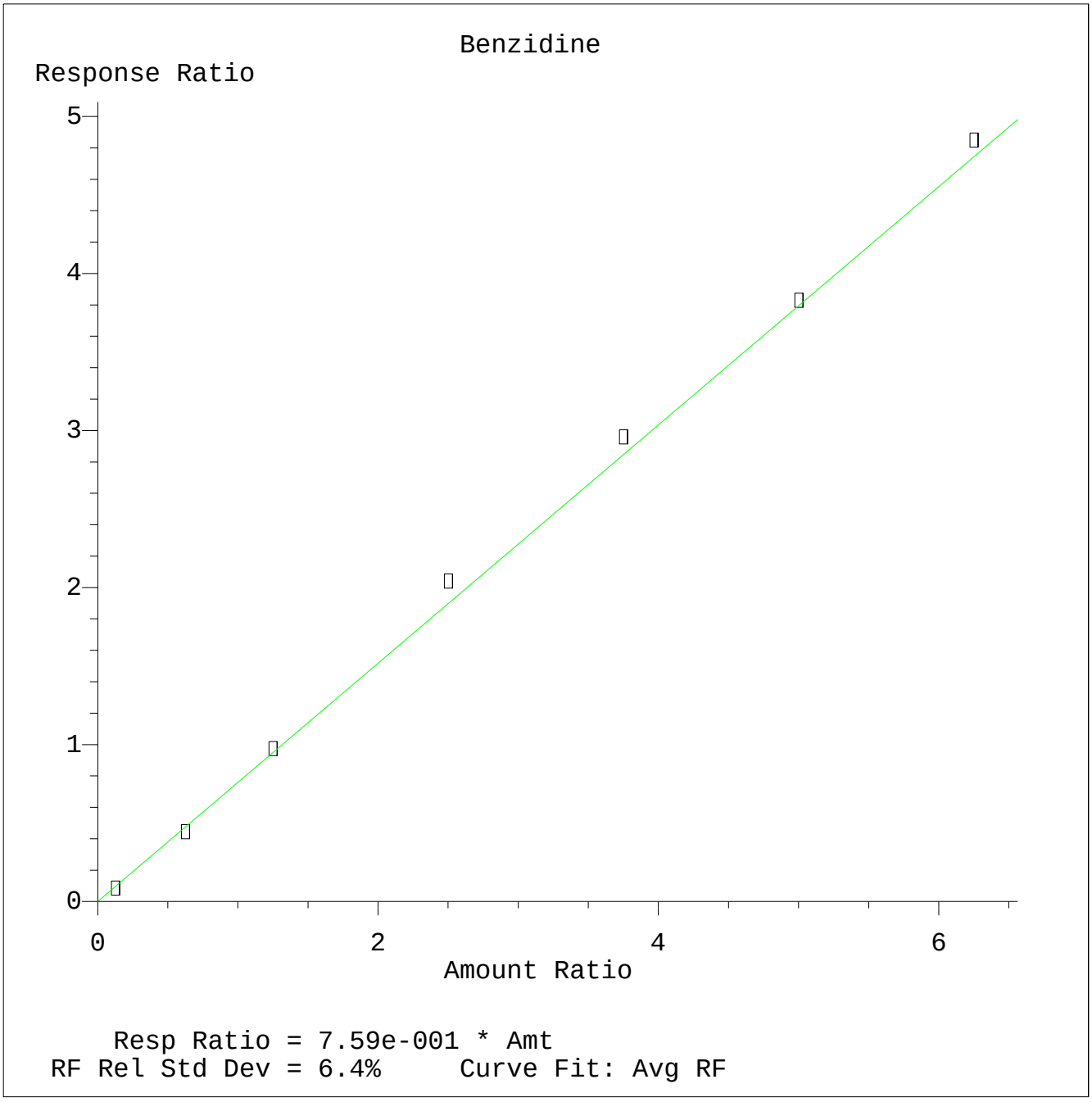

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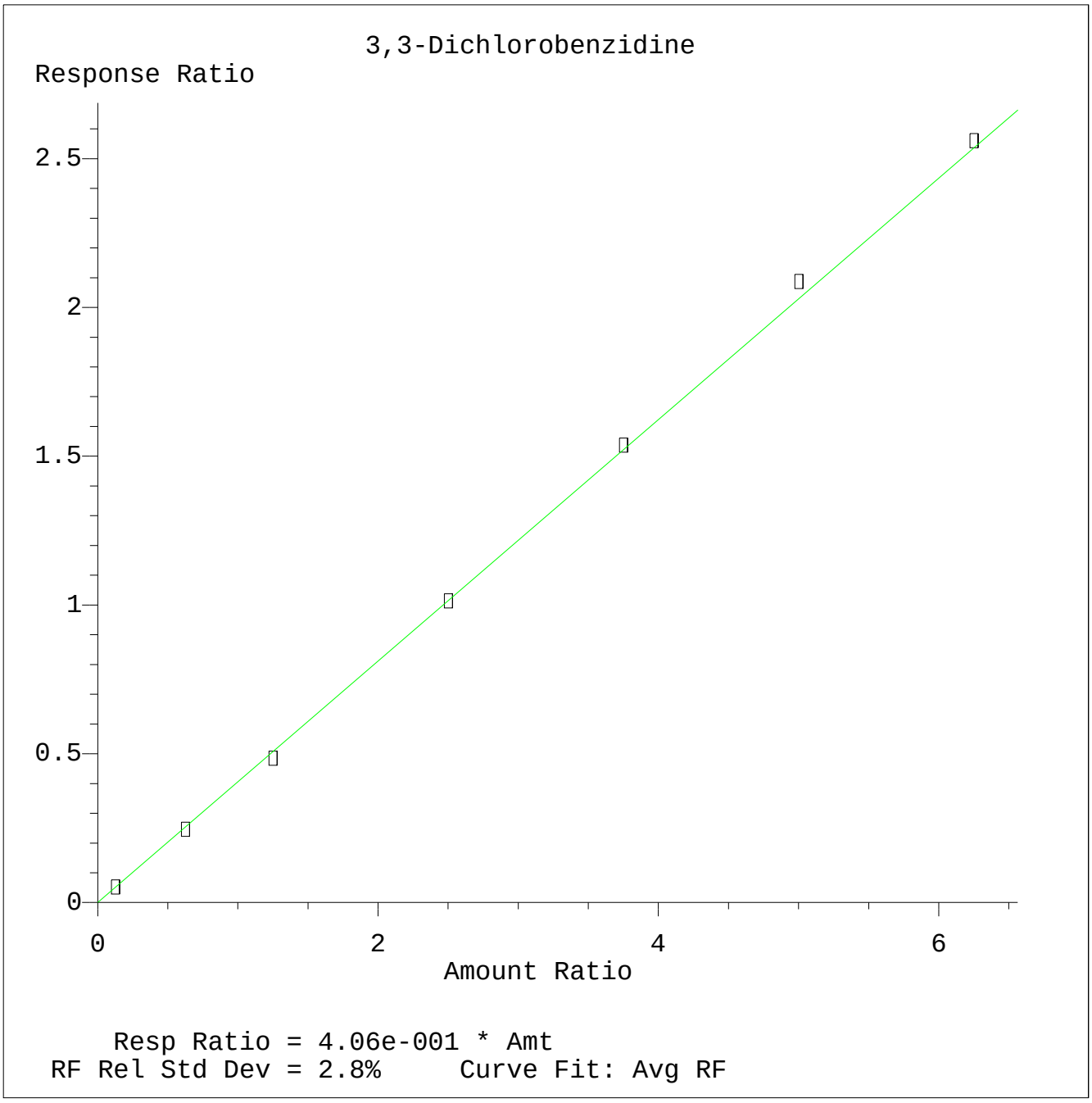

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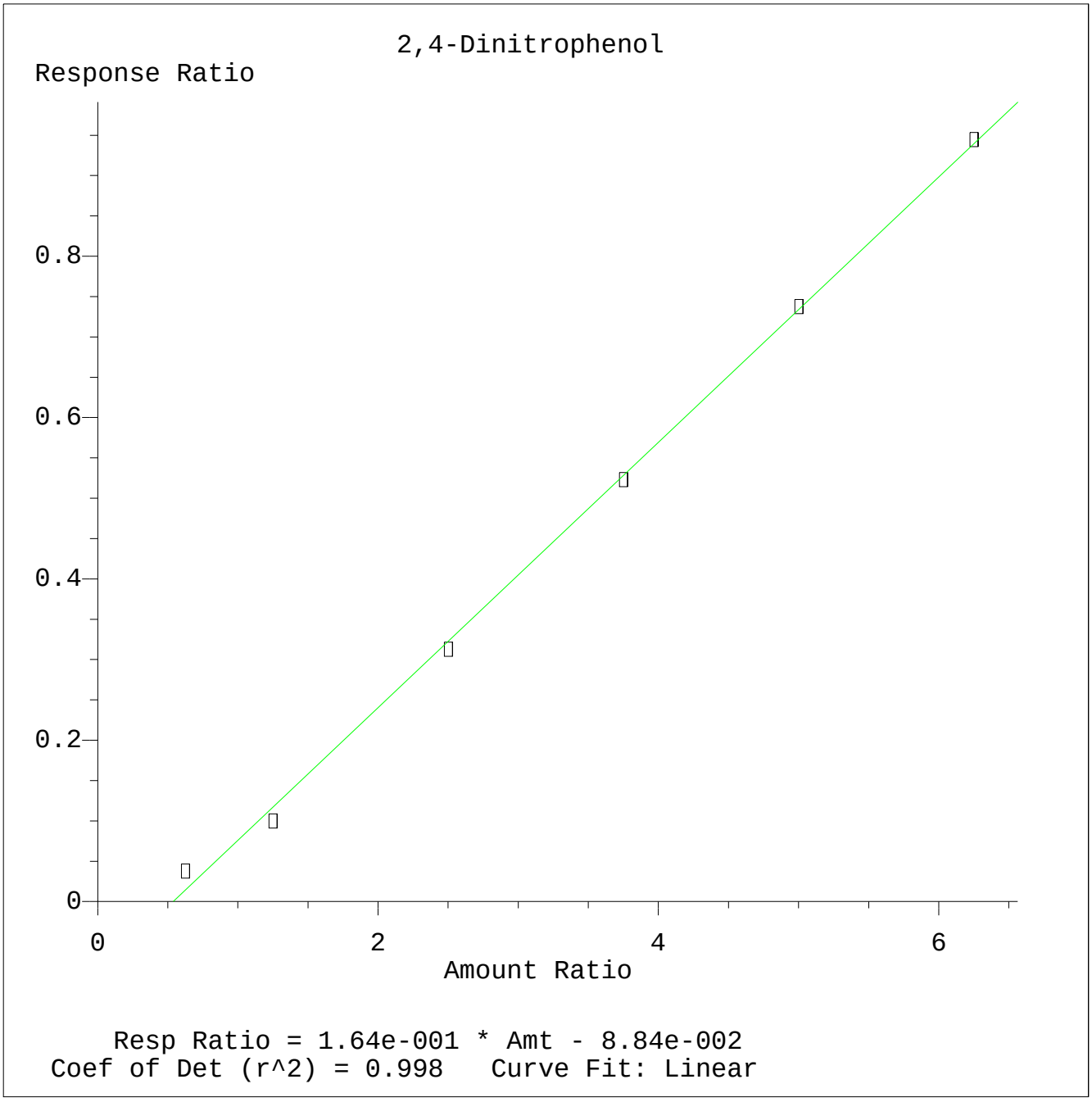

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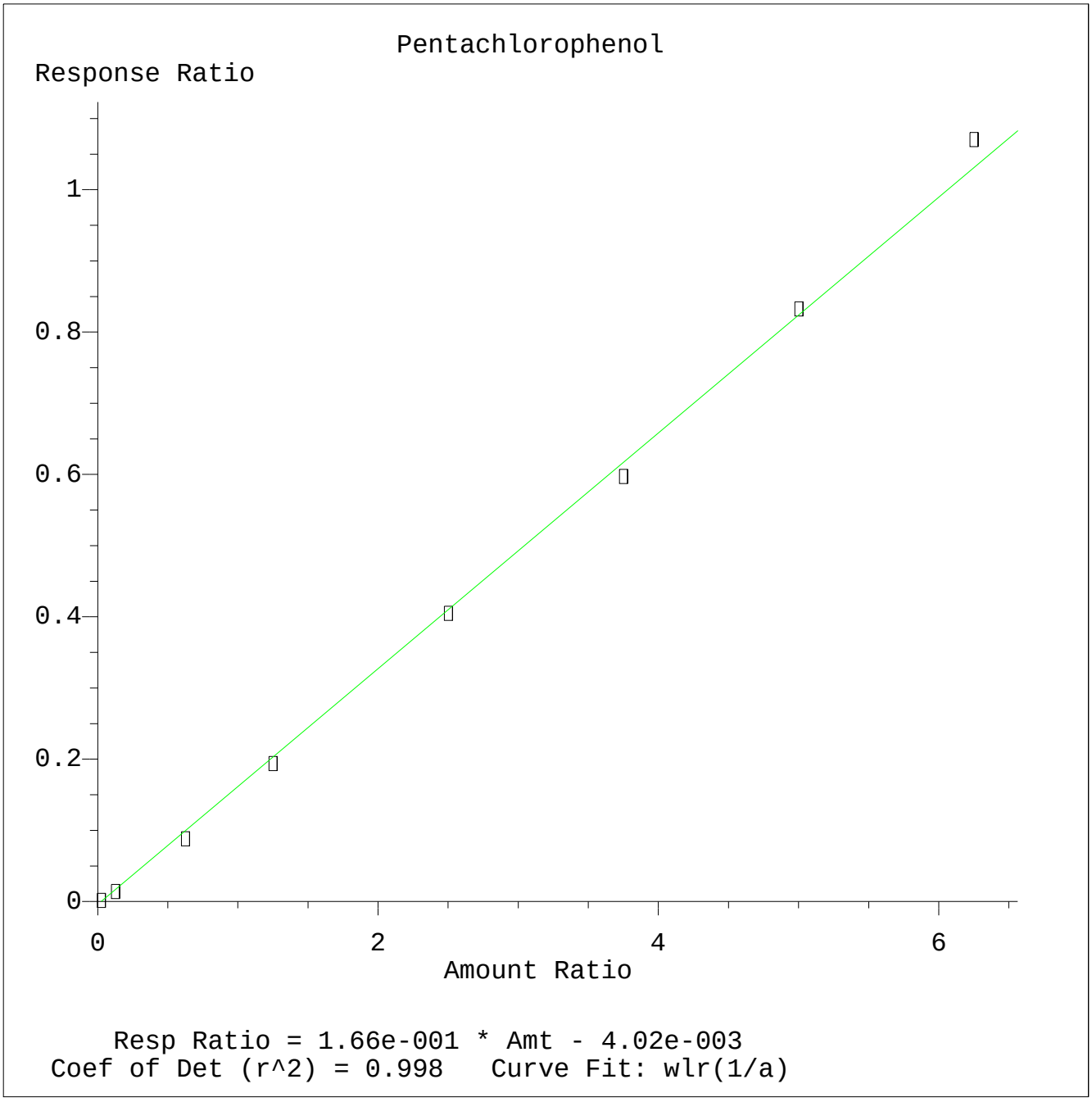
Calibration Table Last Updated: Mon Nov 07 17:51:35 2011



Method Name: C:\MSDCHEM\1\METHODS\S811K05K.M
Calibration Table Last Updated: Mon Nov 07 17:51:35 2011

Response Factor Report BNAMS11

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration

Calibration Files
1K =1105_04.D 5K =1105_05.D 10K =1105_02.D
20K =1105_06.D 30K =1105_07.D 40K =1105_08.D

		Compound	1K	5K	10K	20K	30K	40K	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)	TM	Pyridine	1.204	1.361	1.432	1.494	1.475	1.447	1.413	7.25
3)	MT	N-Nitrosodimeth	0.858	0.829	0.861	0.870	0.859	0.877	0.877	5.87
4)	S	2-Fluorophenol	1.215	1.273	1.260	1.300	1.303	1.306	1.256	6.04
5)	MT	Aniline	1.940	2.031	2.031	2.071	2.115	2.257	2.063	7.57
6)	MT	bis(2-Chloroeth	1.501	1.478	1.432	1.498	1.384	1.312	1.413	7.55
7)	S	Phenol-d5	1.551	1.535	1.462	1.576	1.528	1.569	1.502	6.62
8)	MC	Phenol	1.830	1.744	1.759	1.861	1.789	1.812	1.771	4.04
9)		Benzaldehyde							1.069	5.01
10)	MT	2-Chlorophenol	1.481	1.460	1.386	1.410	1.398	1.412	1.401	4.13
11)	T	n-Decane	0.999	0.918	0.942	0.921	0.838	0.815	0.896	8.22
12)	MT	1,3-Dichloroben	1.635	1.614	1.541	1.580	1.527	1.551	1.564	2.61
13)	MTC	1,4-Dichloroben	1.624	1.610	1.538	1.577	1.559	1.534	1.568	3.01
14)	MT	Benzyl Alcohol	1.199	1.227	1.199	1.336	1.270	1.306	1.232	6.45
15)	MT	1,2-Dichloroben	1.523	1.510	1.461	1.457	1.400	1.437	1.452	3.85
16)	MT	bis(2-Chloroiso	0.481	0.489	0.481	0.479	0.469	0.467	0.466	5.63
17)	MT	2-Methylphenol	1.324	1.309	1.318	1.328	1.252	1.282	1.283	4.06
18)	MT	Hexachloroethan	0.658	0.656	0.626	0.672	0.638	0.655	0.647	2.50
19)	MP	N-Nitrosodi-n-p	1.109	1.080	1.084	1.111	1.063	1.099	1.075	4.77
20)	MT	3&4-Methyl phen	1.498	1.424	1.399	1.443	1.432	1.460	1.418	4.79
21)	MT	Acetophenone							1.800	2.55
22)	I	Naphthalene-d8	----------ISTD----------							
23)	S	Nitrobenzene-d5	0.452	0.451	0.446	0.452	0.455	0.442	0.439	6.22
24)	MT	Nitrobenzene	0.422	0.400	0.403	0.409	0.406	0.395	0.400	3.84
25)	MT	Isophorone	0.752	0.725	0.735	0.725	0.724	0.733	0.718	5.12
26)	MCT	2-Nitrophenol	0.156	0.176	0.174	0.181	0.187	0.181	0.177	5.68
27)	MT	2,4-Dimethylphe	0.373	0.325	0.359	0.314	0.331	0.333	0.335	6.09
28)	MT	bis(2-Chloretho	0.463	0.433	0.419	0.431	0.431	0.430	0.428	4.30
29)	MCT	2,4-Dichlorophe	0.303	0.282	0.287	0.293	0.297	0.289	0.285	6.67
30)	MT	Benzoic Acid							0.136	58.54
31)	MT	1,2,4-Trichloro	0.361	0.327	0.319	0.332	0.316	0.317	0.325	5.14
32)	MT	Naphthalene	1.205	1.104	1.078	1.058	1.084	1.037	1.079	6.02
33)	MT	4-Chloroaniline	0.172	0.141	0.143	0.138	0.144	0.134	0.140	11.53
34)	MCT	Hexachloro-1,3-	0.208	0.196	0.188	0.188	0.191	0.186	0.191	4.19
35)	MT	Caprolactam							0.105	5.75
36)	MCT	4-Chloro-3-meth	0.319	0.316	0.318	0.335	0.328	0.334	0.317	6.87
37)	MT	2-Methylnaphtha	0.761	0.691	0.692	0.679	0.685	0.666	0.683	5.61
38)	MT	1-Methylnaphtha	0.793	0.715	0.690	0.692	0.699	0.673	0.695	6.72

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report BNAMS11

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration

Calibration Files
1K =1105_04.D 5K =1105_05.D 10K =1105_02.D
20K =1105_06.D 30K =1105_07.D 40K =1105_08.D

		Compound	1K	5K	10K	20K	30K	40K	Avg	%RSD
40)	I	Acenaphthene-d10	----------ISTD----------							
41)	MPT	Hexachlorocyclo	0.245	0.276	0.317	0.313	0.307	0.323	0.290	14.96
42)	MCT	2,4,6-Trichloro	0.348	0.387	0.379	0.398	0.382	0.386	0.366	12.19
43)	MT	2,4,5-Trichloro	0.368	0.410	0.398	0.418	0.411	0.404	0.384	11.93
44)	S	2-Fluorobipheny	1.400	1.416	1.376	1.385	1.311	1.301	1.337	4.95
45)	MT	Biphenyl	1.599	1.553	1.551	1.537	1.478	1.458	1.499	5.06
46)	MT	2-Chloronaphtha	1.292	1.273	1.159	1.218	1.171	1.140	1.172	7.48
47)	MT	2-Nitroaniline	0.364	0.397	0.375	0.409	0.393	0.404	0.381	8.88
48)	MT	Acenaphthylene	1.966	1.861	1.852	1.900	1.812	1.792	1.826	5.17
49)	MT	Dimethyl phthal	1.442	1.399	1.355	1.425	1.386	1.348	1.372	5.30
50)	MT	2,6-Dinitrotolu	0.305	0.335	0.302	0.324	0.312	0.310	0.302	10.66
51)	MT	3-Nitroaniline	0.320	0.308	0.310	0.316	0.303	0.301	0.300	8.57
52)	MCT	Acenaphthene	1.296	1.216	1.209	1.175	1.172	1.128	1.180	5.92
53)	MPT	2,4-Dinitrophen		0.061	0.080	0.125	0.139	0.148	0.117	32.41
54)	MT	Dibenzofuran	1.755	1.731	1.616	1.645	1.586	1.586	1.635	4.32
55)	MT	2,4-Dinitrotolu	0.363	0.403	0.395	0.430	0.413	0.418	0.388	13.10
56)	T	2,3,4,6-Tetrach							0.252	10.19
57)	MPT	4-Nitrophenol		0.202	0.215	0.244	0.240	0.249	0.234	8.67
58)	MT	Fluorene	1.468	1.415	1.382	1.364	1.321	1.318	1.357	4.54
59)	MT	4-Chlorophenyl-	0.661	0.646	0.622	0.617	0.618	0.622	0.619	4.51
60)	MT	Diethyl phthala	1.482	1.466	1.412	1.439	1.397	1.393	1.400	5.08
61)	MT	4-Nitroaniline	0.302	0.256	0.230	0.248	0.235	0.240	0.245	11.10
62)	MT	Azobenzene	1.550	1.541	1.556	1.568	1.491	1.530	1.509	5.31
63)	MT	Atrazine							0.377	3.64
64)	I	Phenanthrene-d10	----------ISTD----------							
65)	MT	4,6-Dinitro-2-m		0.094	0.104	0.123	0.123	0.128	0.118	13.51
66)	MCT	N-Nitrosodiphen	0.808	0.732	0.708	0.673	0.630	0.669	0.693	8.14
67)	S	2,4,6-Tribromop	0.103	0.108	0.107	0.115	0.110	0.115	0.105	14.54
68)	MT	4-Bromophenyl-p	0.256	0.231	0.226	0.228	0.220	0.220	0.229	5.08
69)	MT	Hexachlorobenze	0.295	0.270	0.258	0.245	0.234	0.244	0.252	8.52
70)	T	n-octadecane	0.186	0.168	0.175	0.159	0.144	0.143	0.159	10.44
71)	MCT	Pentachlorophen	0.111	0.141	0.155	0.162	0.159	0.167	0.140	28.66#
72)	MT	Phenanthrene	1.354	1.286	1.184	1.181	1.114	1.149	1.196	6.87
73)	MT	Anthracene	1.264	1.182	1.211	1.139	1.109	1.103	1.146	5.86
74)	MT	Carbazole	1.201	1.157	1.096	1.087	1.007	1.063	1.081	6.48
75)	MT	Di-n-butyl phth	1.692	1.583	1.614	1.554	1.448	1.403	1.520	6.93
76)	MT	2-nitrodiphenyl							0.309	9.57
78)	I	Chrysene-d12	----------ISTD----------							

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report BNAMS11

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration

Calibration Files
1K =1105_04.D 5K =1105_05.D 10K =1105_02.D
20K =1105_06.D 30K =1105_07.D 40K =1105_08.D

		Compound	1K	5K	10K	20K	30K	40K	Avg	%RSD
79)	MT	Benzidine							0.759	6.43
80)	MT	Pyrene	1.538	1.476	1.427	1.453	1.421	1.449	1.430	6.06
81)	S	p-Terphenyl-d14	0.824	0.837	0.785	0.829	0.809	0.823	0.802	5.50
82)	MT	Benzylbutyl pht	0.702	0.734	0.730	0.738	0.747	0.725	0.710	7.41
83)	MT	3,3-Dichloroben							0.406	2.78
84)	MT	Benzo(a)anthrac	1.317	1.268	1.226	1.248	1.241	1.263	1.249	3.48
85)	MT	Chrysene	1.308	1.208	1.161	1.162	1.165	1.173	1.177	5.94
86)	MT	bis(2-Ethylhexy	1.053	1.084	1.076	1.077	1.074	1.063	1.037	8.28
87)	MC	Di-n-octyl phth	1.672	1.819	1.810	1.873	1.852	1.844	1.750	11.19
88)	I	Perylene-d12	----------ISTD----------							
89)	MT	Benzo(b)fluoran	1.245	1.226	1.180	1.281	1.250	1.284	1.222	8.03
90)	MT	Benzo(k)fluoran	1.200	1.184	1.126	1.192	1.197	1.222	1.159	7.41
91)	MC	Benzo(a)pyrene	1.133	1.183	1.129	1.222	1.208	1.222	1.160	8.11
92)	MT	Indeno(1,2,3-cd	1.236	1.275	1.265	1.365	1.325	1.310	1.253	8.57
93)	MT	Dibenz(a,h)anth	0.948	0.993	1.005	1.102	1.072	1.057	0.985	12.86

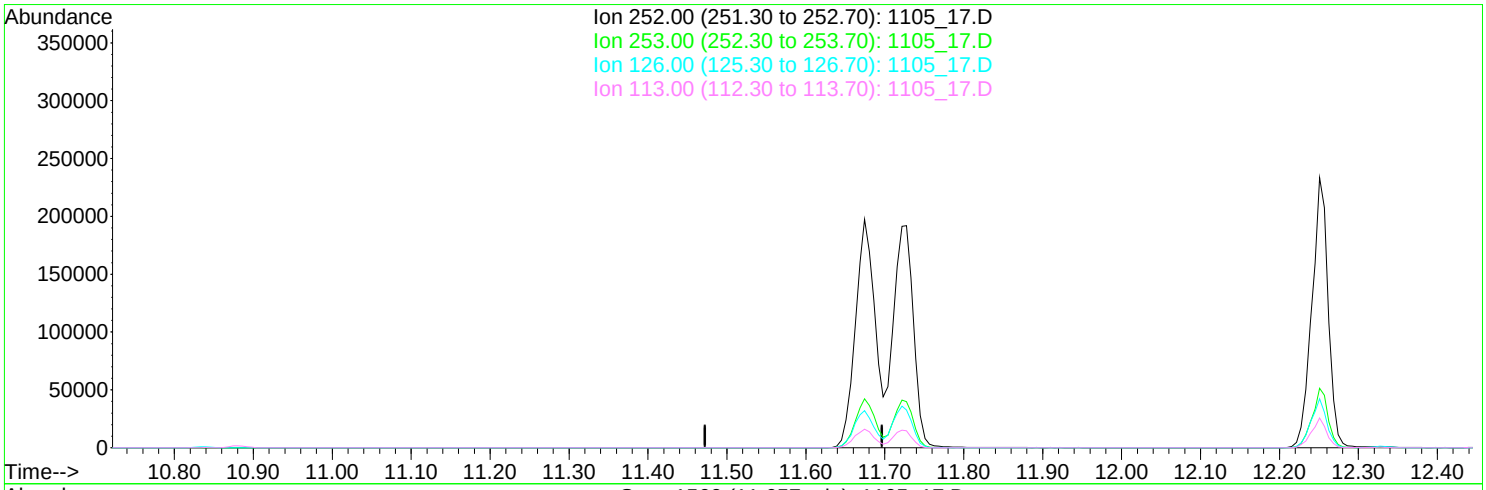
(#) = Out of Range ### Number of calibration levels exceeded format ###

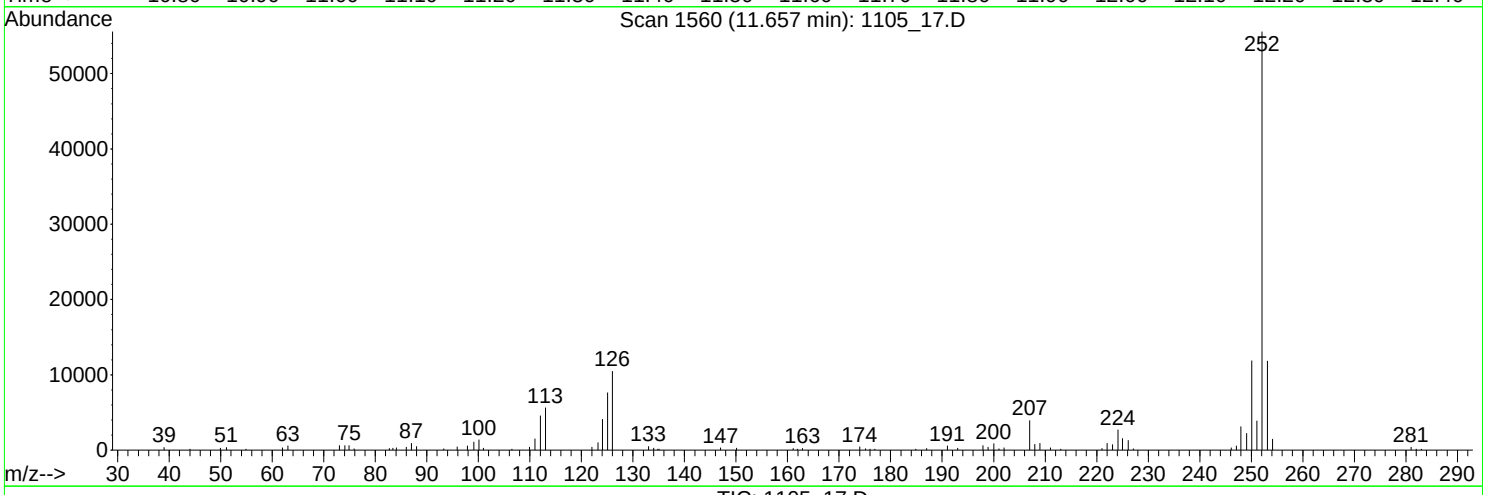
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_17.D Vial: 17
Acq On : 5 Nov 2011 5:09 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:53 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_17.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-11.657) 0.0000000 ppb

Qvalue = 0

response 0

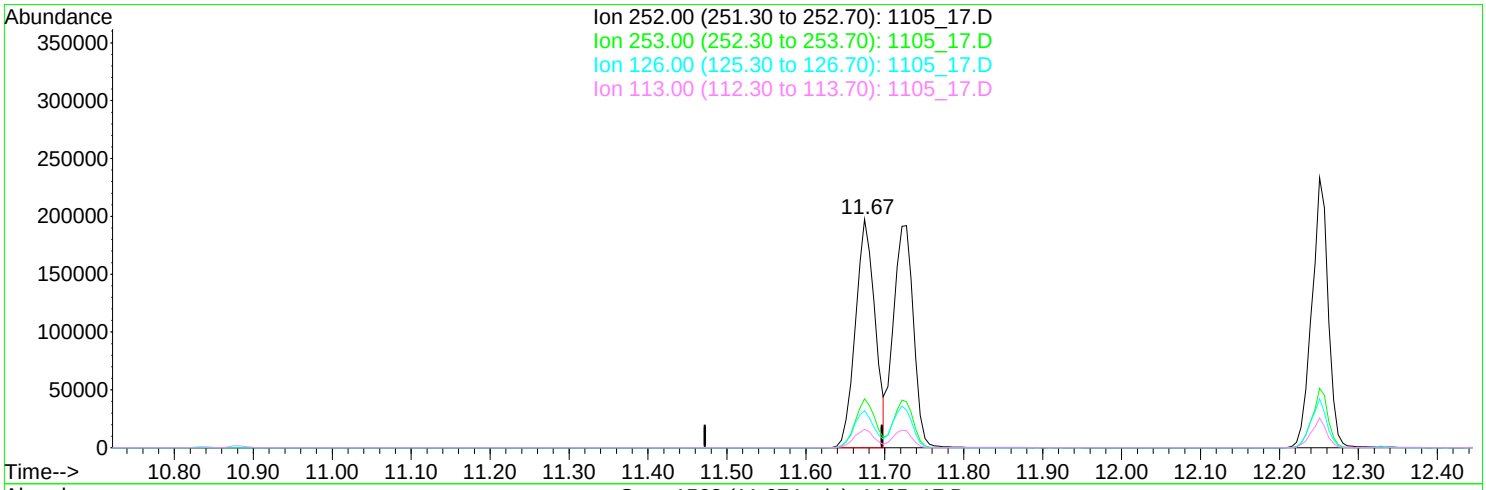
Ion	Exp%	Act%
252.00	100	0.00
253.00	22.50	0.00#
126.00	17.40	0.00
113.00	8.40	0.00

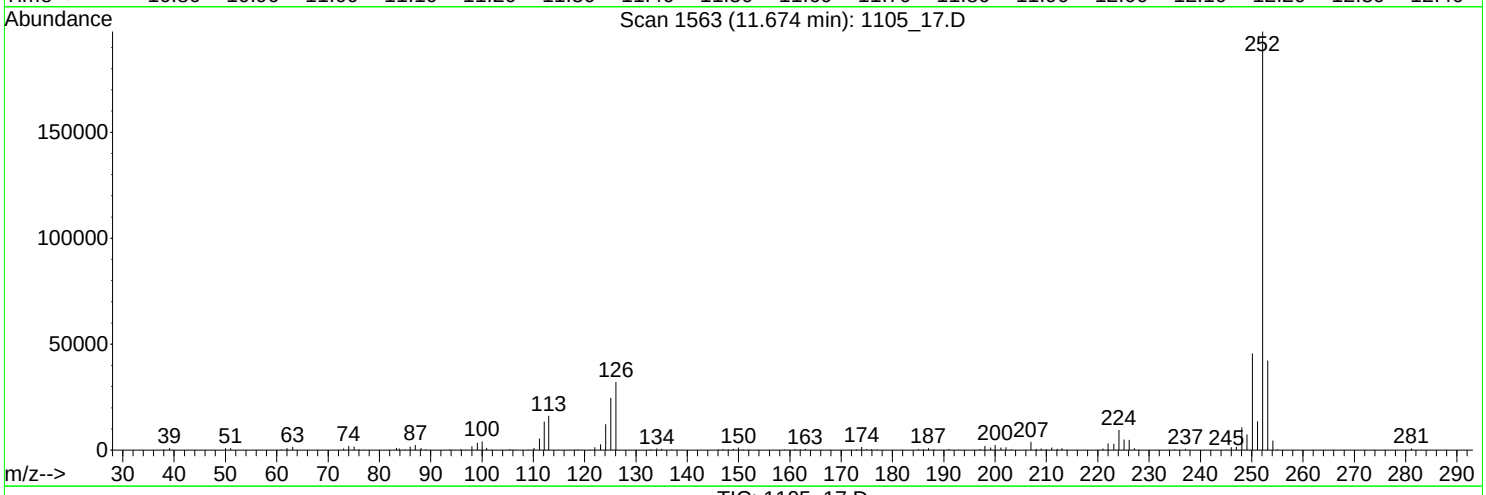
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_17.D Vial: 17
Acq On : 5 Nov 2011 5:09 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_17.D

(89) Benzo(b)fluoranthene (MT)

11.67min (+0.018) 10505.0608456 ppb m

response 340699

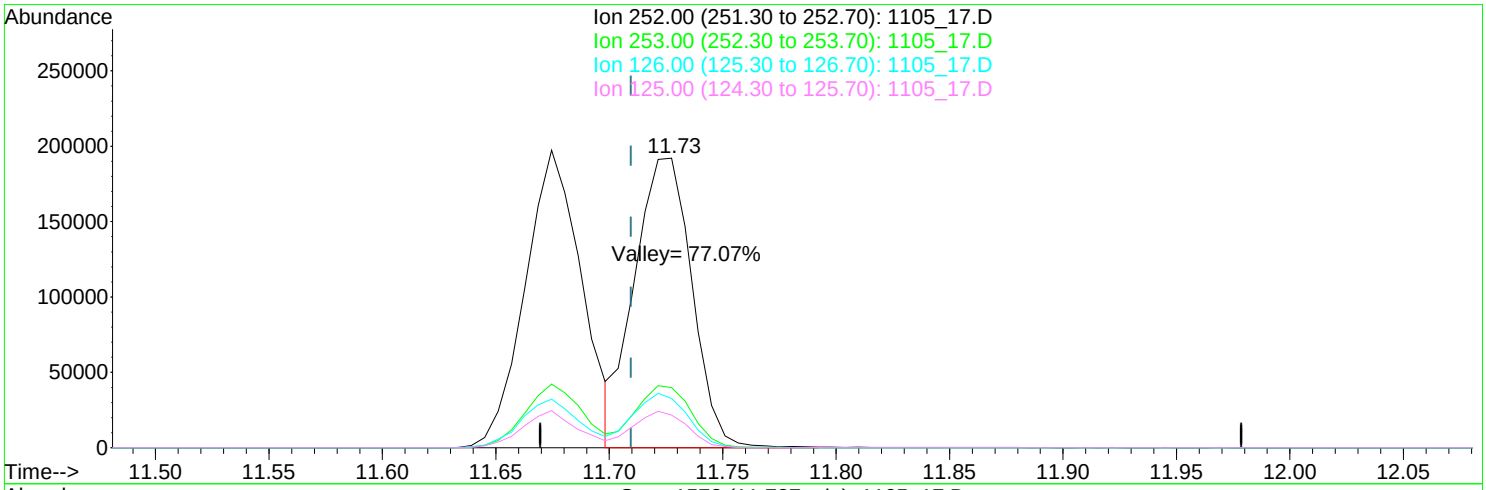
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.43
126.00	17.40	16.32
113.00	8.40	8.19

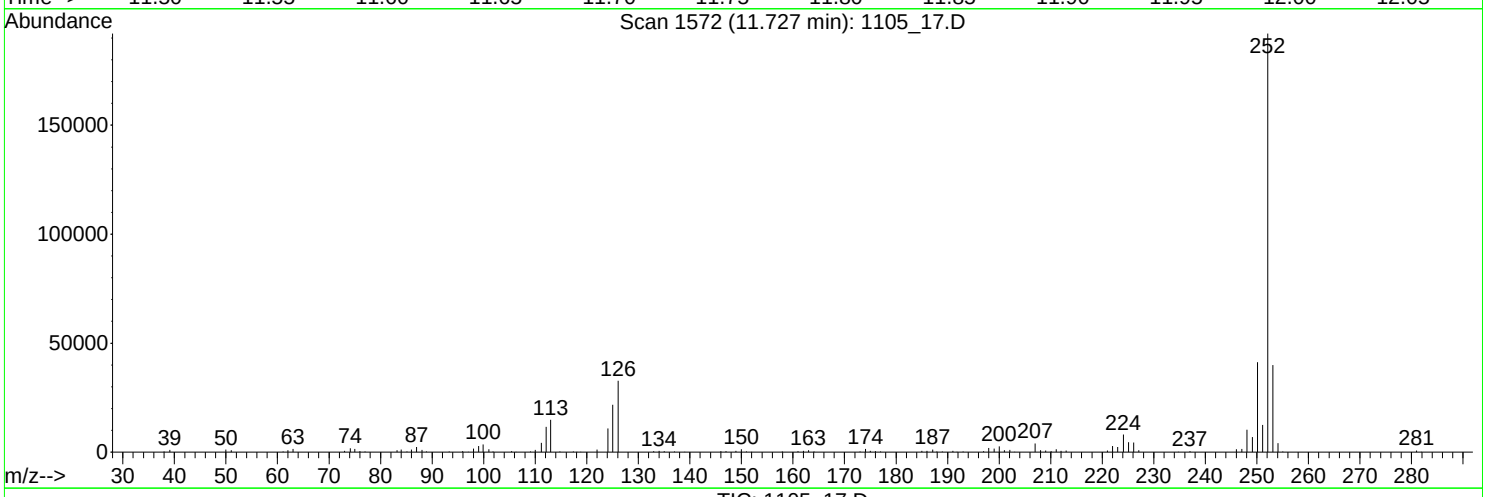
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_17.D Vial: 17
Acq On : 5 Nov 2011 5:09 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_17.D

(90) Benzo(k)fluoranthene (MT)

11.73min (+0.018) 11069.0716722 ppb

Qvalue = 99

response 340497

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	20.77
126.00	16.30	17.04
125.00	11.40	11.32

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_17.D Vial: 17
Acq On : 5 Nov 2011 5:09 pm Operator: 377
Sample : SSCV SVMS 10000 ppb 11G20057 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:54 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	73411	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	277214	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	156994	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	245398	8000.00 ppb	0.00
78) Chrysene-d12	10.10	240	213406	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	212336	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	5.35	99	1733	125.6954931 ppb	0.26
Spiked Amount 20.000	Range 10 - 63		Recovery = 628.48%#		
23) Nitrobenzene-d5	5.65	82	15400	1011.3259078 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 10113.26%#		
44) 2-Fluorobiphenyl	6.68	172	185	7.0507748 ppb	-0.02
Spiked Amount 10.000	Range 29 - 127		Recovery = 70.51%		
67) 2,4,6-Tribromophenol	7.33	330	153	47.4092332 ppb	-0.25
Spiked Amount 20.000	Range 16 - 147		Recovery = 237.05%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds					Qvalue
2) Pyridine	3.63	79	134773	10392.4506003 ppb	94
3) N-Nitrosodimethylamine	3.60	42	77025	9571.6115476 ppb	95
5) Aniline	5.15	93	193549	10222.0953147 ppb	98
6) bis(2-Chloroethyl)ether	5.17	93	131229	10119.0499804 ppb	96
8) Phenol	5.10	94	167918	10332.3290320 ppb	98
9) Benzaldehyde	5.10	105	2359	240.5417301 ppb #	1
10) 2-Chlorophenol	5.22	128	133566	10392.5442312 ppb	96
11) n-Decane	5.15	41	11437	1391.2626676 ppb #	26
12) 1,3-Dichlorobenzene	5.32	146	148969	10377.0471616 ppb	95
13) 1,4-Dichlorobenzene	5.36	146	149942	10418.2499315 ppb	97
14) Benzyl Alcohol	5.41	79	127881	11309.6308360 ppb	99
15) 1,2-Dichlorobenzene	5.45	146	137291	10305.9369793 ppb	99
16) bis(2-Chloroisopropyl)ethe	5.48	121	46394	10860.0543822 ppb	93
17) 2-Methylphenol	5.46	108	126691	10760.3203118 ppb	97
18) Hexachloroethane	5.65	117	60263	10155.7348422 ppb	97
19) N-Nitrosodi-n-propylamine	5.56	70	101704	10312.1913356 ppb	98
20) 3&4-Methyl phenol	5.54	107	136600	10500.7404986 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_17.D Vial: 17
Acq On : 5 Nov 2011 5:09 pm Operator: 377
Sample : SSCV SVMS 10000 ppb 11G20057 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:54 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21) Acetophenone	5.54	105	1238	74.9475334 ppb	#	1
24) Nitrobenzene	5.67	77	152378	10988.3055804 ppb		99
25) Isophorone	5.81	82	253694	10189.7873028 ppb		94
26) 2-Nitrophenol	5.86	139	67781	11060.9174394 ppb	#	82
27) 2,4-Dimethylphenol	5.85	107	133141	11458.3455214 ppb		98
28) bis(2-Chlorethoxy)methane	5.91	93	169078	11406.8785412 ppb		94
29) 2,4-Dichlorophenol	5.99	162	104727	10614.7760205 ppb		94
30) Benzoic Acid	5.85	105	7149	3839.0677673 ppb	#	1
31) 1,2,4-Trichlorobenzene	6.05	180	115031	10211.0263310 ppb		99
32) Naphthalene	6.11	128	396220	10595.3060534 ppb		90
33) 4-Chloroaniline	6.12	65	51753	10675.0020943 ppb		96
34) Hexachloro-1,3-butadiene	6.16	225	74536	11268.0826057 ppb		97
35) Caprolactam	6.37	113	3587	985.3228487 ppb	#	27
36) 4-Chloro-3-methylphenol	6.37	107	120198	10949.9927451 ppb		96
37) 2-Methylnaphthalene	6.50	142	252391	10664.9224109 ppb		99
38) 1-Methylnaphthalene	6.56	142	247234	10262.1257891 ppb		98
39) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.		
41) Hexachlorocyclopentadiene	6.59	237	47200	8305.4562911 ppb		95
42) 2,4,6-Trichlorophenol	6.66	196	77185	10757.4788716 ppb	#	85
43) 2,4,5-Trichlorophenol	6.68	196	76710	10192.3845523 ppb		89
45) Biphenyl	6.90	154	67	2.2781919 ppb	#	1
46) 2-Chloronaphthalene	6.80	162	242058	10528.2249656 ppb		93
47) 2-Nitroaniline	6.84	138	81229	10861.6889489 ppb		98
48) Acenaphthylene	7.05	152	366200	10218.8374030 ppb		100
49) Dimethyl phthalate	6.92	163	270549	10049.6341830 ppb		98
50) 2,6-Dinitrotoluene	6.97	165	64256	10839.4085560 ppb	#	72
51) 3-Nitroaniline	7.07	138	63846	10854.5929297 ppb		98
52) Acenaphthene	7.15	153	239108	10325.3294581 ppb		99
53) 2,4-Dinitrophenol	7.13	184	23860	11695.5931121 ppb		91
54) Dibenzofuran	7.24	168	326092	10163.4471385 ppb		99
55) 2,4-Dinitrotoluene	7.20	165	82060	10767.2562454 ppb		98
56) 2,3,4,6-Tetrachlorophenol	7.30	232	59894	12129.5353219 ppb		97
57) 4-Nitrophenol	7.13	139	45312	9880.1032147 ppb		97
58) Fluorene	7.45	166	275105	10327.1089433 ppb		99
59) 4-Chlorophenyl-phenylether	7.42	204	119386	9825.1282154 ppb		98
60) Diethyl phthalate	7.32	149	292668	10650.4410797 ppb		100
62) Azobenzene	7.52	77	309919	10468.9452092 ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_17.D Vial: 17
Acq On : 5 Nov 2011 5:09 pm Operator: 377
Sample : SSCV SVMS 10000 ppb 11G20057 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:54 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63) Atrazine	7.87	200	10407	1405.8304065 ppb	#	25
65) 4,6-Dinitro-2-methylphenol	7.45	198	36861	10168.3397298 ppb		89
66) N-Nitrosodiphenylamine	7.49	169	229773	10811.1349089 ppb		99
68) 4-Bromophenyl-phenylether	7.71	248	73954	10545.3214897 ppb		97
69) Hexachlorobenzene	7.77	284	78673	10169.5824373 ppb		98
70) n-octadecane	7.70	55	1066	219.1944821 ppb	#	1
71) Pentachlorophenol	7.87	266	50200	10075.4099961 ppb		97
72) Phenanthrene	8.02	178	390409	10640.7363624 ppb		99
73) Anthracene	8.05	178	377303	10734.6146459 ppb		100
74) Carbazole	8.12	167	341007	10285.9604501 ppb		99
75) Di-n-butyl phthalate	8.26	149	491647	10544.0404835 ppb		99
76) 2-nitrodiphenylamine	8.39	167	120	12.6737117 ppb	#	23
77) Fluoranthene	8.76	202	401077	10181.0760296 ppb		99
79) Benzidine	0.00	184	0	N.D.		
80) Pyrene	8.93	202	423213	11098.3045716 ppb		100
82) Benzylbutyl phthalate	9.37	149	221640	11702.8654069 ppb		99
83) 3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84) Benzo(a)anthracene	10.08	228	346268	10390.4619919 ppb		99
85) Chrysene	10.13	228	325238	10361.0859201 ppb		98
86) bis(2-Ethylhexyl)phthalate	9.96	149	307663	11124.0772878 ppb		99
87) Di-n-octyl phthalate	10.88	149	518976	11114.5376478 ppb		100
89) Benzo(b)fluoranthene	11.67	252	340699m	10505.0608456 ppb		
90) Benzo(k)fluoranthene	11.73	252	340497	11069.0716722 ppb		99
91) Benzo(a)pyrene	12.25	252	338727	11004.7379519 ppb		98
92) Indeno(1,2,3-cd)pyrene	14.08	276	366066	11011.2269337 ppb		99
94) Benzo(g,h,i)perylene	14.60	276	310703	11197.8136866 ppb		99

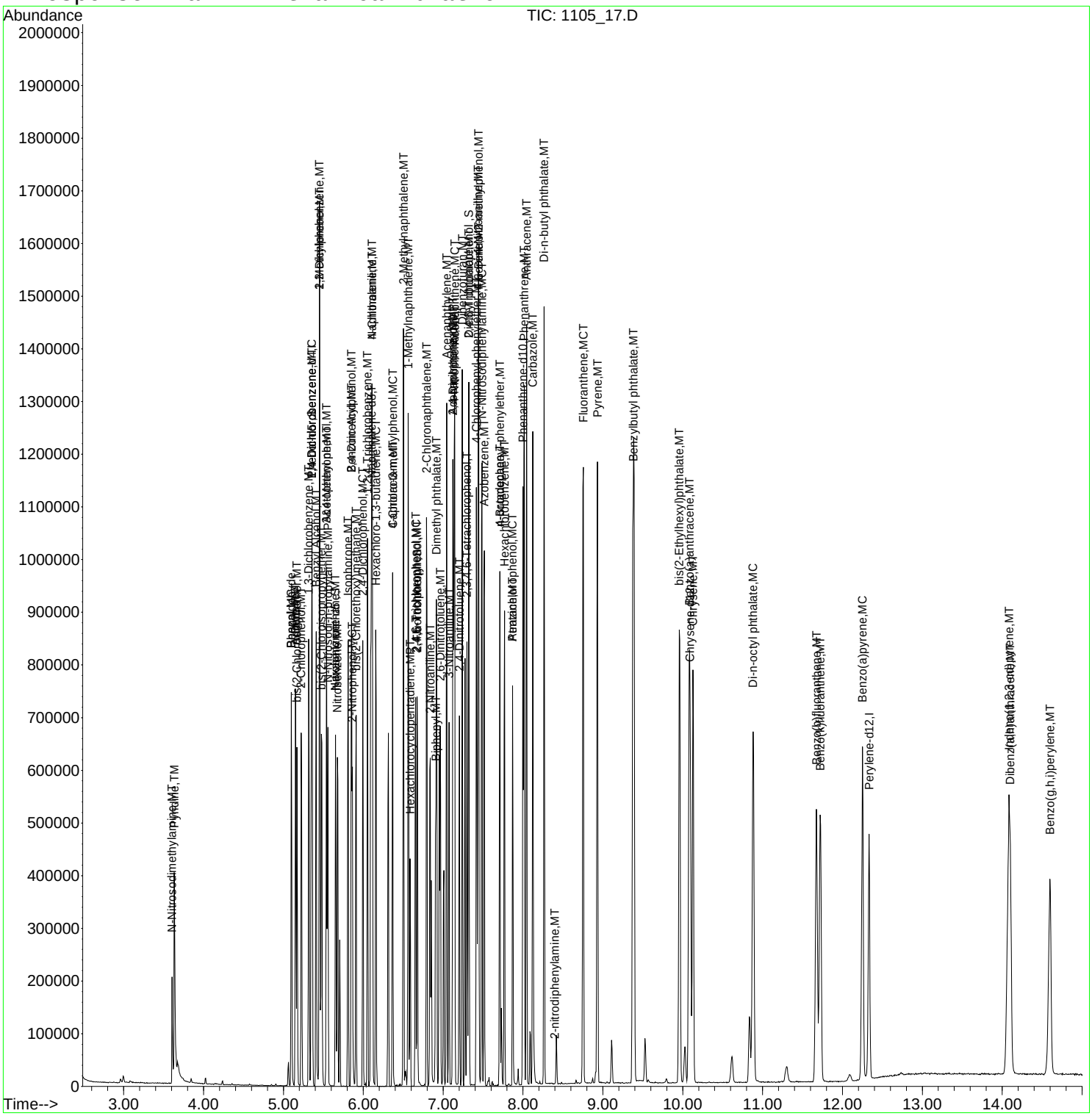
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_17.D Vial: 17
Acq On : 5 Nov 2011 5:09 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:54 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



8270D SSCV REPORT

Sample Name SSCV SVMS 10000 ppb 11G20057
Data File Name 1105_17.D
Acquired 5 Nov 2011 5:09 pm

	Name	amount	area	%diff	FLAG
1	1,4-Dichlorobenzene-d4	8000.000	73411		
2	Pyridine	10392.451	134773	3.92	PASS
3	N-Nitrosodimethylamine	9571.612	77025	4.28	PASS
4	2-Fluorophenol	0.000	0	100.00	
5	Aniline	10222.095	193549	2.22	PASS
6	bis(2-Chloroethyl)ether	10119.050	131229	1.19	PASS
7	Phenol-d5	125.695	1733	98.74	
8	Phenol	10332.329	167918	3.32	PASS
9	Benzaldehyde	240.542	2359	97.59	
10	2-Chlorophenol	10392.544	133566	3.93	PASS
11	n-Decane	1391.263	11437	86.09	
12	1,3-Dichlorobenzene	10377.047	148969	3.77	PASS
13	1,4-Dichlorobenzene	10418.250	149942	4.18	PASS
14	Benzyl Alcohol	11309.631	127881	13.10	PASS
15	1,2-Dichlorobenzene	10305.937	137291	3.06	PASS
16	bis(2-Chloroisopropyl)ether	10860.054	46394	8.60	PASS
17	2-Methylphenol	10760.320	126691	7.60	PASS
18	Hexachloroethane	10155.735	60263	1.56	PASS
19	N-Nitrosodi-n-propylamine	10312.191	101704	3.12	PASS
20	3&4-Methyl phenol	10500.740	136600	5.01	PASS
21	Acetophenone	74.948	1238	99.25	
22	Naphthalene-d8	8000.000	277214	20.00	
23	Nitrobenzene-d5	1011.326	15400	89.89	
24	Nitrobenzene	10988.306	152378	9.88	PASS
25	Isophorone	10189.787	253694	1.90	PASS
26	2-Nitrophenol	11060.917	67781	10.61	PASS
27	2,4-Dimethylphenol	11458.346	133141	14.58	PASS
28	bis(2-Chlorethoxy)methane	11406.879	169078	14.07	PASS
29	2,4-Dichlorophenol	10614.776	104727	6.15	PASS
30	Benzoic Acid	3839.068	7149	61.61	
31	1,2,4-Trichlorobenzene	10211.026	115031	2.11	PASS
32	Naphthalene	10595.306	396220	5.95	PASS
33	4-Chloroaniline	10675.002	51753	6.75	PASS
34	Hexachloro-1,3-butadiene	11268.083	74536	12.68	PASS
35	Caprolactam	985.323	3587	90.15	
36	4-Chloro-3-methylphenol	10949.993	120198	9.50	PASS
37	2-Methylnaphthalene	10664.922	252391	6.65	PASS
38	1-Methylnaphthalene	10262.126	247234	2.62	PASS
39	1,2,4,5-Tetrachlorobenzene	0.000	0	100.00	
40	Acenaphthene-d10	8000.000	156994	20.00	
41	Hexachlorocyclopentadiene	8305.456	47200	16.95	PASS
42	2,4,6-Trichlorophenol	10757.479	77185	7.57	PASS
43	2,4,5-Trichlorophenol	10192.385	76710	1.92	PASS
44	2-Fluorobiphenyl	7.051	185	99.93	
45	Biphenyl	2.278	67	99.98	
46	2-Chloronaphthalene	10528.225	242058	5.28	PASS
47	2-Nitroaniline	10861.689	81229	8.62	PASS
48	Acenaphthylene	10218.837	366200	2.19	PASS
49	Dimethyl phthalate	10049.634	270549	0.50	PASS
50	2,6-Dinitrotoluene	10839.409	64256	8.39	PASS
51	3-Nitroaniline	10854.593	63846	8.55	PASS
52	Acenaphthene	10325.329	239108	3.25	PASS

53	2,4-Dinitrophenol	11695.593	23860	16.96	PASS
54	Dibenzofuran	10163.447	326092	1.63	PASS
55	2,4-Dinitrotoluene	10767.256	82060	7.67	PASS
56	2,3,4,6-Tetrachlorophenol	12129.535	59894	21.30	
57	4-Nitrophenol	9880.103	45312	1.20	PASS
58	Fluorene	10327.109	275105	3.27	PASS
59	4-Chlorophenyl-phenylether	9825.128	119386	1.75	PASS
60	Diethyl phthalate	10650.441	292668	6.50	PASS
61	4-Nitroaniline	11584.178	55680	15.84	PASS
62	Azobenzene	10468.945	309919	4.69	PASS
63	Atrazine	1405.830	10407	85.94	
64	Phenanthrene-d10	8000.000	245398	20.00	
65	4,6-Dinitro-2-methylphenol	10168.340	36861	1.68	PASS
66	N-Nitrosodiphenylamine	10811.135	229773	8.11	PASS
67	2,4,6-Tribromophenol	47.409	153	99.53	
68	4-Bromophenyl-phenylether	10545.321	73954	5.45	PASS
69	Hexachlorobenzene	10169.582	78673	1.70	PASS
70	n-octadecane	219.194	1066	97.81	
71	Pentachlorophenol	10075.410	50200	0.75	PASS
72	Phenanthrene	10640.736	390409	6.41	PASS
73	Anthracene	10734.615	377303	7.35	PASS
74	Carbazole	10285.960	341007	2.86	PASS
75	Di-n-butyl phthalate	10544.040	491647	5.44	PASS
76	2-nitrodiphenylamine	12.674	120	99.87	
77	Fluoranthene	10181.076	401077	1.81	PASS
78	Benzidine	0.000	0	100.00	
79	Chrysene-d12	8000.000	213406	20.00	
80	Pyrene	11098.305	423213	10.98	PASS
81	p-Terphenyl-d14	0.000	0	100.00	
82	Benzylbutyl phthalate	11702.865	221640	17.03	PASS
83	3,3-Dichlorobenzidine	0.000	0	100.00	
84	Benzo(a)anthracene	10390.462	346268	3.90	PASS
85	Chrysene	10361.086	325238	3.61	PASS
86	bis(2-Ethylhexyl)phthalate	11124.077	307663	11.24	PASS
87	Di-n-octyl phthalate	11114.538	518976	11.15	PASS
88	Perylene-d12	8000.000	212336	20.00	
89	Benzo(b)fluoranthene	10505.061	340699	5.05	PASS
90	Benzo(k)fluoranthene	11069.072	340497	10.69	PASS
91	Benzo(a)pyrene	11004.738	338727	10.05	PASS
92	Indeno(1,2,3-cd)pyrene	11011.227	366066	10.11	PASS
93	Dibenz(a,h)anthracene	11155.909	291770	11.56	PASS
94	Benzo(g,h,i)perylene	11197.814	310703	11.98	PASS

		AREA	**CAL AREA**	**%Ratio**	**FLAG**
					>50 <200
1	1,4-Dichlorobenzene-d4	73411	70038	104.82	PASS
22	Naphthalene-d8	277214	266010	104.21	PASS
40	Acenaphthene-d10	156994	150183	104.54	PASS
64	Phenanthrene-d10	245398	222957	110.07	PASS
78	Chrysene-d12	213406	207116	103.04	PASS
88	Perylene-d12	212336	218901	97.00	PASS

		Sample RT	**CAL RT**	**DIFF**	**FLAG**
					+/- 30sec
1	1,4-Dichlorobenzene-d4	5.35	5.351	0.00	PASS
22	Naphthalene-d8	6.10	6.098	0.00	PASS
40	Acenaphthene-d10	7.12	7.122	0.00	PASS
64	Phenanthrene-d10	8.00	7.998	0.00	PASS
78	Chrysene-d12	10.10	10.092	0.35	PASS
88	Perylene-d12	12.33	12.333	0.00	PASS

8270C SSCV REPORT

Sample Name SSCV SVMS 10000 ppb 11G20057
Data File Name 1105_17.D
Acquired 5 Nov 2011 5:09 pm

CCC=*
SPCC=**

	Name	amount	area	daily rf	%diff	FLAG
1	1,4-Dichlorobenzene-d4	8000.000	73411			
2	Pyridine	10392.451	134773	0.734	3.92	PASS
3	N-Nitrosodimethylamine	9571.612	77025	0.420	4.28	PASS
4	2-Fluorophenol	0.000	0		100.00	
5	Aniline	10222.095	193549	1.055	2.22	PASS
6	bis(2-Chloroethyl)ether	10119.050	131229	0.715	1.19	PASS
7	Phenol-d5	125.695	1733		98.74	
8	Phenol	10332.329	167918	0.915	3.32	**PASS***
9	Benzaldehyde	240.542	2359		97.59	
10	2-Chlorophenol	10392.544	133566	0.728	3.93	PASS
11	n-Decane	1391.263	11437		86.09	
12	1,3-Dichlorobenzene	10377.047	148969	0.812	3.77	PASS
13	1,4-Dichlorobenzene	10418.250	149942	0.817	4.18	**PASS***
14	Benzyl Alcohol	11309.631	127881	0.697	13.10	PASS
15	1,2-Dichlorobenzene	10305.937	137291	0.748	3.06	PASS
16	bis(2-Chloroisopropyl)ether	10860.054	46394	0.253	8.60	PASS
17	2-Methylphenol	10760.320	126691	0.690	7.60	PASS
18	Hexachloroethane	10155.735	60263	0.328	1.56	PASS
19	N-Nitrosodi-n-propylamine	10312.191	101704	0.554	3.12	**PASS****
20	3&4-Methyl phenol	10500.740	136600	0.744	5.01	PASS
21	Acetophenone	74.948	1238		99.25	
22	Naphthalene-d8	8000.000	277214		20.00	
23	Nitrobenzene-d5	1011.326	15400		89.89	
24	Nitrobenzene	10988.306	152378	0.220	9.88	PASS
25	Isophorone	10189.787	253694	0.366	1.90	PASS
26	2-Nitrophenol	11060.917	67781	0.098	10.61	**PASS***
27	2,4-Dimethylphenol	11458.346	133141	0.192	14.58	PASS
28	bis(2-Chlorethoxy)methane	11406.879	169078	0.244	14.07	PASS
29	2,4-Dichlorophenol	10614.776	104727	0.151	6.15	**PASS***
30	Benzoic Acid	3839.068	7149		61.61	
31	1,2,4-Trichlorobenzene	10211.026	115031	0.166	2.11	PASS
32	Naphthalene	10595.306	396220	0.572	5.95	PASS
33	4-Chloroaniline	10675.002	51753	0.075	6.75	PASS
34	Hexachloro-1,3-butadiene	11268.083	74536	0.108	12.68	**PASS***
35	Caprolactam	985.323	3587		90.15	
36	4-Chloro-3-methylphenol	10949.993	120198	0.173	9.50	**PASS***
37	2-Methylnaphthalene	10664.922	252391	0.364	6.65	PASS
38	1-Methylnaphthalene	10262.126	247234	0.357	2.62	PASS
39	1,2,4,5-Tetrachlorobenzene	0.000	0		100.00	
40	Acenaphthene-d10	8000.000	156994		20.00	
41	Hexachlorocyclopentadiene	8305.456	47200	0.120	16.95	**PASS****
42	2,4,6-Trichlorophenol	10757.479	77185	0.197	7.57	**PASS***
43	2,4,5-Trichlorophenol	10192.385	76710	0.195	1.92	PASS
44	2-Fluorobiphenyl	7.051	185		99.93	
45	Biphenyl	2.278	67		99.98	
46	2-Chloronaphthalene	10528.225	242058	0.617	5.28	PASS
47	2-Nitroaniline	10861.689	81229	0.207	8.62	PASS
48	Acenaphthylene	10218.837	366200	0.933	2.19	PASS
49	Dimethyl phthalate	10049.634	270549	0.689	0.50	PASS
50	2,6-Dinitrotoluene	10839.409	64256	0.164	8.39	PASS
51	3-Nitroaniline	10854.593	63846	0.163	8.55	PASS

52	Acenaphthene	10325.329	239108	0.609	3.25	**PASS***
53	2,4-Dinitrophenol	11695.593	23860	0.061	16.96	**PASS****
54	Dibenzofuran	10163.447	326092	0.831	1.63	PASS
55	2,4-Dinitrotoluene	10767.256	82060	0.209	7.67	PASS
56	2,3,4,6-Tetrachlorophenol	12129.535	59894		21.30	
57	4-Nitrophenol	9880.103	45312	0.115	1.20	**PASS****
58	Fluorene	10327.109	275105	0.701	3.27	PASS
59	4-Chlorophenyl-phenylether	9825.128	119386	0.304	1.75	PASS
60	Diethyl phthalate	10650.441	292668	0.746	6.50	PASS
61	4-Nitroaniline	11584.178	55680	0.142	15.84	PASS
62	Azobenzene	10468.945	309919	0.790	4.69	PASS
63	Atrazine	1405.830	10407		85.94	
64	Phenanthrene-d10	8000.000	245398		20.00	
65	4,6-Dinitro-2-methylphenol	10168.340	36861	0.060	1.68	PASS
66	N-Nitrosodiphenylamine	10811.135	229773	0.375	8.11	**PASS***
67	2,4,6-Tribromophenol	47.409	153		99.53	
68	4-Bromophenyl-phenylether	10545.321	73954	0.121	5.45	PASS
69	Hexachlorobenzene	10169.582	78673	0.128	1.70	PASS
70	n-octadecane	219.194	1066		97.81	
71	Pentachlorophenol	10075.410	50200	0.082	0.75	**PASS***
72	Phenanthrene	10640.736	390409	0.636	6.41	PASS
73	Anthracene	10734.615	377303	0.615	7.35	PASS
74	Carbazole	10285.960	341007	0.556	2.86	PASS
75	Di-n-butyl phthalate	10544.040	491647	0.801	5.44	PASS
76	2-nitrodiphenylamine	12.674	120		99.87	
77	Fluoranthene	10181.076	401077	0.654	1.81	**PASS***
78	Benzidine	0.000	0		100.00	
79	Chrysene-d12	8000.000	213406		20.00	
80	Pyrene	11098.305	423213	0.793	10.98	PASS
81	p-Terphenyl-d14	0.000	0		100.00	
82	Benzylbutyl phthalate	11702.865	221640	0.415	17.03	PASS
83	3,3-Dichlorobenzidine	0.000	0		100.00	
84	Benzo(a)anthracene	10390.462	346268	0.649	3.90	PASS
85	Chrysene	10361.086	325238	0.610	3.61	PASS
86	bis(2-Ethylhexyl)phthalate	11124.077	307663	0.577	11.24	PASS
87	Di-n-octyl phthalate	11114.538	518976	0.973	11.15	**PASS***
88	Perylene-d12	8000.000	212336		20.00	
89	Benzo(b)fluoranthene	10505.061	340699	0.642	5.05	PASS
90	Benzo(k)fluoranthene	11069.072	340497	0.641	10.69	PASS
91	Benzo(a)pyrene	11004.738	338727	0.638	10.05	**PASS***
92	Indeno(1,2,3-cd)pyrene	11011.227	366066	0.690	10.11	PASS
93	Dibenz(a,h)anthracene	11155.909	291770	0.550	11.56	PASS
94	Benzo(g,h,i)perylene	11197.814	310703	0.585	11.98	PASS

		AREA	**CAL AREA**	**%Ratio**	**FLAG**
					>50 <200
1	1,4-Dichlorobenzene-d4	73411	70038	104.82	PASS
22	Naphthalene-d8	277214	266010	104.21	PASS
40	Acenaphthene-d10	156994	150183	104.54	PASS
64	Phenanthrene-d10	245398	222957	110.07	PASS
78	Chrysene-d12	213406	207116	103.04	PASS
88	Perylene-d12	212336	218901	97.00	PASS

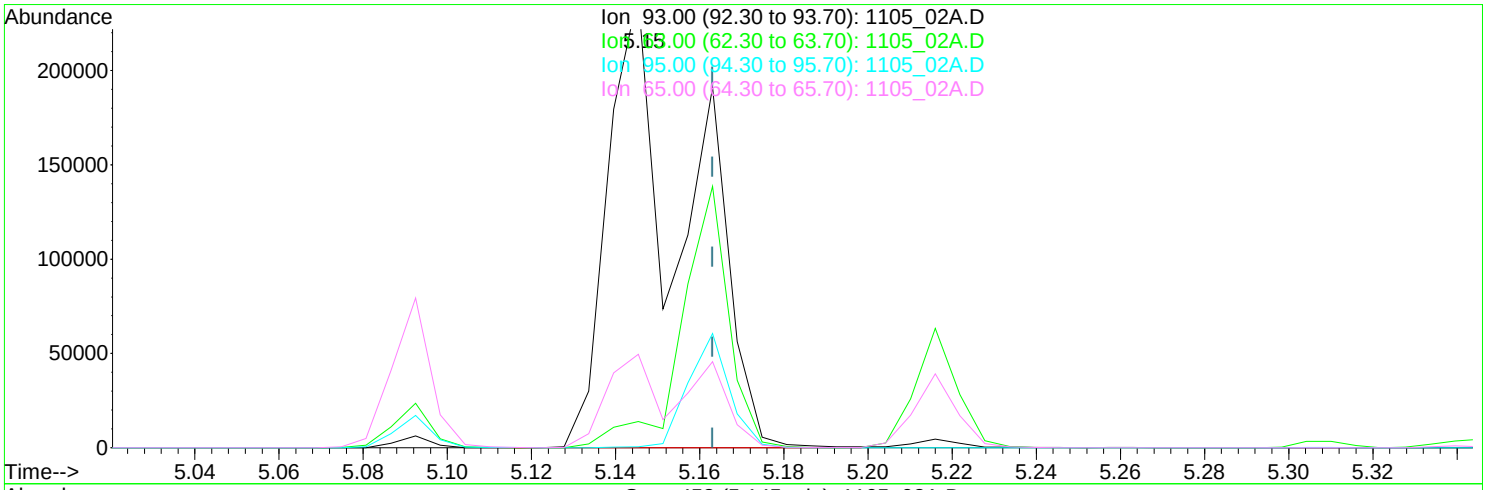
		Sample RT	**CAL RT**	**DIFF**	**FLAG**
					+/- 30sec
1	1,4-Dichlorobenzene-d4	5.35	5.351	0.00	PASS
22	Naphthalene-d8	6.10	6.098	0.00	PASS
40	Acenaphthene-d10	7.12	7.122	0.00	PASS
64	Phenanthrene-d10	8.00	7.998	0.00	PASS
78	Chrysene-d12	10.10	10.092	0.35	PASS
88	Perylene-d12	12.33	12.333	0.00	PASS

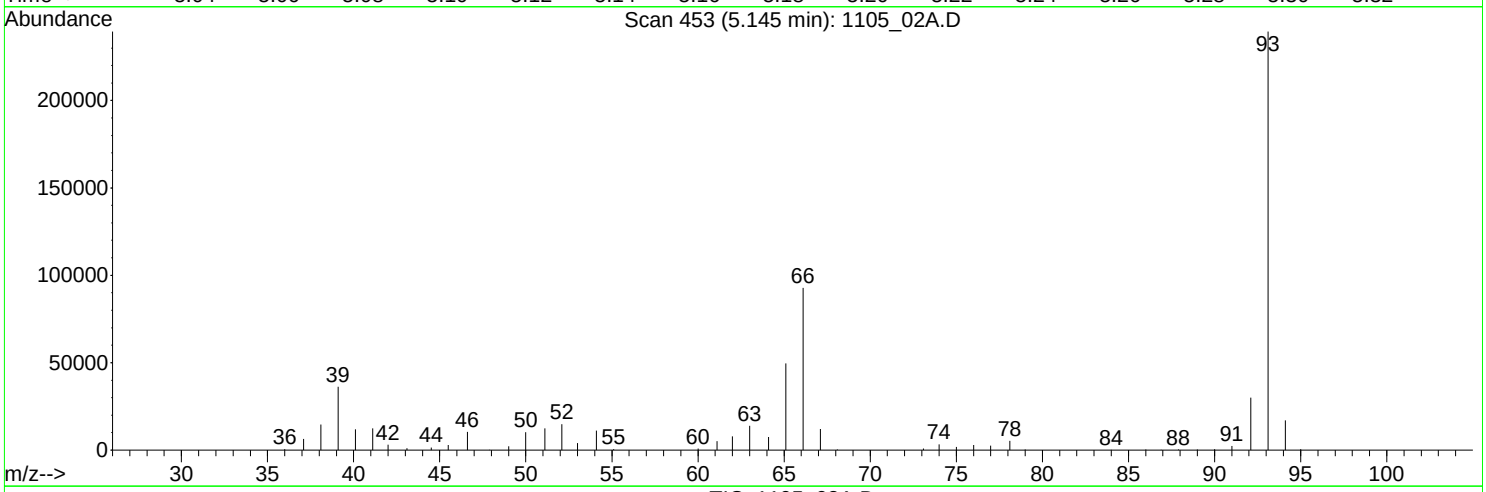
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02A.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:56 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_02A.D

(6) bis(2-Chloroethyl)ether (MT)

5.15min (-0.018) 24515.9567444 ppb

Qvalue = 40

response 315142

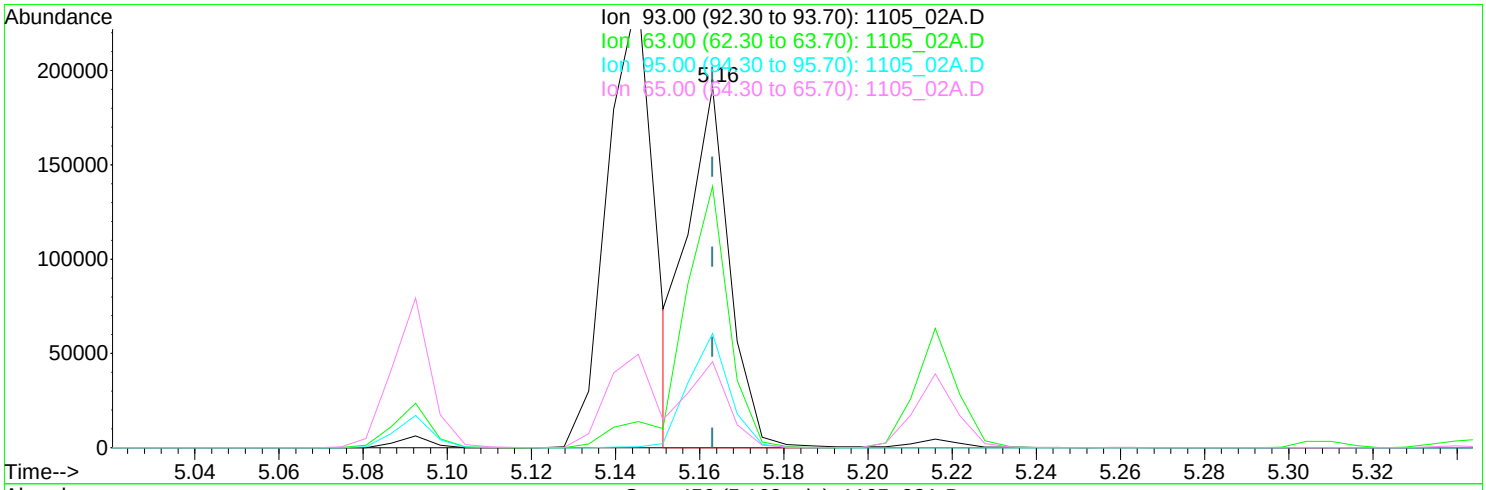
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	5.79#
95.00	31.70	0.25#
65.00	23.80	20.59

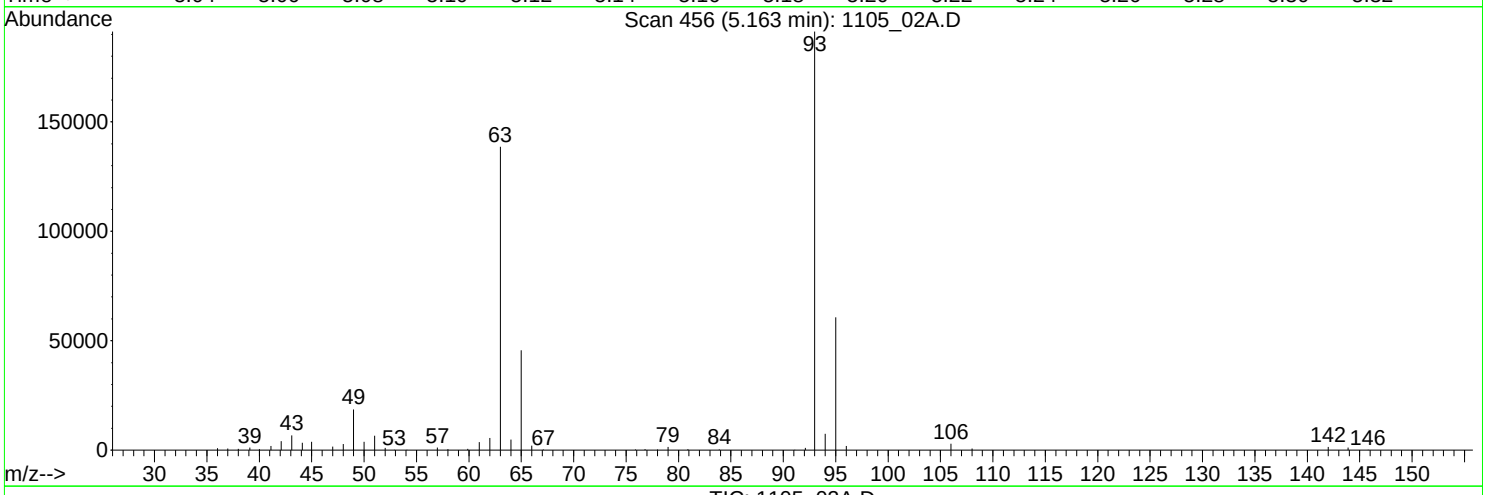
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02A.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:56 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_02A.D

(6) bis(2-Chloroethyl)ether (MT)

5.16min (0.000) 10135.2308118 ppb m

response 130284

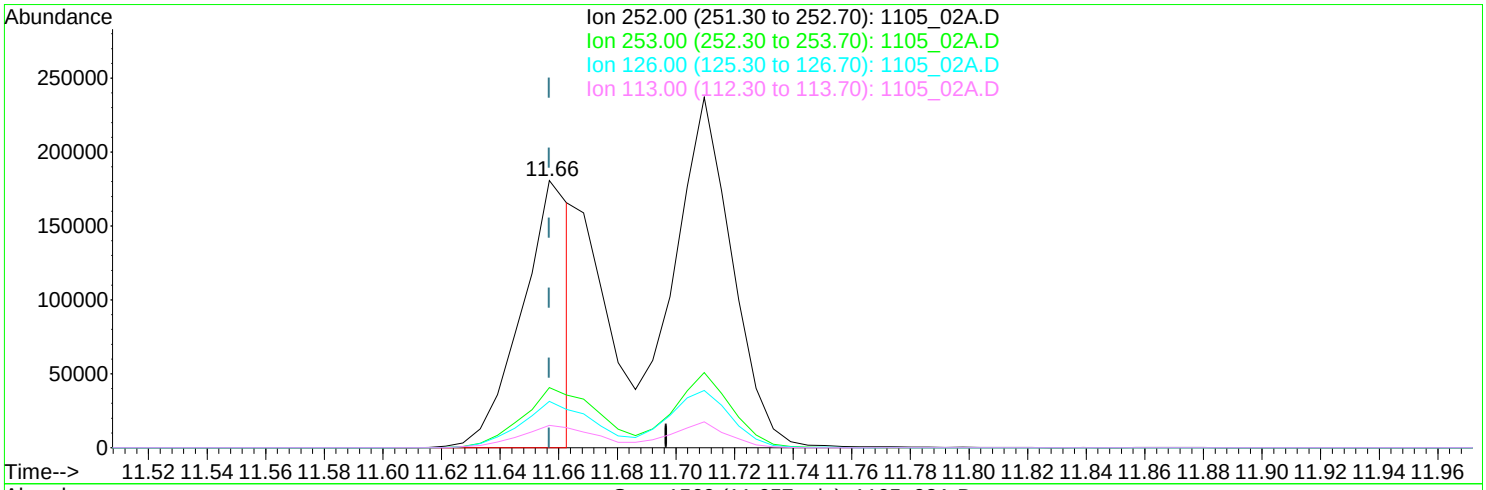
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	72.47
95.00	31.70	31.70
65.00	23.80	23.82

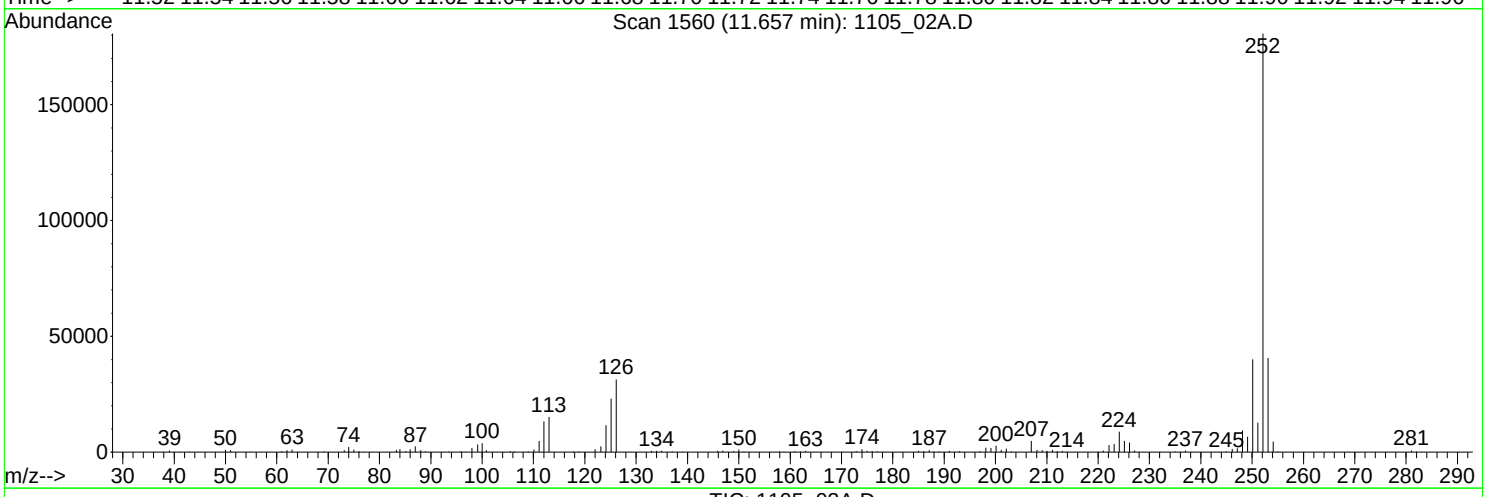
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02A.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:56 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_02A.D

(89) Benzo(b)fluoranthene (MT)

11.66min (0.000) 5988.7944243 ppb

Qvalue = 98

response 209780

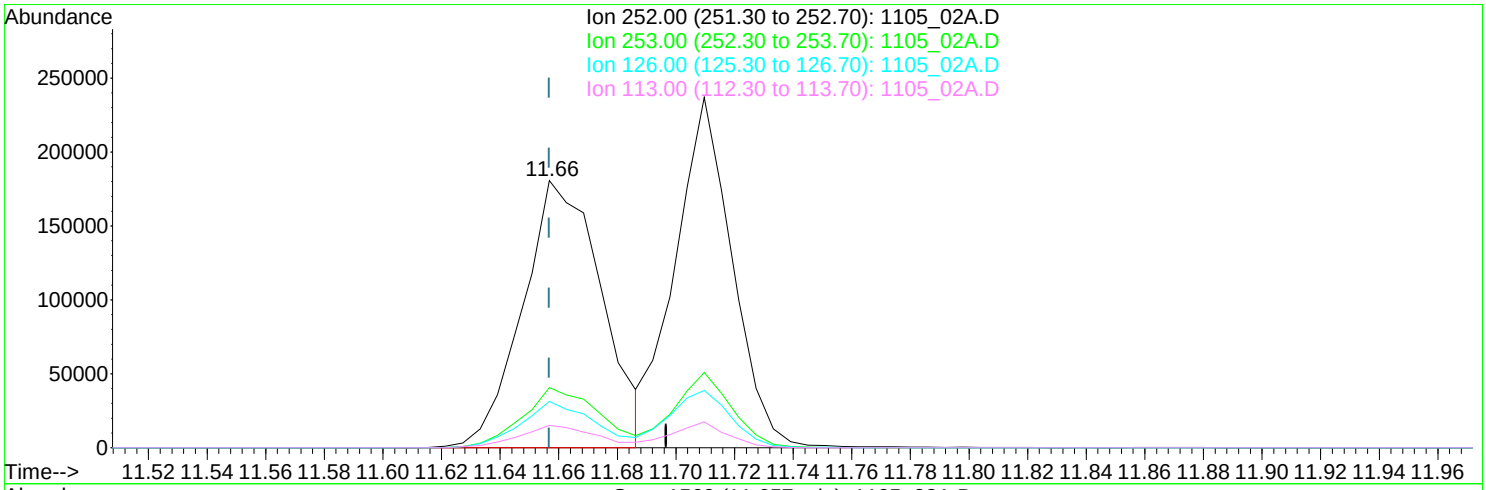
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.18
126.00	17.40	18.85
113.00	8.40	8.55

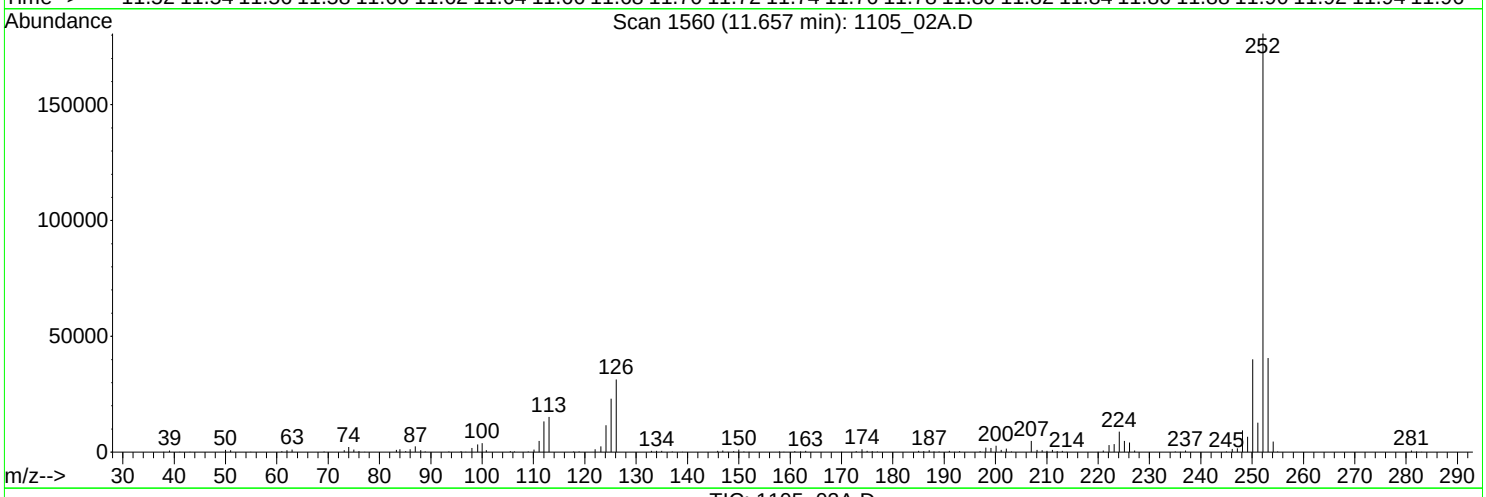
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02A.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:56 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_02A.D

(89) Benzo(b)fluoranthene (MT)

11.66min (0.000) 9659.8072178 ppb m

response 338371

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.46
126.00	17.40	17.39
113.00	8.40	8.43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02A.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377
Sample : MRL SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:56 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.34	152	72766	8000.00 ppb	-0.01
22) Naphthalene-d8	6.09	136	283169	8000.00 ppb	-0.01
40) Acenaphthene-d10	7.12	164	154192	8000.00 ppb	0.00
64) Phenanthrene-d10	7.99	188	241922	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	221195	8000.00 ppb	0.00
88) Perylene-d12	12.32	264	229338	8000.00 ppb	-0.01

System Monitoring Compounds					
4) 2-Fluorophenol	4.55	112	114596	10032.1819623 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 50160.91%#		
7) Phenol-d5	5.09	99	133013	9733.0256940 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 48665.13%#		
23) Nitrobenzene-d5	5.66	82	157895	10150.9863098 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 101509.86%#		
44) 2-Fluorobiphenyl	6.70	172	265276	10294.0030057 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 102940.03%#		
67) 2,4,6-Tribromophenol	7.57	330	32339	10164.6807073 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 50823.40%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 97898.45%#		

Target Compounds					Qvalue
2) Pyridine	3.62	79	129253	10055.1451227 ppb	100
3) N-Nitrosodimethylamine	3.59	42	75155	9422.0168173 ppb	96
5) Aniline	5.15	93	184694	9840.8909529 ppb	100
6) bis(2-Chloroethyl)ether	5.16	93	130284m	10135.2308118 ppb	
8) Phenol	5.09	94	160023	9933.8139266 ppb	100
9) Benzaldehyde	5.09	105	2858	294.0067842 ppb #	1
10) 2-Chlorophenol	5.22	128	126091	9897.8914936 ppb	100
11) n-Decane	5.20	41	85651	10511.4368698 ppb	100
12) 1,3-Dichlorobenzene	5.31	146	140134	9848.1361658 ppb	100
13) 1,4-Dichlorobenzene	5.35	146	139866	9804.2926290 ppb	100
14) Benzyl Alcohol	5.40	79	109014	9726.5162939 ppb	100
15) 1,2-Dichlorobenzene	5.45	146	132912	10065.6597342 ppb	100
16) bis(2-Chloroisopropyl)ethe	5.47	121	43713	10323.1784012 ppb	100
17) 2-Methylphenol	5.45	108	119863	10270.6331359 ppb	100
18) Hexachloroethane	5.65	117	56971	9686.0584624 ppb	100
19) N-Nitrosodi-n-propylamine	5.55	70	98589	10084.9564692 ppb	100
20) 3&4-Methyl phenol	5.53	107	127245	9868.3056116 ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02A.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377
Sample : MRL SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:56 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
21) Acetophenone	5.53	105	1253	76.5280080 ppb	#	1
24) Nitrobenzene	5.67	77	142530	10061.9973103 ppb		100
25) Isophorone	5.80	82	260012	10223.9276373 ppb		100
26) 2-Nitrophenol	5.85	139	61568	9835.7544308 ppb		100
27) 2,4-Dimethylphenol	5.85	107	127070	10705.8851922 ppb		100
28) bis(2-Chlorethoxy)methane	5.90	93	148169	9786.0294286 ppb		100
29) 2,4-Dichlorophenol	5.99	162	101711	10092.2859769 ppb		100
30) Benzoic Acid	5.85	105	4223	3343.8086909 ppb	#	1
31) 1,2,4-Trichlorobenzene	6.05	180	112749	9797.9823292 ppb		100
32) Naphthalene	6.10	128	381660	9991.3278705 ppb		100
33) 4-Chloroaniline	6.11	65	50468	10191.0277866 ppb		100
34) Hexachloro-1,3-butadiene	6.15	225	66470	9837.3714610 ppb		100
35) Caprolactam	6.36	113	3611	971.0556464 ppb	#	20
36) 4-Chloro-3-methylphenol	6.36	107	112702	10051.1942305 ppb		100
37) 2-Methylnaphthalene	6.50	142	244924	10131.7538884 ppb		100
38) 1-Methylnaphthalene	6.56	142	244064	9917.5024272 ppb		100
39) 1,2,4,5-Tetrachlorobenzene	6.59	216	557	53.1672187 ppb	#	90
41) Hexachlorocyclopentadiene	6.58	237	61017	10931.8474500 ppb		100
42) 2,4,6-Trichlorophenol	6.65	196	73129	10377.3972316 ppb		100
43) 2,4,5-Trichlorophenol	6.67	196	76634	10367.3205324 ppb		100
45) Biphenyl	6.76	154	298924	10348.9789981 ppb		100
46) 2-Chloronaphthalene	6.79	162	223314	9889.4668635 ppb		100
47) 2-Nitroaniline	6.83	138	72230	9833.8840414 ppb		100
48) Acenaphthylene	7.04	152	356885	10139.8763012 ppb		100
49) Dimethyl phthalate	6.91	163	261194	9878.4482669 ppb		100
50) 2,6-Dinitrotoluene	6.96	165	58163	9989.8717158 ppb		100
51) 3-Nitroaniline	7.07	138	59835	10357.5337264 ppb		100
52) Acenaphthene	7.14	153	232967	10242.9589312 ppb		100
53) 2,4-Dinitrophenol	7.12	184	15405	9161.9379038 ppb		100
54) Dibenzofuran	7.23	168	311398	9881.8423344 ppb		100
55) 2,4-Dinitrotoluene	7.20	165	76218	10182.4502724 ppb		100
56) 2,3,4,6-Tetrachlorophenol	7.29	232	58878	12140.4590301 ppb		98
57) 4-Nitrophenol	7.13	139	41382	9187.1527976 ppb		100
58) Fluorene	7.44	166	266402	10182.1377699 ppb		100
59) 4-Chlorophenyl-phenylether	7.41	204	119799	10038.2782828 ppb		100
60) Diethyl phthalate	7.32	149	272070	10080.7820257 ppb		100
62) Azobenzene	7.50	77	299956	10316.5263445 ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02A.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377
Sample : MRL SVMS 10000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:56 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	7.86	200	9492	1305.5283904 ppb	#	40
65)	4,6-Dinitro-2-methylphenol	7.44	198	31500	8814.3266968 ppb		100
66)	N-Nitrosodiphenylamine	7.47	169	214210	10223.6903689 ppb		100
68)	4-Bromophenyl-phenylether	7.70	248	68446	9900.1524689 ppb		100
69)	Hexachlorobenzene	7.76	284	78021	10230.2106659 ppb		100
70)	n-octadecane	7.83	55	52935	11041.0654598 ppb		100
71)	Pentachlorophenol	7.86	266	46852	9548.8935656 ppb		100
72)	Phenanthrene	8.01	178	358140	9901.4852832 ppb		100
73)	Anthracene	8.04	178	366140	10566.6915974 ppb		100
74)	Carbazole	8.12	167	327316	10014.8499317 ppb		100
75)	Di-n-butyl phthalate	8.26	149	488089	10618.1375270 ppb		100
76)	2-nitrodiphenylamine	0.00	167	0	N.D.		
77)	Fluoranthene	8.75	202	400828	10320.9489342 ppb		100
79)	Benzidine	0.00	184	0	N.D.		
80)	Pyrene	8.93	202	394645	9984.7124958 ppb		100
82)	Benzylbutyl phthalate	9.37	149	201877	10284.0038597 ppb		100
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.		
84)	Benzo(a)anthracene	10.07	228	339053	9815.7030378 ppb		100
85)	Chrysene	10.12	228	320917	9863.4315934 ppb		100
86)	bis(2-Ethylhexyl)phthalate	9.95	149	297545	10379.4108652 ppb		100
87)	Di-n-octyl phthalate	10.86	149	500514	10341.6938377 ppb		100
89)	Benzo(b)fluoranthene	11.66	252	338371m	9659.8072178 ppb		
90)	Benzo(k)fluoranthene	11.71	252	322727	9713.6135548 ppb		100
91)	Benzo(a)pyrene	12.24	252	323551	9732.4066586 ppb		100
92)	Indeno(1,2,3-cd)pyrene	14.06	276	362635	10099.3552401 ppb		100
94)	Benzo(g,h,i)perylene	14.59	276	312457	10426.1906087 ppb		100

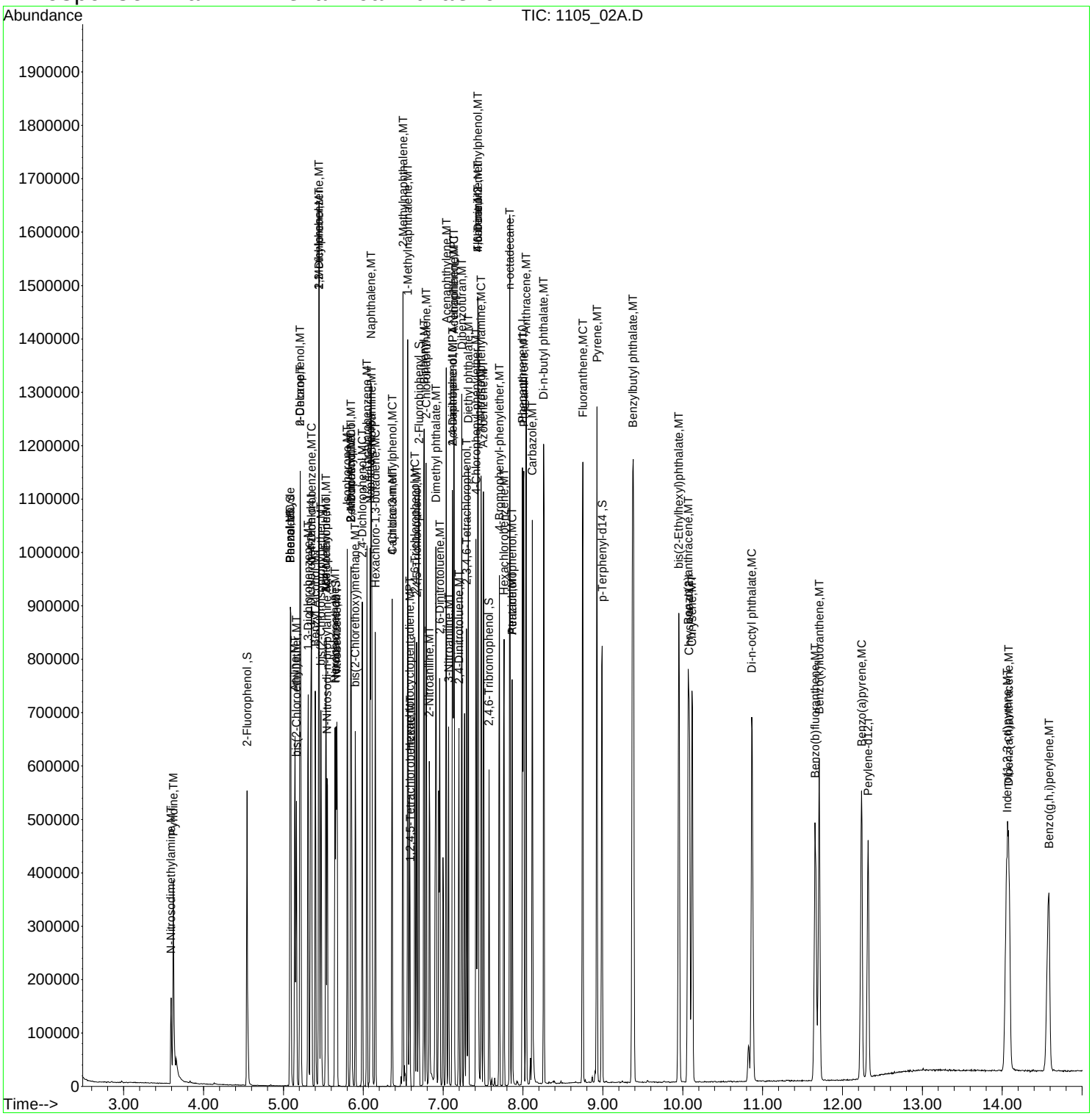
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_02A.D Vial: 2
Acq On : 5 Nov 2011 12:11 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:56 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



MRL CALIBRATION REPORT

Sample Name MRL SVMS 10000 ppb 11G20058
Data File Name 1105_02A.D
Acquired 11/5/2011 12:11

level **10000** ppb

	Name	amount	area	%diff	30% Linear	40% MN	50% 8270D	Fit**
1	1,4-Dichlorobenzene-d4	8000.000	72766					
2	Pyridine	10055.145	129253	0.55	PASS	PASS	PASS	1
3	N-Nitrosodimethylamine	9422.017	75155	5.78	PASS	PASS	PASS	1
4	2-Fluorophenol	10032.182	114596	0.32	PASS	PASS	PASS	1
5	Aniline	9840.891	184694	1.59	PASS	PASS	PASS	1
6	bis(2-Chloroethyl)ether	10135.231	130284	1.35	PASS	PASS	PASS	1
7	Phenol-d5	9733.026	133013	2.67	PASS	PASS	PASS	1
8	Phenol	9933.814	160023	0.66	PASS	PASS	PASS	1
9	Benzaldehyde	294.007	2858	97.06	FAIL*	FAIL*	FAIL*	1
10	2-Chlorophenol	9897.891	126091	1.02	PASS	PASS	PASS	1
11	n-Decane	10511.437	85651	5.11	PASS	PASS	PASS	1
12	1,3-Dichlorobenzene	9848.136	140134	1.52	PASS	PASS	PASS	1
13	1,4-Dichlorobenzene	9804.293	139866	1.96	PASS	PASS	PASS	1
14	Benzyl Alcohol	9726.516	109014	2.73	PASS	PASS	PASS	1
15	1,2-Dichlorobenzene	10065.660	132912	0.66	PASS	PASS	PASS	1
16	bis(2-Chloroisopropyl)ether	10323.178	43713	3.23	PASS	PASS	PASS	1
17	2-Methylphenol	10270.633	119863	2.71	PASS	PASS	PASS	1
18	Hexachloroethane	9686.058	56971	3.14	PASS	PASS	PASS	1
19	N-Nitrosodi-n-propylamine	10084.956	98589	0.85	PASS	PASS	PASS	1
20	3&4-Methyl phenol	9868.306	127245	1.32	PASS	PASS	PASS	1
21	Acetophenone	76.528	1253	99.23	FAIL*	FAIL*	FAIL*	1
22	Naphthalene-d8	8000.000	283169	20.00				
23	Nitrobenzene-d5	10150.986	157895	1.51	PASS	PASS	PASS	1
24	Nitrobenzene	10061.997	142530	0.62	PASS	PASS	PASS	1
25	Isophorone	10223.928	260012	2.24	PASS	PASS	PASS	1
26	2-Nitrophenol	9835.754	61568	1.64	PASS	PASS	PASS	1
27	2,4-Dimethylphenol	10705.885	127070	7.06	PASS	PASS	PASS	1
28	bis(2-Chlorethoxy)methane	9786.029	148169	2.14	PASS	PASS	PASS	1
29	2,4-Dichlorophenol	10092.286	101711	0.92	PASS	PASS	PASS	1
30	Benzoic Acid	3343.809	4223	66.56	FAIL*	FAIL*	FAIL*	3
31	1,2,4-Trichlorobenzene	9797.982	112749	2.02	PASS	PASS	PASS	1
32	**Naphthalene**	**9991.328**	**381660**	**0.09**	**PASS**	**PASS**	**PASS**	**1**
33	4-Chloroaniline	10191.028	50468	1.91	PASS	PASS	PASS	1
34	Hexachloro-1,3-butadiene	9837.371	66470	1.63	PASS	PASS	PASS	1
35	Caprolactam	971.056	3611	90.29	FAIL*	FAIL*	FAIL*	1
36	4-Chloro-3-methylphenol	10051.194	112702	0.51	PASS	PASS	PASS	1
37	**2-Methylnaphthalene**	**10131.754**	**244924**	**1.32**	**PASS**	**PASS**	**PASS**	**1**
38	**1-Methylnaphthalene**	**9917.502**	**244064**	**0.82**	**PASS**	**PASS**	**PASS**	**1**
39	1,2,4,5-Tetrachlorobenzene	53.167	557	99.47	FAIL*	FAIL*	FAIL*	1
40	Acenaphthene-d10	8000.000	154192	20.00				
41	Hexachlorocyclopentadiene	10931.847	61017	9.32	PASS	PASS	PASS	1
42	2,4,6-Trichlorophenol	10377.397	73129	3.77	PASS	PASS	PASS	1
43	2,4,5-Trichlorophenol	10367.321	76634	3.67	PASS	PASS	PASS	1
44	2-Fluorobiphenyl	10294.003	265276	2.94	PASS	PASS	PASS	1
45	Biphenyl	10348.979	298924	3.49	PASS	PASS	PASS	1
46	2-Chloronaphthalene	9889.467	223314	1.11	PASS	PASS	PASS	1
47	2-Nitroaniline	9833.884	72230	1.66	PASS	PASS	PASS	1
48	**Acenaphthylene**	**10139.876**	**356885**	**1.40**	**PASS**	**PASS**	**PASS**	**1**
49	**Dimethyl phthalate**	**9878.448**	**261194**	**1.22**	**PASS**	**PASS**	**PASS**	**1**
50	2,6-Dinitrotoluene	9989.872	58163	0.10	PASS	PASS	PASS	1
51	3-Nitroaniline	10357.534	59835	3.58	PASS	PASS	PASS	1
52	**Acenaphthene**	**10242.959**	**232967**	**2.43**	**PASS**	**PASS**	**PASS**	**1**
53	2,4-Dinitrophenol	9161.938	15405	8.38	PASS	PASS	PASS	0

54	Dibenzofuran	9881.842	311398	1.18	PASS	PASS	PASS	1
55	2,4-Dinitrotoluene	10182.450	76218	1.82	PASS	PASS	PASS	1
56	2,3,4,6-Tetrachlorophenol	12140.459	58878	21.40	PASS*	PASS*	PASS*	1
57	4-Nitrophenol	9187.153	41382	8.13	PASS	PASS	PASS	1
58	**Fluorene**	**10182.138**	**266402**	**1.82**	**PASS**	**PASS**	**PASS**	**1**
59	4-Chlorophenyl-phenylether	10038.278	119799	0.38	PASS	PASS	PASS	1
60	**Diethyl phthalate**	**10080.782**	**272070**	**0.81**	**PASS**	**PASS**	**PASS**	**1**
61	4-Nitroaniline	9378.132	44272	6.22	PASS	PASS	PASS	1
62	Azobenzene	10316.526	299956	3.17	PASS	PASS	PASS	1
63	Atrazine	1305.528	9492	86.94	FAIL*	FAIL*	FAIL*	1
64	Phenanthrene-d10	8000.000	241922	20.00				
65	4,6-Dinitro-2-methylphenol	8814.327	31500	11.86	PASS	PASS	PASS	1
66	N-Nitrosodiphenylamine	10223.690	214210	2.24	PASS	PASS	PASS	1
67	2,4,6-Tribromophenol	10164.681	32339	1.65	PASS	PASS	PASS	1
68	4-Bromophenyl-phenylether	9900.152	68446	1.00	PASS	PASS	PASS	1
69	**Hexachlorobenzene**	**10230.211**	**78021**	**2.30**	**PASS**	**PASS**	**PASS**	**1**
70	n-octadecane	11041.065	52935	10.41	PASS	PASS	PASS	1
71	Pentachlorophenol	9548.894	46852	4.51	PASS	PASS	PASS	0
72	**Phenanthrene**	**9901.485**	**358140**	**0.99**	**PASS**	**PASS**	**PASS**	**1**
73	**Anthracene**	**10566.692**	**366140**	**5.67**	**PASS**	**PASS**	**PASS**	**1**
74	Carbazole	10014.850	327316	0.15	PASS	PASS	PASS	1
75	**Di-n-butyl phthalate**	**10618.138**	**488089**	**6.18**	**PASS**	**PASS**	**PASS**	**1**
76	2-nitrodiphenylamine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
77	**Fluoranthene**	**10320.949**	**400828**	**3.21**	**PASS**	**PASS**	**PASS**	**1**
78	Benzidine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
79	Chrysene-d12	8000.000	221195	20.00				
80	**Pyrene**	**9984.712**	**394645**	**0.15**	**PASS**	**PASS**	**PASS**	**1**
81	p-Terphenyl-d14	9789.845	217032	2.10	PASS	PASS	PASS	1
82	**Benzylbutyl phthalate**	**10284.004**	**201877**	**2.84**	**PASS**	**PASS**	**PASS**	**1**
83	3,3-Dichlorobenzidine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
84	**Benzo(a)anthracene**	**9815.703**	**339053**	**1.84**	**PASS**	**PASS**	**PASS**	**1**
85	**Chrysene**	**9863.432**	**320917**	**1.37**	**PASS**	**PASS**	**PASS**	**1**
86	**bis(2-Ethylhexyl)phthalate**	**10379.411**	**297545**	**3.79**	**PASS**	**PASS**	**PASS**	**1**
87	**Di-n-octyl phthalate**	**10341.694**	**500514**	**3.42**	**PASS**	**PASS**	**PASS**	**1**
88	Perylene-d12	8000.000	229338	20.00				
89	**Benzo(b)fluoranthene**	**9659.807**	**338371**	**3.40**	**PASS**	**PASS**	**PASS**	**1**
90	**Benzo(k)fluoranthene**	**9713.614**	**322727**	**2.86**	**PASS**	**PASS**	**PASS**	**1**
91	**Benzo(a)pyrene**	**9732.407**	**323551**	**2.68**	**PASS**	**PASS**	**PASS**	**1**
92	**Indeno(1,2,3-cd)pyrene**	**10099.355**	**362635**	**0.99**	**PASS**	**PASS**	**PASS**	**1**
93	**Dibenz(a,h)anthracene**	**10203.829**	**288238**	**2.04**	**PASS**	**PASS**	**PASS**	**1**
94	**Benzo(g,h,i)perylene**	**10426.191**	**312457**	**4.26**	**PASS**	**PASS**	**PASS**	**1**

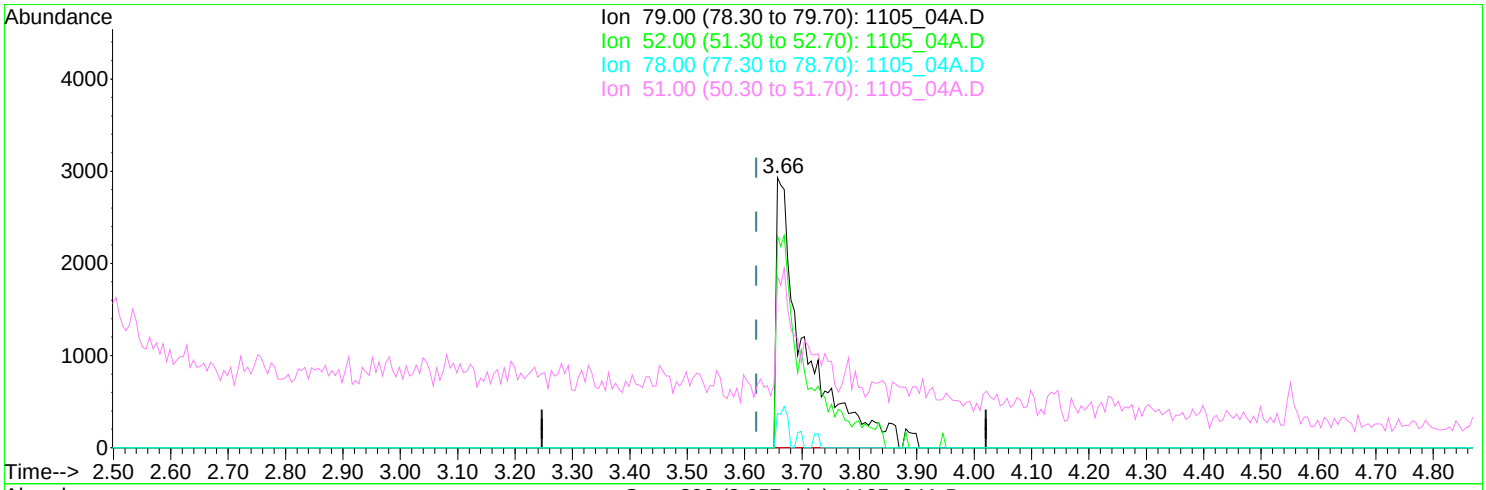
*compounds in 2nd mix
** 1=RSD, 0=Linear regression, 3= Quadratic regression
Bold highlighted compounds require 1000 ppb MRL

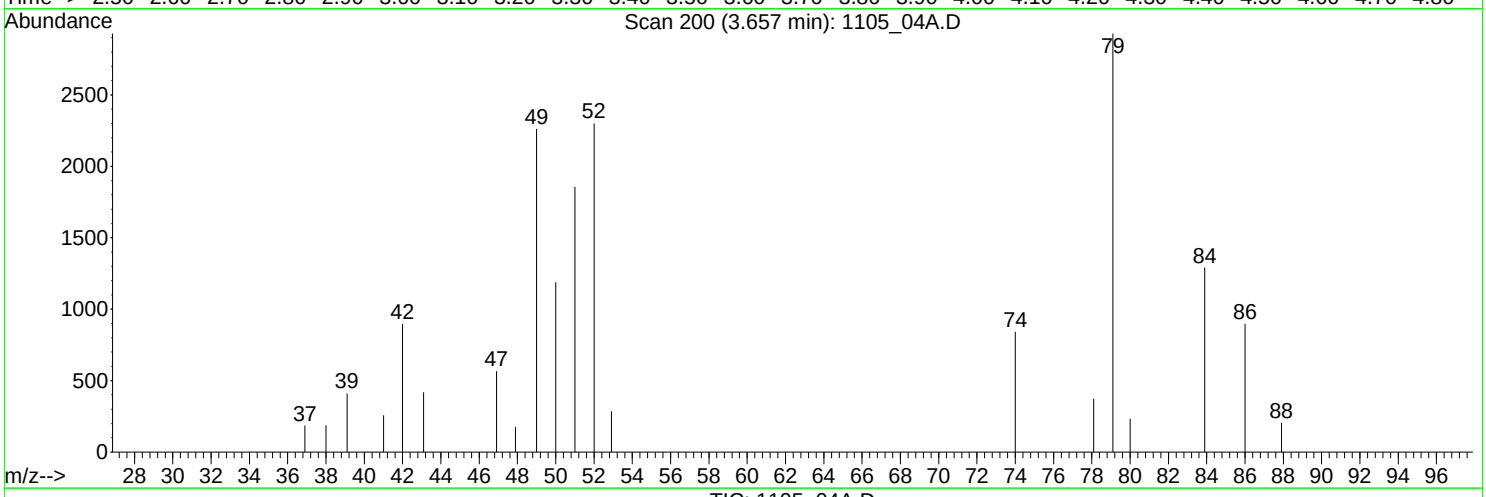
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:57 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_04A.D

(2) Pyridine (TM)

3.66min (+0.036) 832.1679992 ppb

Qvalue = 97

response 10296

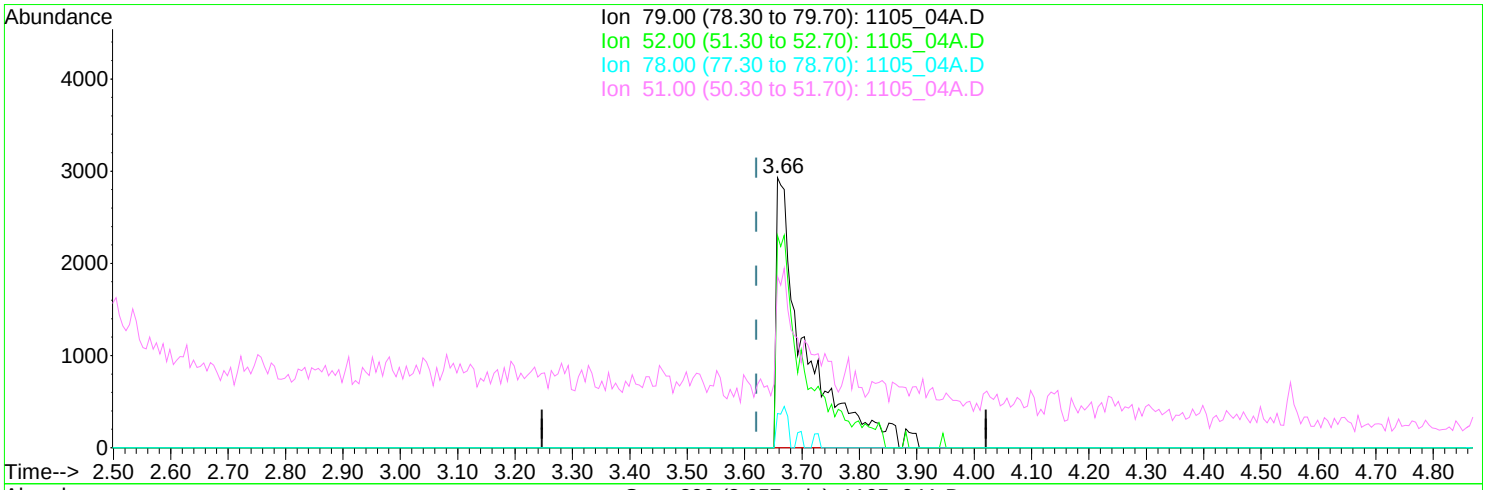
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	78.53
78.00	12.00	12.73
51.00	42.90	44.08

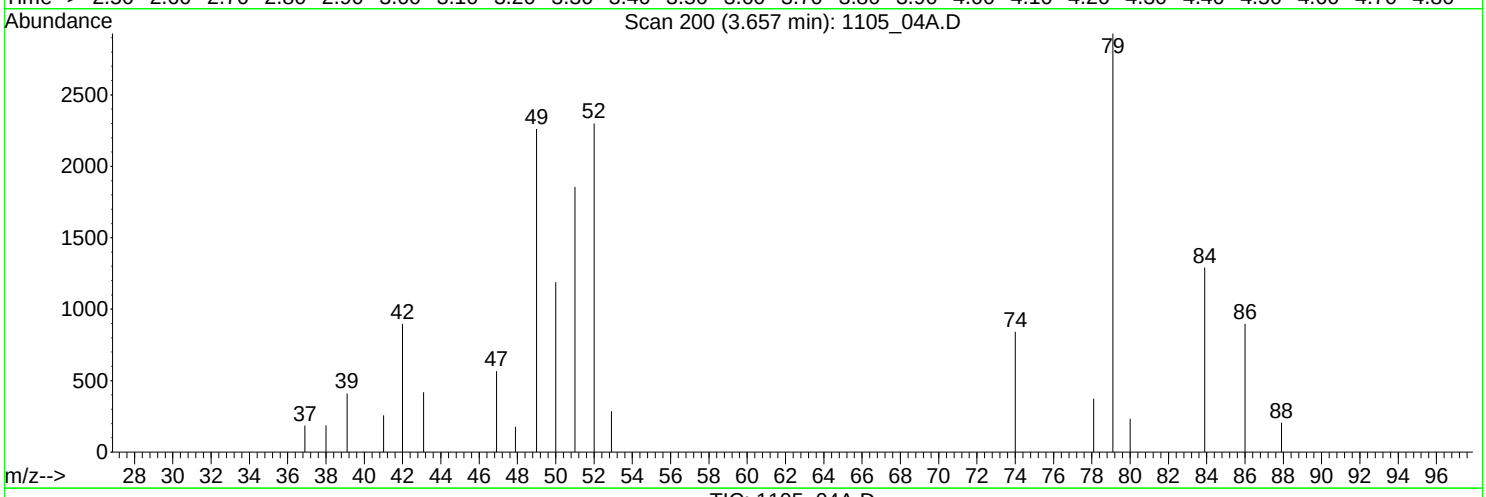
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_04A.D

(2) Pyridine (TM)

3.66min (+0.036) 851.6466791 ppb m

response 10537

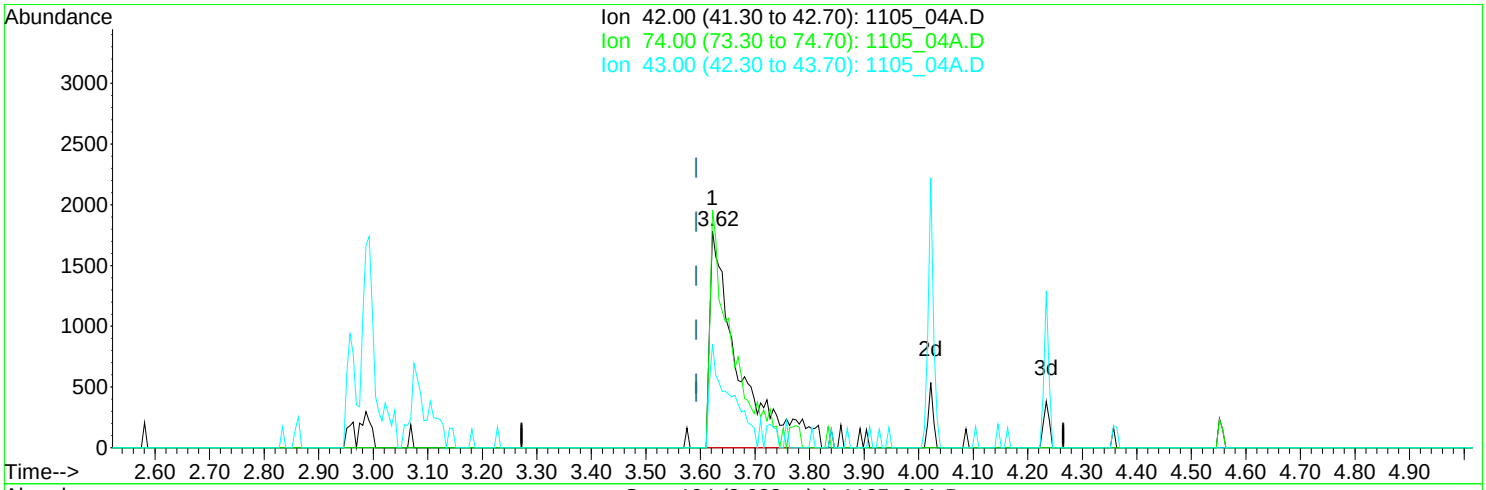
Ion	Exp%	Act%
79.00	100	100
52.00	81.70	78.53
78.00	12.00	12.73
51.00	42.90	63.37#

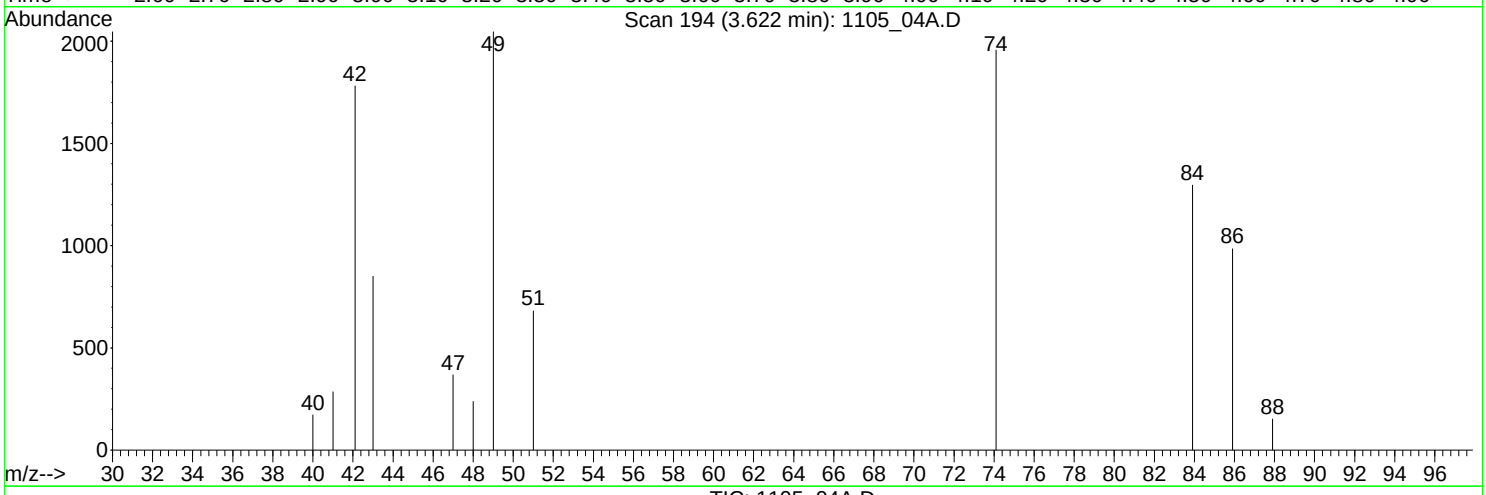
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_04A.D

(3) N-Nitrosodimethylamine (MT)

3.62min (+0.029) 861.3492598 ppb

Qvalue = 86

response 6613

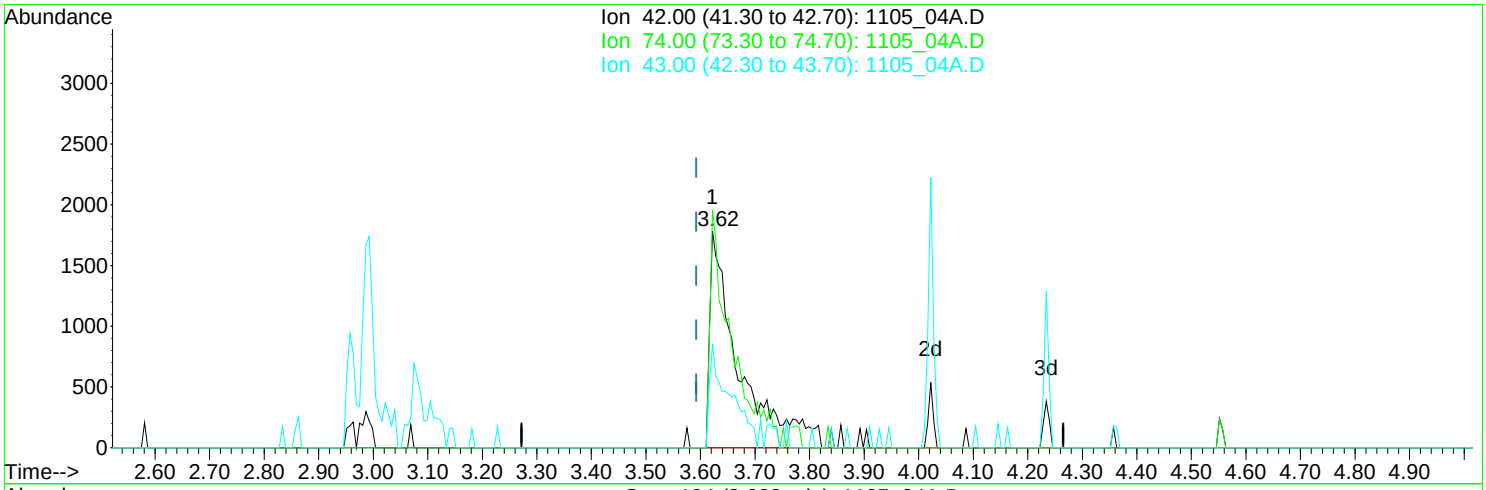
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	80.64
43.00	39.20	33.40
0.00	0.00	0.00

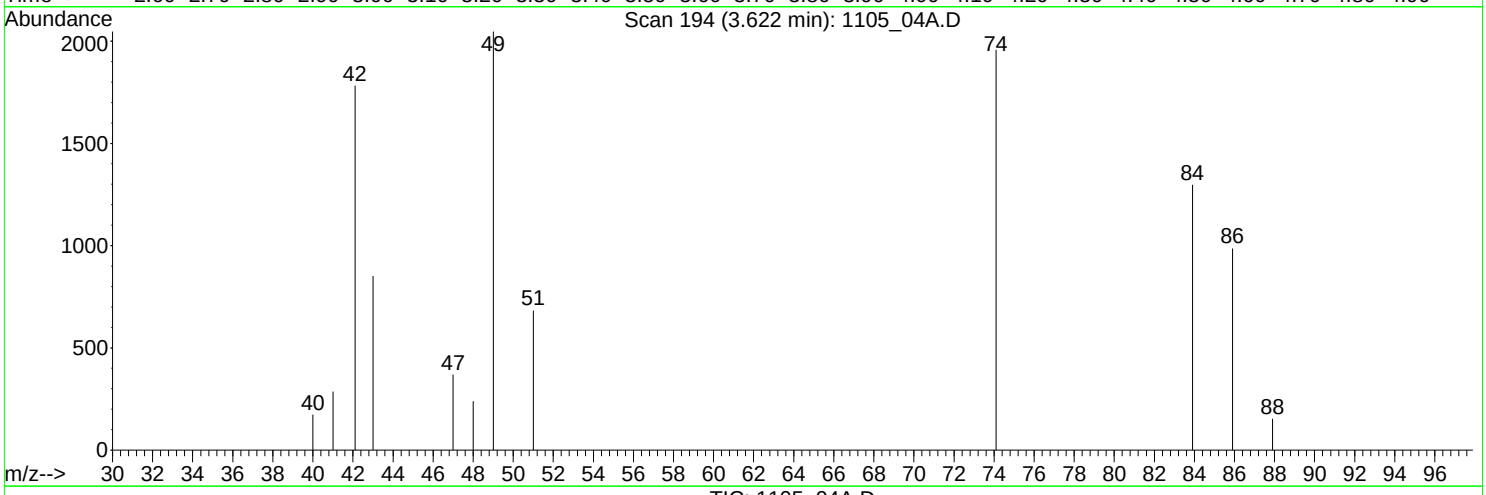
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_04A.D

(3) N-Nitrosodimethylamine (MT)

3.62min (+0.029) 985.3481249 ppb m

response 7565

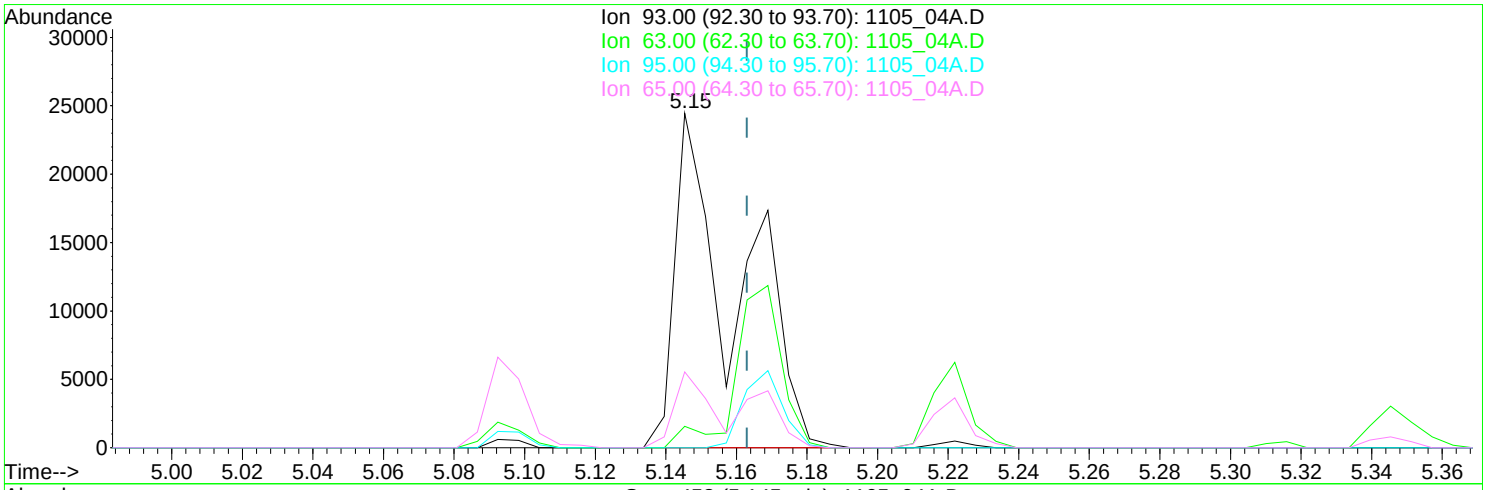
Ion	Exp%	Act%
42.00	100	100
74.00	96.10	70.50#
43.00	39.20	29.20
0.00	0.00	0.00

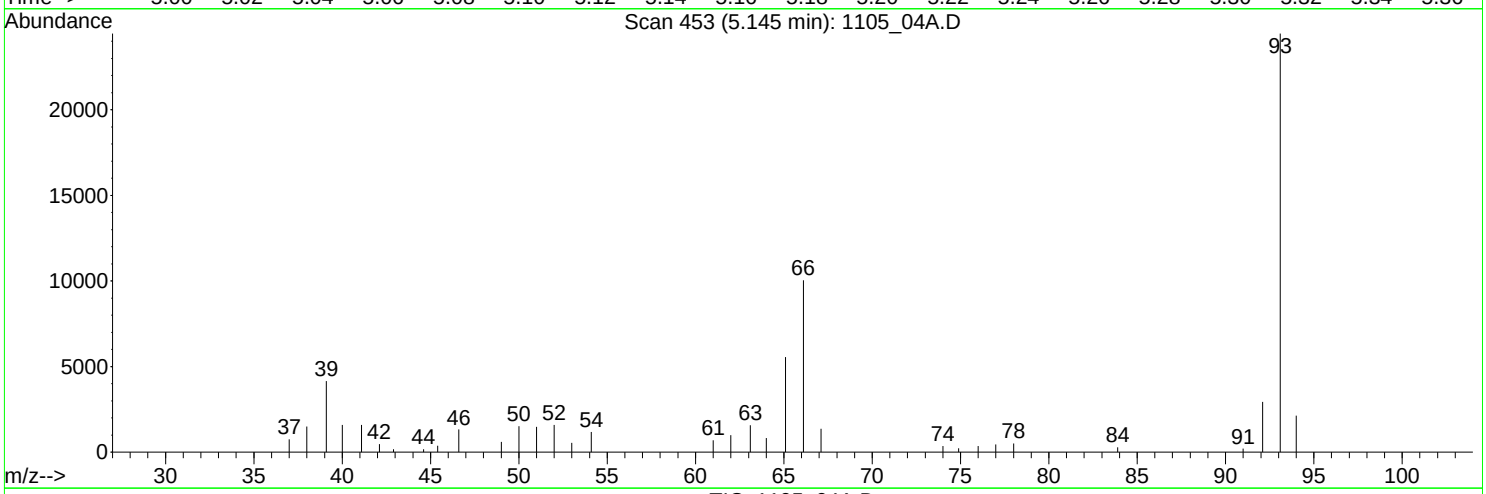
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_04A.D

(6) bis(2-Chloroethyl)ether (MT)

5.15min (-0.018) 2434.7252776 ppb

Qvalue = 41

response 30124

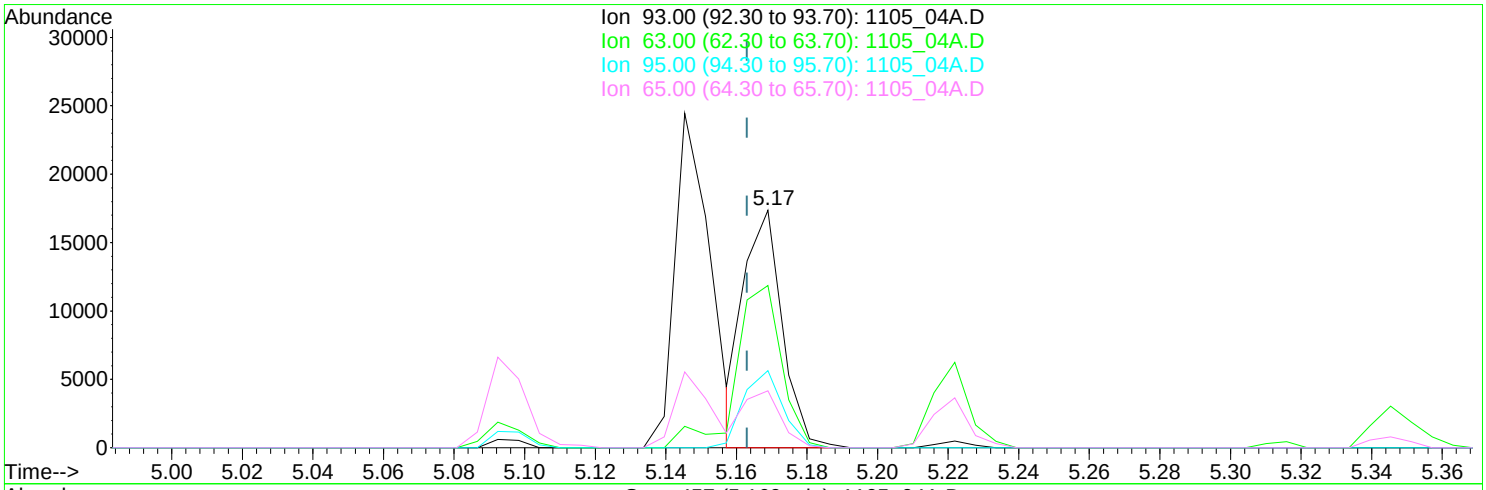
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	6.39#
95.00	31.70	0.00#
65.00	23.80	22.72

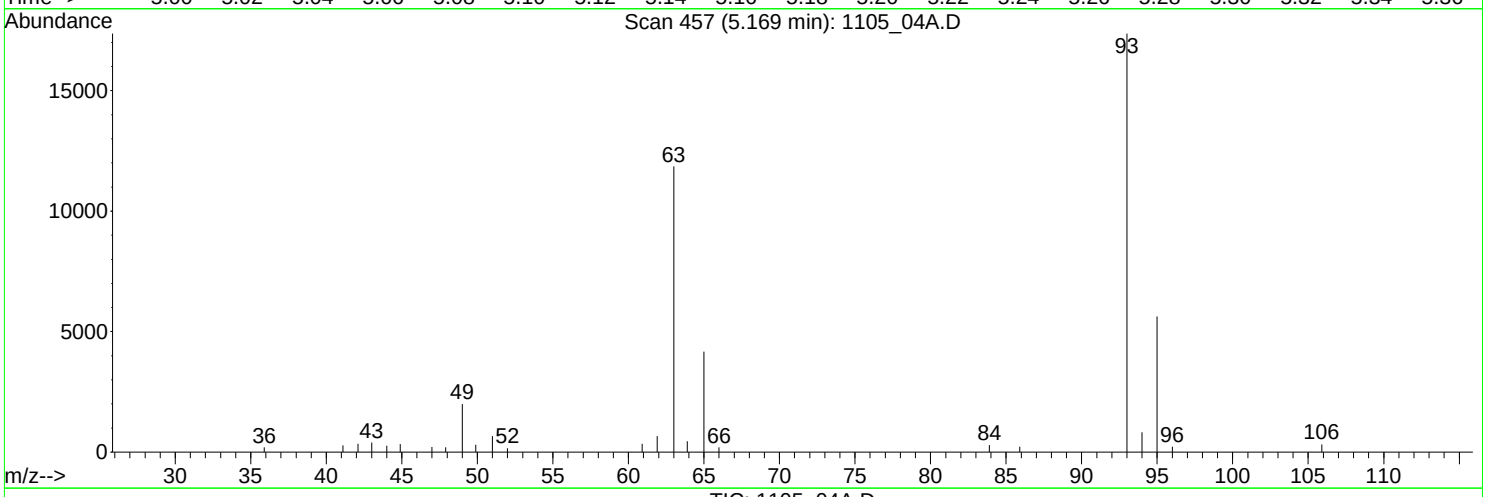
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_04A.D

(6) bis(2-Chloroethyl)ether (MT)

5.17min (+0.006) 1062.4241062 ppb m

response 13145

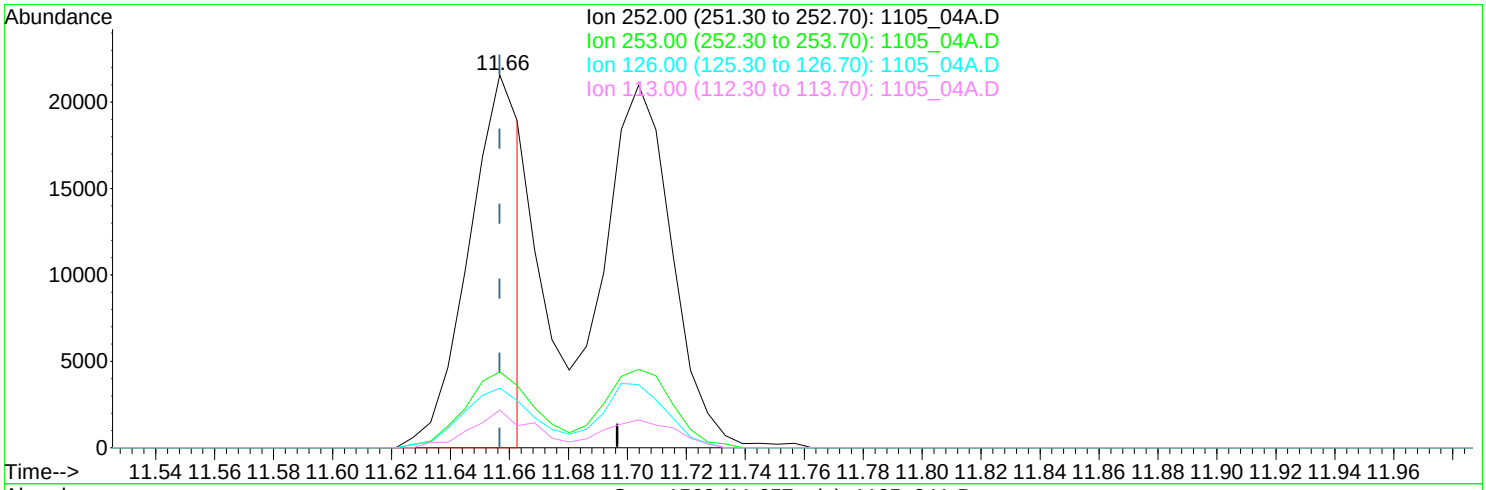
Ion	Exp%	Act%
93.00	100	100
63.00	72.50	68.26
95.00	31.70	32.44
65.00	23.80	24.00

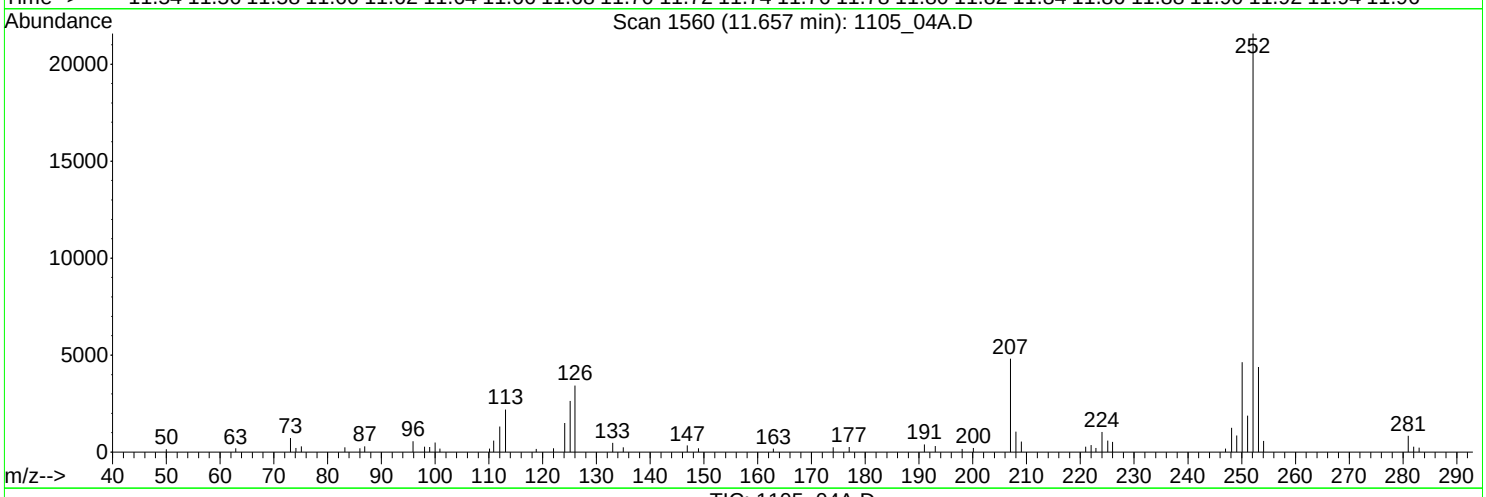
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_04A.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-0.000) 784.3366986 ppb

Qvalue = 97

response 26224

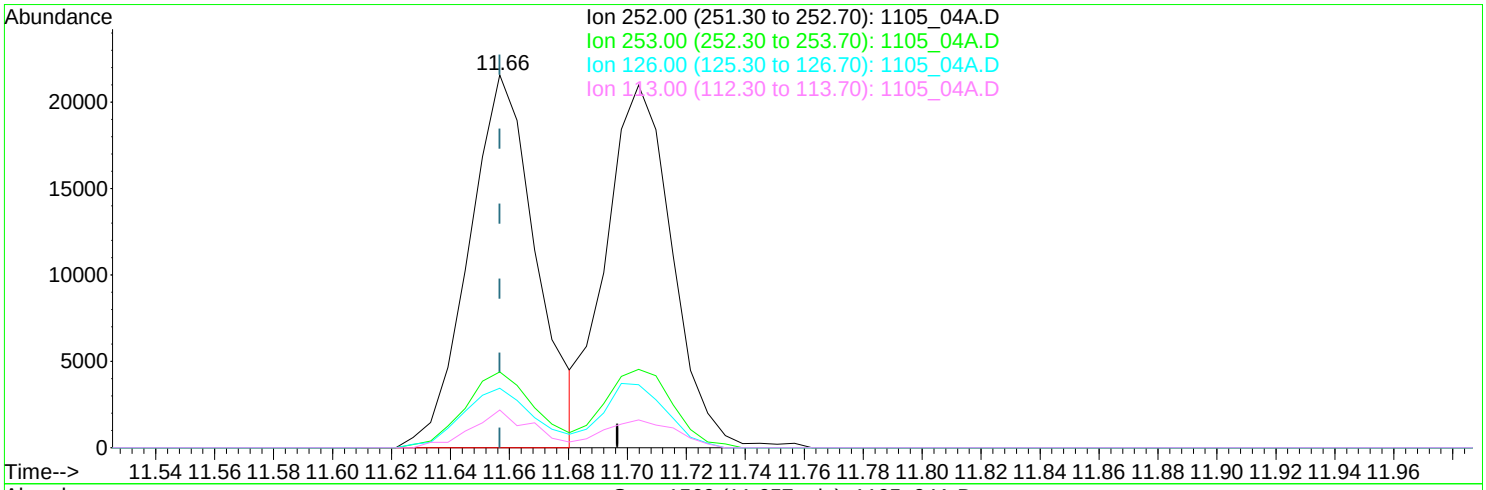
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	21.40
126.00	17.40	17.11
113.00	8.40	11.27

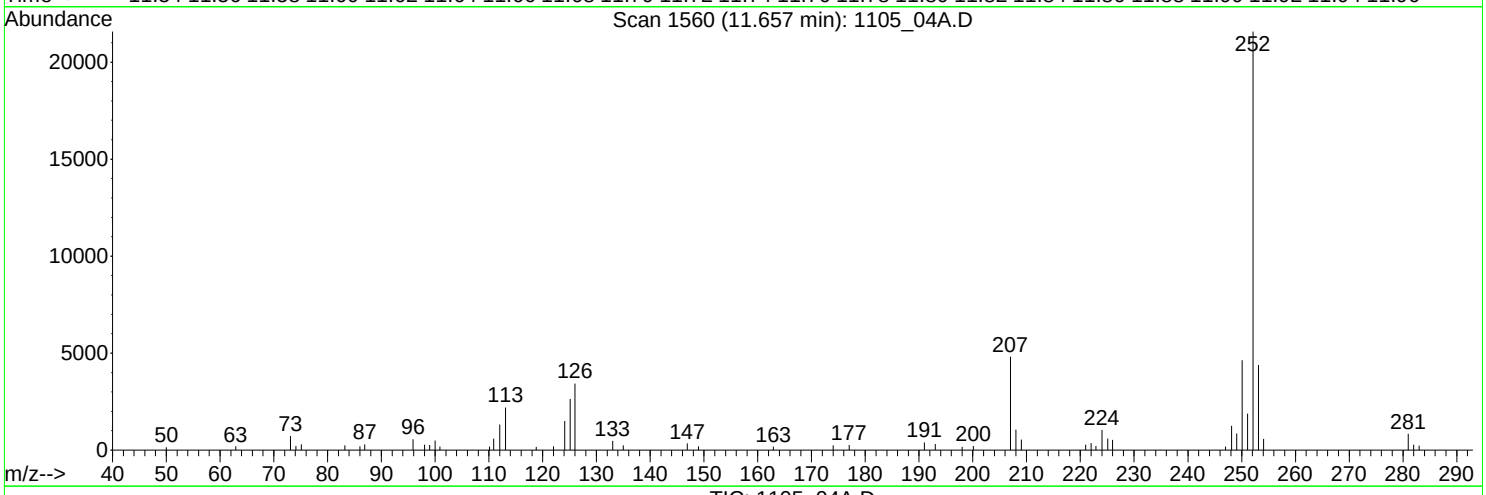
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Multiple Level Calibration





TIC: 1105_04A.D

(89) Benzo(b)fluoranthene (MT)

11.66min (-0.000) 1018.8839984 ppb m

response 34066

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	20.37
126.00	17.40	15.93
113.00	8.40	10.17

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377
Sample : MRL SVMS 1000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	70038	8000.00 ppb	0.00
22) Naphthalene-d8	6.09	136	266010	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	150183	8000.00 ppb	0.00
64) Phenanthrene-d10	7.99	188	222957	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	207116	8000.00 ppb	0.00
88) Perylene-d12	12.32	264	218901	8000.00 ppb	-0.01

System Monitoring Compounds					
4) 2-Fluorophenol	4.55	112	10641	967.8390734 ppb	0.00
Spiked Amount 20.000	Range 10 - 75		Recovery = 4839.20%#		
7) Phenol-d5	5.09	99	13578	1032.2487168 ppb	0.00
Spiked Amount 20.000	Range 10 - 63		Recovery = 5161.24%#		
23) Nitrobenzene-d5	5.66	82	15036	1029.0107823 ppb	0.00
Spiked Amount 10.000	Range 17 - 119		Recovery = 10290.11%#		
44) 2-Fluorobiphenyl	6.70	172	26288	1047.3333737 ppb	0.00
Spiked Amount 10.000	Range 29 - 127		Recovery = 10473.33%#		
67) 2,4,6-Tribromophenol	7.57	330	2874	980.1852677 ppb	0.00
Spiked Amount 20.000	Range 16 - 147		Recovery = 4900.93%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 10280.36%#		

Target Compounds					Qvalue
2) Pyridine	3.66	79	10537m	851.6466791 ppb	
3) N-Nitrosodimethylamine	3.62	42	7565m	985.3481249 ppb	
5) Aniline	5.15	93	16980	939.9701980 ppb	98
6) bis(2-Chloroethyl)ether	5.17	93	13145m	1062.4241062 ppb	
8) Phenol	5.09	94	16023	1033.4089338 ppb	99
9) Benzaldehyde	5.10	105	212	22.6582182 ppb #	1
10) 2-Chlorophenol	5.22	128	12965	1057.3673278 ppb	94
11) n-Decane	5.22	41	8746	1115.1515380 ppb	97
12) 1,3-Dichlorobenzene	5.32	146	14312	1044.9743245 ppb	97
13) 1,4-Dichlorobenzene	5.36	146	14220	1035.6153358 ppb	98
14) Benzyl Alcohol	5.40	79	10494	972.7715697 ppb	100
15) 1,2-Dichlorobenzene	5.45	146	13336	1049.2969368 ppb	99
16) bis(2-Chloroisopropyl)ethe	5.47	121	4210	1032.9509082 ppb	99
17) 2-Methylphenol	5.45	108	11595	1032.2326515 ppb	95
18) Hexachloroethane	5.65	117	5758	1017.0906692 ppb	94
19) N-Nitrosodi-n-propylamine	5.55	70	9705	1031.4207692 ppb	98
20) 3&4-Methyl phenol	5.53	107	13111	1056.4098653 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377
Sample : MRL SVMS 1000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21)	Acetophenone	5.53	105	79	5.0129249	ppb	#	1
24)	Nitrobenzene	5.67	77	14036	1054.7973141	ppb		95
25)	Isophorone	5.80	82	24992	1046.0998293	ppb		93
26)	2-Nitrophenol	5.86	139	5198	883.9682170	ppb		93
27)	2,4-Dimethylphenol	5.85	107	12404	1112.4719088	ppb		94
28)	bis(2-Chlorethoxy)methane	5.90	93	15380	1081.3175383	ppb		95
29)	2,4-Dichlorophenol	5.99	162	10075	1064.1783587	ppb		91
30)	Benzoic Acid	5.85	105	359	2721.5051709	ppb	#	1
31)	1,2,4-Trichlorobenzene	6.05	180	12011	1111.0941579	ppb		96
32)	Naphthalene	6.10	128	40084	1117.0313507	ppb		97
33)	4-Chloroaniline	6.11	65	5708	1226.9690269	ppb		88
34)	Hexachloro-1,3-butadiene	6.16	225	6902	1087.3668553	ppb		96
35)	Caprolactam	6.36	113	272	77.8633845	ppb	#	39
36)	4-Chloro-3-methylphenol	6.36	107	10592	1005.5687270	ppb		97
37)	2-Methylnaphthalene	6.50	142	25312	1114.6217002	ppb		98
38)	1-Methylnaphthalene	6.56	142	26360	1140.2281025	ppb		97
39)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.			
41)	Hexachlorocyclopentadiene	6.59	237	4596	845.4030258	ppb		89
42)	2,4,6-Trichlorophenol	6.65	196	6530	951.3778896	ppb		88
43)	2,4,5-Trichlorophenol	6.67	196	6907	959.3466286	ppb		93
45)	Biphenyl	6.76	154	30011	1066.7391976	ppb		99
46)	2-Chloronaphthalene	6.79	162	24248	1102.4881204	ppb		93
47)	2-Nitroaniline	6.83	138	6842	956.3824634	ppb		94
48)	Acenaphthylene	7.04	152	36908	1076.6286693	ppb		99
49)	Dimethyl phthalate	6.91	163	27067	1051.0096961	ppb		99
50)	2,6-Dinitrotoluene	6.96	165	5729	1010.2596344	ppb		95
51)	3-Nitroaniline	7.07	138	6010	1068.1115197	ppb		98
52)	Acenaphthene	7.14	153	24329	1098.2377024	ppb		97
53)	2,4-Dinitrophenol	7.13	184	109	4336.0954892	ppb	#	1
54)	Dibenzofuran	7.23	168	32939	1073.1824896	ppb		99
55)	2,4-Dinitrotoluene	7.20	165	6821	935.5863246	ppb		96
56)	2,3,4,6-Tetrachlorophenol	7.29	232	5178	1096.1883213	ppb		91
57)	4-Nitrophenol	7.13	139	2823	643.4597820	ppb	#	82
58)	Fluorene	7.44	166	27561	1081.5273970	ppb		99
59)	4-Chlorophenyl-phenylether	7.42	204	12404	1067.1091948	ppb		84
60)	Diethyl phthalate	7.32	149	27820	1058.3072212	ppb		98
62)	Azobenzene	7.51	77	29105	1027.7431903	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377
Sample : MRL SVMS 1000 ppb 11G20058 Inst : BNAMS11
Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	Atrazine	7.86	200	481	67.9226675	ppb	#	1
65)	4,6-Dinitro-2-methylphenol	7.44	198	1213	368.2931510	ppb	#	66
66)	N-Nitrosodiphenylamine	7.48	169	22524	1166.4542712	ppb		95
68)	4-Bromophenyl-phenylether	7.70	248	7124	1118.0776677	ppb		91
69)	Hexachlorobenzene	7.76	284	8233	1171.3466293	ppb		97
70)	n-octadecane	7.83	55	5178	1171.8833004	ppb		97
71)	Pentachlorophenol	7.87	266	3103	866.2218677	ppb		90
72)	Phenanthrene	8.01	178	37726	1131.7292213	ppb		97
73)	Anthracene	8.04	178	35223	1102.9922218	ppb		99
74)	Carbazole	8.12	167	33484	1111.6518527	ppb		99
75)	Di-n-butyl phthalate	8.26	149	47148	1112.9274465	ppb		98
76)	2-nitrodiphenylamine	0.00	167	0	N.D.			
77)	Fluoranthene	8.75	202	38459	1074.5183024	ppb		98
79)	Benzidine	0.00	184	0	N.D.			
80)	Pyrene	8.93	202	39827	1076.1385992	ppb		98
82)	Benzylbutyl phthalate	9.37	149	18163	988.1539872	ppb		97
83)	3,3-Dichlorobenzidine	0.00	252	0	N.D.			
84)	Benzo(a)anthracene	10.07	228	34109	1054.5919749	ppb		96
85)	Chrysene	10.12	228	33875	1111.9269920	ppb		98
86)	bis(2-Ethylhexyl)phthalate	9.95	149	27271	1015.9744026	ppb		98
87)	Di-n-octyl phthalate	10.87	149	43292	955.3109422	ppb		98
89)	Benzo(b)fluoranthene	11.66	252	34066m	1018.8839984	ppb		
90)	Benzo(k)fluoranthene	11.70	252	32847	1035.7847354	ppb		99
91)	Benzo(a)pyrene	12.23	252	31014	977.3802491	ppb		98
92)	Indeno(1,2,3-cd)pyrene	14.05	276	33812	986.5590074	ppb		97
94)	Benzo(g,h,i)perylene	14.57	276	29093	1017.0731371	ppb		95

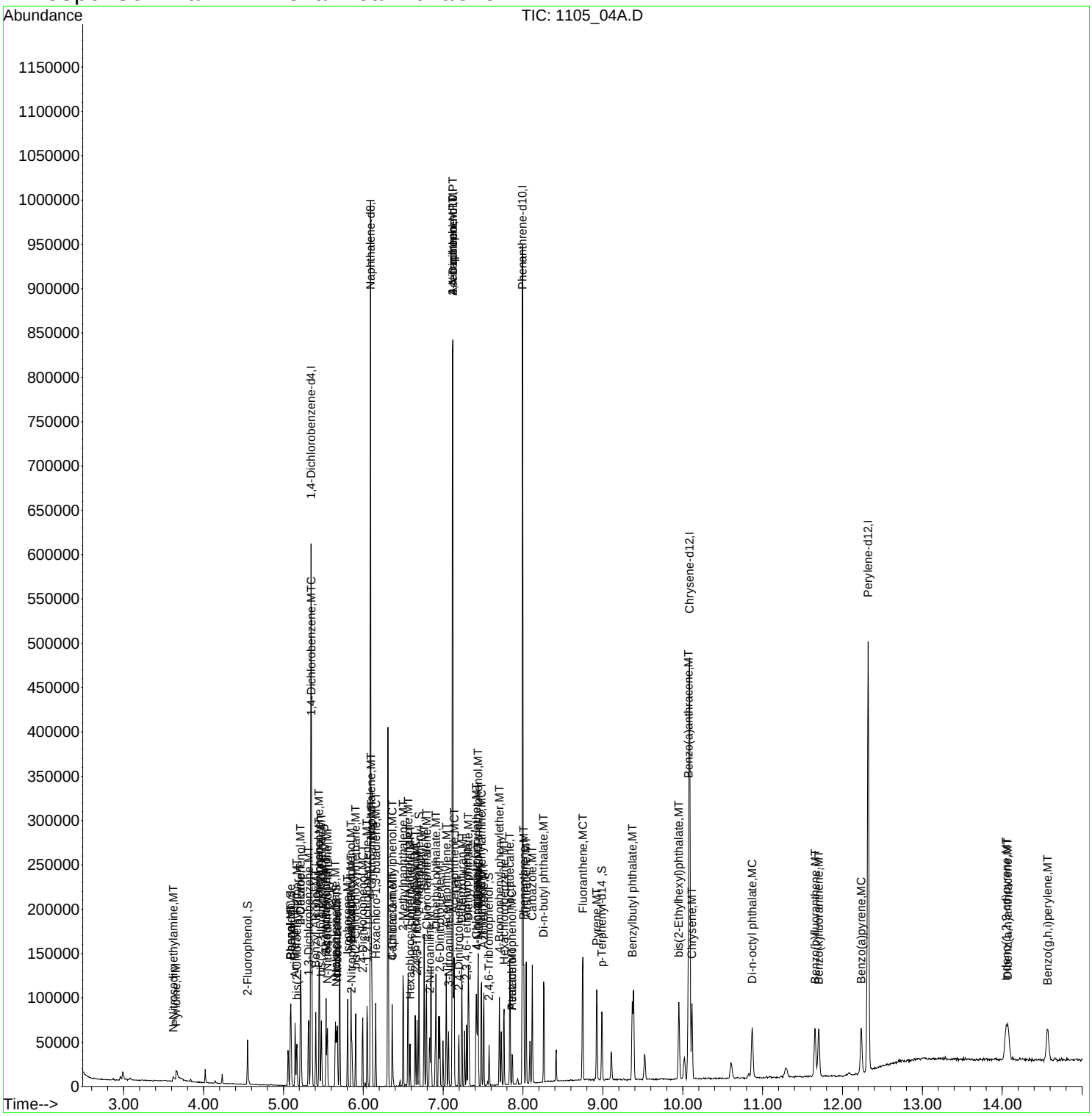
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_04A.D Vial: 4
Acq On : 5 Nov 2011 12:51 pm Operator: 377

Misc : 8270 calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 17:58 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



MRL CALIBRATION REPORT

Sample Name MRL SVMS 1000 ppb 11G20058
Data File Name 1105_04A.D
Acquired 11/5/2011 12:51

level **1000** ppb

	Name	amount	area	%diff	30% Linear	40% MN	50% 8270D	Fit**
1	1,4-Dichlorobenzene-d4	8000.000	70038					
2	Pyridine	851.647	10537	14.84	PASS	PASS	PASS	1
3	N-Nitrosodimethylamine	985.348	7565	1.47	PASS	PASS	PASS	1
4	2-Fluorophenol	967.839	10641	3.22	PASS	PASS	PASS	1
5	Aniline	939.970	16980	6.00	PASS	PASS	PASS	1
6	bis(2-Chloroethyl)ether	1062.424	13145	6.24	PASS	PASS	PASS	1
7	Phenol-d5	1032.249	13578	3.22	PASS	PASS	PASS	1
8	Phenol	1033.409	16023	3.34	PASS	PASS	PASS	1
9	Benzaldehyde	22.658	212	97.73	FAIL*	FAIL*	FAIL*	1
10	2-Chlorophenol	1057.367	12965	5.74	PASS	PASS	PASS	1
11	n-Decane	1115.152	8746	11.52	PASS	PASS	PASS	1
12	1,3-Dichlorobenzene	1044.974	14312	4.50	PASS	PASS	PASS	1
13	1,4-Dichlorobenzene	1035.615	14220	3.56	PASS	PASS	PASS	1
14	Benzyl Alcohol	972.772	10494	2.72	PASS	PASS	PASS	1
15	1,2-Dichlorobenzene	1049.297	13336	4.93	PASS	PASS	PASS	1
16	bis(2-Chloroisopropyl)ether	1032.951	4210	3.30	PASS	PASS	PASS	1
17	2-Methylphenol	1032.233	11595	3.22	PASS	PASS	PASS	1
18	Hexachloroethane	1017.091	5758	1.71	PASS	PASS	PASS	1
19	N-Nitrosodi-n-propylamine	1031.421	9705	3.14	PASS	PASS	PASS	1
20	3&4-Methyl phenol	1056.410	13111	5.64	PASS	PASS	PASS	1
21	Acetophenone	5.013	79	99.50	FAIL*	FAIL*	FAIL*	1
22	Naphthalene-d8	8000.000	266010	700.00				
23	Nitrobenzene-d5	1029.011	15036	2.90	PASS	PASS	PASS	1
24	Nitrobenzene	1054.797	14036	5.48	PASS	PASS	PASS	1
25	Isophorone	1046.100	24992	4.61	PASS	PASS	PASS	1
26	2-Nitrophenol	883.968	5198	11.60	PASS	PASS	PASS	1
27	2,4-Dimethylphenol	1112.472	12404	11.25	PASS	PASS	PASS	1
28	bis(2-Chlorethoxy)methane	1081.318	15380	8.13	PASS	PASS	PASS	1
29	2,4-Dichlorophenol	1064.178	10075	6.42	PASS	PASS	PASS	1
30	Benzoic Acid	2721.505	359	172.15	FAIL*	FAIL*	FAIL*	3
31	1,2,4-Trichlorobenzene	1111.094	12011	11.11	PASS	PASS	PASS	1
32	**Naphthalene**	**1117.031**	**40084**	**11.70**	**PASS**	**PASS**	**PASS**	**1**
33	4-Chloroaniline	1226.969	5708	22.70	PASS	PASS	PASS	1
34	Hexachloro-1,3-butadiene	1087.367	6902	8.74	PASS	PASS	PASS	1
35	Caprolactam	77.863	272	92.21	FAIL*	FAIL*	FAIL*	1
36	4-Chloro-3-methylphenol	1005.569	10592	0.56	PASS	PASS	PASS	1
37	**2-Methylnaphthalene**	**1114.622**	**25312**	**11.46**	**PASS**	**PASS**	**PASS**	**1**
38	**1-Methylnaphthalene**	**1140.228**	**26360**	**14.02**	**PASS**	**PASS**	**PASS**	**1**
39	1,2,4,5-Tetrachlorobenzene	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
40	Acenaphthene-d10	8000.000	150183	700.00				
41	Hexachlorocyclopentadiene	845.403	4596	15.46	PASS	PASS	PASS	1
42	2,4,6-Trichlorophenol	951.378	6530	4.86	PASS	PASS	PASS	1
43	2,4,5-Trichlorophenol	959.347	6907	4.07	PASS	PASS	PASS	1
44	2-Fluorobiphenyl	1047.333	26288	4.73	PASS	PASS	PASS	1
45	Biphenyl	1066.739	30011	6.67	PASS	PASS	PASS	1
46	2-Chloronaphthalene	1102.488	24248	10.25	PASS	PASS	PASS	1
47	2-Nitroaniline	956.382	6842	4.36	PASS	PASS	PASS	1
48	**Acenaphthylene**	**1076.629**	**36908**	**7.66**	**PASS**	**PASS**	**PASS**	**1**
49	**Dimethyl phthalate**	**1051.010**	**27067**	**5.10**	**PASS**	**PASS**	**PASS**	**1**
50	2,6-Dinitrotoluene	1010.260	5729	1.03	PASS	PASS	PASS	1
51	3-Nitroaniline	1068.112	6010	6.81	PASS	PASS	PASS	1
52	**Acenaphthene**	**1098.238**	**24329**	**9.82**	**PASS**	**PASS**	**PASS**	**1**
53	2,4-Dinitrophenol	4336.095	109	333.61	FAIL	FAIL	FAIL	0

54	Dibenzofuran	1073.182	32939	7.32	PASS	PASS	PASS	1
55	2,4-Dinitrotoluene	935.586	6821	6.44	PASS	PASS	PASS	1
56	2,3,4,6-Tetrachlorophenol	1096.188	5178	9.62	PASS*	PASS*	PASS*	1
57	4-Nitrophenol	643.460	2823	35.65	FAIL	PASS	PASS	1
58	**Fluorene**	**1081.527**	**27561**	**8.15**	**PASS**	**PASS**	**PASS**	**1**
59	4-Chlorophenyl-phenylether	1067.109	12404	6.71	PASS	PASS	PASS	1
60	**Diethyl phthalate**	**1058.307**	**27820**	**5.83**	**PASS**	**PASS**	**PASS**	**1**
61	4-Nitroaniline	1234.659	5677	23.47	PASS	PASS	PASS	1
62	Azobenzene	1027.743	29105	2.77	PASS	PASS	PASS	1
63	Atrazine	67.923	481	93.21	FAIL*	FAIL*	FAIL*	1
64	Phenanthrene-d10	8000.000	222957	700.00				
65	4,6-Dinitro-2-methylphenol	368.293	1213	63.17	FAIL	FAIL	FAIL	1
66	N-Nitrosodiphenylamine	1166.454	22524	16.65	PASS	PASS	PASS	1
67	2,4,6-Tribromophenol	980.185	2874	1.98	PASS	PASS	PASS	1
68	4-Bromophenyl-phenylether	1118.078	7124	11.81	PASS	PASS	PASS	1
69	**Hexachlorobenzene**	**1171.347**	**8233**	**17.13**	**PASS**	**PASS**	**PASS**	**1**
70	n-octadecane	1171.883	5178	17.19	PASS	PASS	PASS	1
71	Pentachlorophenol	866.222	3103	13.38	PASS	PASS	PASS	0
72	**Phenanthrene**	**1131.729**	**37726**	**13.17**	**PASS**	**PASS**	**PASS**	**1**
73	**Anthracene**	**1102.992**	**35223**	**10.30**	**PASS**	**PASS**	**PASS**	**1**
74	Carbazole	1111.652	33484	11.17	PASS	PASS	PASS	1
75	**Di-n-butyl phthalate**	**1112.927**	**47148**	**11.29**	**PASS**	**PASS**	**PASS**	**1**
76	2-nitrodiphenylamine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
77	**Fluoranthene**	**1074.518**	**38459**	**7.45**	**PASS**	**PASS**	**PASS**	**1**
78	Benzidine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
79	Chrysene-d12	8000.000	207116	700.00				
80	**Pyrene**	**1076.139**	**39827**	**7.61**	**PASS**	**PASS**	**PASS**	**1**
81	p-Terphenyl-d14	1028.036	21340	2.80	PASS	PASS	PASS	1
82	**Benzylbutyl phthalate**	**988.154**	**18163**	**1.18**	**PASS**	**PASS**	**PASS**	**1**
83	3,3-Dichlorobenzidine	0.000	0	100.00	FAIL*	FAIL*	FAIL*	1
84	**Benzo(a)anthracene**	**1054.592**	**34109**	**5.46**	**PASS**	**PASS**	**PASS**	**1**
85	**Chrysene**	**1111.927**	**33875**	**11.19**	**PASS**	**PASS**	**PASS**	**1**
86	**bis(2-Ethylhexyl)phthalate**	**1015.974**	**27271**	**1.60**	**PASS**	**PASS**	**PASS**	**1**
87	**Di-n-octyl phthalate**	**955.311**	**43292**	**4.47**	**PASS**	**PASS**	**PASS**	**1**
88	Perylene-d12	8000.000	218901	700.00				
89	**Benzo(b)fluoranthene**	**1018.884**	**34066**	**1.89**	**PASS**	**PASS**	**PASS**	**1**
90	**Benzo(k)fluoranthene**	**1035.785**	**32847**	**3.58**	**PASS**	**PASS**	**PASS**	**1**
91	**Benzo(a)pyrene**	**977.380**	**31014**	**2.26**	**PASS**	**PASS**	**PASS**	**1**
92	**Indeno(1,2,3-cd)pyrene**	**986.559**	**33812**	**1.34**	**PASS**	**PASS**	**PASS**	**1**
93	**Dibenz(a,h)anthracene**	**961.633**	**25928**	**3.84**	**PASS**	**PASS**	**PASS**	**1**
94	**Benzo(g,h,i)perylene**	**1017.073**	**29093**	**1.71**	**PASS**	**PASS**	**PASS**	**1**

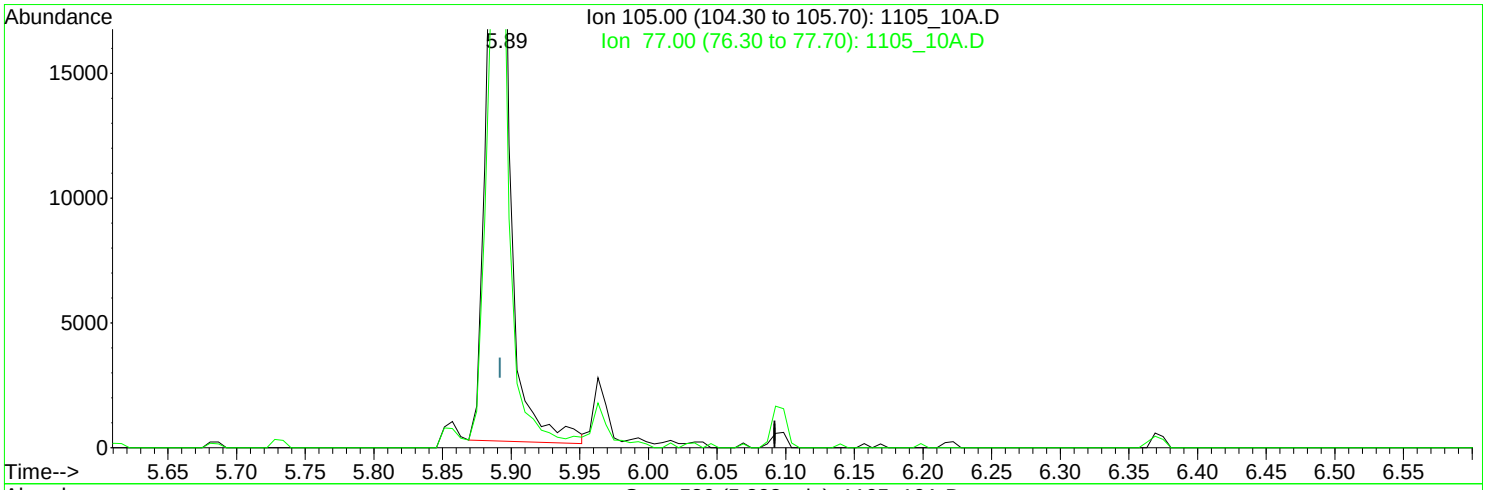
*compounds in 2nd mix
** 1=RSD, 0=Linear regression, 3= Quadratic regression
Bold highlighted compounds require 1000 ppb MRL

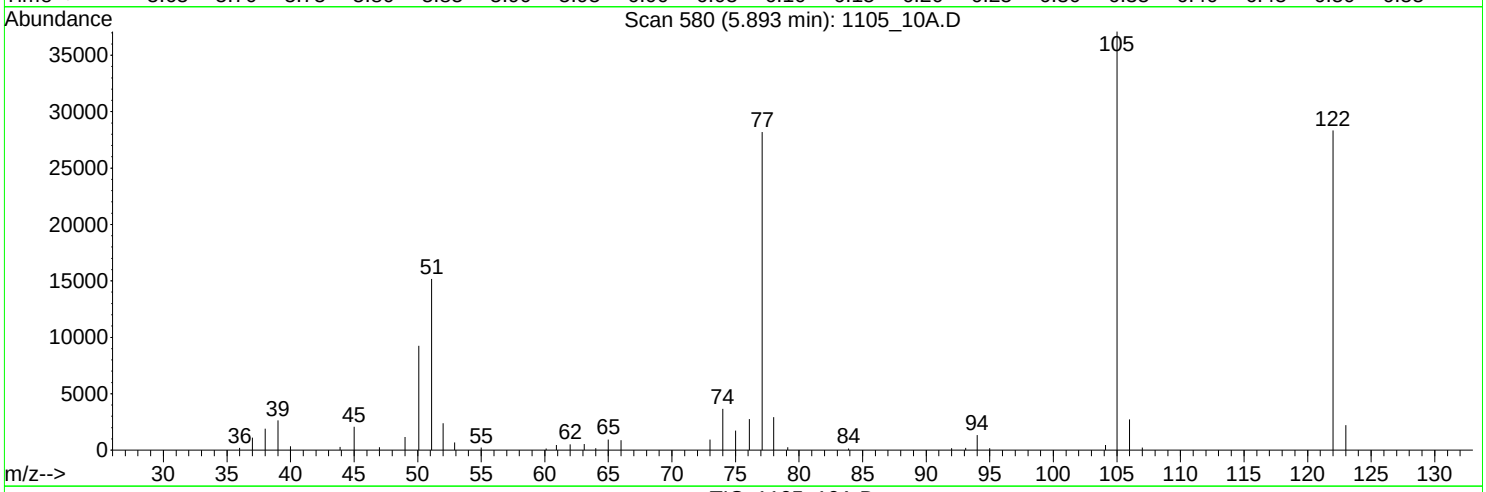
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10A.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:01 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Single Level Calibration





TIC: 1105_10A.D

(30) Benzoic Acid (MT)

5.89min (+0.001) 7844.8227231 ppb

Qvalue = 88

response 33970

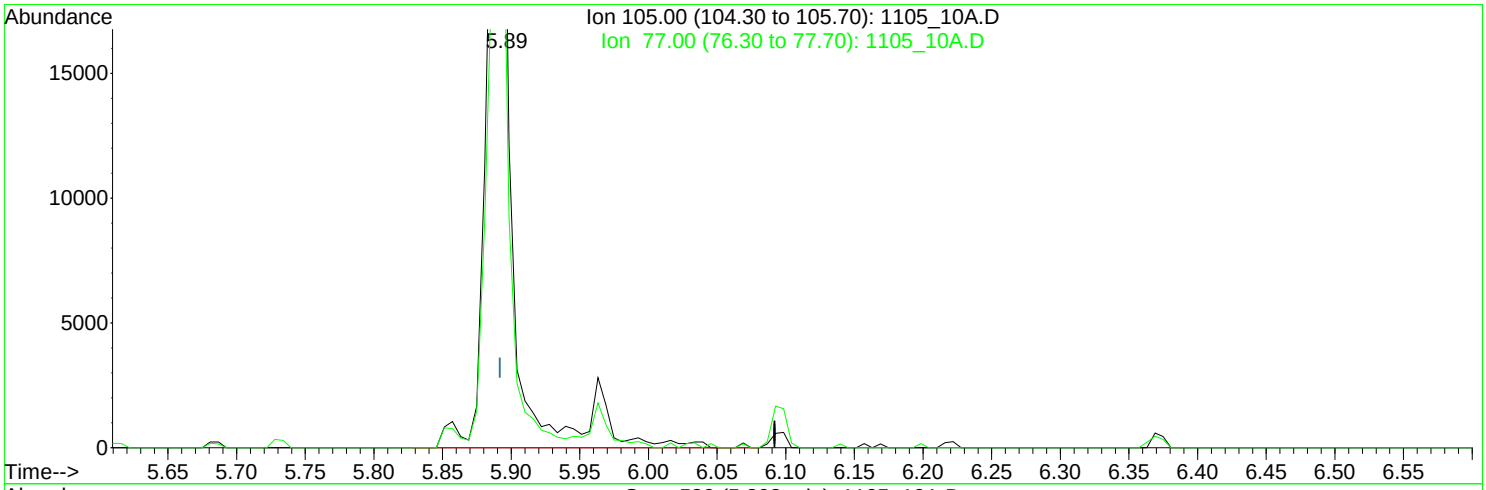
Ion	Exp%	Act%
105.00	100	100
77.00	66.50	76.44
0.00	0.00	0.00
0.00	0.00	0.00

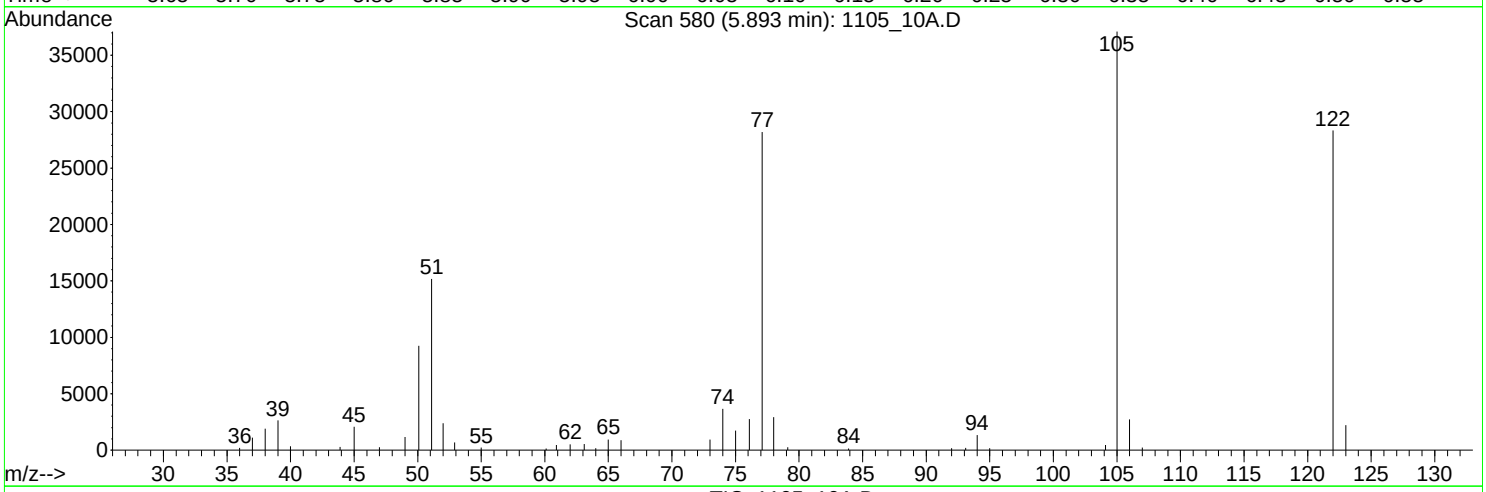
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10A.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:01 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Single Level Calibration





TIC: 1105_10A.D

(30) Benzoic Acid (MT)

5.89min (+0.001) 8591.6629679 ppb m

response 39051

Ion	Exp%	Act%
105.00	100	100
77.00	66.50	66.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10A.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377
Sample : MRL TCL 10000 ppb 11G20059 Inst : BNAMS11
Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:01 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.35	152	75616	8000.00 ppb	0.00
22) Naphthalene-d8	6.10	136	291891	8000.00 ppb	0.00
40) Acenaphthene-d10	7.12	164	161077	8000.00 ppb	0.00
64) Phenanthrene-d10	8.00	188	262344	8000.00 ppb	0.00
78) Chrysene-d12	10.09	240	234993	8000.00 ppb	0.00
88) Perylene-d12	12.33	264	241275	8000.00 ppb	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.0000000 ppb	
Spiked Amount 20.000	Range 10 - 75		Recovery = 0.00%#		
7) Phenol-d5	5.35	99	1177	82.8791038 ppb	0.26
Spiked Amount 20.000	Range 10 - 63		Recovery = 414.40%#		
23) Nitrobenzene-d5	5.73	82	2633	164.2160972 ppb	0.08
Spiked Amount 10.000	Range 17 - 119		Recovery = 1642.16%#		
44) 2-Fluorobiphenyl	0.00	172	0	0.0000000 ppb	
Spiked Amount 10.000	Range 29 - 127		Recovery = 0.00%#		
67) 2,4,6-Tribromophenol	0.00	330	0	0.0000000 ppb	
Spiked Amount 20.000	Range 16 - 147		Recovery = 0.00%#		
Spiked Amount 10.000	Range 40 - 174		Recovery = 0.00%#		

Target Compounds

						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-Nitrosodimethylamine	0.00	42	0	N.D.		
5) Aniline	5.16	93	316	16.2025555 ppb	#	62
6) bis(2-Chloroethyl)ether	5.16	93	316	23.6561706 ppb	#	28
8) Phenol	5.10	94	385	22.9990101 ppb	#	1
9) Benzaldehyde	5.10	105	103668	10262.5349608 ppb		100
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) n-Decane	5.35	41	189	22.3206201 ppb	#	1
12) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
14) Benzyl Alcohol	5.53	79	82	7.0405032 ppb	#	19
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) bis(2-Chloroisopropyl)ethe	5.57	121	4262	968.5701205 ppb	#	1
17) 2-Methylphenol	5.46	108	78	6.4316363 ppb	#	19
18) Hexachloroethane	0.00	117	0	N.D.		
19) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.		
20) 3&4-Methyl phenol	5.55	107	231	17.2396580 ppb	#	19

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10A.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:01 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
21) Acetophenone	5.57	105	168607	9909.6825201	ppb		100
24) Nitrobenzene	5.57	77	143665	9839.0664045	ppb	#	63
25) Isophorone	5.73	82	2633	100.4385044	ppb		63
26) 2-Nitrophenol	0.00	139	0	N.D.			
27) 2,4-Dimethylphenol	6.10	107	2056	168.0458009	ppb	#	28
28) bis(2-Chlorethoxy)methane	5.89	93	130	8.3294730	ppb	#	1
29) 2,4-Dichlorophenol	0.00	162	0	N.D.			
30) Benzoic Acid	5.89	105	39051m	8591.6629679	ppb		
31) 1,2,4-Trichlorobenzene	6.05	180	423	35.6606556	ppb		96
32) Naphthalene	6.11	128	89	2.2602765	ppb		69
33) 4-Chloroaniline	6.12	65	65	12.7332789	ppb	#	59
34) Hexachloro-1,3-butadiene	0.00	225	0	N.D.			
35) Caprolactam	6.31	113	39439	10288.8663711	ppb		100
36) 4-Chloro-3-methylphenol	6.60	107	8639	747.4368733	ppb	#	23
37) 2-Methylnaphthalene	6.60	142	910	36.5190678	ppb	#	39
38) 1-Methylnaphthalene	6.60	142	910	35.8727760	ppb	#	37
39) 1,2,4,5-Tetrachlorobenzene	6.60	216	110677	10248.7554026	ppb		100
41) Hexachlorocyclopentadiene	0.00	237	0	N.D.			
42) 2,4,6-Trichlorophenol	6.66	196	66	8.9654285	ppb	#	49
43) 2,4,5-Trichlorophenol	6.66	196	66	8.5470703	ppb	#	63
45) Biphenyl	6.77	154	85	2.8169812	ppb	#	41
46) 2-Chloronaphthalene	0.00	162	0	N.D.			
47) 2-Nitroaniline	0.00	138	0	N.D.			
48) Acenaphthylene	0.00	152	0	N.D.			
49) Dimethyl phthalate	0.00	163	0	N.D.			
50) 2,6-Dinitrotoluene	0.00	165	0	N.D.			
51) 3-Nitroaniline	7.07	138	54	8.9479414	ppb	#	1
52) Acenaphthene	0.00	153	0	N.D.			
53) 2,4-Dinitrophenol	0.00	184	0	N.D.			
54) Dibenzofuran	7.30	168	15864	481.9068637	ppb	#	43
55) 2,4-Dinitrotoluene	7.30	165	494	63.1756920	ppb	#	1
56) 2,3,4,6-Tetrachlorophenol	7.30	232	50630	9993.5156074	ppb		100
57) 4-Nitrophenol	7.13	139	73	15.5138873	ppb	#	66
58) Fluorene	0.00	166	0	N.D.			
59) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.			
60) Diethyl phthalate	7.32	149	87	3.0857528	ppb	#	63
61) 4-Nitroaniline	0.00	138	0	N.D.			
62) Azobenzene	0.00	77	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10A.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:01 2011 Quant Results File: S811K05K.RES

Quant Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration
DataAcq Meth : MS11BKC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
63)	Atrazine	7.77	200	78363	10317.3450246 ppb		100
65)	4,6-Dinitro-2-methylphenol	7.30	198	2637	680.4448751 ppb	#	34
66)	N-Nitrosodiphenylamine	7.30	169	5257	231.3716545 ppb	#	1
68)	4-Bromophenyl-phenylether	0.00	248	0	N.D.		
69)	Hexachlorobenzene	0.00	284	0	N.D.		
70)	n-octadecane	7.76	55	8654	1664.5206461 ppb	#	61
71)	Pentachlorophenol	7.87	266	4024	934.8703487 ppb		95
72)	Phenanthrene	8.04	178	142	3.6202627 ppb		70
73)	Anthracene	8.04	178	142	3.7790656 ppb		64
74)	Carbazole	0.00	167	0	N.D.		
75)	Di-n-butyl phthalate	8.26	149	92	1.8456161 ppb		78
76)	2-nitrodiphenylamine	8.40	167	97482	9630.4568883 ppb		100
77)	Fluoranthene	0.00	202	0	N.D.		
79)	Benzidine	8.82	184	228802	10263.3421849 ppb		100
80)	Pyrene	0.00	202	0	N.D.		
82)	Benzylbutyl phthalate	9.40	149	133	6.3774551 ppb	#	1
83)	3,3-Dichlorobenzidine	10.00	252	113861	9551.9713246 ppb		100
84)	Benzo(a)anthracene	10.09	228	637	17.3585575 ppb	#	1
85)	Chrysene	10.09	228	637	18.4287181 ppb	#	54
86)	bis(2-Ethylhexyl)phthalate	9.96	149	305	10.0147536 ppb	#	22
87)	Di-n-octyl phthalate	11.06	149	71	1.3808744 ppb		73
89)	Benzo(b)fluoranthene	0.00	252	0	N.D.		
90)	Benzo(k)fluoranthene	0.00	252	0	N.D.		
91)	Benzo(a)pyrene	12.33	252	1084	30.9934898 ppb	#	1
92)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
93)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
94)	Benzo(g,h,i)perylene	0.00	276	0	N.D.		

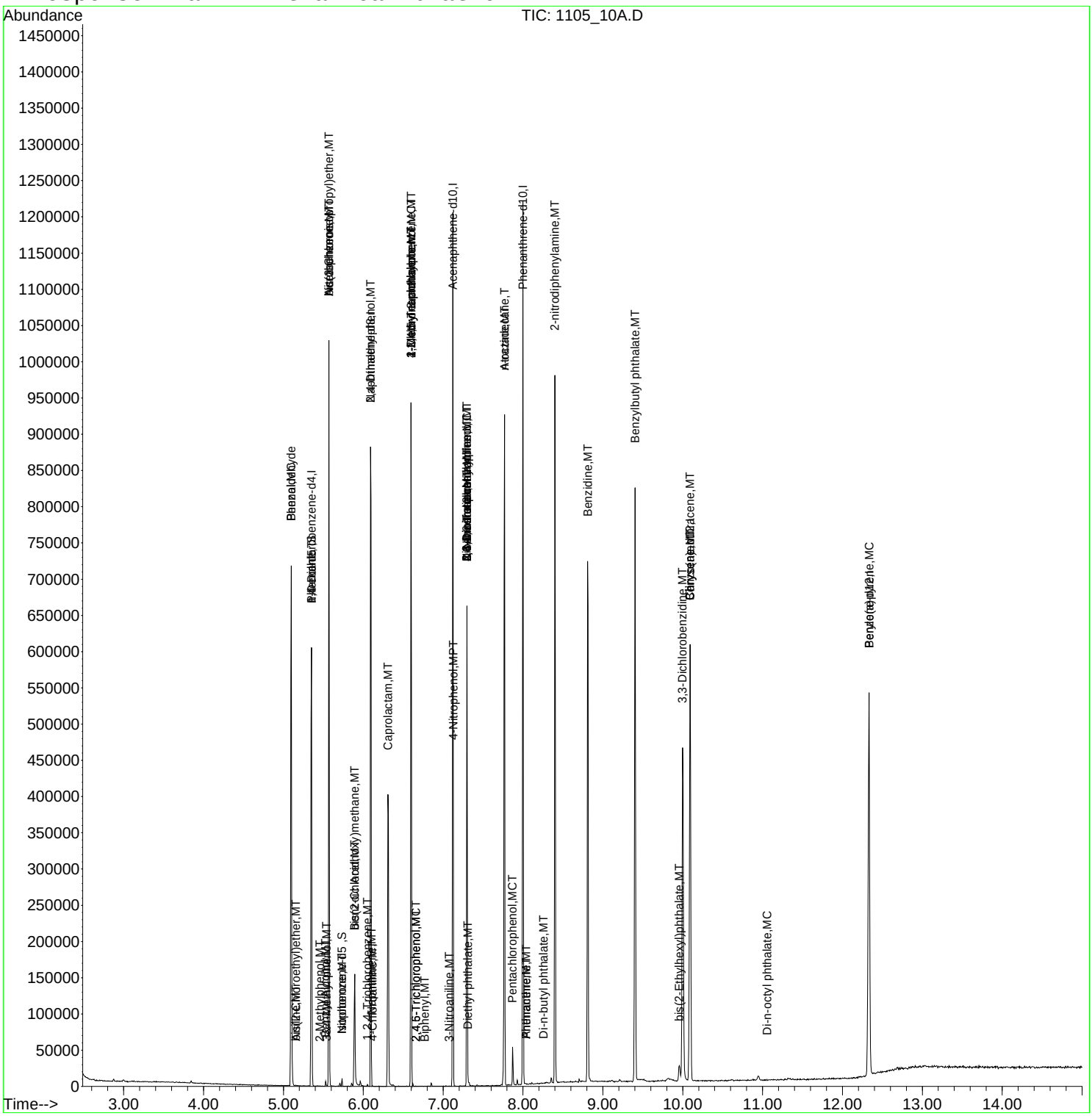
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\110511\1105_10A.D Vial: 10
Acq On : 5 Nov 2011 2:50 pm Operator: 377

Misc : 8270 TCL calibration Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 18:01 2011 Quant Results File: S811K05K.RES

Method : C:\MSDCHEM\1\METHODS\S811K05K.M (RTE Integrator)
Title : 8270 BNA
Last Update : Mon Nov 07 17:51:35 2011
Response via : Initial Calibration



MRL CALIBRATION REPORT

Sample Name MRL TCL 10000 ppb 11G20059
Data File Name 1105_10A.D
Acquired 11/5/2011 14:50

level **10000** ppb

	Name	amount	area	%diff	30% Linear	40% MN	50% 8270D	Fit**
1	1,4-Dichlorobenzene-d4	8000.000	75616					
2	Pyridine	0.000	0	100.00	FAIL	FAIL	FAIL	1
3	N-Nitrosodimethylamine	0.000	0	100.00	FAIL	FAIL	FAIL	1
4	2-Fluorophenol	0.000	0	100.00	FAIL	FAIL	FAIL	1
5	Aniline	16.203	316	99.84	FAIL	FAIL	FAIL	1
6	bis(2-Chloroethyl)ether	23.656	316	99.76	FAIL	FAIL	FAIL	1
7	Phenol-d5	82.879	1177	99.17	FAIL	FAIL	FAIL	1
8	Phenol	22.999	385	99.77	FAIL	FAIL	FAIL	1
9	Benzaldehyde	10262.535	103668	2.63	PASS*	PASS*	PASS*	1
10	2-Chlorophenol	0.000	0	100.00	FAIL	FAIL	FAIL	1
11	n-Decane	22.321	189	99.78	FAIL	FAIL	FAIL	1
12	1,3-Dichlorobenzene	0.000	0	100.00	FAIL	FAIL	FAIL	1
13	1,4-Dichlorobenzene	0.000	0	100.00	FAIL	FAIL	FAIL	1
14	Benzyl Alcohol	7.041	82	99.93	FAIL	FAIL	FAIL	1
15	1,2-Dichlorobenzene	0.000	0	100.00	FAIL	FAIL	FAIL	1
16	bis(2-Chloroisopropyl)ether	968.570	4262	90.31	FAIL	FAIL	FAIL	1
17	2-Methylphenol	6.432	78	99.94	FAIL	FAIL	FAIL	1
18	Hexachloroethane	0.000	0	100.00	FAIL	FAIL	FAIL	1
19	N-Nitrosodi-n-propylamine	0.000	0	100.00	FAIL	FAIL	FAIL	1
20	3&4-Methyl phenol	17.240	231	99.83	FAIL	FAIL	FAIL	1
21	Acetophenone	9909.683	168607	0.90	PASS*	PASS*	PASS*	1
22	Naphthalene-d8	8000.000	291891	20.00				
23	Nitrobenzene-d5	164.216	2633	98.36	FAIL	FAIL	FAIL	1
24	Nitrobenzene	9839.066	143665	1.61	PASS	PASS	PASS	1
25	Isophorone	100.439	2633	99.00	FAIL	FAIL	FAIL	1
26	2-Nitrophenol	0.000	0	100.00	FAIL	FAIL	FAIL	1
27	2,4-Dimethylphenol	168.046	2056	98.32	FAIL	FAIL	FAIL	1
28	bis(2-Chlorethoxy)methane	8.329	130	99.92	FAIL	FAIL	FAIL	1
29	2,4-Dichlorophenol	0.000	0	100.00	FAIL	FAIL	FAIL	1
30	Benzoic Acid	8591.663	39051	14.08	PASS*	PASS*	PASS*	3
31	1,2,4-Trichlorobenzene	35.661	423	99.64	FAIL	FAIL	FAIL	1
32	**Naphthalene**	**2.260**	**89**	**99.98**	**FAIL**	**FAIL**	**FAIL**	**1**
33	4-Chloroaniline	12.733	65	99.87	FAIL	FAIL	FAIL	1
34	Hexachloro-1,3-butadiene	0.000	0	100.00	FAIL	FAIL	FAIL	1
35	Caprolactam	10288.866	39439	2.89	PASS*	PASS*	PASS*	1
36	4-Chloro-3-methylphenol	747.437	8639	92.53	FAIL	FAIL	FAIL	1
37	**2-Methylnaphthalene**	**36.519**	**910**	**99.63**	**FAIL**	**FAIL**	**FAIL**	**1**
38	**1-Methylnaphthalene**	**35.873**	**910**	**99.64**	**FAIL**	**FAIL**	**FAIL**	**1**
39	1,2,4,5-Tetrachlorobenzene	10248.755	110677	2.49	PASS*	PASS*	PASS*	1
40	Acenaphthene-d10	8000.000	161077	20.00				
41	Hexachlorocyclopentadiene	0.000	0	100.00	FAIL	FAIL	FAIL	1
42	2,4,6-Trichlorophenol	8.965	66	99.91	FAIL	FAIL	FAIL	1
43	2,4,5-Trichlorophenol	8.547	66	99.91	FAIL	FAIL	FAIL	1
44	2-Fluorobiphenyl	0.000	0	100.00	FAIL	FAIL	FAIL	1
45	Biphenyl	2.817	85	99.97	FAIL	FAIL	FAIL	1
46	2-Chloronaphthalene	0.000	0	100.00	FAIL	FAIL	FAIL	1
47	2-Nitroaniline	0.000	0	100.00	FAIL	FAIL	FAIL	1
48	**Acenaphthylene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
49	**Dimethyl phthalate**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
50	2,6-Dinitrotoluene	0.000	0	100.00	FAIL	FAIL	FAIL	1
51	3-Nitroaniline	8.948	54	99.91	FAIL	FAIL	FAIL	1
52	**Acenaphthene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
53	2,4-Dinitrophenol	0.000	0	100.00	FAIL	FAIL	FAIL	0

54	Dibenzofuran	481.907	15864	95.18	FAIL	FAIL	FAIL	1
55	2,4-Dinitrotoluene	63.176	494	99.37	FAIL	FAIL	FAIL	1
56	2,3,4,6-Tetrachlorophenol	9993.516	50630	0.06	PASS*	PASS*	PASS*	1
57	4-Nitrophenol	15.514	73	99.84	FAIL	FAIL	FAIL	1
58	**Fluorene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
59	4-Chlorophenyl-phenylether	0.000	0	100.00	FAIL	FAIL	FAIL	1
60	**Diethyl phthalate**	**3.086**	**87**	**99.97**	**FAIL**	**FAIL**	**FAIL**	**1**
61	4-Nitroaniline	0.000	0	100.00	FAIL	FAIL	FAIL	1
62	Azobenzene	0.000	0	100.00	FAIL	FAIL	FAIL	1
63	Atrazine	10317.345	78363	3.17	PASS*	PASS*	PASS*	1
64	Phenanthrene-d10	8000.000	262344	20.00				
65	4,6-Dinitro-2-methylphenol	680.445	2637	93.20	FAIL	FAIL	FAIL	1
66	N-Nitrosodiphenylamine	231.372	5257	97.69	FAIL	FAIL	FAIL	1
67	2,4,6-Tribromophenol	0.000	0	100.00	FAIL	FAIL	FAIL	1
68	4-Bromophenyl-phenylether	0.000	0	100.00	FAIL	FAIL	FAIL	1
69	**Hexachlorobenzene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
70	n-octadecane	1664.521	8654	83.35	FAIL	FAIL	FAIL	1
71	Pentachlorophenol	934.870	4024	90.65	FAIL	FAIL	FAIL	0
72	**Phenanthrene**	**3.620**	**142**	**99.96**	**FAIL**	**FAIL**	**FAIL**	**1**
73	**Anthracene**	**3.779**	**142**	**99.96**	**FAIL**	**FAIL**	**FAIL**	**1**
74	Carbazole	0.000	0	100.00	FAIL	FAIL	FAIL	1
75	**Di-n-butyl phthalate**	**1.846**	**92**	**99.98**	**FAIL**	**FAIL**	**FAIL**	**1**
76	2-nitrodiphenylamine	9630.457	97482	3.70	PASS*	PASS*	PASS*	1
77	**Fluoranthene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
78	Benzidine	10263.342	228802	2.63	PASS*	PASS*	PASS*	1
79	Chrysene-d12	8000.000	234993	20.00				
80	**Pyrene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
81	p-Terphenyl-d14	0.000	0	100.00	FAIL	FAIL	FAIL	1
82	**Benzylbutyl phthalate**	**6.377**	**133**	**99.94**	**FAIL**	**FAIL**	**FAIL**	**1**
83	3,3-Dichlorobenzidine	9551.971	113861	4.48	PASS*	PASS*	PASS*	1
84	**Benzo(a)anthracene**	**17.359**	**637**	**99.83**	**FAIL**	**FAIL**	**FAIL**	**1**
85	**Chrysene**	**18.429**	**637**	**99.82**	**FAIL**	**FAIL**	**FAIL**	**1**
86	**bis(2-Ethylhexyl)phthalate**	**10.015**	**305**	**99.90**	**FAIL**	**FAIL**	**FAIL**	**1**
87	**Di-n-octyl phthalate**	**1.381**	**71**	**99.99**	**FAIL**	**FAIL**	**FAIL**	**1**
88	Perylene-d12	8000.000	241275	20.00				
89	**Benzo(b)fluoranthene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
90	**Benzo(k)fluoranthene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
91	**Benzo(a)pyrene**	**30.993**	**1084**	**99.69**	**FAIL**	**FAIL**	**FAIL**	**1**
92	**Indeno(1,2,3-cd)pyrene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
93	**Dibenz(a,h)anthracene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**
94	**Benzo(g,h,i)perylene**	**0.000**	**0**	**100.00**	**FAIL**	**FAIL**	**FAIL**	**1**

*compounds in 2nd mix
** 1=RSD, 0=Linear regression, 3= Quadratic regression
Bold highlighted compounds require 1000 ppb MRL

Company Name/Address

Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

Alternate Billing: TERRLKS-02107144

Report to: Wil King

E-mail to: wwking@terracon.com

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by: B147

ENVIRONMENTAL Science corp
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

Project Description: GSA Bannister

City/State: Kansas City MO

PHONE: 913-492-7777
FAX: 913-492-7443

Client Project # '02107144

Lab Project #

Collected by: Wil King

Site/Facility ID#

P.O.#

Collected by(signature):

Packed on Ice N__ Y__

Rush? (Lab MUST be Notified)
_____Same Day.....200%
_____Next Day.....100%
_____Two Day.....50%

Date Results Needed: STANDARD TAT

Email?__No__Yes
FAX?__No__Yes

CoCode (lab use only)
TERRLKS
Template/Prelogin

Shipped Via: Kansas City Service Center

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	V8260B	SVOC's 8270C							Remarks/contaminant	Sample # (lab only)
KC91-152U	Grab	GW	—	11/1/11	1425	12	X	X								L544884-01
KC91-152L	Grab	GW	—	11/1/11	1527	4	X	X								-02
KC91-156L	Grab	GW	—	11/1/11	1640	4	X	X								-03
KC91-156U	Grab	GW	—	11/1/11	1725	4	X	X								-04
KC91-157U	Grab	GW	—	11/1/11	1820	4	X	X								-05
KC91-15L	Grab	GW	—	11/1/11	1855	4	X	X								-06
DUP	Grab	GW	—	11/1/11	—	4	X	X								-07
Rinse Blank	Grab	OT	—	11/1/11	1205	4	X	X								-08
Trip Blank	Grab	DT	—	11/1/11	—	2	X									-09

Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other Distilled water

pH_____ Temp_____

Remarks: Level IV QA/QC Report Use extra volume collected for KC91-152U for MS/MSD! Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx__ UPS__Other (FWK)	Condition (lab use only)
	11/2/11	1544			
Relinquisher by:(Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1°C / Bottles Received: 40+1TB	(OK)
Relinquisher by:(Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11-3-11 / Time: 1100	pH Checked: / NCF:

Environmental Science Corp.
Login Confirmation Report
Nov 04 2011, 08:08 am
Login Number: L544884 Template Number: N/A
Account: TERRLKS Terracon - Lenexa, KS

Report To: Wil King
: 13910 West 96th Terrace
:
: Lenexa, KS, 66215
Telephone #: 913-492-7777
Fax #: 913-492-7443
Email: , adstuerke@terracon.com
Project/Account Comments: AS in GW needs to be ASG

Client Project #: 02107144
Project Description: Bannister Complex, KCMO
PO#:
PO# Required: N
Lab Project #: TERRLKS-02107144
Client Design: DEFAULT

TSR:206
Payment Terms: Net 45
Regulatory State: MO
Fax Report: N
Quote#:
Report Design:

Lab Sample #	Test	Sample ID	Desc.	Collect Date & Time	Collected By	Site	Receive Date	PR	Est.DueDate(1)	Method	Unit Price
L544884-01		KC91-152U		01-Nov-11, 14:25	Wil King		03-NOV-11	R5	10-NOV-11		
MS/MSD sample. QC4											
Bannister Complex, KCMO											
Misc	S	DISPOSAL	Sample Disposal Charge								$ 0.00
Misc	S	ENERGY	Energy Surcharge								$ 0.00
Misc	S	HARDCOPY	Hardcopy Report Charge								$ 0.00
GW	S	QC4	QC Package								$ 398.00
Misc	S	SHIPPING	Inbound Transport Charge								$ 0.00
GW	S	SV8270	SVOCs		12581717	1L-Amb-NoPres	UDEFAULT			8270C	$ 170.00
GW	S	V8260	Volatiles		12581683	40mlAmb-HCl	UDEFAULT			8260B	$ 70.00
L544884-02		KC91-152L		01-Nov-11, 15:27	Wil King		03-NOV-11	R5	10-NOV-11		
QC4											
Bannister Complex, KCMO											
GW	S	QC4	QC Package								$ 0.00
GW	S	SV8270	SVOCs		12581685	1L-Amb-NoPres	UDEFAULT			8270C	$ 170.00
GW	S	V8260	Volatiles		12581687	40mlAmb-HCl	UDEFAULT			8260B	$ 70.00
L544884-03		KC91-156L		01-Nov-11, 16:40	Wil King		03-NOV-11	R5	10-NOV-11		
QC4											
Bannister Complex, KCMO											
GW	S	QC4	QC Package								$ 0.00
GW	S	SV8270	SVOCs		12581690	1L-Amb-NoPres	UDEFAULT			8270C	$ 170.00
GW	S	V8260	Volatiles		12581691	40mlAmb-HCl	UDEFAULT			8260B	$ 70.00
L544884-04		KC91-156U		01-Nov-11, 17:25	Wil King		03-NOV-11	R5	10-NOV-11		
QC4											
Bannister Complex, KCMO											
GW	S	QC4	QC Package								$ 0.00
GW	S	SV8270	SVOCs		12581693	1L-Amb-NoPres	UDEFAULT			8270C	$ 170.00
GW	S	V8260	Volatiles		12581695	40mlAmb-HCl	UDEFAULT			8260B	$ 70.00
L544884-05		KC91-157U		01-Nov-11, 18:20	Wil King		03-NOV-11	R5	10-NOV-11		
QC4											
Bannister Complex, KCMO											

Entered 03-NOV-11 By ROMER_J

(1) Due Date listed is an estimate based on average workloads. Please communicate required due dates to your TSR.

Environmental Science Corp.
Login Confirmation Report
Nov 04 2011, 08:08 am
Login Number: L544884 Template Number: N/A
Account: TERRLKS Terracon - Lenexa, KS

Report To: Wil King
: 13910 West 96th Terrace
:
: Lenexa, KS, 66215
Telephone #: 913-492-7777
Fax #: 913-492-7443
Email: , adstuerke@terracon.com
Project/Account Comments: AS in GW needs to be ASG

Client Project #: 02107144
Project Description: Bannister Complex, KCMO
PO#:
PO# Required: N
Lab Project #: TERRLKS-02107144
Client Design: DEFAULT

TSR:206
Payment Terms: Net 45
Regulatory State: MO
Fax Report: N
Quote#:
Report Design:

Lab Sample #	Test	Sample ID	Desc.	Collect Date & Time	Collected By	Site	Receive Date	PR	Est.DueDate(1)	Method	Unit Price
GW	S QC4		QC Package								$ 0.00
GW	S SV8270		SVOCs	12581697		1L-Amb-NoPres	UDEFAULT			8270C	$ 170.00
GW	S V8260		Volatiles	12581699		40mlAmb-HCl	UDEFAULT			8260B	$ 70.00
L544884-06		KC91-15L		01-Nov-11, 18:55	Wil King		03-NOV-11	R5	10-NOV-11		
QC4											
Bannister Complex, KCMO											
GW	S QC4		QC Package								$ 0.00
GW	S SV8270		SVOCs	12581701		1L-Amb-NoPres	UDEFAULT			8270C	$ 170.00
GW	S V8260		Volatiles	12581703		40mlAmb-HCl	UDEFAULT			8260B	$ 70.00
L544884-07		DUP		01-Nov-11, 00:00	Wil King		03-NOV-11	R5	10-NOV-11		
QC4											
Bannister Complex, KCMO											
GW	S QC4		QC Package								$ 0.00
GW	S SV8270		SVOCs	12581705		1L-Amb-NoPres	UDEFAULT			8270C	$ 170.00
GW	S V8260		Volatiles	12581707		40mlAmb-HCl	UDEFAULT			8260B	$ 70.00
L544884-08		RINSATE BLANK		01-Nov-11, 12:05	Wil King		03-NOV-11	R5	10-NOV-11		
QC4											
Bannister Complex, KCMO											
GW	S QC4		QC Package								$ 0.00
GW	S SV8270		SVOCs	12581709		1L-Amb-NoPres	UDEFAULT			8270C	$ 170.00
GW	S V8260		Volatiles	12581711		40mlAmb-HCl	UDEFAULT			8260B	$ 70.00
L544884-09		TRIP BLANK		01-Nov-11, 00:00	Wil King		03-NOV-11	R5	10-NOV-11		
QC4											
Bannister Complex, KCMO											
GW	S QC4		QC Package								$ 0.00
GW	S V8260		Volatiles	12581715		40mlAmb-HCl-Blk	UDEFAULT			8260B	$ 70.00

Not An Invoice! Do Not Pay Total: $ 2388.00

Entered 03-NOV-11 By ROMER_J

(1) Due Date listed is an estimate based on average workloads. Please communicate required due dates to your TSR.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

Report Summary

Wednesday November 16, 2011

Report Number: L544884
Samples Received: 11/03/11
Client Project: 02107144

Description: Bannister Complex, KCMO

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: _____
Jeff Carr , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-01

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 14:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4J6	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l	J6J3	8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-01

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 14:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	102.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/07/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/07/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/07/11	1
Benzidine	U	0.0021	0.010	mg/l		8270C	11/07/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/07/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/07/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/07/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/07/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/07/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/07/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/07/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/07/11	1

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-01

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 14:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/07/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/07/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/07/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/07/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/07/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/07/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/07/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/07/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/07/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/07/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/07/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/07/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/07/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/07/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/07/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/07/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/07/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/07/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/07/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l	J4	8270C	11/07/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/07/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/07/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/07/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/07/11	1
Di-n-butyl phthalate	U	0.00028	0.0010	mg/l	J3	8270C	11/07/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/07/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/07/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/07/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/07/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/07/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/07/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/07/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/07/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/07/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/07/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/07/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/07/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/07/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/07/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/07/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/07/11	1
Surrogate Recovery								

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-01

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 14:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	24.8			% Rec.		8270C	11/07/11	1
Phenol-d5	25.1			% Rec.		8270C	11/07/11	1
Nitrobenzene-d5	68.1			% Rec.		8270C	11/07/11	1
2-Fluorobiphenyl	82.9			% Rec.		8270C	11/07/11	1
2,4,6-Tribromophenol	83.1			% Rec.		8270C	11/07/11	1
p-Terphenyl-d14	94.6			% Rec.		8270C	11/07/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-02

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 15:27

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-02

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 15:27

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	102.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/08/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/08/11	1
Benzidine	U	0.0021	0.010	mg/l	J4	8270C	11/08/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/08/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/08/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/08/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/08/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/08/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/08/11	1

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-02

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 15:27

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/08/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/08/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/08/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/08/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/08/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/08/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/08/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/08/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/08/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/08/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/08/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/08/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/08/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodi-n-propylamine	0.00032	0.00031	0.010	mg/l	J	8270C	11/08/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/08/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/08/11	1
Di-n-butyl phthalate	0.00057	0.00028	0.0010	mg/l	JB	8270C	11/08/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/08/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/08/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/08/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/08/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/08/11	1
2-Chlorophenol	0.00020	0.00019	0.010	mg/l	J	8270C	11/08/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/08/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/08/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/08/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/08/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/08/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/08/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
Surrogate Recovery								

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MDL = Minimum Detection Limit = LOD
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-02

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-152L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 15:27

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	33.4			% Rec.		8270C	11/08/11	1
Phenol-d5	25.1			% Rec.		8270C	11/08/11	1
Nitrobenzene-d5	73.5			% Rec.		8270C	11/08/11	1
2-Fluorobiphenyl	85.1			% Rec.		8270C	11/08/11	1
2,4,6-Tribromophenol	78.0			% Rec.		8270C	11/08/11	1
p-Terphenyl-d14	94.6			% Rec.		8270C	11/08/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-03

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 16:40

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-03

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 16:40

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	104.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	102.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/08/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/08/11	1
Benzidine	U	0.0021	0.010	mg/l	J4	8270C	11/08/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/08/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/08/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/08/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/08/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/08/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/08/11	1

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-03

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 16:40

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/08/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/08/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/08/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/08/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/08/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/08/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/08/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/08/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/08/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/08/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/08/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/08/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/08/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/08/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/08/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/08/11	1
Di-n-butyl phthalate	0.00040	0.00028	0.0010	mg/l	JB	8270C	11/08/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/08/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/08/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/08/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/08/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/08/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/08/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/08/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/08/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/08/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/08/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/08/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/08/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
Surrogate Recovery								

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-03

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 16:40

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	20.7			% Rec.		8270C	11/08/11	1
Phenol-d5	13.0			% Rec.		8270C	11/08/11	1
Nitrobenzene-d5	71.0			% Rec.		8270C	11/08/11	1
2-Fluorobiphenyl	75.1			% Rec.		8270C	11/08/11	1
2,4,6-Tribromophenol	79.5			% Rec.		8270C	11/08/11	1
p-Terphenyl-d14	94.8			% Rec.		8270C	11/08/11	1

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RDL = Reported Detection Limit = LOQ = PQL = EQL
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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-04

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 17:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/07/11	1
Acrolein	U	0.031	0.050	mg/l	J4J6	8260B	11/07/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/07/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/07/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/07/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/07/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/07/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/07/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/07/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/07/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/07/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/07/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l	J6J3	8260B	11/07/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/07/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/07/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/07/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/07/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/07/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/07/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/07/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/07/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/07/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/07/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/07/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/07/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/07/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/07/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/07/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/07/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/07/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/07/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/07/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/07/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/07/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/07/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/07/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-04

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 17:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/07/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/07/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/07/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/07/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/07/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/07/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/07/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/07/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/07/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/07/11	1
Toluene	0.00032	0.00016	0.0050	mg/l	J	8260B	11/07/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/07/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/07/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/07/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/07/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/07/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/07/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/07/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/07/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/07/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/07/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/07/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/07/11	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/07/11	1
a,a,a-Trifluorotoluene	104.			% Rec.		8260B	11/07/11	1
4-Bromofluorobenzene	104.			% Rec.		8260B	11/07/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/08/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/08/11	1
Benzidine	U	0.0021	0.010	mg/l	J4	8270C	11/08/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/08/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/08/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/08/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/08/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/08/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/08/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-04

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 17:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/08/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/08/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/08/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/08/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/08/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/08/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/08/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/08/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/08/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/08/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/08/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/08/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/08/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/08/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/08/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/08/11	1
Di-n-butyl phthalate	0.00052	0.00028	0.0010	mg/l	JB	8270C	11/08/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/08/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/08/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/08/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/08/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/08/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/08/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/08/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/08/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/08/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/08/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/08/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/08/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
Surrogate Recovery								

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-04

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-156U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 17:25

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	25.2			% Rec.		8270C	11/08/11	1
Phenol-d5	16.6			% Rec.		8270C	11/08/11	1
Nitrobenzene-d5	73.2			% Rec.		8270C	11/08/11	1
2-Fluorobiphenyl	83.9			% Rec.		8270C	11/08/11	1
2,4,6-Tribromophenol	84.1			% Rec.		8270C	11/08/11	1
p-Terphenyl-d14	96.0			% Rec.		8270C	11/08/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-05

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-157U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:20

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	0.0010	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-05

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-157U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:20

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	0.00052	0.00029	0.0010	mg/l	J	8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	105.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	101.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/08/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/08/11	1
Benzidine	U	0.0021	0.010	mg/l	J4	8270C	11/08/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/08/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/08/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/08/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/08/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/08/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/08/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/08/11	1

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-05

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-157U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:20

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/08/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/08/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/08/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/08/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/08/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/08/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/08/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/08/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/08/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/08/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/08/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/08/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/08/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/08/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/08/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/08/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/08/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/08/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/08/11	1
Di-n-butyl phthalate	0.00038	0.00028	0.0010	mg/l	JB	8270C	11/08/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/08/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/08/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/08/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/08/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/08/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/08/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/08/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/08/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/08/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/08/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/08/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/08/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/08/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/08/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/08/11	1
Surrogate Recovery								

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-05

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-157U

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:20

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	21.5			% Rec.		8270C	11/08/11	1
Phenol-d5	13.9			% Rec.		8270C	11/08/11	1
Nitrobenzene-d5	73.6			% Rec.		8270C	11/08/11	1
2-Fluorobiphenyl	85.8			% Rec.		8270C	11/08/11	1
2,4,6-Tribromophenol	91.7			% Rec.		8270C	11/08/11	1
p-Terphenyl-d14	95.3			% Rec.		8270C	11/08/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-06

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-15L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:55

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	0.0033	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-06

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-15L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:55

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	0.0020	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	101.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/09/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/09/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/09/11	1
Benzidine	U	0.0021	0.010	mg/l	J3	8270C	11/09/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/09/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/09/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/09/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/09/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/09/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/09/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/09/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/09/11	1

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-06

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-15L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:55

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/09/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/09/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/09/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/09/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/09/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/09/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/09/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/09/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/09/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/09/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/09/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/09/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/09/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/09/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/09/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/09/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/09/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/09/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/09/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/09/11	1
Bis(2-ethylhexyl)phthalate	0.00058	0.00050	0.0010	mg/l	J	8270C	11/09/11	1
Di-n-butyl phthalate	0.00037	0.00028	0.0010	mg/l	J	8270C	11/09/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/09/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/09/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/09/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/09/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/09/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/09/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/09/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/09/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/09/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/09/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/09/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/09/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/09/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/09/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/09/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/09/11	1
Surrogate Recovery								

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Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-06

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : KC91-15L

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 18:55

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	22.2			% Rec.		8270C	11/09/11	1
Phenol-d5	15.5			% Rec.		8270C	11/09/11	1
Nitrobenzene-d5	66.6			% Rec.		8270C	11/09/11	1
2-Fluorobiphenyl	84.3			% Rec.		8270C	11/09/11	1
2,4,6-Tribromophenol	101.			% Rec.		8270C	11/09/11	1
p-Terphenyl-d14	118.			% Rec.		8270C	11/09/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-07

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : DUP

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-07

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : DUP

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	102.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	101.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/09/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/09/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/09/11	1
Benzidine	U	0.0021	0.010	mg/l	J3	8270C	11/09/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/09/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/09/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/09/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/09/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/09/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/09/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/09/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/09/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-07

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : DUP

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/09/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/09/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/09/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/09/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/09/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/09/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/09/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/09/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/09/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/09/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/09/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/09/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/09/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/09/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/09/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/09/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/09/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l		8270C	11/09/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/09/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/09/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/09/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/09/11	1
Di-n-butyl phthalate	0.00069	0.00028	0.0010	mg/l	J	8270C	11/09/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/09/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/09/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/09/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/09/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/09/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/09/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/09/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/09/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/09/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l		8270C	11/09/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/09/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/09/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/09/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l		8270C	11/09/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/09/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l		8270C	11/09/11	1
Surrogate Recovery								

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-07

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : DUP

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	18.8			% Rec.		8270C	11/09/11	1
Phenol-d5	14.9			% Rec.		8270C	11/09/11	1
Nitrobenzene-d5	62.2			% Rec.		8270C	11/09/11	1
2-Fluorobiphenyl	75.6			% Rec.		8270C	11/09/11	1
2,4,6-Tribromophenol	55.6			% Rec.		8270C	11/09/11	1
p-Terphenyl-d14	98.4			% Rec.		8270C	11/09/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-08

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : RINSATE BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 12:05

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	0.00038	0.00021	0.0010	mg/l	J	8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	0.00079	0.00022	0.0050	mg/l	J	8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-08

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : RINSATE BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 12:05

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	106.			% Rec.		8260B	11/04/11	1
Base/Neutral Extractables								
Acenaphthene	U	0.00018	0.0010	mg/l		8270C	11/07/11	1
Acenaphthylene	U	0.00021	0.0010	mg/l		8270C	11/07/11	1
Anthracene	U	0.00017	0.0010	mg/l		8270C	11/07/11	1
Benzidine	U	0.0021	0.010	mg/l	J3	8270C	11/07/11	1
Benzo(a)anthracene	U	0.00019	0.0010	mg/l		8270C	11/07/11	1
Benzo(b)fluoranthene	U	0.00038	0.0010	mg/l		8270C	11/07/11	1
Benzo(k)fluoranthene	U	0.00026	0.0010	mg/l		8270C	11/07/11	1
Benzo(g,h,i)perylene	U	0.00037	0.0010	mg/l		8270C	11/07/11	1
Benzo(a)pyrene	U	0.00027	0.0010	mg/l		8270C	11/07/11	1
Bis(2-chlorethoxy)methane	U	0.00021	0.010	mg/l		8270C	11/07/11	1
Bis(2-chloroethyl)ether	U	0.00021	0.010	mg/l		8270C	11/07/11	1
Bis(2-chloroisopropyl)ether	U	0.00031	0.010	mg/l		8270C	11/07/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-08

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : RINSATE BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 12:05

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
4-Bromophenyl-phenylether	U	0.00018	0.010	mg/l		8270C	11/07/11	1
2-Chloronaphthalene	U	0.00020	0.0010	mg/l		8270C	11/07/11	1
4-Chlorophenyl-phenylether	U	0.00017	0.010	mg/l		8270C	11/07/11	1
Chrysene	U	0.00013	0.0010	mg/l		8270C	11/07/11	1
Dibenz(a,h)anthracene	U	0.00025	0.0010	mg/l		8270C	11/07/11	1
3,3-Dichlorobenzidine	U	0.0017	0.010	mg/l		8270C	11/07/11	1
2,4-Dinitrotoluene	U	0.00022	0.010	mg/l		8270C	11/07/11	1
2,6-Dinitrotoluene	U	0.0014	0.010	mg/l		8270C	11/07/11	1
Fluoranthene	U	0.00034	0.0010	mg/l		8270C	11/07/11	1
Fluorene	U	0.00018	0.0010	mg/l		8270C	11/07/11	1
Hexachlorobenzene	U	0.00023	0.0010	mg/l		8270C	11/07/11	1
Hexachloro-1,3-butadiene	U	0.0026	0.010	mg/l		8270C	11/07/11	1
Hexachlorocyclopentadiene	U	0.0018	0.010	mg/l		8270C	11/07/11	1
Hexachloroethane	U	0.0031	0.010	mg/l		8270C	11/07/11	1
Indeno(1,2,3-cd)pyrene	U	0.00033	0.0010	mg/l		8270C	11/07/11	1
Isophorone	U	0.00024	0.010	mg/l		8270C	11/07/11	1
Naphthalene	U	0.00041	0.0010	mg/l		8270C	11/07/11	1
Nitrobenzene	U	0.00020	0.010	mg/l		8270C	11/07/11	1
n-Nitrosodimethylamine	U	0.0026	0.010	mg/l		8270C	11/07/11	1
n-Nitrosodiphenylamine	U	0.00014	0.010	mg/l	J4	8270C	11/07/11	1
n-Nitrosodi-n-propylamine	U	0.00031	0.010	mg/l		8270C	11/07/11	1
Phenanthrene	U	0.00020	0.0010	mg/l		8270C	11/07/11	1
Benzylbutyl phthalate	U	0.00040	0.0010	mg/l		8270C	11/07/11	1
Bis(2-ethylhexyl)phthalate	U	0.00050	0.0010	mg/l		8270C	11/07/11	1
Di-n-butyl phthalate	0.00044	0.00028	0.0010	mg/l	J	8270C	11/07/11	1
Diethyl phthalate	U	0.00036	0.0010	mg/l		8270C	11/07/11	1
Dimethyl phthalate	U	0.00034	0.0010	mg/l		8270C	11/07/11	1
Di-n-octyl phthalate	U	0.00028	0.0010	mg/l		8270C	11/07/11	1
Pyrene	U	0.00030	0.0010	mg/l		8270C	11/07/11	1
1,2,4-Trichlorobenzene	U	0.00035	0.010	mg/l		8270C	11/07/11	1
Acid Extractables								
4-Chloro-3-methylphenol	U	0.00023	0.010	mg/l		8270C	11/07/11	1
2-Chlorophenol	U	0.00019	0.010	mg/l		8270C	11/07/11	1
2,4-Dichlorophenol	U	0.00097	0.010	mg/l		8270C	11/07/11	1
2,4-Dimethylphenol	U	0.0013	0.010	mg/l		8270C	11/07/11	1
4,6-Dinitro-2-methylphenol	U	0.0026	0.010	mg/l	J3	8270C	11/07/11	1
2,4-Dinitrophenol	U	0.0023	0.010	mg/l		8270C	11/07/11	1
2-Nitrophenol	U	0.00028	0.010	mg/l		8270C	11/07/11	1
4-Nitrophenol	U	0.0027	0.010	mg/l		8270C	11/07/11	1
Pentachlorophenol	U	0.00041	0.010	mg/l	J3	8270C	11/07/11	1
Phenol	U	0.0011	0.010	mg/l		8270C	11/07/11	1
2,4,6-Trichlorophenol	U	0.00028	0.010	mg/l	J3	8270C	11/07/11	1
Surrogate Recovery								

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-08

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : RINSATE BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 12:05

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
2-Fluorophenol	13.1			% Rec.		8270C	11/07/11	1
Phenol-d5	17.2			% Rec.		8270C	11/07/11	1
Nitrobenzene-d5	66.1			% Rec.		8270C	11/07/11	1
2-Fluorobiphenyl	80.6			% Rec.		8270C	11/07/11	1
2,4,6-Tribromophenol	38.4			% Rec.		8270C	11/07/11	1
p-Terphenyl-d14	88.5			% Rec.		8270C	11/07/11	1

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REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-09

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : TRIP BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Volatile Organics								
Acetone	U	0.011	0.050	mg/l		8260B	11/04/11	1
Acrolein	U	0.031	0.050	mg/l	J4	8260B	11/04/11	1
Acrylonitrile	U	0.0017	0.010	mg/l		8260B	11/04/11	1
Benzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Bromobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Bromodichloromethane	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Bromoform	U	0.00046	0.0010	mg/l		8260B	11/04/11	1
Bromomethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
n-Butylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
sec-Butylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
tert-Butylbenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
Carbon tetrachloride	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Chlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
Chlorodibromomethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Chloroethane	U	0.0014	0.0050	mg/l		8260B	11/04/11	1
2-Chloroethyl vinyl ether	U	0.0027	0.050	mg/l		8260B	11/04/11	1
Chloroform	U	0.00022	0.0050	mg/l		8260B	11/04/11	1
Chloromethane	U	0.00046	0.0025	mg/l		8260B	11/04/11	1
2-Chlorotoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
4-Chlorotoluene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2-Dibromo-3-Chloropropane	U	0.0011	0.0050	mg/l		8260B	11/04/11	1
1,2-Dibromoethane	U	0.00044	0.0010	mg/l		8260B	11/04/11	1
Dibromomethane	U	0.00051	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichlorobenzene	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichlorobenzene	U	0.00025	0.0010	mg/l		8260B	11/04/11	1
1,4-Dichlorobenzene	U	0.00019	0.0010	mg/l		8260B	11/04/11	1
Dichlorodifluoromethane	U	0.00057	0.0050	mg/l		8260B	11/04/11	1
1,1-Dichloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloroethane	U	0.00026	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloroethene	U	0.00040	0.0010	mg/l		8260B	11/04/11	1
cis-1,2-Dichloroethene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
trans-1,2-Dichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,2-Dichloropropane	U	0.00047	0.0010	mg/l		8260B	11/04/11	1
1,1-Dichloropropene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
1,3-Dichloropropane	U	0.00037	0.0010	mg/l		8260B	11/04/11	1
cis-1,3-Dichloropropene	U	0.00023	0.0010	mg/l		8260B	11/04/11	1
trans-1,3-Dichloropropene	U	0.00039	0.0010	mg/l		8260B	11/04/11	1
2,2-Dichloropropane	U	0.00035	0.0010	mg/l		8260B	11/04/11	1
Di-isopropyl ether	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Ethylbenzene	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Hexachloro-1,3-butadiene	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Isopropylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 11/10/11 16:29 Revised: 11/16/11 14:31

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Wil King
Terracon - Lenexa, KS
13910 West 96th Terrace
Lenexa, KS 66215

November 16, 2011

ESC Sample # : L544884-09

Date Received : November 03, 2011
Description : Bannister Complex, KCMO

Site ID :

Sample ID : TRIP BLANK

Project # : 02107144

Collected By : Wil King
Collection Date : 11/01/11 00:00

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
p-Isopropyltoluene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
2-Butanone (MEK)	U	0.0030	0.010	mg/l		8260B	11/04/11	1
Methylene Chloride	U	0.00079	0.0050	mg/l		8260B	11/04/11	1
4-Methyl-2-pentanone (MIBK)	U	0.00080	0.010	mg/l		8260B	11/04/11	1
Methyl tert-butyl ether	U	0.00027	0.0010	mg/l		8260B	11/04/11	1
Naphthalene	U	0.00069	0.0050	mg/l		8260B	11/04/11	1
n-Propylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Styrene	U	0.00030	0.0010	mg/l	J4	8260B	11/04/11	1
1,1,1,2-Tetrachloroethane	U	0.00031	0.0010	mg/l		8260B	11/04/11	1
1,1,2,2-Tetrachloroethane	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichlorotrifluoroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Tetrachloroethene	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
Toluene	U	0.00016	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichlorobenzene	U	0.00030	0.0010	mg/l		8260B	11/04/11	1
1,2,4-Trichlorobenzene	U	0.00021	0.0010	mg/l		8260B	11/04/11	1
1,1,1-Trichloroethane	U	0.00024	0.0010	mg/l		8260B	11/04/11	1
1,1,2-Trichloroethane	U	0.00038	0.0010	mg/l		8260B	11/04/11	1
Trichloroethene	U	0.00029	0.0010	mg/l		8260B	11/04/11	1
Trichlorofluoromethane	U	0.00049	0.0050	mg/l		8260B	11/04/11	1
1,2,3-Trichloropropane	U	0.00052	0.0025	mg/l		8260B	11/04/11	1
1,2,4-Trimethylbenzene	U	0.00020	0.0010	mg/l		8260B	11/04/11	1
1,2,3-Trimethylbenzene	U	0.00017	0.0010	mg/l		8260B	11/04/11	1
1,3,5-Trimethylbenzene	U	0.00018	0.0010	mg/l		8260B	11/04/11	1
Vinyl chloride	U	0.00028	0.0010	mg/l		8260B	11/04/11	1
Xylenes, Total	U	0.00086	0.0030	mg/l		8260B	11/04/11	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.		8260B	11/04/11	1
a,a,a-Trifluorotoluene	103.			% Rec.		8260B	11/04/11	1
4-Bromofluorobenzene	103.			% Rec.		8260B	11/04/11	1

U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD
RDL = Reported Detection Limit = LOQ = PQL = EQL
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Reported: 11/10/11 16:29 Revised: 11/16/11 14:31

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L544884-01	WG563916	SAMP	Acrolein	R1923433	J4J6
	WG563916	SAMP	2-Chloroethyl vinyl ether	R1923433	J6J3
	WG563916	SAMP	Styrene	R1923433	J4
	WG564071	SAMP	n-Nitrosodiphenylamine	R1924417	J4
	WG564071	SAMP	Di-n-butyl phthalate	R1924417	J3
L544884-02	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG564274	SAMP	Benzidine	R1924813	J4
	WG564274	SAMP	n-Nitrosodi-n-propylamine	R1924813	J
	WG564274	SAMP	Di-n-butyl phthalate	R1924813	JB
	WG564274	SAMP	2-Chlorophenol	R1924813	J
L544884-03	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG564274	SAMP	Benzidine	R1924813	J4
	WG564274	SAMP	Di-n-butyl phthalate	R1924813	JB
L544884-04	WG564454	SAMP	Acrolein	R1923857	J4J6
	WG564454	SAMP	2-Chloroethyl vinyl ether	R1923857	J6J3
	WG564454	SAMP	Styrene	R1923857	J4
	WG564454	SAMP	Toluene	R1923857	J
	WG564274	SAMP	Benzidine	R1924813	J4
	WG564274	SAMP	Di-n-butyl phthalate	R1924813	JB
L544884-05	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG563916	SAMP	Trichloroethene	R1923433	J
	WG564274	SAMP	Benzidine	R1924813	J4
	WG564274	SAMP	Di-n-butyl phthalate	R1924813	JB
L544884-06	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG564565	SAMP	Benzidine	R1926993	J3
	WG564565	SAMP	Bis(2-ethylhexyl)phthalate	R1926993	J
	WG564565	SAMP	Di-n-butyl phthalate	R1926993	J
L544884-07	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4
	WG564565	SAMP	Benzidine	R1926993	J3
	WG564565	SAMP	Di-n-butyl phthalate	R1926993	J
L544884-08	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Bromodichloromethane	R1923433	J
	WG563916	SAMP	Chloroform	R1923433	J
	WG563916	SAMP	Styrene	R1923433	J4
	WG564071	SAMP	Benzidine	R1924417	J3
	WG564071	SAMP	n-Nitrosodiphenylamine	R1924417	J4
	WG564071	SAMP	Di-n-butyl phthalate	R1924417	J
	WG564071	SAMP	4,6-Dinitro-2-methylphenol	R1924417	J3
	WG564071	SAMP	Pentachlorophenol	R1924417	J3
	WG564071	SAMP	2,4,6-Trichlorophenol	R1924417	J3
L544884-09	WG563916	SAMP	Acrolein	R1923433	J4
	WG563916	SAMP	Styrene	R1923433	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B	(EPA) - The indicated compound was found in the associated method blank as well as the laboratory sample.
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Wil King
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Lenexa, KS 66215

Quality Assurance Report
Level II

L544884

November 16, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG563916	11/04/11 01:18
1,1,1-Trichloroethane	< .001	mg/l			WG563916	11/04/11 01:18
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG563916	11/04/11 01:18
1,1,2-Trichloroethane	< .001	mg/l			WG563916	11/04/11 01:18
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG563916	11/04/11 01:18
1,1-Dichloroethane	< .001	mg/l			WG563916	11/04/11 01:18
1,1-Dichloroethene	< .001	mg/l			WG563916	11/04/11 01:18
1,1-Dichloropropene	< .001	mg/l			WG563916	11/04/11 01:18
1,2,3-Trichlorobenzene	< .001	mg/l			WG563916	11/04/11 01:18
1,2,3-Trichloropropane	< .001	mg/l			WG563916	11/04/11 01:18
1,2,3-Trimethylbenzene	< .001	mg/l			WG563916	11/04/11 01:18
1,2,4-Trichlorobenzene	< .001	mg/l			WG563916	11/04/11 01:18
1,2,4-Trimethylbenzene	< .001	mg/l			WG563916	11/04/11 01:18
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG563916	11/04/11 01:18
1,2-Dibromoethane	< .001	mg/l			WG563916	11/04/11 01:18
1,2-Dichlorobenzene	< .001	mg/l			WG563916	11/04/11 01:18
1,2-Dichloroethane	< .001	mg/l			WG563916	11/04/11 01:18
1,2-Dichloropropane	< .001	mg/l			WG563916	11/04/11 01:18
1,3,5-Trimethylbenzene	< .001	mg/l			WG563916	11/04/11 01:18
1,3-Dichlorobenzene	< .001	mg/l			WG563916	11/04/11 01:18
1,3-Dichloropropane	< .001	mg/l			WG563916	11/04/11 01:18
1,4-Dichlorobenzene	< .001	mg/l			WG563916	11/04/11 01:18
2,2-Dichloropropane	< .001	mg/l			WG563916	11/04/11 01:18
2-Butanone (MEK)	< .01	mg/l			WG563916	11/04/11 01:18
2-Chloroethyl vinyl ether	< .05	mg/l			WG563916	11/04/11 01:18
2-Chlorotoluene	< .001	mg/l			WG563916	11/04/11 01:18
4-Chlorotoluene	< .001	mg/l			WG563916	11/04/11 01:18
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG563916	11/04/11 01:18
Acetone	< .05	mg/l			WG563916	11/04/11 01:18
Acrolein	< .025	mg/l			WG563916	11/04/11 01:18
Acrylonitrile	< .01	mg/l			WG563916	11/04/11 01:18
Benzene	< .001	mg/l			WG563916	11/04/11 01:18
Bromobenzene	< .001	mg/l			WG563916	11/04/11 01:18
Bromodichloromethane	< .001	mg/l			WG563916	11/04/11 01:18
Bromoform	< .001	mg/l			WG563916	11/04/11 01:18
Bromomethane	< .005	mg/l			WG563916	11/04/11 01:18
Carbon tetrachloride	< .001	mg/l			WG563916	11/04/11 01:18
Chlorobenzene	< .001	mg/l			WG563916	11/04/11 01:18
Chlorodibromomethane	< .001	mg/l			WG563916	11/04/11 01:18
Chloroethane	< .005	mg/l			WG563916	11/04/11 01:18
Chloroform	< .005	mg/l			WG563916	11/04/11 01:18
Chloromethane	< .0025	mg/l			WG563916	11/04/11 01:18
cis-1,2-Dichloroethene	< .001	mg/l			WG563916	11/04/11 01:18
cis-1,3-Dichloropropene	< .001	mg/l			WG563916	11/04/11 01:18
Di-isopropyl ether	< .001	mg/l			WG563916	11/04/11 01:18
Dibromomethane	< .001	mg/l			WG563916	11/04/11 01:18
Dichlorodifluoromethane	< .005	mg/l			WG563916	11/04/11 01:18
Ethylbenzene	< .001	mg/l			WG563916	11/04/11 01:18
Hexachloro-1,3-butadiene	< .001	mg/l			WG563916	11/04/11 01:18
Isopropylbenzene	< .001	mg/l			WG563916	11/04/11 01:18
Methyl tert-butyl ether	< .001	mg/l			WG563916	11/04/11 01:18
Methylene Chloride	< .005	mg/l			WG563916	11/04/11 01:18
n-Butylbenzene	< .001	mg/l			WG563916	11/04/11 01:18
n-Propylbenzene	< .001	mg/l			WG563916	11/04/11 01:18
Naphthalene	< .005	mg/l			WG563916	11/04/11 01:18
p-Isopropyltoluene	< .001	mg/l			WG563916	11/04/11 01:18
sec-Butylbenzene	< .001	mg/l			WG563916	11/04/11 01:18
Styrene	< .001	mg/l			WG563916	11/04/11 01:18
tert-Butylbenzene	< .001	mg/l			WG563916	11/04/11 01:18

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L544884

November 16, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Tetrachloroethene	< .001	mg/l			WG563916	11/04/11 01:18
Toluene	< .005	mg/l			WG563916	11/04/11 01:18
trans-1,2-Dichloroethene	< .001	mg/l			WG563916	11/04/11 01:18
trans-1,3-Dichloropropene	< .001	mg/l			WG563916	11/04/11 01:18
Trichloroethene	< .001	mg/l			WG563916	11/04/11 01:18
Trichlorofluoromethane	< .005	mg/l			WG563916	11/04/11 01:18
Vinyl chloride	< .001	mg/l			WG563916	11/04/11 01:18
Xylenes, Total	< .003	mg/l			WG563916	11/04/11 01:18
4-Bromofluorobenzene		% Rec.	100.4	82-120	WG563916	11/04/11 01:18
Toluene-d8		% Rec.	103.3	92-112	WG563916	11/04/11 01:18
a,a,a-Trifluorotoluene		% Rec.	103.8	90-116	WG563916	11/04/11 01:18
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG564454	11/07/11 15:28
1,1,1-Trichloroethane	< .001	mg/l			WG564454	11/07/11 15:28
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG564454	11/07/11 15:28
1,1,2-Trichloroethane	< .001	mg/l			WG564454	11/07/11 15:28
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG564454	11/07/11 15:28
1,1-Dichloroethane	< .001	mg/l			WG564454	11/07/11 15:28
1,1-Dichloroethene	< .001	mg/l			WG564454	11/07/11 15:28
1,1-Dichloropropene	< .001	mg/l			WG564454	11/07/11 15:28
1,2,3-Trichlorobenzene	< .001	mg/l			WG564454	11/07/11 15:28
1,2,3-Trichloropropane	< .001	mg/l			WG564454	11/07/11 15:28
1,2,3-Trimethylbenzene	< .001	mg/l			WG564454	11/07/11 15:28
1,2,4-Trichlorobenzene	< .001	mg/l			WG564454	11/07/11 15:28
1,2,4-Trimethylbenzene	< .001	mg/l			WG564454	11/07/11 15:28
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG564454	11/07/11 15:28
1,2-Dibromoethane	< .001	mg/l			WG564454	11/07/11 15:28
1,2-Dichlorobenzene	< .001	mg/l			WG564454	11/07/11 15:28
1,2-Dichloroethane	< .001	mg/l			WG564454	11/07/11 15:28
1,2-Dichloropropane	< .001	mg/l			WG564454	11/07/11 15:28
1,3,5-Trimethylbenzene	< .001	mg/l			WG564454	11/07/11 15:28
1,3-Dichlorobenzene	< .001	mg/l			WG564454	11/07/11 15:28
1,3-Dichloropropane	< .001	mg/l			WG564454	11/07/11 15:28
1,4-Dichlorobenzene	< .001	mg/l			WG564454	11/07/11 15:28
2,2-Dichloropropane	< .001	mg/l			WG564454	11/07/11 15:28
2-Butanone (MEK)	< .01	mg/l			WG564454	11/07/11 15:28
2-Chloroethyl vinyl ether	< .05	mg/l			WG564454	11/07/11 15:28
2-Chlorotoluene	< .001	mg/l			WG564454	11/07/11 15:28
4-Chlorotoluene	< .001	mg/l			WG564454	11/07/11 15:28
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG564454	11/07/11 15:28
Acetone	< .05	mg/l			WG564454	11/07/11 15:28
Acrolein	< .025	mg/l			WG564454	11/07/11 15:28
Acrylonitrile	< .01	mg/l			WG564454	11/07/11 15:28
Benzene	< .001	mg/l			WG564454	11/07/11 15:28
Bromobenzene	< .001	mg/l			WG564454	11/07/11 15:28
Bromodichloromethane	< .001	mg/l			WG564454	11/07/11 15:28
Bromoform	< .001	mg/l			WG564454	11/07/11 15:28
Bromomethane	< .005	mg/l			WG564454	11/07/11 15:28
Carbon tetrachloride	< .001	mg/l			WG564454	11/07/11 15:28
Chlorobenzene	< .001	mg/l			WG564454	11/07/11 15:28
Chlorodibromomethane	< .001	mg/l			WG564454	11/07/11 15:28
Chloroethane	< .005	mg/l			WG564454	11/07/11 15:28
Chloroform	< .005	mg/l			WG564454	11/07/11 15:28
Chloromethane	< .0025	mg/l			WG564454	11/07/11 15:28
cis-1,2-Dichloroethene	< .001	mg/l			WG564454	11/07/11 15:28
cis-1,3-Dichloropropene	< .001	mg/l			WG564454	11/07/11 15:28
Di-isopropyl ether	< .001	mg/l			WG564454	11/07/11 15:28
Dibromomethane	< .001	mg/l			WG564454	11/07/11 15:28

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Lenexa, KS 66215

Quality Assurance Report
Level II

L544884

November 16, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Dichlorodifluoromethane	< .005	mg/l			WG564454	11/07/11 15:28
Ethylbenzene	< .001	mg/l			WG564454	11/07/11 15:28
Hexachloro-1,3-butadiene	< .001	mg/l			WG564454	11/07/11 15:28
Isopropylbenzene	< .001	mg/l			WG564454	11/07/11 15:28
Methyl tert-butyl ether	< .001	mg/l			WG564454	11/07/11 15:28
Methylene Chloride	< .005	mg/l			WG564454	11/07/11 15:28
n-Butylbenzene	< .001	mg/l			WG564454	11/07/11 15:28
n-Propylbenzene	< .001	mg/l			WG564454	11/07/11 15:28
Naphthalene	< .005	mg/l			WG564454	11/07/11 15:28
p-Isopropyltoluene	< .001	mg/l			WG564454	11/07/11 15:28
sec-Butylbenzene	< .001	mg/l			WG564454	11/07/11 15:28
Styrene	< .001	mg/l			WG564454	11/07/11 15:28
tert-Butylbenzene	< .001	mg/l			WG564454	11/07/11 15:28
Tetrachloroethene	< .001	mg/l			WG564454	11/07/11 15:28
Toluene	< .005	mg/l			WG564454	11/07/11 15:28
trans-1,2-Dichloroethene	< .001	mg/l			WG564454	11/07/11 15:28
trans-1,3-Dichloropropene	< .001	mg/l			WG564454	11/07/11 15:28
Trichloroethene	< .001	mg/l			WG564454	11/07/11 15:28
Trichlorofluoromethane	< .005	mg/l			WG564454	11/07/11 15:28
Vinyl chloride	< .001	mg/l			WG564454	11/07/11 15:28
Xylenes, Total	< .003	mg/l			WG564454	11/07/11 15:28
4-Bromofluorobenzene		% Rec.	101.9	82-120	WG564454	11/07/11 15:28
Toluene-d8		% Rec.	102.8	92-112	WG564454	11/07/11 15:28
a,a,a-Trifluorotoluene		% Rec.	105.1	90-116	WG564454	11/07/11 15:28
1,2,4-Trichlorobenzene	< .01	mg/l			WG564071	11/07/11 10:10
2,4,6-Trichlorophenol	< .01	mg/l			WG564071	11/07/11 10:10
2,4-Dichlorophenol	< .01	mg/l			WG564071	11/07/11 10:10
2,4-Dimethylphenol	< .01	mg/l			WG564071	11/07/11 10:10
2,4-Dinitrophenol	< .01	mg/l			WG564071	11/07/11 10:10
2,4-Dinitrotoluene	< .01	mg/l			WG564071	11/07/11 10:10
2,6-Dinitrotoluene	< .01	mg/l			WG564071	11/07/11 10:10
2-Chloronaphthalene	< .001	mg/l			WG564071	11/07/11 10:10
2-Chlorophenol	< .01	mg/l			WG564071	11/07/11 10:10
2-Nitrophenol	< .01	mg/l			WG564071	11/07/11 10:10
3,3-Dichlorobenzidine	< .01	mg/l			WG564071	11/07/11 10:10
4,6-Dinitro-2-methylphenol	< .01	mg/l			WG564071	11/07/11 10:10
4-Bromophenyl-phenylether	< .01	mg/l			WG564071	11/07/11 10:10
4-Chloro-3-methylphenol	< .01	mg/l			WG564071	11/07/11 10:10
4-Chlorophenyl-phenylether	< .01	mg/l			WG564071	11/07/11 10:10
4-Nitrophenol	< .01	mg/l			WG564071	11/07/11 10:10
Acenaphthene	< .001	mg/l			WG564071	11/07/11 10:10
Acenaphthylene	< .001	mg/l			WG564071	11/07/11 10:10
Anthracene	< .001	mg/l			WG564071	11/07/11 10:10
Benzidine	< .01	mg/l			WG564071	11/07/11 10:10
Benzo(a)anthracene	< .001	mg/l			WG564071	11/07/11 10:10
Benzo(a)pyrene	< .001	mg/l			WG564071	11/07/11 10:10
Benzo(b)fluoranthene	< .001	mg/l			WG564071	11/07/11 10:10
Benzo(g,h,i)perylene	< .001	mg/l			WG564071	11/07/11 10:10
Benzo(k)fluoranthene	< .001	mg/l			WG564071	11/07/11 10:10
Benzylbutyl phthalate	< .001	mg/l			WG564071	11/07/11 10:10
Bis(2-chlorethoxy)methane	< .01	mg/l			WG564071	11/07/11 10:10
Bis(2-chloroethyl)ether	< .01	mg/l			WG564071	11/07/11 10:10
Bis(2-chloroisopropyl)ether	< .01	mg/l			WG564071	11/07/11 10:10
Bis(2-ethylhexyl)phthalate	< .001	mg/l			WG564071	11/07/11 10:10
Chrysene	< .001	mg/l			WG564071	11/07/11 10:10
Di-n-butyl phthalate	< .001	mg/l			WG564071	11/07/11 10:10
Di-n-octyl phthalate	< .001	mg/l			WG564071	11/07/11 10:10

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Quality Assurance Report
Level II

L544884

November 16, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Dibenz(a,h)anthracene	< .001	mg/l			WG564071	11/07/11 10:10
Diethyl phthalate	< .001	mg/l			WG564071	11/07/11 10:10
Dimethyl phthalate	< .001	mg/l			WG564071	11/07/11 10:10
Fluoranthene	< .001	mg/l			WG564071	11/07/11 10:10
Fluorene	< .001	mg/l			WG564071	11/07/11 10:10
Hexachloro-1,3-butadiene	< .01	mg/l			WG564071	11/07/11 10:10
Hexachlorobenzene	< .001	mg/l			WG564071	11/07/11 10:10
Hexachlorocyclopentadiene	< .01	mg/l			WG564071	11/07/11 10:10
Hexachloroethane	< .01	mg/l			WG564071	11/07/11 10:10
Indeno(1,2,3-cd)pyrene	< .001	mg/l			WG564071	11/07/11 10:10
Isophorone	< .01	mg/l			WG564071	11/07/11 10:10
n-Nitrosodi-n-propylamine	< .01	mg/l			WG564071	11/07/11 10:10
n-Nitrosodimethylamine	< .01	mg/l			WG564071	11/07/11 10:10
n-Nitrosodiphenylamine	< .01	mg/l			WG564071	11/07/11 10:10
Naphthalene	< .001	mg/l			WG564071	11/07/11 10:10
Nitrobenzene	< .01	mg/l			WG564071	11/07/11 10:10
Pentachlorophenol	< .001	mg/l			WG564071	11/07/11 10:10
Phenanthrene	< .001	mg/l			WG564071	11/07/11 10:10
Phenol	< .01	mg/l			WG564071	11/07/11 10:10
Pyrene	< .001	mg/l			WG564071	11/07/11 10:10
2,4,6-Tribromophenol		% Rec.	79.21	16-147	WG564071	11/07/11 10:10
2-Fluorobiphenyl		% Rec.	88.84	29-127	WG564071	11/07/11 10:10
2-Fluorophenol		% Rec.	27.56	10-75	WG564071	11/07/11 10:10
Nitrobenzene-d5		% Rec.	75.36	17-119	WG564071	11/07/11 10:10
Phenol-d5		% Rec.	25.73	10-63	WG564071	11/07/11 10:10
p-Terphenyl-d14		% Rec.	91.83	40-174	WG564071	11/07/11 10:10
1,2,4-Trichlorobenzene	< .01	mg/l			WG564274	11/08/11 14:48
2,4,6-Trichlorophenol	< .01	mg/l			WG564274	11/08/11 14:48
2,4-Dichlorophenol	< .01	mg/l			WG564274	11/08/11 14:48
2,4-Dimethylphenol	< .01	mg/l			WG564274	11/08/11 14:48
2,4-Dinitrophenol	< .01	mg/l			WG564274	11/08/11 14:48
2,4-Dinitrotoluene	< .01	mg/l			WG564274	11/08/11 14:48
2,6-Dinitrotoluene	< .01	mg/l			WG564274	11/08/11 14:48
2-Chloronaphthalene	< .001	mg/l			WG564274	11/08/11 14:48
2-Chlorophenol	< .01	mg/l			WG564274	11/08/11 14:48
2-Nitrophenol	< .01	mg/l			WG564274	11/08/11 14:48
3,3-Dichlorobenzidine	< .01	mg/l			WG564274	11/08/11 14:48
4,6-Dinitro-2-methylphenol	< .01	mg/l			WG564274	11/08/11 14:48
4-Bromophenyl-phenylether	< .01	mg/l			WG564274	11/08/11 14:48
4-Chloro-3-methylphenol	< .01	mg/l			WG564274	11/08/11 14:48
4-Chlorophenyl-phenylether	< .01	mg/l			WG564274	11/08/11 14:48
4-Nitrophenol	< .01	mg/l			WG564274	11/08/11 14:48
Acenaphthene	< .001	mg/l			WG564274	11/08/11 14:48
Acenaphthylene	< .001	mg/l			WG564274	11/08/11 14:48
Anthracene	< .001	mg/l			WG564274	11/08/11 14:48
Benzidine	< .01	mg/l			WG564274	11/08/11 14:48
Benzo(a)anthracene	< .001	mg/l			WG564274	11/08/11 14:48
Benzo(a)pyrene	< .001	mg/l			WG564274	11/08/11 14:48
Benzo(b)fluoranthene	< .001	mg/l			WG564274	11/08/11 14:48
Benzo(g,h,i)perylene	< .001	mg/l			WG564274	11/08/11 14:48
Benzo(k)fluoranthene	< .001	mg/l			WG564274	11/08/11 14:48
Benzylbutyl phthalate	< .001	mg/l			WG564274	11/08/11 14:48
Bis(2-chlorethoxy)methane	< .01	mg/l			WG564274	11/08/11 14:48
Bis(2-chloroethyl)ether	< .01	mg/l			WG564274	11/08/11 14:48
Bis(2-chloroisopropyl)ether	< .01	mg/l			WG564274	11/08/11 14:48
Bis(2-ethylhexyl)phthalate	< .001	mg/l			WG564274	11/08/11 14:48
Chrysene	< .001	mg/l			WG564274	11/08/11 14:48

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Di-n-butyl phthalate	< .001	mg/l			WG564274	11/08/11 14:48
Di-n-octyl phthalate	< .001	mg/l			WG564274	11/08/11 14:48
Dibenz(a,h)anthracene	< .001	mg/l			WG564274	11/08/11 14:48
Diethyl phthalate	< .001	mg/l			WG564274	11/08/11 14:48
Dimethyl phthalate	< .001	mg/l			WG564274	11/08/11 14:48
Fluoranthene	< .001	mg/l			WG564274	11/08/11 14:48
Fluorene	< .001	mg/l			WG564274	11/08/11 14:48
Hexachloro-1,3-butadiene	< .01	mg/l			WG564274	11/08/11 14:48
Hexachlorobenzene	< .001	mg/l			WG564274	11/08/11 14:48
Hexachlorocyclopentadiene	< .01	mg/l			WG564274	11/08/11 14:48
Hexachloroethane	< .01	mg/l			WG564274	11/08/11 14:48
Indeno(1,2,3-cd)pyrene	< .001	mg/l			WG564274	11/08/11 14:48
Isophorone	< .01	mg/l			WG564274	11/08/11 14:48
n-Nitrosodi-n-propylamine	< .01	mg/l			WG564274	11/08/11 14:48
n-Nitrosodimethylamine	< .01	mg/l			WG564274	11/08/11 14:48
n-Nitrosodiphenylamine	< .01	mg/l			WG564274	11/08/11 14:48
Naphthalene	< .001	mg/l			WG564274	11/08/11 14:48
Nitrobenzene	< .01	mg/l			WG564274	11/08/11 14:48
Pentachlorophenol	< .001	mg/l			WG564274	11/08/11 14:48
Phenanthrene	< .001	mg/l			WG564274	11/08/11 14:48
Phenol	< .01	mg/l			WG564274	11/08/11 14:48
Pyrene	< .001	mg/l			WG564274	11/08/11 14:48
2,4,6-Tribromophenol		% Rec.	94.16	16-147	WG564274	11/08/11 14:48
2-Fluorobiphenyl		% Rec.	88.64	29-127	WG564274	11/08/11 14:48
2-Fluorophenol		% Rec.	58.36	10-75	WG564274	11/08/11 14:48
Nitrobenzene-d5		% Rec.	74.17	17-119	WG564274	11/08/11 14:48
Phenol-d5		% Rec.	45.21	10-63	WG564274	11/08/11 14:48
p-Terphenyl-d14		% Rec.	100.8	40-174	WG564274	11/08/11 14:48
1,2,4-Trichlorobenzene	< .01	mg/l			WG564565	11/09/11 12:49
2,4,6-Trichlorophenol	< .01	mg/l			WG564565	11/09/11 12:49
2,4-Dichlorophenol	< .01	mg/l			WG564565	11/09/11 12:49
2,4-Dimethylphenol	< .01	mg/l			WG564565	11/09/11 12:49
2,4-Dinitrophenol	< .01	mg/l			WG564565	11/09/11 12:49
2,4-Dinitrotoluene	< .01	mg/l			WG564565	11/09/11 12:49
2,6-Dinitrotoluene	< .01	mg/l			WG564565	11/09/11 12:49
2-Chloronaphthalene	< .001	mg/l			WG564565	11/09/11 12:49
2-Chlorophenol	< .01	mg/l			WG564565	11/09/11 12:49
2-Nitrophenol	< .01	mg/l			WG564565	11/09/11 12:49
3,3-Dichlorobenzidine	< .01	mg/l			WG564565	11/09/11 12:49
4,6-Dinitro-2-methylphenol	< .01	mg/l			WG564565	11/09/11 12:49
4-Bromophenyl-phenylether	< .01	mg/l			WG564565	11/09/11 12:49
4-Chloro-3-methylphenol	< .01	mg/l			WG564565	11/09/11 12:49
4-Chlorophenyl-phenylether	< .01	mg/l			WG564565	11/09/11 12:49
4-Nitrophenol	< .01	mg/l			WG564565	11/09/11 12:49
Acenaphthene	< .001	mg/l			WG564565	11/09/11 12:49
Acenaphthylene	< .001	mg/l			WG564565	11/09/11 12:49
Anthracene	< .001	mg/l			WG564565	11/09/11 12:49
Benzidine	< .01	mg/l			WG564565	11/09/11 12:49
Benzo(a)anthracene	< .001	mg/l			WG564565	11/09/11 12:49
Benzo(a)pyrene	< .001	mg/l			WG564565	11/09/11 12:49
Benzo(b)fluoranthene	< .001	mg/l			WG564565	11/09/11 12:49
Benzo(g,h,i)perylene	< .001	mg/l			WG564565	11/09/11 12:49
Benzo(k)fluoranthene	< .001	mg/l			WG564565	11/09/11 12:49
Benzylbutyl phthalate	< .001	mg/l			WG564565	11/09/11 12:49
Bis(2-chlorethoxy)methane	< .01	mg/l			WG564565	11/09/11 12:49
Bis(2-chloroethyl)ether	< .01	mg/l			WG564565	11/09/11 12:49
Bis(2-chloroisopropyl)ether	< .01	mg/l			WG564565	11/09/11 12:49

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Bis(2-ethylhexyl)phthalate	< .001	mg/l			WG564565	11/09/11 12:49
Chrysene	< .001	mg/l			WG564565	11/09/11 12:49
Di-n-butyl phthalate	< .001	mg/l			WG564565	11/09/11 12:49
Di-n-octyl phthalate	< .001	mg/l			WG564565	11/09/11 12:49
Dibenz(a,h)anthracene	< .001	mg/l			WG564565	11/09/11 12:49
Diethyl phthalate	< .001	mg/l			WG564565	11/09/11 12:49
Dimethyl phthalate	< .001	mg/l			WG564565	11/09/11 12:49
Fluoranthene	< .001	mg/l			WG564565	11/09/11 12:49
Fluorene	< .001	mg/l			WG564565	11/09/11 12:49
Hexachloro-1,3-butadiene	< .01	mg/l			WG564565	11/09/11 12:49
Hexachlorobenzene	< .001	mg/l			WG564565	11/09/11 12:49
Hexachlorocyclopentadiene	< .01	mg/l			WG564565	11/09/11 12:49
Hexachloroethane	< .01	mg/l			WG564565	11/09/11 12:49
Indeno(1,2,3-cd)pyrene	< .001	mg/l			WG564565	11/09/11 12:49
Isophorone	< .01	mg/l			WG564565	11/09/11 12:49
n-Nitrosodi-n-propylamine	< .01	mg/l			WG564565	11/09/11 12:49
n-Nitrosodimethylamine	< .01	mg/l			WG564565	11/09/11 12:49
n-Nitrosodiphenylamine	< .01	mg/l			WG564565	11/09/11 12:49
Naphthalene	< .001	mg/l			WG564565	11/09/11 12:49
Nitrobenzene	< .01	mg/l			WG564565	11/09/11 12:49
Pentachlorophenol	< .001	mg/l			WG564565	11/09/11 12:49
Phenanthrene	< .001	mg/l			WG564565	11/09/11 12:49
Phenol	< .01	mg/l			WG564565	11/09/11 12:49
Pyrene	< .001	mg/l			WG564565	11/09/11 12:49
2,4,6-Tribromophenol		% Rec.	80.36	16-147	WG564565	11/09/11 12:49
2-Fluorobiphenyl		% Rec.	75.29	29-127	WG564565	11/09/11 12:49
2-Fluorophenol		% Rec.	42.86	10-75	WG564565	11/09/11 12:49
Nitrobenzene-d5		% Rec.	59.61	17-119	WG564565	11/09/11 12:49
Phenol-d5		% Rec.	33.56	10-63	WG564565	11/09/11 12:49
p-Terphenyl-d14		% Rec.	96.51	40-174	WG564565	11/09/11 12:49

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0227	90.9	77-128	WG563916
1,1,1-Trichloroethane	mg/l	.025	0.0228	91.2	71-126	WG563916
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0213	85.3	78-130	WG563916
1,1,2-Trichloroethane	mg/l	.025	0.0217	86.9	81-121	WG563916
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0209	83.7	53-143	WG563916
1,1-Dichloroethane	mg/l	.025	0.0227	90.8	73-123	WG563916
1,1-Dichloroethene	mg/l	.025	0.0217	86.6	54-134	WG563916
1,1-Dichloropropene	mg/l	.025	0.0225	90.0	67-127	WG563916
1,2,3-Trichlorobenzene	mg/l	.025	0.0213	85.2	77-130	WG563916
1,2,3-Trichloropropane	mg/l	.025	0.0219	87.7	68-130	WG563916
1,2,3-Trimethylbenzene	mg/l	.025	0.0206	82.4	70-127	WG563916
1,2,4-Trichlorobenzene	mg/l	.025	0.0220	88.1	76-127	WG563916
1,2,4-Trimethylbenzene	mg/l	.025	0.0218	87.1	77-129	WG563916
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0213	85.3	55-142	WG563916
1,2-Dibromoethane	mg/l	.025	0.0220	88.0	78-124	WG563916
1,2-Dichlorobenzene	mg/l	.025	0.0213	85.4	82-121	WG563916
1,2-Dichloroethane	mg/l	.025	0.0223	89.4	69-128	WG563916
1,2-Dichloropropane	mg/l	.025	0.0226	90.5	77-121	WG563916
1,3,5-Trimethylbenzene	mg/l	.025	0.0221	88.5	78-127	WG563916
1,3-Dichlorobenzene	mg/l	.025	0.0211	84.4	77-127	WG563916
1,3-Dichloropropane	mg/l	.025	0.0216	86.5	78-117	WG563916
1,4-Dichlorobenzene	mg/l	.025	0.0215	85.9	79-117	WG563916
2,2-Dichloropropane	mg/l	.025	0.0235	93.9	63-130	WG563916
2-Butanone (MEK)	mg/l	.125	0.110	87.9	58-144	WG563916
2-Chloroethyl vinyl ether	mg/l	.125	0.128	103.	26-172	WG563916

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Quality Assurance Report
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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
2-Chlorotoluene	mg/l	.025	0.0217	86.7	78-123	WG563916
4-Chlorotoluene	mg/l	.025	0.0219	87.5	78-122	WG563916
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.119	95.5	58-147	WG563916
Acetone	mg/l	.125	0.107	85.6	49-153	WG563916
Acrolein	mg/l	.125	0.00903	7.22*	10-181	WG563916
Acrylonitrile	mg/l	.125	0.112	89.7	53-153	WG563916
Benzene	mg/l	.025	0.0228	91.3	72-119	WG563916
Bromobenzene	mg/l	.025	0.0216	86.3	76-121	WG563916
Bromodichloromethane	mg/l	.025	0.0225	89.9	75-127	WG563916
Bromoform	mg/l	.025	0.0204	81.5	61-136	WG563916
Bromomethane	mg/l	.025	0.0212	85.0	42-172	WG563916
Carbon tetrachloride	mg/l	.025	0.0213	85.1	63-129	WG563916
Chlorobenzene	mg/l	.025	0.0217	86.6	78-123	WG563916
Chlorodibromomethane	mg/l	.025	0.0220	87.9	73-128	WG563916
Chloroethane	mg/l	.025	0.0257	103.	52-164	WG563916
Chloroform	mg/l	.025	0.0232	92.8	76-122	WG563916
Chloromethane	mg/l	.025	0.0227	90.9	50-141	WG563916
cis-1,2-Dichloroethene	mg/l	.025	0.0225	90.2	75-121	WG563916
cis-1,3-Dichloropropene	mg/l	.025	0.0228	91.4	74-124	WG563916
Di-isopropyl ether	mg/l	.025	0.0235	94.1	66-129	WG563916
Dibromomethane	mg/l	.025	0.0223	89.2	77-124	WG563916
Dichlorodifluoromethane	mg/l	.025	0.0240	96.1	33-173	WG563916
Ethylbenzene	mg/l	.025	0.0218	87.1	77-124	WG563916
Hexachloro-1,3-butadiene	mg/l	.025	0.0202	80.7	71-134	WG563916
Isopropylbenzene	mg/l	.025	0.0247	98.9	74-126	WG563916
Methyl tert-butyl ether	mg/l	.025	0.0236	94.4	67-127	WG563916
Methylene Chloride	mg/l	.025	0.0218	87.4	67-122	WG563916
n-Butylbenzene	mg/l	.025	0.0223	89.4	74-130	WG563916
n-Propylbenzene	mg/l	.025	0.0221	88.6	77-125	WG563916
Naphthalene	mg/l	.025	0.0203	81.3	70-134	WG563916
p-Isopropyltoluene	mg/l	.025	0.0227	90.7	77-132	WG563916
sec-Butylbenzene	mg/l	.025	0.0223	89.1	77-130	WG563916
Styrene	mg/l	.025	0.0161	64.3*	69-145	WG563916
tert-Butylbenzene	mg/l	.025	0.0224	89.8	76-131	WG563916
Tetrachloroethene	mg/l	.025	0.0209	83.5	75-121	WG563916
Toluene	mg/l	.025	0.0222	88.7	75-114	WG563916
trans-1,2-Dichloroethene	mg/l	.025	0.0216	86.2	63-127	WG563916
trans-1,3-Dichloropropene	mg/l	.025	0.0220	88.2	69-124	WG563916
Trichloroethene	mg/l	.025	0.0221	88.3	69-131	WG563916
Trichlorofluoromethane	mg/l	.025	0.0240	96.0	53-161	WG563916
Vinyl chloride	mg/l	.025	0.0235	94.1	55-142	WG563916
Xylenes, Total	mg/l	.075	0.0662	88.3	77-123	WG563916
4-Bromofluorobenzene				100.8	82-120	WG563916
Toluene-d8				103.9	92-112	WG563916
a,a,a-Trifluorotoluene				103.6	90-116	WG563916
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0221	88.4	77-128	WG564454
1,1,1-Trichloroethane	mg/l	.025	0.0211	84.4	71-126	WG564454
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0227	90.6	78-130	WG564454
1,1,2-Trichloroethane	mg/l	.025	0.0215	86.0	81-121	WG564454
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0174	69.5	53-143	WG564454
1,1-Dichloroethane	mg/l	.025	0.0209	83.5	73-123	WG564454
1,1-Dichloroethene	mg/l	.025	0.0173	69.3	54-134	WG564454
1,1-Dichloropropene	mg/l	.025	0.0193	77.1	67-127	WG564454
1,2,3-Trichlorobenzene	mg/l	.025	0.0221	88.3	77-130	WG564454
1,2,3-Trichloropropane	mg/l	.025	0.0235	94.1	68-130	WG564454
1,2,3-Trimethylbenzene	mg/l	.025	0.0204	81.5	70-127	WG564454
1,2,4-Trichlorobenzene	mg/l	.025	0.0230	91.8	76-127	WG564454

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,2,4-Trimethylbenzene	mg/l	.025	0.0215	85.9	77-129	WG564454
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0236	94.5	55-142	WG564454
1,2-Dibromoethane	mg/l	.025	0.0220	87.8	78-124	WG564454
1,2-Dichlorobenzene	mg/l	.025	0.0218	87.1	82-121	WG564454
1,2-Dichloroethane	mg/l	.025	0.0214	85.6	69-128	WG564454
1,2-Dichloropropane	mg/l	.025	0.0213	85.4	77-121	WG564454
1,3,5-Trimethylbenzene	mg/l	.025	0.0218	87.4	78-127	WG564454
1,3-Dichlorobenzene	mg/l	.025	0.0215	86.0	77-127	WG564454
1,3-Dichloropropane	mg/l	.025	0.0212	84.6	78-117	WG564454
1,4-Dichlorobenzene	mg/l	.025	0.0214	85.7	79-117	WG564454
2,2-Dichloropropane	mg/l	.025	0.0221	88.3	63-130	WG564454
2-Butanone (MEK)	mg/l	.125	0.121	97.0	58-144	WG564454
2-Chloroethyl vinyl ether	mg/l	.125	0.143	115.	26-172	WG564454
2-Chlorotoluene	mg/l	.025	0.0213	85.3	78-123	WG564454
4-Chlorotoluene	mg/l	.025	0.0217	86.8	78-122	WG564454
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.131	105.	58-147	WG564454
Acetone	mg/l	.125	0.124	99.2	49-153	WG564454
Acrolein	mg/l	.125	0.00789	6.31*	10-181	WG564454
Acrylonitrile	mg/l	.125	0.121	96.8	53-153	WG564454
Benzene	mg/l	.025	0.0203	81.3	72-119	WG564454
Bromobenzene	mg/l	.025	0.0212	84.9	76-121	WG564454
Bromodichloromethane	mg/l	.025	0.0212	84.9	75-127	WG564454
Bromoform	mg/l	.025	0.0199	79.8	61-136	WG564454
Bromomethane	mg/l	.025	0.0205	81.8	42-172	WG564454
Carbon tetrachloride	mg/l	.025	0.0186	74.5	63-129	WG564454
Chlorobenzene	mg/l	.025	0.0207	82.8	78-123	WG564454
Chlorodibromomethane	mg/l	.025	0.0214	85.5	73-128	WG564454
Chloroethane	mg/l	.025	0.0205	82.0	52-164	WG564454
Chloroform	mg/l	.025	0.0222	88.8	76-122	WG564454
Chloromethane	mg/l	.025	0.0182	72.6	50-141	WG564454
cis-1,2-Dichloroethene	mg/l	.025	0.0209	83.7	75-121	WG564454
cis-1,3-Dichloropropene	mg/l	.025	0.0217	86.8	74-124	WG564454
Di-isopropyl ether	mg/l	.025	0.0228	91.0	66-129	WG564454
Dibromomethane	mg/l	.025	0.0210	84.1	77-124	WG564454
Dichlorodifluoromethane	mg/l	.025	0.0205	81.9	33-173	WG564454
Ethylbenzene	mg/l	.025	0.0206	82.5	77-124	WG564454
Hexachloro-1,3-butadiene	mg/l	.025	0.0211	84.2	71-134	WG564454
Isopropylbenzene	mg/l	.025	0.0241	96.4	74-126	WG564454
Methyl tert-butyl ether	mg/l	.025	0.0236	94.3	67-127	WG564454
Methylene Chloride	mg/l	.025	0.0197	78.6	67-122	WG564454
n-Butylbenzene	mg/l	.025	0.0226	90.3	74-130	WG564454
n-Propylbenzene	mg/l	.025	0.0216	86.4	77-125	WG564454
Naphthalene	mg/l	.025	0.0215	86.0	70-134	WG564454
p-Isopropyltoluene	mg/l	.025	0.0227	90.6	77-132	WG564454
sec-Butylbenzene	mg/l	.025	0.0220	88.1	77-130	WG564454
Styrene	mg/l	.025	0.0157	62.7*	69-145	WG564454
tert-Butylbenzene	mg/l	.025	0.0221	88.4	76-131	WG564454
Tetrachloroethene	mg/l	.025	0.0190	76.0	75-121	WG564454
Toluene	mg/l	.025	0.0204	81.7	75-114	WG564454
trans-1,2-Dichloroethene	mg/l	.025	0.0178	71.1	63-127	WG564454
trans-1,3-Dichloropropene	mg/l	.025	0.0214	85.5	69-124	WG564454
Trichloroethene	mg/l	.025	0.0200	79.9	69-131	WG564454
Trichlorofluoromethane	mg/l	.025	0.0205	82.1	53-161	WG564454
Vinyl chloride	mg/l	.025	0.0191	76.3	55-142	WG564454
Xylenes, Total	mg/l	.075	0.0638	85.0	77-123	WG564454
4-Bromofluorobenzene				99.29	82-120	WG564454
Toluene-d8				102.8	92-112	WG564454
a,a,a-Trifluorotoluene				102.2	90-116	WG564454

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,2,4-Trichlorobenzene	mg/l	.01	0.00755	75.5	34-97	WG564071
2,4,6-Trichlorophenol	mg/l	.01	0.00640	64.0	38-113	WG564071
2,4-Dichlorophenol	mg/l	.01	0.00747	74.7	46-105	WG564071
2,4-Dimethylphenol	mg/l	.01	0.00841	84.1	47-108	WG564071
2,4-Dinitrophenol	mg/l	.01	0.00452	45.2	10-121	WG564071
2,4-Dinitrotoluene	mg/l	.01	0.00819	81.9	59-117	WG564071
2,6-Dinitrotoluene	mg/l	.01	0.00903	90.3	57-110	WG564071
2-Chloronaphthalene	mg/l	.01	0.00853	85.3	47-106	WG564071
2-Chlorophenol	mg/l	.01	0.00624	62.4	37-90	WG564071
2-Nitrophenol	mg/l	.01	0.00757	75.7	40-112	WG564071
3,3-Dichlorobenzidine	mg/l	.01	0.00997	99.7	58-116	WG564071
4,6-Dinitro-2-methylphenol	mg/l	.01	0.00517	51.7	21-119	WG564071
4-Bromophenyl-phenylether	mg/l	.01	0.00906	90.6	63-120	WG564071
4-Chloro-3-methylphenol	mg/l	.01	0.00740	74.0	50-105	WG564071
4-Chlorophenyl-phenylether	mg/l	.01	0.00900	90.0	58-115	WG564071
4-Nitrophenol	mg/l	.01	0.00190	19.0	10-53	WG564071
Acenaphthene	mg/l	.01	0.00888	88.8	52-107	WG564071
Acenaphthylene	mg/l	.01	0.00921	92.1	55-119	WG564071
Anthracene	mg/l	.01	0.00927	92.7	65-114	WG564071
Benzidine	mg/l	.01	0.00289	28.9	10-55	WG564071
Benzo(a)anthracene	mg/l	.01	0.00878	87.8	68-113	WG564071
Benzo(a)pyrene	mg/l	.01	0.00891	89.1	68-115	WG564071
Benzo(b)fluoranthene	mg/l	.01	0.00870	87.0	67-114	WG564071
Benzo(g,h,i)perylene	mg/l	.01	0.00881	88.1	52-132	WG564071
Benzo(k)fluoranthene	mg/l	.01	0.00882	88.2	62-116	WG564071
Benzylbutyl phthalate	mg/l	.01	0.00793	79.3	12-166	WG564071
Bis(2-chlorethoxy)methane	mg/l	.01	0.00869	86.9	56-116	WG564071
Bis(2-chloroethyl)ether	mg/l	.01	0.00833	83.3	39-109	WG564071
Bis(2-chloroisopropyl)ether	mg/l	.01	0.00812	81.2	43-108	WG564071
Bis(2-ethylhexyl)phthalate	mg/l	.01	0.00889	88.9	61-147	WG564071
Chrysene	mg/l	.01	0.00861	86.1	65-114	WG564071
Di-n-butyl phthalate	mg/l	.01	0.00933	93.3	56-133	WG564071
Di-n-octyl phthalate	mg/l	.01	0.00880	88.0	59-143	WG564071
Dibenz(a,h)anthracene	mg/l	.01	0.00960	96.0	54-130	WG564071
Diethyl phthalate	mg/l	.01	0.00815	81.5	33-136	WG564071
Dimethyl phthalate	mg/l	.01	0.00718	71.8	10-152	WG564071
Fluoranthene	mg/l	.01	0.00899	89.9	66-120	WG564071
Fluorene	mg/l	.01	0.00910	91.0	58-110	WG564071
Hexachloro-1,3-butadiene	mg/l	.01	0.00810	81.0	34-115	WG564071
Hexachlorobenzene	mg/l	.01	0.00830	83.0	55-117	WG564071
Hexachlorocyclopentadiene	mg/l	.01	0.00816	81.6	20-121	WG564071
Hexachloroethane	mg/l	.01	0.00698	69.8	24-93	WG564071
Indeno(1,2,3-cd)pyrene	mg/l	.01	0.00930	93.0	56-129	WG564071
Isophorone	mg/l	.01	0.00713	71.3	55-108	WG564071
n-Nitrosodi-n-propylamine	mg/l	.01	0.00818	81.8	50-115	WG564071
n-Nitrosodimethylamine	mg/l	.01	0.00453	45.3	12-68	WG564071
n-Nitrosodiphenylamine	mg/l	.01	0.00899	89.9	55-98	WG564071
Naphthalene	mg/l	.01	0.00849	84.9	42-103	WG564071
Nitrobenzene	mg/l	.01	0.00828	82.8	39-102	WG564071
Pentachlorophenol	mg/l	.01	0.00465	46.5	10-101	WG564071
Phenanthrene	mg/l	.01	0.00902	90.2	61-110	WG564071
Phenol	mg/l	.01	0.00232	23.2	10-53	WG564071
Pyrene	mg/l	.01	0.00899	89.9	65-116	WG564071
2,4,6-Tribromophenol				67.52	16-147	WG564071
2-Fluorobiphenyl				86.62	29-127	WG564071
2-Fluorophenol				34.12	10-75	WG564071
Nitrobenzene-d5				81.27	17-119	WG564071
Phenol-d5				26.14	10-63	WG564071

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
p-Terphenyl-d14				90.11	40-174	
1,2,4-Trichlorobenzene	mg/l	.01	0.00699	69.9	34-97	WG564274
2,4,6-Trichlorophenol	mg/l	.01	0.00873	87.3	38-113	WG564274
2,4-Dichlorophenol	mg/l	.01	0.00819	81.9	46-105	WG564274
2,4-Dimethylphenol	mg/l	.01	0.00874	87.4	47-108	WG564274
2,4-Dinitrophenol	mg/l	.01	0.00972	97.2	10-121	WG564274
2,4-Dinitrotoluene	mg/l	.01	0.00880	88.0	59-117	WG564274
2,6-Dinitrotoluene	mg/l	.01	0.00848	84.8	57-110	WG564274
2-Chloronaphthalene	mg/l	.01	0.00788	78.8	47-106	WG564274
2-Chlorophenol	mg/l	.01	0.00720	72.0	37-90	WG564274
2-Nitrophenol	mg/l	.01	0.00853	85.3	40-112	WG564274
3,3-Dichlorobenzidine	mg/l	.01	0.00651	65.1	58-116	WG564274
4,6-Dinitro-2-methylphenol	mg/l	.01	0.00909	90.9	21-119	WG564274
4-Bromophenyl-phenylether	mg/l	.01	0.00816	81.6	63-120	WG564274
4-Chloro-3-methylphenol	mg/l	.01	0.00857	85.7	50-105	WG564274
4-Chlorophenyl-phenylether	mg/l	.01	0.00783	78.3	58-115	WG564274
4-Nitrophenol	mg/l	.01	0.00418	41.8	10-53	WG564274
Acenaphthene	mg/l	.01	0.00795	79.5	52-107	WG564274
Acenaphthylene	mg/l	.01	0.00817	81.7	55-119	WG564274
Anthracene	mg/l	.01	0.00878	87.8	65-114	WG564274
Benzidine	mg/l	.01	0.00558	55.8*	10-55	WG564274
Benzo(a)anthracene	mg/l	.01	0.00849	84.9	68-113	WG564274
Benzo(a)pyrene	mg/l	.01	0.00830	83.0	68-115	WG564274
Benzo(b)fluoranthene	mg/l	.01	0.00838	83.8	67-114	WG564274
Benzo(g,h,i)perylene	mg/l	.01	0.00929	92.9	52-132	WG564274
Benzo(k)fluoranthene	mg/l	.01	0.00858	85.8	62-116	WG564274
Benzylbutyl phthalate	mg/l	.01	0.00888	88.8	12-166	WG564274
Bis(2-chlorethoxy)methane	mg/l	.01	0.00817	81.7	56-116	WG564274
Bis(2-chloroethyl)ether	mg/l	.01	0.00664	66.4	39-109	WG564274
Bis(2-chloroisopropyl)ether	mg/l	.01	0.00772	77.2	43-108	WG564274
Bis(2-ethylhexyl)phthalate	mg/l	.01	0.00899	89.9	61-147	WG564274
Chrysene	mg/l	.01	0.00860	86.0	65-114	WG564274
Di-n-butyl phthalate	mg/l	.01	0.00919	91.9	56-133	WG564274
Di-n-octyl phthalate	mg/l	.01	0.00897	89.7	59-143	WG564274
Dibenz(a,h)anthracene	mg/l	.01	0.00941	94.1	54-130	WG564274
Diethyl phthalate	mg/l	.01	0.00858	85.8	33-136	WG564274
Dimethyl phthalate	mg/l	.01	0.00864	86.4	10-152	WG564274
Fluoranthene	mg/l	.01	0.00861	86.1	66-120	WG564274
Fluorene	mg/l	.01	0.00806	80.6	58-110	WG564274
Hexachloro-1,3-butadiene	mg/l	.01	0.00708	70.8	34-115	WG564274
Hexachlorobenzene	mg/l	.01	0.00694	69.4	55-117	WG564274
Hexachlorocyclopentadiene	mg/l	.01	0.00824	82.4	20-121	WG564274
Hexachloroethane	mg/l	.01	0.00693	69.3	24-93	WG564274
Indeno(1,2,3-cd)pyrene	mg/l	.01	0.00900	90.0	56-129	WG564274
Isophorone	mg/l	.01	0.00707	70.7	55-108	WG564274
n-Nitrosodi-n-propylamine	mg/l	.01	0.00788	78.8	50-115	WG564274
n-Nitrosodimethylamine	mg/l	.01	0.00396	39.6	12-68	WG564274
n-Nitrosodiphenylamine	mg/l	.01	0.00831	83.2	55-98	WG564274
Naphthalene	mg/l	.01	0.00762	76.2	42-103	WG564274
Nitrobenzene	mg/l	.01	0.00786	78.6	39-102	WG564274
Pentachlorophenol	mg/l	.01	0.00752	75.2	10-101	WG564274
Phenanthrene	mg/l	.01	0.00822	82.2	61-110	WG564274
Phenol	mg/l	.01	0.00373	37.3	10-53	WG564274
Pyrene	mg/l	.01	0.00877	87.7	65-116	WG564274
2,4,6-Tribromophenol				89.87	16-147	WG564274
2-Fluorobiphenyl				79.28	29-127	WG564274
2-Fluorophenol				53.77	10-75	WG564274
Nitrobenzene-d5				80.21	17-119	WG564274
Phenol-d5				41.75	10-63	WG564274

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Terracon - Lenexa, KS
Wil King
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Lenexa, KS 66215

Quality Assurance Report
Level II

L544884

November 16, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
p-Terphenyl-d14				91.21	40-174	
1,2,4-Trichlorobenzene	mg/l	.01	0.00584	58.4	34-97	WG564565
2,4,6-Trichlorophenol	mg/l	.01	0.00793	79.3	38-113	WG564565
2,4-Dichlorophenol	mg/l	.01	0.00746	74.6	46-105	WG564565
2,4-Dimethylphenol	mg/l	.01	0.00701	70.1	47-108	WG564565
2,4-Dinitrophenol	mg/l	.01	0.00810	81.0	10-121	WG564565
2,4-Dinitrotoluene	mg/l	.01	0.00863	86.3	59-117	WG564565
2,6-Dinitrotoluene	mg/l	.01	0.00822	82.2	57-110	WG564565
2-Chloronaphthalene	mg/l	.01	0.00718	71.8	47-106	WG564565
2-Chlorophenol	mg/l	.01	0.00624	62.4	37-90	WG564565
2-Nitrophenol	mg/l	.01	0.00742	74.2	40-112	WG564565
3,3-Dichlorobenzidine	mg/l	.01	0.00801	80.1	58-116	WG564565
4,6-Dinitro-2-methylphenol	mg/l	.01	0.00785	78.5	21-119	WG564565
4-Bromophenyl-phenylether	mg/l	.01	0.00810	81.0	63-120	WG564565
4-Chloro-3-methylphenol	mg/l	.01	0.00817	81.7	50-105	WG564565
4-Chlorophenyl-phenylether	mg/l	.01	0.00774	77.4	58-115	WG564565
4-Nitrophenol	mg/l	.01	0.00332	33.2	10-53	WG564565
Acenaphthene	mg/l	.01	0.00746	74.6	52-107	WG564565
Acenaphthylene	mg/l	.01	0.00774	77.4	55-119	WG564565
Anthracene	mg/l	.01	0.00891	89.1	65-114	WG564565
Benzidine	mg/l	.01	0.00284	28.4	10-55	WG564565
Benzo(a)anthracene	mg/l	.01	0.00877	87.7	68-113	WG564565
Benzo(a)pyrene	mg/l	.01	0.00807	80.7	68-115	WG564565
Benzo(b)fluoranthene	mg/l	.01	0.00845	84.5	67-114	WG564565
Benzo(g,h,i)perylene	mg/l	.01	0.00939	93.9	52-132	WG564565
Benzo(k)fluoranthene	mg/l	.01	0.00822	82.2	62-116	WG564565
Benzylbutyl phthalate	mg/l	.01	0.00966	96.6	12-166	WG564565
Bis(2-chlorethoxy)methane	mg/l	.01	0.00741	74.1	56-116	WG564565
Bis(2-chloroethyl)ether	mg/l	.01	0.00614	61.4	39-109	WG564565
Bis(2-chloroisopropyl)ether	mg/l	.01	0.00645	64.5	43-108	WG564565
Bis(2-ethylhexyl)phthalate	mg/l	.01	0.00988	98.8	61-147	WG564565
Chrysene	mg/l	.01	0.00863	86.3	65-114	WG564565
Di-n-butyl phthalate	mg/l	.01	0.00913	91.3	56-133	WG564565
Di-n-octyl phthalate	mg/l	.01	0.00993	99.4	59-143	WG564565
Dibenz(a,h)anthracene	mg/l	.01	0.00949	94.9	54-130	WG564565
Diethyl phthalate	mg/l	.01	0.00900	90.0	33-136	WG564565
Dimethyl phthalate	mg/l	.01	0.00840	84.0	10-152	WG564565
Fluoranthene	mg/l	.01	0.00838	83.8	66-120	WG564565
Fluorene	mg/l	.01	0.00781	78.1	58-110	WG564565
Hexachloro-1,3-butadiene	mg/l	.01	0.00603	60.3	34-115	WG564565
Hexachlorobenzene	mg/l	.01	0.00722	72.2	55-117	WG564565
Hexachlorocyclopentadiene	mg/l	.01	0.00658	65.8	20-121	WG564565
Hexachloroethane	mg/l	.01	0.00550	55.0	24-93	WG564565
Indeno(1,2,3-cd)pyrene	mg/l	.01	0.00912	91.2	56-129	WG564565
Isophorone	mg/l	.01	0.00634	63.4	55-108	WG564565
n-Nitrosodi-n-propylamine	mg/l	.01	0.00720	72.0	50-115	WG564565
n-Nitrosodimethylamine	mg/l	.01	0.00342	34.2	12-68	WG564565
n-Nitrosodiphenylamine	mg/l	.01	0.00821	82.1	55-98	WG564565
Naphthalene	mg/l	.01	0.00671	67.1	42-103	WG564565
Nitrobenzene	mg/l	.01	0.00657	65.7	39-102	WG564565
Pentachlorophenol	mg/l	.01	0.00735	73.5	10-101	WG564565
Phenanthrene	mg/l	.01	0.00819	81.9	61-110	WG564565
Phenol	mg/l	.01	0.00296	29.6	10-53	WG564565
Pyrene	mg/l	.01	0.00878	87.8	65-116	WG564565
2,4,6-Tribromophenol				90.08	16-147	WG564565
2-Fluorobiphenyl				71.39	29-127	WG564565
2-Fluorophenol				43.64	10-75	WG564565
Nitrobenzene-d5				65.66	17-119	WG564565
Phenol-d5				33.44	10-63	WG564565

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Lenexa, KS 66215

Quality Assurance Report
Level II

L544884

November 16, 2011

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
p-Terphenyl-d14					95.29	40-174		

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0230	0.0227	92.0	77-128	1.40	20	WG563916
1,1,1-Trichloroethane	mg/l	0.0235	0.0228	94.0	71-126	2.95	20	WG563916
1,1,2,2-Tetrachloroethane	mg/l	0.0220	0.0213	88.0	78-130	3.02	20	WG563916
1,1,2-Trichloroethane	mg/l	0.0220	0.0217	88.0	81-121	1.40	20	WG563916
1,1,2-Trichlorotrifluoroethane	mg/l	0.0210	0.0209	84.0	53-143	0.530	20	WG563916
1,1-Dichloroethane	mg/l	0.0234	0.0227	94.0	73-123	3.01	20	WG563916
1,1-Dichloroethene	mg/l	0.0221	0.0217	88.0	54-134	2.25	20	WG563916
1,1-Dichloropropene	mg/l	0.0230	0.0225	92.0	67-127	2.24	20	WG563916
1,2,3-Trichlorobenzene	mg/l	0.0226	0.0213	90.0	77-130	5.84	20	WG563916
1,2,3-Trichloropropane	mg/l	0.0222	0.0219	89.0	68-130	1.12	20	WG563916
1,2,3-Trimethylbenzene	mg/l	0.0213	0.0206	85.0	70-127	3.37	20	WG563916
1,2,4-Trichlorobenzene	mg/l	0.0232	0.0220	93.0	76-127	5.36	20	WG563916
1,2,4-Trimethylbenzene	mg/l	0.0221	0.0218	88.0	77-129	1.48	20	WG563916
1,2-Dibromo-3-Chloropropane	mg/l	0.0233	0.0213	93.0	55-142	8.81	20	WG563916
1,2-Dibromoethane	mg/l	0.0227	0.0220	91.0	78-124	3.28	20	WG563916
1,2-Dichlorobenzene	mg/l	0.0221	0.0213	88.0	82-121	3.36	20	WG563916
1,2-Dichloroethane	mg/l	0.0230	0.0223	92.0	69-128	2.77	20	WG563916
1,2-Dichloropropane	mg/l	0.0233	0.0226	93.0	77-121	2.76	20	WG563916
1,3,5-Trimethylbenzene	mg/l	0.0227	0.0221	91.0	78-127	2.45	20	WG563916
1,3-Dichlorobenzene	mg/l	0.0216	0.0211	86.0	77-127	2.32	20	WG563916
1,3-Dichloropropane	mg/l	0.0221	0.0216	88.0	78-117	2.08	20	WG563916
1,4-Dichlorobenzene	mg/l	0.0224	0.0215	90.0	79-117	4.26	20	WG563916
2,2-Dichloropropane	mg/l	0.0243	0.0235	97.0	63-130	3.59	20	WG563916
2-Butanone (MEK)	mg/l	0.115	0.110	92.0	58-144	4.54	20	WG563916
2-Chloroethyl vinyl ether	mg/l	0.135	0.128	108.	26-172	5.37	22	WG563916
2-Chlorotoluene	mg/l	0.0220	0.0217	88.0	78-123	1.71	20	WG563916
4-Chlorotoluene	mg/l	0.0222	0.0219	89.0	78-122	1.42	20	WG563916
4-Methyl-2-pentanone (MIBK)	mg/l	0.125	0.119	100.	58-147	4.72	20	WG563916
Acetone	mg/l	0.108	0.107	86.0	49-153	0.540	21	WG563916
Acrolein	mg/l	0.00721	0.00903	6*	10-181	22.4	30	WG563916
Acrylonitrile	mg/l	0.117	0.112	94.0	53-153	4.62	20	WG563916
Benzene	mg/l	0.0233	0.0228	93.0	72-119	1.98	20	WG563916
Bromobenzene	mg/l	0.0219	0.0216	88.0	76-121	1.45	20	WG563916
Bromodichloromethane	mg/l	0.0234	0.0225	94.0	75-127	4.11	20	WG563916
Bromoform	mg/l	0.0205	0.0204	82.0	61-136	0.470	20	WG563916
Bromomethane	mg/l	0.0217	0.0212	87.0	42-172	1.95	20	WG563916
Carbon tetrachloride	mg/l	0.0219	0.0213	87.0	63-129	2.74	20	WG563916
Chlorobenzene	mg/l	0.0218	0.0217	87.0	78-123	0.900	20	WG563916
Chlorodibromomethane	mg/l	0.0224	0.0220	89.0	73-128	1.75	20	WG563916
Chloroethane	mg/l	0.0253	0.0257	101.	52-164	1.65	20	WG563916
Chloroform	mg/l	0.0237	0.0232	95.0	76-122	2.30	20	WG563916
Chloromethane	mg/l	0.0232	0.0227	93.0	50-141	1.99	20	WG563916
cis-1,2-Dichloroethene	mg/l	0.0233	0.0225	93.0	75-121	3.39	20	WG563916
cis-1,3-Dichloropropene	mg/l	0.0237	0.0228	95.0	74-124	3.80	20	WG563916
Di-isopropyl ether	mg/l	0.0242	0.0235	97.0	66-129	2.86	20	WG563916
Dibromomethane	mg/l	0.0229	0.0223	92.0	77-124	2.74	20	WG563916
Dichlorodifluoromethane	mg/l	0.0250	0.0240	100.	33-173	3.94	20	WG563916
Ethylbenzene	mg/l	0.0220	0.0218	88.0	77-124	1.18	20	WG563916
Hexachloro-1,3-butadiene	mg/l	0.0214	0.0202	85.0	71-134	5.76	20	WG563916
Isopropylbenzene	mg/l	0.0249	0.0247	100.	74-126	0.860	20	WG563916
Methyl tert-butyl ether	mg/l	0.0243	0.0236	97.0	67-127	2.93	20	WG563916
Methylene Chloride	mg/l	0.0226	0.0218	90.0	67-122	3.43	20	WG563916
n-Butylbenzene	mg/l	0.0234	0.0223	94.0	74-130	4.70	20	WG563916
n-Propylbenzene	mg/l	0.0224	0.0221	90.0	77-125	1.25	20	WG563916

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Quality Assurance Report
Level II

L544884

November 16, 2011

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Naphthalene	mg/l	0.0218	0.0203	87.0	70-134	7.20	20	WG563916
p-Isopropyltoluene	mg/l	0.0231	0.0227	92.0	77-132	1.79	20	WG563916
sec-Butylbenzene	mg/l	0.0225	0.0223	90.0	77-130	1.08	20	WG563916
Styrene	mg/l	0.0163	0.0161	65*	69-145	1.65	20	WG563916
tert-Butylbenzene	mg/l	0.0229	0.0224	91.0	76-131	1.90	20	WG563916
Tetrachloroethene	mg/l	0.0210	0.0209	84.0	75-121	0.630	20	WG563916
Toluene	mg/l	0.0228	0.0222	91.0	75-114	2.91	20	WG563916
trans-1,2-Dichloroethene	mg/l	0.0221	0.0216	88.0	63-127	2.49	20	WG563916
trans-1,3-Dichloropropene	mg/l	0.0227	0.0220	91.0	69-124	2.91	20	WG563916
Trichloroethene	mg/l	0.0224	0.0221	90.0	69-131	1.59	20	WG563916
Trichlorofluoromethane	mg/l	0.0243	0.0240	97.0	53-161	1.25	20	WG563916
Vinyl chloride	mg/l	0.0242	0.0235	97.0	55-142	2.90	20	WG563916
Xylenes, Total	mg/l	0.0674	0.0662	90.0	77-123	1.74	20	WG563916
4-Bromofluorobenzene				98.13	82-120			WG563916
Toluene-d8				103.6	92-112			WG563916
a,a,a-Trifluorotoluene				102.8	90-116			WG563916
1,1,1,2-Tetrachloroethane	mg/l	0.0239	0.0221	96.0	77-128	7.71	20	WG564454
1,1,1-Trichloroethane	mg/l	0.0216	0.0211	86.0	71-126	2.21	20	WG564454
1,1,2,2-Tetrachloroethane	mg/l	0.0244	0.0227	97.0	78-130	7.26	20	WG564454
1,1,2-Trichloroethane	mg/l	0.0237	0.0215	95.0	81-121	9.59	20	WG564454
1,1,2-Trichlorotrifluoroethane	mg/l	0.0177	0.0174	71.0	53-143	1.68	20	WG564454
1,1-Dichloroethane	mg/l	0.0214	0.0209	86.0	73-123	2.38	20	WG564454
1,1-Dichloroethene	mg/l	0.0175	0.0173	70.0	54-134	0.740	20	WG564454
1,1-Dichloropropene	mg/l	0.0195	0.0193	78.0	67-127	1.27	20	WG564454
1,2,3-Trichlorobenzene	mg/l	0.0230	0.0221	92.0	77-130	3.92	20	WG564454
1,2,3-Trichloropropane	mg/l	0.0245	0.0235	98.0	68-130	4.05	20	WG564454
1,2,3-Trimethylbenzene	mg/l	0.0213	0.0204	85.0	70-127	4.53	20	WG564454
1,2,4-Trichlorobenzene	mg/l	0.0242	0.0230	97.0	76-127	5.09	20	WG564454
1,2,4-Trimethylbenzene	mg/l	0.0233	0.0215	93.0	77-129	7.96	20	WG564454
1,2-Dibromo-3-Chloropropane	mg/l	0.0231	0.0236	92.0	55-142	2.36	20	WG564454
1,2-Dibromoethane	mg/l	0.0237	0.0220	95.0	78-124	7.72	20	WG564454
1,2-Dichlorobenzene	mg/l	0.0227	0.0218	91.0	82-121	4.02	20	WG564454
1,2-Dichloroethane	mg/l	0.0216	0.0214	86.0	69-128	1.11	20	WG564454
1,2-Dichloropropane	mg/l	0.0226	0.0213	90.0	77-121	5.51	20	WG564454
1,3,5-Trimethylbenzene	mg/l	0.0237	0.0218	95.0	78-127	8.27	20	WG564454
1,3-Dichlorobenzene	mg/l	0.0234	0.0215	94.0	77-127	8.53	20	WG564454
1,3-Dichloropropane	mg/l	0.0230	0.0212	92.0	78-117	8.27	20	WG564454
1,4-Dichlorobenzene	mg/l	0.0226	0.0214	90.0	79-117	5.44	20	WG564454
2,2-Dichloropropane	mg/l	0.0226	0.0221	90.0	63-130	2.31	20	WG564454
2-Butanone (MEK)	mg/l	0.123	0.121	98.0	58-144	1.67	20	WG564454
2-Chloroethyl vinyl ether	mg/l	0.146	0.143	117.	26-172	1.97	22	WG564454
2-Chlorotoluene	mg/l	0.0232	0.0213	93.0	78-123	8.33	20	WG564454
4-Chlorotoluene	mg/l	0.0235	0.0217	94.0	78-122	7.85	20	WG564454
4-Methyl-2-pentanone (MIBK)	mg/l	0.131	0.131	104.	58-147	0.410	20	WG564454
Acetone	mg/l	0.120	0.124	96.0	49-153	2.86	21	WG564454
Acrolein	mg/l	0.00656	0.00789	5*	10-181	18.4	30	WG564454
Acrylonitrile	mg/l	0.120	0.121	96.0	53-153	1.00	20	WG564454
Benzene	mg/l	0.0208	0.0203	83.0	72-119	2.02	20	WG564454
Bromobenzene	mg/l	0.0229	0.0212	92.0	76-121	7.50	20	WG564454
Bromodichloromethane	mg/l	0.0220	0.0212	88.0	75-127	3.62	20	WG564454
Bromoform	mg/l	0.0209	0.0199	84.0	61-136	4.87	20	WG564454
Bromomethane	mg/l	0.0210	0.0205	84.0	42-172	2.44	20	WG564454
Carbon tetrachloride	mg/l	0.0189	0.0186	76.0	63-129	1.69	20	WG564454
Chlorobenzene	mg/l	0.0226	0.0207	90.0	78-123	8.69	20	WG564454
Chlorodibromomethane	mg/l	0.0232	0.0214	93.0	73-128	8.23	20	WG564454
Chloroethane	mg/l	0.0210	0.0205	84.0	52-164	2.17	20	WG564454
Chloroform	mg/l	0.0225	0.0222	90.0	76-122	1.39	20	WG564454

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Quality Assurance Report
Level II

L544884

November 16, 2011

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloromethane	mg/l	0.0183	0.0182	73.0	50-141	0.730	20	WG564454
cis-1,2-Dichloroethene	mg/l	0.0215	0.0209	86.0	75-121	2.67	20	WG564454
cis-1,3-Dichloropropene	mg/l	0.0225	0.0217	90.0	74-124	3.62	20	WG564454
Di-isopropyl ether	mg/l	0.0233	0.0228	93.0	66-129	2.33	20	WG564454
Dibromomethane	mg/l	0.0219	0.0210	88.0	77-124	4.12	20	WG564454
Dichlorodifluoromethane	mg/l	0.0201	0.0205	80.0	33-173	1.88	20	WG564454
Ethylbenzene	mg/l	0.0224	0.0206	90.0	77-124	8.18	20	WG564454
Hexachloro-1,3-butadiene	mg/l	0.0220	0.0211	88.0	71-134	4.57	20	WG564454
Isopropylbenzene	mg/l	0.0261	0.0241	104.	74-126	7.93	20	WG564454
Methyl tert-butyl ether	mg/l	0.0238	0.0236	95.0	67-127	1.18	20	WG564454
Methylene Chloride	mg/l	0.0199	0.0197	80.0	67-122	1.46	20	WG564454
n-Butylbenzene	mg/l	0.0236	0.0226	94.0	74-130	4.63	20	WG564454
n-Propylbenzene	mg/l	0.0235	0.0216	94.0	77-125	8.51	20	WG564454
Naphthalene	mg/l	0.0225	0.0215	90.0	70-134	4.59	20	WG564454
p-Isopropyltoluene	mg/l	0.0246	0.0227	98.0	77-132	8.24	20	WG564454
sec-Butylbenzene	mg/l	0.0239	0.0220	95.0	77-130	7.92	20	WG564454
Styrene	mg/l	0.0171	0.0157	68*	69-145	8.63	20	WG564454
tert-Butylbenzene	mg/l	0.0242	0.0221	97.0	76-131	9.09	20	WG564454
Tetrachloroethene	mg/l	0.0207	0.0190	83.0	75-121	8.53	20	WG564454
Toluene	mg/l	0.0212	0.0204	85.0	75-114	3.69	20	WG564454
trans-1,2-Dichloroethene	mg/l	0.0181	0.0178	72.0	63-127	1.91	20	WG564454
trans-1,3-Dichloropropene	mg/l	0.0221	0.0214	88.0	69-124	3.53	20	WG564454
Trichloroethene	mg/l	0.0207	0.0200	83.0	69-131	3.36	20	WG564454
Trichlorofluoromethane	mg/l	0.0210	0.0205	84.0	53-161	2.31	20	WG564454
Vinyl chloride	mg/l	0.0192	0.0191	77.0	55-142	0.550	20	WG564454
Xylenes, Total	mg/l	0.0692	0.0638	92.0	77-123	8.26	20	WG564454
4-Bromofluorobenzene				103.2	82-120			WG564454
Toluene-d8				102.8	92-112			WG564454
a,a,a-Trifluorotoluene				103.6	90-116			WG564454
1,2,4-Trichlorobenzene	mg/l	0.00813	0.00755	81.0	34-97	7.50	21	WG564071
2,4,6-Trichlorophenol	mg/l	0.00932	0.00640	93.0	38-113	37.2*	29	WG564071
2,4-Dichlorophenol	mg/l	0.00890	0.00747	89.0	46-105	17.5	20	WG564071
2,4-Dimethylphenol	mg/l	0.00951	0.00841	95.0	47-108	12.3	20	WG564071
2,4-Dinitrophenol	mg/l	0.00671	0.00452	67.0	10-121	39.0	40	WG564071
2,4-Dinitrotoluene	mg/l	0.00915	0.00819	92.0	59-117	11.1	20	WG564071
2,6-Dinitrotoluene	mg/l	0.0102	0.00903	102.	57-110	12.0	20	WG564071
2-Chloronaphthalene	mg/l	0.00930	0.00853	93.0	47-106	8.54	20	WG564071
2-Chlorophenol	mg/l	0.00753	0.00624	75.0	37-90	18.9	21	WG564071
2-Nitrophenol	mg/l	0.00923	0.00757	92.0	40-112	19.8	22	WG564071
3,3-Dichlorobenzidine	mg/l	0.0105	0.00997	104.	58-116	4.74	20	WG564071
4,6-Dinitro-2-methylphenol	mg/l	0.00793	0.00517	79.0	21-119	42.1*	40	WG564071
4-Bromophenyl-phenylether	mg/l	0.0100	0.00906	100.	63-120	10.1	20	WG564071
4-Chloro-3-methylphenol	mg/l	0.00851	0.00740	85.0	50-105	13.9	20	WG564071
4-Chlorophenyl-phenylether	mg/l	0.00967	0.00900	97.0	58-115	7.17	20	WG564071
4-Nitrophenol	mg/l	0.00270	0.00190	27.0	10-53	34.8	40	WG564071
Acenaphthene	mg/l	0.00999	0.00888	100.	52-107	11.7	20	WG564071
Acenaphthylene	mg/l	0.0104	0.00921	104.	55-119	12.5	20	WG564071
Anthracene	mg/l	0.0101	0.00927	101.	65-114	8.79	20	WG564071
Benzidine	mg/l	0.00172	0.00289	17.0	10-55	50.9*	40	WG564071
Benzo(a)anthracene	mg/l	0.00965	0.00878	96.0	68-113	9.42	20	WG564071
Benzo(a)pyrene	mg/l	0.00939	0.00891	94.0	68-115	5.27	20	WG564071
Benzo(b)fluoranthene	mg/l	0.00949	0.00870	95.0	67-114	8.69	20	WG564071
Benzo(g,h,i)perylene	mg/l	0.00957	0.00881	96.0	52-132	8.27	20	WG564071
Benzo(k)fluoranthene	mg/l	0.00965	0.00882	96.0	62-116	8.96	20	WG564071
Benzylbutyl phthalate	mg/l	0.00924	0.00793	92.0	12-166	15.2	20	WG564071
Bis(2-chlorethoxy)methane	mg/l	0.00910	0.00869	91.0	56-116	4.57	20	WG564071
Bis(2-chloroethyl)ether	mg/l	0.00829	0.00833	83.0	39-109	0.474	23	WG564071

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Quality Assurance Report
Level II

L544884

November 16, 2011

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Bis(2-chloroisopropyl)ether	mg/l	0.00889	0.00812	89.0	43-108	9.05	20	WG564071
Bis(2-ethylhexyl)phthalate	mg/l	0.0103	0.00889	103.	61-147	14.7	20	WG564071
Chrysene	mg/l	0.00963	0.00861	96.0	65-114	11.1	20	WG564071
Di-n-butyl phthalate	mg/l	0.0100	0.00933	100.	56-133	7.29	20	WG564071
Di-n-octyl phthalate	mg/l	0.00982	0.00880	98.0	59-143	10.9	20	WG564071
Dibenz(a,h)anthracene	mg/l	0.0103	0.00960	103.	54-130	7.29	20	WG564071
Diethyl phthalate	mg/l	0.00924	0.00815	92.0	33-136	12.5	20	WG564071
Dimethyl phthalate	mg/l	0.00804	0.00718	80.0	10-152	11.3	22	WG564071
Fluoranthene	mg/l	0.00999	0.00899	100.	66-120	10.6	20	WG564071
Fluorene	mg/l	0.00991	0.00910	99.0	58-110	8.54	20	WG564071
Hexachloro-1,3-butadiene	mg/l	0.00871	0.00810	87.0	34-115	7.29	22	WG564071
Hexachlorobenzene	mg/l	0.00905	0.00830	90.0	55-117	8.54	20	WG564071
Hexachlorocyclopentadiene	mg/l	0.00906	0.00816	91.0	20-121	10.4	27	WG564071
Hexachloroethane	mg/l	0.00771	0.00698	77.0	24-93	9.92	25	WG564071
Indeno(1,2,3-cd)pyrene	mg/l	0.00999	0.00930	100.	56-129	7.20	20	WG564071
Isophorone	mg/l	0.00764	0.00713	76.0	55-108	6.95	20	WG564071
n-Nitrosodi-n-propylamine	mg/l	0.00915	0.00818	91.0	50-115	11.1	20	WG564071
n-Nitrosodimethylamine	mg/l	0.00491	0.00453	49.0	12-68	8.00	31	WG564071
n-Nitrosodiphenylamine	mg/l	0.0100	0.00899	100*	55-98	10.8	20	WG564071
Naphthalene	mg/l	0.00916	0.00849	92.0	42-103	7.54	20	WG564071
Nitrobenzene	mg/l	0.00891	0.00828	89.0	39-102	7.38	20	WG564071
Pentachlorophenol	mg/l	0.00733	0.00465	73.0	10-101	44.8*	40	WG564071
Phenanthrene	mg/l	0.0100	0.00902	100.	61-110	10.4	20	WG564071
Phenol	mg/l	0.00276	0.00232	28.0	10-53	17.6	20	WG564071
Pyrene	mg/l	0.0101	0.00899	101.	65-116	11.6	20	WG564071
2,4,6-Tribromophenol				98.68	16-147			WG564071
2-Fluorobiphenyl				94.97	29-127			WG564071
2-Fluorophenol				41.86	10-75			WG564071
Nitrobenzene-d5				88.23	17-119			WG564071
Phenol-d5				30.90	10-63			WG564071
p-Terphenyl-d14				103.8	40-174			WG564071
1,2,4-Trichlorobenzene	mg/l	0.00705	0.00699	70.0	34-97	0.874	21	WG564274
2,4,6-Trichlorophenol	mg/l	0.00880	0.00873	88.0	38-113	0.890	29	WG564274
2,4-Dichlorophenol	mg/l	0.00858	0.00819	86.0	46-105	4.68	20	WG564274
2,4-Dimethylphenol	mg/l	0.00860	0.00874	86.0	47-108	1.60	20	WG564274
2,4-Dinitrophenol	mg/l	0.00934	0.00972	93.0	10-121	3.92	40	WG564274
2,4-Dinitrotoluene	mg/l	0.00907	0.00880	91.0	59-117	3.07	20	WG564274
2,6-Dinitrotoluene	mg/l	0.00929	0.00848	93.0	57-110	9.15	20	WG564274
2-Chloronaphthalene	mg/l	0.00794	0.00788	79.0	47-106	0.712	20	WG564274
2-Chlorophenol	mg/l	0.00723	0.00720	72.0	37-90	0.417	21	WG564274
2-Nitrophenol	mg/l	0.00844	0.00853	84.0	40-112	1.03	22	WG564274
3,3-Dichlorobenzidine	mg/l	0.00763	0.00651	76.0	58-116	15.9	20	WG564274
4,6-Dinitro-2-methylphenol	mg/l	0.00918	0.00909	92.0	21-119	0.934	40	WG564274
4-Bromophenyl-phenylether	mg/l	0.00864	0.00816	86.0	63-120	5.78	20	WG564274
4-Chloro-3-methylphenol	mg/l	0.00880	0.00857	88.0	50-105	2.64	20	WG564274
4-Chlorophenyl-phenylether	mg/l	0.00818	0.00783	82.0	58-115	4.32	20	WG564274
4-Nitrophenol	mg/l	0.00417	0.00418	42.0	10-53	0.116	40	WG564274
Acenaphthene	mg/l	0.00858	0.00795	86.0	52-107	7.58	20	WG564274
Acenaphthylene	mg/l	0.00887	0.00817	89.0	55-119	8.21	20	WG564274
Anthracene	mg/l	0.00897	0.00878	90.0	65-114	2.15	20	WG564274
Benzidine	mg/l	0.00584	0.00558	58*	10-55	4.48	40	WG564274
Benzo(a)anthracene	mg/l	0.00905	0.00849	90.0	68-113	6.35	20	WG564274
Benzo(a)pyrene	mg/l	0.00885	0.00830	88.0	68-115	6.41	20	WG564274
Benzo(b)fluoranthene	mg/l	0.00878	0.00838	88.0	67-114	4.66	20	WG564274
Benzo(g,h,i)perylene	mg/l	0.00973	0.00929	97.0	52-132	4.65	20	WG564274
Benzo(k)fluoranthene	mg/l	0.00869	0.00858	87.0	62-116	1.27	20	WG564274
Benzylbutyl phthalate	mg/l	0.00938	0.00888	94.0	12-166	5.48	20	WG564274

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Quality Assurance Report
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		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Bis(2-chlorethoxy)methane	mg/l	0.00849	0.00817	85.0	56-116	3.90	20	WG564274
Bis(2-chloroethyl)ether	mg/l	0.00787	0.00664	79.0	39-109	17.0	23	WG564274
Bis(2-chloroisopropyl)ether	mg/l	0.00793	0.00772	79.0	43-108	2.66	20	WG564274
Bis(2-ethylhexyl)phthalate	mg/l	0.00933	0.00899	93.0	61-147	3.73	20	WG564274
Chrysene	mg/l	0.00908	0.00860	91.0	65-114	5.46	20	WG564274
Di-n-butyl phthalate	mg/l	0.00959	0.00919	96.0	56-133	4.18	20	WG564274
Di-n-octyl phthalate	mg/l	0.00923	0.00897	92.0	59-143	2.83	20	WG564274
Dibenz(a,h)anthracene	mg/l	0.00998	0.00941	100.	54-130	5.87	20	WG564274
Diethyl phthalate	mg/l	0.00919	0.00858	92.0	33-136	6.90	20	WG564274
Dimethyl phthalate	mg/l	0.00889	0.00864	89.0	10-152	2.81	22	WG564274
Fluoranthene	mg/l	0.00886	0.00861	89.0	66-120	2.86	20	WG564274
Fluorene	mg/l	0.00839	0.00806	84.0	58-110	3.94	20	WG564274
Hexachloro-1,3-butadiene	mg/l	0.00739	0.00708	74.0	34-115	4.39	22	WG564274
Hexachlorobenzene	mg/l	0.00765	0.00694	76.0	55-117	9.68	20	WG564274
Hexachlorocyclopentadiene	mg/l	0.00864	0.00824	86.0	20-121	4.70	27	WG564274
Hexachloroethane	mg/l	0.00706	0.00693	70.0	24-93	1.80	25	WG564274
Indeno(1,2,3-cd)pyrene	mg/l	0.00964	0.00900	96.0	56-129	6.92	20	WG564274
Isophorone	mg/l	0.00710	0.00707	71.0	55-108	0.480	20	WG564274
n-Nitrosodi-n-propylamine	mg/l	0.00813	0.00788	81.0	50-115	3.22	20	WG564274
n-Nitrosodimethylamine	mg/l	0.00396	0.00396	40.0	12-68	0.111	31	WG564274
n-Nitrosodiphenylamine	mg/l	0.00905	0.00831	90.0	55-98	8.42	20	WG564274
Naphthalene	mg/l	0.00793	0.00762	79.0	42-103	3.99	20	WG564274
Nitrobenzene	mg/l	0.00772	0.00786	77.0	39-102	1.77	20	WG564274
Pentachlorophenol	mg/l	0.00778	0.00752	78.0	10-101	3.52	40	WG564274
Phenanthrene	mg/l	0.00877	0.00822	88.0	61-110	6.41	20	WG564274
Phenol	mg/l	0.00375	0.00373	37.0	10-53	0.413	20	WG564274
Pyrene	mg/l	0.00884	0.00877	88.0	65-116	0.759	20	WG564274
2,4,6-Tribromophenol				97.42	16-147			WG564274
2-Fluorobiphenyl				83.07	29-127			WG564274
2-Fluorophenol				53.47	10-75			WG564274
Nitrobenzene-d5				77.72	17-119			WG564274
Phenol-d5				41.17	10-63			WG564274
p-Terphenyl-d14				94.27	40-174			WG564274
1,2,4-Trichlorobenzene	mg/l	0.00628	0.00584	63.0	34-97	7.11	21	WG564565
2,4,6-Trichlorophenol	mg/l	0.00797	0.00793	80.0	38-113	0.528	29	WG564565
2,4-Dichlorophenol	mg/l	0.00797	0.00746	80.0	46-105	6.63	20	WG564565
2,4-Dimethylphenol	mg/l	0.00738	0.00701	74.0	47-108	5.10	20	WG564565
2,4-Dinitrophenol	mg/l	0.00713	0.00810	71.0	10-121	12.8	40	WG564565
2,4-Dinitrotoluene	mg/l	0.00826	0.00863	83.0	59-117	4.37	20	WG564565
2,6-Dinitrotoluene	mg/l	0.00844	0.00822	84.0	57-110	2.61	20	WG564565
2-Chloronaphthalene	mg/l	0.00743	0.00718	74.0	47-106	3.33	20	WG564565
2-Chlorophenol	mg/l	0.00634	0.00624	63.0	37-90	1.44	21	WG564565
2-Nitrophenol	mg/l	0.00772	0.00742	77.0	40-112	4.04	22	WG564565
3,3-Dichlorobenzidine	mg/l	0.00829	0.00801	83.0	58-116	3.49	20	WG564565
4,6-Dinitro-2-methylphenol	mg/l	0.00734	0.00785	73.0	21-119	6.63	40	WG564565
4-Bromophenyl-phenylether	mg/l	0.00805	0.00810	80.0	63-120	0.558	20	WG564565
4-Chloro-3-methylphenol	mg/l	0.00867	0.00817	87.0	50-105	5.94	20	WG564565
4-Chlorophenyl-phenylether	mg/l	0.00788	0.00774	79.0	58-115	1.87	20	WG564565
4-Nitrophenol	mg/l	0.00307	0.00332	31.0	10-53	8.07	40	WG564565
Acenaphthene	mg/l	0.00778	0.00746	78.0	52-107	4.12	20	WG564565
Acenaphthylene	mg/l	0.00787	0.00774	79.0	55-119	1.69	20	WG564565
Anthracene	mg/l	0.00826	0.00891	82.0	65-114	7.59	20	WG564565
Benzidine	mg/l	0.00480	0.00284	48.0	10-55	51.2*	40	WG564565
Benzo(a)anthracene	mg/l	0.00828	0.00877	83.0	68-113	5.75	20	WG564565
Benzo(a)pyrene	mg/l	0.00820	0.00807	82.0	68-115	1.61	20	WG564565
Benzo(b)fluoranthene	mg/l	0.00847	0.00845	85.0	67-114	0.256	20	WG564565
Benzo(g,h,i)perylene	mg/l	0.00938	0.00939	94.0	52-132	0.0966	20	WG564565

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Est. 1970

Terracon - Lenexa, KS
Wil King
13910 West 96th Terrace

Lenexa, KS 66215

Quality Assurance Report
Level II

L544884

November 16, 2011

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzo(k)fluoranthene	mg/l	0.00834	0.00822	83.0	62-116	1.37	20	WG564565
Benzylbutyl phthalate	mg/l	0.00888	0.00966	89.0	12-166	8.46	20	WG564565
Bis(2-chlorethoxy)methane	mg/l	0.00804	0.00741	80.0	56-116	8.12	20	WG564565
Bis(2-chloroethyl)ether	mg/l	0.00613	0.00614	61.0	39-109	0.127	23	WG564565
Bis(2-chloroisopropyl)ether	mg/l	0.00702	0.00645	70.0	43-108	8.36	20	WG564565
Bis(2-ethylhexyl)phthalate	mg/l	0.00932	0.00988	93.0	61-147	5.80	20	WG564565
Chrysene	mg/l	0.00836	0.00863	84.0	65-114	3.14	20	WG564565
Di-n-butyl phthalate	mg/l	0.00860	0.00913	86.0	56-133	5.96	20	WG564565
Di-n-octyl phthalate	mg/l	0.00920	0.00993	92.0	59-143	7.66	20	WG564565
Dibenz(a,h)anthracene	mg/l	0.00948	0.00949	95.0	54-130	0.162	20	WG564565
Diethyl phthalate	mg/l	0.00857	0.00900	86.0	33-136	4.87	20	WG564565
Dimethyl phthalate	mg/l	0.00784	0.00840	78.0	10-152	6.92	22	WG564565
Fluoranthene	mg/l	0.00809	0.00838	81.0	66-120	3.52	20	WG564565
Fluorene	mg/l	0.00804	0.00781	80.0	58-110	2.89	20	WG564565
Hexachloro-1,3-butadiene	mg/l	0.00649	0.00603	65.0	34-115	7.43	22	WG564565
Hexachlorobenzene	mg/l	0.00701	0.00722	70.0	55-117	3.00	20	WG564565
Hexachlorocyclopentadiene	mg/l	0.00691	0.00658	69.0	20-121	4.96	27	WG564565
Hexachloroethane	mg/l	0.00556	0.00550	56.0	24-93	1.22	25	WG564565
Indeno(1,2,3-cd)pyrene	mg/l	0.00900	0.00912	90.0	56-129	1.24	20	WG564565
Isophorone	mg/l	0.00683	0.00634	68.0	55-108	7.46	20	WG564565
n-Nitrosodi-n-propylamine	mg/l	0.00775	0.00720	78.0	50-115	7.36	20	WG564565
n-Nitrosodimethylamine	mg/l	0.00356	0.00342	36.0	12-68	3.98	31	WG564565
n-Nitrosodiphenylamine	mg/l	0.00836	0.00821	84.0	55-98	1.82	20	WG564565
Naphthalene	mg/l	0.00699	0.00671	70.0	42-103	4.04	20	WG564565
Nitrobenzene	mg/l	0.00725	0.00657	72.0	39-102	9.82	20	WG564565
Pentachlorophenol	mg/l	0.00610	0.00735	61.0	10-101	18.5	40	WG564565
Phenanthrene	mg/l	0.00821	0.00819	82.0	61-110	0.184	20	WG564565
Phenol	mg/l	0.00304	0.00296	30.0	10-53	2.61	20	WG564565
Pyrene	mg/l	0.00856	0.00878	86.0	65-116	2.56	20	WG564565
2,4,6-Tribromophenol				84.21	16-147			WG564565
2-Fluorobiphenyl				79.35	29-127			WG564565
2-Fluorophenol				44.03	10-75			WG564565
Nitrobenzene-d5				70.68	17-119			WG564565
Phenol-d5				33.68	10-63			WG564565
p-Terphenyl-d14				91.02	40-174			WG564565

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0220	0	.025	88.0	71-130	L544884-01	WG563916
1,1,1-Trichloroethane	mg/l	0.0228	0	.025	91.2	58-137	L544884-01	WG563916
1,1,2,2-Tetrachloroethane	mg/l	0.0219	0	.025	87.7	64-149	L544884-01	WG563916
1,1,2-Trichloroethane	mg/l	0.0216	0	.025	86.2	73-128	L544884-01	WG563916
1,1,2-Trichlorotrifluoroethane	mg/l	0.0207	0	.025	82.9	36-159	L544884-01	WG563916
1,1-Dichloroethane	mg/l	0.0228	0	.025	91.2	58-133	L544884-01	WG563916
1,1-Dichloroethene	mg/l	0.0213	0	.025	85.1	32-152	L544884-01	WG563916
1,1-Dichloropropene	mg/l	0.0222	0	.025	88.8	50-140	L544884-01	WG563916
1,2,3-Trichlorobenzene	mg/l	0.0226	0	.025	90.5	68-135	L544884-01	WG563916
1,2,3-Trichloropropane	mg/l	0.0225	0	.025	89.9	74-137	L544884-01	WG563916
1,2,3-Trimethylbenzene	mg/l	0.0208	0	.025	83.1	67-133	L544884-01	WG563916
1,2,4-Trichlorobenzene	mg/l	0.0238	0	.025	95.2	67-133	L544884-01	WG563916
1,2,4-Trimethylbenzene	mg/l	0.0213	0	.025	85.2	62-141	L544884-01	WG563916
1,2-Dibromo-3-Chloropropane	mg/l	0.0243	0	.025	97.1	55-148	L544884-01	WG563916
1,2-Dibromoethane	mg/l	0.0226	0	.025	90.2	71-129	L544884-01	WG563916
1,2-Dichlorobenzene	mg/l	0.0217	0	.025	86.7	75-125	L544884-01	WG563916
1,2-Dichloroethane	mg/l	0.0227	0	.025	90.6	59-135	L544884-01	WG563916
1,2-Dichloropropane	mg/l	0.0224	0	.025	89.4	68-126	L544884-01	WG563916
1,3,5-Trimethylbenzene	mg/l	0.0218	0	.025	87.2	67-136	L544884-01	WG563916
1,3-Dichlorobenzene	mg/l	0.0212	0	.025	84.8	69-131	L544884-01	WG563916

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L544884

November 16, 2011

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,3-Dichloropropane	mg/l	0.0213	0	.025	85.1	70-122	L544884-01	WG563916
1,4-Dichlorobenzene	mg/l	0.0221	0	.025	88.5	70-123	L544884-01	WG563916
2,2-Dichloropropane	mg/l	0.0239	0	.025	95.6	51-141	L544884-01	WG563916
2-Butanone (MEK)	mg/l	0.118	0	.125	94.3	51-149	L544884-01	WG563916
2-Chloroethyl vinyl ether	mg/l	0.0550	0	.125	44.0	10-161	L544884-01	WG563916
2-Chlorotoluene	mg/l	0.0212	0	.025	84.9	65-133	L544884-01	WG563916
4-Chlorotoluene	mg/l	0.0216	0	.025	86.4	67-129	L544884-01	WG563916
4-Methyl-2-pentanone (MIBK)	mg/l	0.127	0	.125	102.	53-154	L544884-01	WG563916
Acetone	mg/l	0.102	0	.125	81.5	34-146	L544884-01	WG563916
Acrolein	mg/l	0.00648	0	.125	5.18*	10-189	L544884-01	WG563916
Acrylonitrile	mg/l	0.124	0	.125	98.9	49-162	L544884-01	WG563916
Benzene	mg/l	0.0225	0	.025	89.8	51-134	L544884-01	WG563916
Bromobenzene	mg/l	0.0208	0	.025	83.3	64-130	L544884-01	WG563916
Bromodichloromethane	mg/l	0.0222	0	.025	88.9	67-132	L544884-01	WG563916
Bromoform	mg/l	0.0204	0	.025	81.7	59-137	L544884-01	WG563916
Bromomethane	mg/l	0.0214	0	.025	85.7	23-177	L544884-01	WG563916
Carbon tetrachloride	mg/l	0.0212	0	.025	85.0	49-140	L544884-01	WG563916
Chlorobenzene	mg/l	0.0208	0	.025	83.4	69-126	L544884-01	WG563916
Chlorodibromomethane	mg/l	0.0216	0	.025	86.3	68-130	L544884-01	WG563916
Chloroethane	mg/l	0.0240	0	.025	96.0	32-177	L544884-01	WG563916
Chloroform	mg/l	0.0230	0	.025	92.0	64-130	L544884-01	WG563916
Chloromethane	mg/l	0.0229	0	.025	91.5	27-155	L544884-01	WG563916
cis-1,2-Dichloroethene	mg/l	0.0227	0	.025	90.7	54-137	L544884-01	WG563916
cis-1,3-Dichloropropene	mg/l	0.0228	0	.025	91.3	63-127	L544884-01	WG563916
Di-isopropyl ether	mg/l	0.0237	0	.025	94.7	58-133	L544884-01	WG563916
Dibromomethane	mg/l	0.0226	0	.025	90.3	68-131	L544884-01	WG563916
Dichlorodifluoromethane	mg/l	0.0247	0	.025	98.9	16-188	L544884-01	WG563916
Ethylbenzene	mg/l	0.0213	0	.025	85.1	64-135	L544884-01	WG563916
Hexachloro-1,3-butadiene	mg/l	0.0212	0	.025	84.8	64-140	L544884-01	WG563916
Isopropylbenzene	mg/l	0.0239	0	.025	95.4	62-134	L544884-01	WG563916
Methyl tert-butyl ether	mg/l	0.0242	0	.025	96.9	55-136	L544884-01	WG563916
Methylene Chloride	mg/l	0.0217	0	.025	86.8	52-130	L544884-01	WG563916
n-Butylbenzene	mg/l	0.0234	0	.025	93.5	62-142	L544884-01	WG563916
n-Propylbenzene	mg/l	0.0216	0	.025	86.4	62-137	L544884-01	WG563916
Naphthalene	mg/l	0.0224	0	.025	89.4	65-140	L544884-01	WG563916
p-Isopropyltoluene	mg/l	0.0223	0	.025	89.3	64-142	L544884-01	WG563916
sec-Butylbenzene	mg/l	0.0217	0	.025	86.6	67-139	L544884-01	WG563916
Styrene	mg/l	0.0157	0	.025	62.7	58-152	L544884-01	WG563916
tert-Butylbenzene	mg/l	0.0218	0	.025	87.1	66-139	L544884-01	WG563916
Tetrachloroethene	mg/l	0.0205	0	.025	81.9	56-139	L544884-01	WG563916
Toluene	mg/l	0.0219	0	.025	87.8	61-126	L544884-01	WG563916
trans-1,2-Dichloroethene	mg/l	0.0215	0	.025	86.0	45-137	L544884-01	WG563916
trans-1,3-Dichloropropene	mg/l	0.0223	0	.025	89.1	59-130	L544884-01	WG563916
Trichloroethene	mg/l	0.0217	0	.025	87.0	40-155	L544884-01	WG563916
Trichlorofluoromethane	mg/l	0.0235	0	.025	94.2	35-177	L544884-01	WG563916
Vinyl chloride	mg/l	0.0234	0	.025	93.5	32-159	L544884-01	WG563916
Xylenes, Total	mg/l	0.0644	0	.075	85.9	64-133	L544884-01	WG563916
4-Bromofluorobenzene					98.55	82-120		WG563916
Toluene-d8					102.4	92-112		WG563916
a,a,a-Trifluorotoluene					103.2	90-116		WG563916
1,1,1,2-Tetrachloroethane	mg/l	0.0235	0	.025	94.1	71-130	L544884-04	WG564454
1,1,1-Trichloroethane	mg/l	0.0219	0	.025	87.7	58-137	L544884-04	WG564454
1,1,2,2-Tetrachloroethane	mg/l	0.0248	0	.025	99.2	64-149	L544884-04	WG564454
1,1,2-Trichloroethane	mg/l	0.0228	0	.025	91.3	73-128	L544884-04	WG564454
1,1,2-Trichlorotrifluoroethane	mg/l	0.0188	0	.025	75.2	36-159	L544884-04	WG564454
1,1-Dichloroethane	mg/l	0.0215	0	.025	86.1	58-133	L544884-04	WG564454
1,1-Dichloroethene	mg/l	0.0176	0	.025	70.5	32-152	L544884-04	WG564454

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Quality Assurance Report
Level II

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Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1-Dichloropropene	mg/l	0.0192	0	.025	76.9	50-140	L544884-04	WG564454
1,2,3-Trichlorobenzene	mg/l	0.0239	0	.025	95.8	68-135	L544884-04	WG564454
1,2,3-Trichloropropane	mg/l	0.0249	0	.025	99.7	74-137	L544884-04	WG564454
1,2,3-Trimethylbenzene	mg/l	0.0221	0	.025	88.5	67-133	L544884-04	WG564454
1,2,4-Trichlorobenzene	mg/l	0.0254	0	.025	102.	67-133	L544884-04	WG564454
1,2,4-Trimethylbenzene	mg/l	0.0226	0	.025	90.5	62-141	L544884-04	WG564454
1,2-Dibromo-3-Chloropropane	mg/l	0.0253	0	.025	101.	55-148	L544884-04	WG564454
1,2-Dibromoethane	mg/l	0.0229	0	.025	91.8	71-129	L544884-04	WG564454
1,2-Dichlorobenzene	mg/l	0.0233	0	.025	93.3	75-125	L544884-04	WG564454
1,2-Dichloroethane	mg/l	0.0222	0	.025	88.7	59-135	L544884-04	WG564454
1,2-Dichloropropane	mg/l	0.0228	0	.025	91.3	68-126	L544884-04	WG564454
1,3,5-Trimethylbenzene	mg/l	0.0232	0	.025	92.8	67-136	L544884-04	WG564454
1,3-Dichlorobenzene	mg/l	0.0230	0	.025	91.9	69-131	L544884-04	WG564454
1,3-Dichloropropane	mg/l	0.0224	0	.025	89.6	70-122	L544884-04	WG564454
1,4-Dichlorobenzene	mg/l	0.0237	0	.025	94.9	70-123	L544884-04	WG564454
2,2-Dichloropropane	mg/l	0.0233	0	.025	93.4	51-141	L544884-04	WG564454
2-Butanone (MEK)	mg/l	0.128	0	.125	102.	51-149	L544884-04	WG564454
2-Chloroethyl vinyl ether	mg/l	0.0531	0	.125	42.5	10-161	L544884-04	WG564454
2-Chlorotoluene	mg/l	0.0226	0	.025	90.2	65-133	L544884-04	WG564454
4-Chlorotoluene	mg/l	0.0230	0	.025	92.0	67-129	L544884-04	WG564454
4-Methyl-2-pentanone (MIBK)	mg/l	0.141	0	.125	113.	53-154	L544884-04	WG564454
Acetone	mg/l	0.111	0	.125	88.4	34-146	L544884-04	WG564454
Acrolein	mg/l	0.00822	0	.125	6.58*	10-189	L544884-04	WG564454
Acrylonitrile	mg/l	0.129	0	.125	103.	49-162	L544884-04	WG564454
Benzene	mg/l	0.0206	0	.025	82.6	51-134	L544884-04	WG564454
Bromobenzene	mg/l	0.0223	0	.025	89.2	64-130	L544884-04	WG564454
Bromodichloromethane	mg/l	0.0230	0	.025	92.1	67-132	L544884-04	WG564454
Bromoform	mg/l	0.0218	0	.025	87.3	59-137	L544884-04	WG564454
Bromomethane	mg/l	0.0208	0	.025	83.2	23-177	L544884-04	WG564454
Carbon tetrachloride	mg/l	0.0193	0	.025	77.3	49-140	L544884-04	WG564454
Chlorobenzene	mg/l	0.0216	0	.025	86.5	69-126	L544884-04	WG564454
Chlorodibromomethane	mg/l	0.0228	0	.025	91.2	68-130	L544884-04	WG564454
Chloroethane	mg/l	0.0206	0	.025	82.3	32-177	L544884-04	WG564454
Chloroform	mg/l	0.0234	0	.025	93.5	64-130	L544884-04	WG564454
Chloromethane	mg/l	0.0166	0	.025	66.2	27-155	L544884-04	WG564454
cis-1,2-Dichloroethene	mg/l	0.0215	0	.025	86.1	54-137	L544884-04	WG564454
cis-1,3-Dichloropropene	mg/l	0.0226	0	.025	90.5	63-127	L544884-04	WG564454
Di-isopropyl ether	mg/l	0.0239	0	.025	95.5	58-133	L544884-04	WG564454
Dibromomethane	mg/l	0.0226	0	.025	90.4	68-131	L544884-04	WG564454
Dichlorodifluoromethane	mg/l	0.0212	0	.025	84.8	16-188	L544884-04	WG564454
Ethylbenzene	mg/l	0.0215	0	.025	86.1	64-135	L544884-04	WG564454
Hexachloro-1,3-butadiene	mg/l	0.0227	0	.025	90.7	64-140	L544884-04	WG564454
Isopropylbenzene	mg/l	0.0250	0	.025	100.	62-134	L544884-04	WG564454
Methyl tert-butyl ether	mg/l	0.0249	0	.025	99.7	55-136	L544884-04	WG564454
Methylene Chloride	mg/l	0.0206	0	.025	82.4	52-130	L544884-04	WG564454
n-Butylbenzene	mg/l	0.0248	0	.025	99.4	62-142	L544884-04	WG564454
n-Propylbenzene	mg/l	0.0228	0	.025	91.1	62-137	L544884-04	WG564454
Naphthalene	mg/l	0.0236	0	.025	94.4	65-140	L544884-04	WG564454
p-Isopropyltoluene	mg/l	0.0239	0	.025	95.6	64-142	L544884-04	WG564454
sec-Butylbenzene	mg/l	0.0233	0	.025	93.3	67-139	L544884-04	WG564454
Styrene	mg/l	0.0165	0	.025	65.8	58-152	L544884-04	WG564454
tert-Butylbenzene	mg/l	0.0234	0	.025	93.5	66-139	L544884-04	WG564454
Tetrachloroethene	mg/l	0.0194	0	.025	77.5	56-139	L544884-04	WG564454
Toluene	mg/l	0.0216	0.000320	.025	85.0	61-126	L544884-04	WG564454
trans-1,2-Dichloroethene	mg/l	0.0177	0	.025	70.8	45-137	L544884-04	WG564454
trans-1,3-Dichloropropene	mg/l	0.0230	0	.025	91.9	59-130	L544884-04	WG564454
Trichloroethene	mg/l	0.0202	0	.025	81.0	40-155	L544884-04	WG564454
Trichlorofluoromethane	mg/l	0.0214	0	.025	85.6	35-177	L544884-04	WG564454
Vinyl chloride	mg/l	0.0183	0	.025	73.0	32-159	L544884-04	WG564454

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Tax I.D. 62-0814289

Est. 1970

Terracon - Lenexa, KS
Wil King
13910 West 96th Terrace

Lenexa, KS 66215

Quality Assurance Report
Level II

L544884

November 16, 2011

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Xylenes, Total	mg/l	0.0660	0	.075	88.0	64-133	L544884-04	WG564454
4-Bromofluorobenzene					99.23	82-120		WG564454
Toluene-d8					102.7	92-112		WG564454
a,a,a-Trifluorotoluene					104.0	90-116		WG564454
1,2,4-Trichlorobenzene	mg/l	0.00753	0	.01	75.3	34-101	L544884-01	WG564071
2,4,6-Trichlorophenol	mg/l	0.00889	0	.01	88.8	14-145	L544884-01	WG564071
2,4-Dichlorophenol	mg/l	0.00827	0	.01	82.7	17-132	L544884-01	WG564071
2,4-Dimethylphenol	mg/l	0.00718	0	.01	71.8	10-154	L544884-01	WG564071
2,4-Dinitrophenol	mg/l	0.00668	0	.01	66.8	10-167	L544884-01	WG564071
2,4-Dinitrotoluene	mg/l	0.00933	0	.01	93.3	48-133	L544884-01	WG564071
2,6-Dinitrotoluene	mg/l	0.00971	0	.01	97.2	52-123	L544884-01	WG564071
2-Chloronaphthalene	mg/l	0.00874	0	.01	87.4	47-111	L544884-01	WG564071
2-Chlorophenol	mg/l	0.00671	0	.01	67.1	18-103	L544884-01	WG564071
2-Nitrophenol	mg/l	0.00833	0	.01	83.3	25-130	L544884-01	WG564071
3,3-Dichlorobenzidine	mg/l	0.0130	0	.01	130.	10-149	L544884-01	WG564071
4,6-Dinitro-2-methylphenol	mg/l	0.00743	0	.01	74.3	10-149	L544884-01	WG564071
4-Bromophenyl-phenylether	mg/l	0.00953	0	.01	95.3	51-138	L544884-01	WG564071
4-Chloro-3-methylphenol	mg/l	0.00757	0	.01	75.7	19-138	L544884-01	WG564071
4-Chlorophenyl-phenylether	mg/l	0.00957	0	.01	95.7	47-132	L544884-01	WG564071
4-Nitrophenol	mg/l	0.00276	0	.01	27.6	10-86	L544884-01	WG564071
Acenaphthene	mg/l	0.00950	0	.01	95.0	45-121	L544884-01	WG564071
Acenaphthylene	mg/l	0.00938	0	.01	93.8	52-122	L544884-01	WG564071
Anthracene	mg/l	0.00987	0	.01	98.7	51-129	L544884-01	WG564071
Benzidine	mg/l	0.00189	0	.01	18.9	10-47	L544884-01	WG564071
Benzo(a)anthracene	mg/l	0.00906	0	.01	90.6	55-127	L544884-01	WG564071
Benzo(a)pyrene	mg/l	0.00861	0	.01	86.1	47-132	L544884-01	WG564071
Benzo(b)fluoranthene	mg/l	0.00852	0	.01	85.2	42-138	L544884-01	WG564071
Benzo(g,h,i)perylene	mg/l	0.00620	0	.01	62.0	10-152	L544884-01	WG564071
Benzo(k)fluoranthene	mg/l	0.00865	0	.01	86.5	40-136	L544884-01	WG564071
Benzylbutyl phthalate	mg/l	0.00860	0	.01	86.0	14-180	L544884-01	WG564071
Bis(2-chlorethoxy)methane	mg/l	0.00838	0	.01	83.8	39-139	L544884-01	WG564071
Bis(2-chloroethyl)ether	mg/l	0.00773	0	.01	77.3	31-122	L544884-01	WG564071
Bis(2-chloroisopropyl)ether	mg/l	0.00799	0	.01	79.8	35-121	L544884-01	WG564071
Bis(2-ethylhexyl)phthalate	mg/l	0.00554	0	.01	55.4	23-173	L544884-01	WG564071
Chrysene	mg/l	0.00882	0	.01	88.2	55-124	L544884-01	WG564071
Di-n-butyl phthalate	mg/l	0.00973	0	.01	97.2	43-154	L544884-01	WG564071
Di-n-octyl phthalate	mg/l	0.00531	0	.01	53.1	23-173	L544884-01	WG564071
Dibenz(a,h)anthracene	mg/l	0.00655	0	.01	65.5	16-149	L544884-01	WG564071
Diethyl phthalate	mg/l	0.00903	0	.01	90.3	28-150	L544884-01	WG564071
Dimethyl phthalate	mg/l	0.00781	0	.01	78.1	10-159	L544884-01	WG564071
Fluoranthene	mg/l	0.00963	0	.01	96.3	58-130	L544884-01	WG564071
Fluorene	mg/l	0.00977	0	.01	97.7	51-120	L544884-01	WG564071
Hexachloro-1,3-butadiene	mg/l	0.00823	0	.01	82.3	32-120	L544884-01	WG564071
Hexachlorobenzene	mg/l	0.00880	0	.01	88.0	48-126	L544884-01	WG564071
Hexachlorocyclopentadiene	mg/l	0.00758	0	.01	75.8	10-125	L544884-01	WG564071
Hexachloroethane	mg/l	0.00701	0	.01	70.1	10-121	L544884-01	WG564071
Indeno(1,2,3-cd)pyrene	mg/l	0.00664	0	.01	66.4	17-147	L544884-01	WG564071
Isophorone	mg/l	0.00694	0	.01	69.4	47-116	L544884-01	WG564071
n-Nitrosodi-n-propylamine	mg/l	0.00835	0	.01	83.5	36-139	L544884-01	WG564071
n-Nitrosodimethylamine	mg/l	0.00465	0	.01	46.5	10-83	L544884-01	WG564071
n-Nitrosodiphenylamine	mg/l	0.00986	0	.01	98.6	43-124	L544884-01	WG564071
Naphthalene	mg/l	0.00821	0	.01	82.1	32-116	L544884-01	WG564071
Nitrobenzene	mg/l	0.00792	0	.01	79.2	36-110	L544884-01	WG564071
Pentachlorophenol	mg/l	0.00767	0	.01	76.6	10-152	L544884-01	WG564071
Phenanthrene	mg/l	0.00931	0	.01	93.1	49-130	L544884-01	WG564071
Phenol	mg/l	0.00252	0	.01	25.2	10-69	L544884-01	WG564071
Pyrene	mg/l	0.00871	0	.01	87.1	47-135	L544884-01	WG564071

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Quality Assurance Report
Level II

L544884

November 16, 2011

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
2,4,6-Tribromophenol					91.90	16-147			
2-Fluorobiphenyl					90.18	29-127			
2-Fluorophenol					29.20	10-75			
Nitrobenzene-d5					81.39	17-119			
Phenol-d5					29.19	10-63			
p-Terphenyl-d14					91.44	40-174			

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0213	0.0220	85.2	71-130	3.22	20	L544884-01	WG563916
1,1,1-Trichloroethane	mg/l	0.0219	0.0228	87.7	58-137	3.94	20	L544884-01	WG563916
1,1,2,2-Tetrachloroethane	mg/l	0.0224	0.0219	89.5	64-149	2.01	20	L544884-01	WG563916
1,1,2-Trichloroethane	mg/l	0.0213	0.0216	85.4	73-128	1.02	20	L544884-01	WG563916
1,1,2-Trichlorotrifluoroethane	mg/l	0.0202	0.0207	80.8	36-159	2.58	21	L544884-01	WG563916
1,1-Dichloroethane	mg/l	0.0218	0.0228	87.3	58-133	4.37	20	L544884-01	WG563916
1,1-Dichloroethene	mg/l	0.0208	0.0213	83.2	32-152	2.29	20	L544884-01	WG563916
1,1-Dichloropropene	mg/l	0.0216	0.0222	86.5	50-140	2.67	20	L544884-01	WG563916
1,2,3-Trichlorobenzene	mg/l	0.0220	0.0226	88.1	68-135	2.68	20	L544884-01	WG563916
1,2,3-Trichloropropane	mg/l	0.0230	0.0225	92.1	74-137	2.46	20	L544884-01	WG563916
1,2,3-Trimethylbenzene	mg/l	0.0202	0.0208	80.8	67-133	2.89	20	L544884-01	WG563916
1,2,4-Trichlorobenzene	mg/l	0.0231	0.0238	92.5	67-133	2.85	20	L544884-01	WG563916
1,2,4-Trimethylbenzene	mg/l	0.0208	0.0213	83.1	62-141	2.49	20	L544884-01	WG563916
1,2-Dibromo-3-Chloropropane	mg/l	0.0248	0.0243	99.1	55-148	2.02	22	L544884-01	WG563916
1,2-Dibromoethane	mg/l	0.0223	0.0226	89.1	71-129	1.24	20	L544884-01	WG563916
1,2-Dichlorobenzene	mg/l	0.0213	0.0217	85.0	75-125	1.94	20	L544884-01	WG563916
1,2-Dichloroethane	mg/l	0.0220	0.0227	88.0	59-135	2.88	20	L544884-01	WG563916
1,2-Dichloropropane	mg/l	0.0219	0.0224	87.5	68-126	2.15	20	L544884-01	WG563916
1,3,5-Trimethylbenzene	mg/l	0.0212	0.0218	85.0	67-136	2.57	20	L544884-01	WG563916
1,3-Dichlorobenzene	mg/l	0.0205	0.0212	82.2	69-131	3.17	20	L544884-01	WG563916
1,3-Dichloropropane	mg/l	0.0212	0.0213	85.0	70-122	0.150	20	L544884-01	WG563916
1,4-Dichlorobenzene	mg/l	0.0212	0.0221	85.0	70-123	4.08	20	L544884-01	WG563916
2,2-Dichloropropane	mg/l	0.0228	0.0239	91.1	51-141	4.74	20	L544884-01	WG563916
2-Butanone (MEK)	mg/l	0.123	0.118	98.3	51-149	4.18	22	L544884-01	WG563916
2-Chloroethyl vinyl ether	mg/l	0.00904	0.0550	7.23*	10-161	144.*	40	L544884-01	WG563916
2-Chlorotoluene	mg/l	0.0206	0.0212	82.6	65-133	2.77	20	L544884-01	WG563916
4-Chlorotoluene	mg/l	0.0210	0.0216	84.0	67-129	2.81	20	L544884-01	WG563916
4-Methyl-2-pentanone (MIBK)	mg/l	0.133	0.127	106.	53-154	4.69	21	L544884-01	WG563916
Acetone	mg/l	0.107	0.102	85.3	34-146	4.53	22	L544884-01	WG563916
Acrolein	mg/l	0.00669	0.00648	5.35*	10-189	3.17	30	L544884-01	WG563916
Acrylonitrile	mg/l	0.128	0.124	102.	49-162	3.10	20	L544884-01	WG563916
Benzene	mg/l	0.0217	0.0225	86.7	51-134	3.54	20	L544884-01	WG563916
Bromobenzene	mg/l	0.0206	0.0208	82.3	64-130	1.16	20	L544884-01	WG563916
Bromodichloromethane	mg/l	0.0218	0.0222	87.0	67-132	2.09	20	L544884-01	WG563916
Bromoform	mg/l	0.0205	0.0204	81.9	59-137	0.190	20	L544884-01	WG563916
Bromomethane	mg/l	0.0210	0.0214	83.9	23-177	2.10	21	L544884-01	WG563916
Carbon tetrachloride	mg/l	0.0202	0.0212	80.9	49-140	4.87	20	L544884-01	WG563916
Chlorobenzene	mg/l	0.0204	0.0208	81.8	69-126	1.91	20	L544884-01	WG563916
Chlorodibromomethane	mg/l	0.0212	0.0216	84.7	68-130	1.93	20	L544884-01	WG563916
Chloroethane	mg/l	0.0231	0.0240	92.3	32-177	3.95	21	L544884-01	WG563916
Chloroform	mg/l	0.0224	0.0230	89.4	64-130	2.89	20	L544884-01	WG563916
Chloromethane	mg/l	0.0222	0.0229	88.7	27-155	3.08	20	L544884-01	WG563916
cis-1,2-Dichloroethene	mg/l	0.0219	0.0227	87.8	54-137	3.33	20	L544884-01	WG563916
cis-1,3-Dichloropropene	mg/l	0.0217	0.0228	86.8	63-127	5.04	20	L544884-01	WG563916
Di-isopropyl ether	mg/l	0.0230	0.0237	91.9	58-133	3.04	20	L544884-01	WG563916
Dibromomethane	mg/l	0.0223	0.0226	89.2	68-131	1.32	20	L544884-01	WG563916
Dichlorodifluoromethane	mg/l	0.0242	0.0247	96.6	16-188	2.33	22	L544884-01	WG563916
Ethylbenzene	mg/l	0.0204	0.0213	81.7	64-135	4.08	20	L544884-01	WG563916
Hexachloro-1,3-butadiene	mg/l	0.0205	0.0212	82.0	64-140	3.44	20	L544884-01	WG563916

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Quality Assurance Report
Level II

L544884

November 16, 2011

Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Isopropylbenzene	mg/l	0.0234	0.0239	93.8	62-134	1.75	20	L544884-01	WG563916
Methyl tert-butyl ether	mg/l	0.0240	0.0242	96.0	55-136	1.02	20	L544884-01	WG563916
Methylene Chloride	mg/l	0.0212	0.0217	84.7	52-130	2.39	20	L544884-01	WG563916
n-Butylbenzene	mg/l	0.0225	0.0234	90.0	62-142	3.83	20	L544884-01	WG563916
n-Propylbenzene	mg/l	0.0211	0.0216	84.2	62-137	2.59	20	L544884-01	WG563916
Naphthalene	mg/l	0.0227	0.0224	90.9	65-140	1.59	20	L544884-01	WG563916
p-Isopropyltoluene	mg/l	0.0217	0.0223	86.8	64-142	2.93	20	L544884-01	WG563916
sec-Butylbenzene	mg/l	0.0211	0.0217	84.3	67-139	2.69	20	L544884-01	WG563916
Styrene	mg/l	0.0153	0.0157	61.2	58-152	2.47	20	L544884-01	WG563916
tert-Butylbenzene	mg/l	0.0213	0.0218	85.2	66-139	2.23	20	L544884-01	WG563916
Tetrachloroethene	mg/l	0.0198	0.0205	79.1	56-139	3.50	20	L544884-01	WG563916
Toluene	mg/l	0.0212	0.0219	84.7	61-126	3.57	20	L544884-01	WG563916
trans-1,2-Dichloroethene	mg/l	0.0210	0.0215	84.1	45-137	2.19	20	L544884-01	WG563916
trans-1,3-Dichloropropene	mg/l	0.0219	0.0223	87.7	59-130	1.56	20	L544884-01	WG563916
Trichloroethene	mg/l	0.0211	0.0217	84.5	40-155	2.86	20	L544884-01	WG563916
Trichlorofluoromethane	mg/l	0.0226	0.0235	90.4	35-177	4.06	23	L544884-01	WG563916
Vinyl chloride	mg/l	0.0229	0.0234	91.5	32-159	2.17	21	L544884-01	WG563916
Xylenes, Total	mg/l	0.0629	0.0644	83.9	64-133	2.40	20	L544884-01	WG563916
4-Bromofluorobenzene				99.32	82-120				WG563916
Toluene-d8				102.9	92-112				WG563916
a,a,a-Trifluorotoluene				102.2	90-116				WG563916
1,1,1,2-Tetrachloroethane	mg/l	0.0215	0.0235	86.1	71-130	8.88	20	L544884-04	WG564454
1,1,1-Trichloroethane	mg/l	0.0202	0.0219	81.0	58-137	7.98	20	L544884-04	WG564454
1,1,2,2-Tetrachloroethane	mg/l	0.0232	0.0248	93.0	64-149	6.47	20	L544884-04	WG564454
1,1,2-Trichloroethane	mg/l	0.0216	0.0228	86.5	73-128	5.34	20	L544884-04	WG564454
1,1,2-Trichlorotrifluoroethane	mg/l	0.0177	0.0188	70.9	36-159	5.84	21	L544884-04	WG564454
1,1-Dichloroethane	mg/l	0.0202	0.0215	80.8	58-133	6.40	20	L544884-04	WG564454
1,1-Dichloroethene	mg/l	0.0165	0.0176	65.9	32-152	6.66	20	L544884-04	WG564454
1,1-Dichloropropene	mg/l	0.0179	0.0192	71.4	50-140	7.42	20	L544884-04	WG564454
1,2,3-Trichlorobenzene	mg/l	0.0222	0.0239	88.9	68-135	7.44	20	L544884-04	WG564454
1,2,3-Trichloropropane	mg/l	0.0236	0.0249	94.3	74-137	5.57	20	L544884-04	WG564454
1,2,3-Trimethylbenzene	mg/l	0.0206	0.0221	82.3	67-133	7.29	20	L544884-04	WG564454
1,2,4-Trichlorobenzene	mg/l	0.0235	0.0254	94.0	67-133	7.74	20	L544884-04	WG564454
1,2,4-Trimethylbenzene	mg/l	0.0203	0.0226	81.4	62-141	10.6	20	L544884-04	WG564454
1,2-Dibromo-3-Chloropropane	mg/l	0.0251	0.0253	100.	55-148	0.770	22	L544884-04	WG564454
1,2-Dibromoethane	mg/l	0.0216	0.0229	86.3	71-129	6.16	20	L544884-04	WG564454
1,2-Dichlorobenzene	mg/l	0.0220	0.0233	88.1	75-125	5.70	20	L544884-04	WG564454
1,2-Dichloroethane	mg/l	0.0208	0.0222	83.3	59-135	6.29	20	L544884-04	WG564454
1,2-Dichloropropane	mg/l	0.0210	0.0228	83.9	68-126	8.44	20	L544884-04	WG564454
1,3,5-Trimethylbenzene	mg/l	0.0209	0.0232	83.8	67-136	10.2	20	L544884-04	WG564454
1,3-Dichlorobenzene	mg/l	0.0207	0.0230	82.9	69-131	10.3	20	L544884-04	WG564454
1,3-Dichloropropane	mg/l	0.0213	0.0224	85.0	70-122	5.26	20	L544884-04	WG564454
1,4-Dichlorobenzene	mg/l	0.0220	0.0237	88.0	70-123	7.51	20	L544884-04	WG564454
2,2-Dichloropropane	mg/l	0.0217	0.0233	87.0	51-141	7.07	20	L544884-04	WG564454
2-Butanone (MEK)	mg/l	0.126	0.128	100.	51-149	1.61	22	L544884-04	WG564454
2-Chloroethyl vinyl ether	mg/l	0.00362	0.0531	2.89*	10-161	175.*	40	L544884-04	WG564454
2-Chlorotoluene	mg/l	0.0205	0.0226	81.9	65-133	9.70	20	L544884-04	WG564454
4-Chlorotoluene	mg/l	0.0207	0.0230	82.8	67-129	10.4	20	L544884-04	WG564454
4-Methyl-2-pentanone (MIBK)	mg/l	0.139	0.141	111.	53-154	1.96	21	L544884-04	WG564454
Acetone	mg/l	0.110	0.111	88.0	34-146	0.490	22	L544884-04	WG564454
Acrolein	mg/l	0.00694	0.00822	5.55*	10-189	17.0	30	L544884-04	WG564454
Acrylonitrile	mg/l	0.127	0.129	101.	49-162	1.86	20	L544884-04	WG564454
Benzene	mg/l	0.0192	0.0206	76.8	51-134	7.20	20	L544884-04	WG564454
Bromobenzene	mg/l	0.0203	0.0223	81.2	64-130	9.38	20	L544884-04	WG564454
Bromodichloromethane	mg/l	0.0213	0.0230	85.4	67-132	7.58	20	L544884-04	WG564454
Bromoform	mg/l	0.0202	0.0218	80.9	59-137	7.57	20	L544884-04	WG564454
Bromomethane	mg/l	0.0196	0.0208	78.4	23-177	5.94	21	L544884-04	WG564454

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Wil King
13910 West 96th Terrace

Lenexa, KS 66215

Quality Assurance Report
Level II

L544884

November 16, 2011

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Carbon tetrachloride	mg/l	0.0178	0.0193	71.1	49-140	8.37	20	L544884-04	WG564454
Chlorobenzene	mg/l	0.0199	0.0216	79.6	69-126	8.36	20	L544884-04	WG564454
Chlorodibromomethane	mg/l	0.0215	0.0228	85.8	68-130	6.08	20	L544884-04	WG564454
Chloroethane	mg/l	0.0185	0.0206	73.8	32-177	10.9	21	L544884-04	WG564454
Chloroform	mg/l	0.0216	0.0234	86.2	64-130	8.08	20	L544884-04	WG564454
Chloromethane	mg/l	0.0153	0.0166	61.2	27-155	7.89	20	L544884-04	WG564454
cis-1,2-Dichloroethene	mg/l	0.0200	0.0215	79.8	54-137	7.54	20	L544884-04	WG564454
cis-1,3-Dichloropropene	mg/l	0.0205	0.0226	82.1	63-127	9.78	20	L544884-04	WG564454
Di-isopropyl ether	mg/l	0.0224	0.0239	89.8	58-133	6.12	20	L544884-04	WG564454
Dibromomethane	mg/l	0.0211	0.0226	84.3	68-131	6.96	20	L544884-04	WG564454
Dichlorodifluoromethane	mg/l	0.0189	0.0212	75.6	16-188	11.5	22	L544884-04	WG564454
Ethylbenzene	mg/l	0.0197	0.0215	78.9	64-135	8.81	20	L544884-04	WG564454
Hexachloro-1,3-butadiene	mg/l	0.0206	0.0227	82.2	64-140	9.78	20	L544884-04	WG564454
Isopropylbenzene	mg/l	0.0230	0.0250	91.8	62-134	8.69	20	L544884-04	WG564454
Methyl tert-butyl ether	mg/l	0.0237	0.0249	94.8	55-136	5.05	20	L544884-04	WG564454
Methylene Chloride	mg/l	0.0189	0.0206	75.6	52-130	8.57	20	L544884-04	WG564454
n-Butylbenzene	mg/l	0.0227	0.0248	90.7	62-142	9.12	20	L544884-04	WG564454
n-Propylbenzene	mg/l	0.0207	0.0228	82.6	62-137	9.75	20	L544884-04	WG564454
Naphthalene	mg/l	0.0228	0.0236	91.4	65-140	3.26	20	L544884-04	WG564454
p-Isopropyltoluene	mg/l	0.0213	0.0239	85.4	64-142	11.3	20	L544884-04	WG564454
sec-Butylbenzene	mg/l	0.0211	0.0233	84.5	67-139	9.89	20	L544884-04	WG564454
Styrene	mg/l	0.0151	0.0165	60.3	58-152	8.69	20	L544884-04	WG564454
tert-Butylbenzene	mg/l	0.0212	0.0234	84.7	66-139	9.82	20	L544884-04	WG564454
Tetrachloroethene	mg/l	0.0178	0.0194	71.2	56-139	8.47	20	L544884-04	WG564454
Toluene	mg/l	0.0197	0.0216	77.4	61-126	9.19	20	L544884-04	WG564454
trans-1,2-Dichloroethene	mg/l	0.0160	0.0177	64.1	45-137	9.82	20	L544884-04	WG564454
trans-1,3-Dichloropropene	mg/l	0.0215	0.0230	86.0	59-130	6.69	20	L544884-04	WG564454
Trichloroethene	mg/l	0.0187	0.0202	74.9	40-155	7.71	20	L544884-04	WG564454
Trichlorofluoromethane	mg/l	0.0194	0.0214	77.6	35-177	9.90	23	L544884-04	WG564454
Vinyl chloride	mg/l	0.0165	0.0183	65.9	32-159	10.3	21	L544884-04	WG564454
Xylenes, Total	mg/l	0.0606	0.0660	80.7	64-133	8.63	20	L544884-04	WG564454
4-Bromofluorobenzene				95.71	82-120				WG564454
Toluene-d8				102.2	92-112				WG564454
a,a,a-Trifluorotoluene				102.2	90-116				WG564454
1,2,4-Trichlorobenzene	mg/l	0.00720	0.00753	72.0	34-101	4.50	23	L544884-01	WG564071
2,4,6-Trichlorophenol	mg/l	0.00870	0.00889	87.0	14-145	2.12	39	L544884-01	WG564071
2,4-Dichlorophenol	mg/l	0.00831	0.00827	83.1	17-132	0.422	30	L544884-01	WG564071
2,4-Dimethylphenol	mg/l	0.00654	0.00718	65.4	10-154	9.35	40	L544884-01	WG564071
2,4-Dinitrophenol	mg/l	0.00607	0.00668	60.7	10-167	9.48	36	L544884-01	WG564071
2,4-Dinitrotoluene	mg/l	0.00909	0.00933	90.9	48-133	2.54	21	L544884-01	WG564071
2,6-Dinitrotoluene	mg/l	0.00926	0.00971	92.6	52-123	4.76	20	L544884-01	WG564071
2-Chloronaphthalene	mg/l	0.00851	0.00874	85.0	47-111	2.75	20	L544884-01	WG564071
2-Chlorophenol	mg/l	0.00654	0.00671	65.4	18-103	2.70	33	L544884-01	WG564071
2-Nitrophenol	mg/l	0.00861	0.00833	86.1	25-130	3.35	31	L544884-01	WG564071
3,3-Dichlorobenzidine	mg/l	0.0124	0.0130	124.	10-149	4.58	33	L544884-01	WG564071
4,6-Dinitro-2-methylphenol	mg/l	0.00697	0.00743	69.6	10-149	6.52	40	L544884-01	WG564071
4-Bromophenyl-phenylether	mg/l	0.00921	0.00953	92.1	51-138	3.37	20	L544884-01	WG564071
4-Chloro-3-methylphenol	mg/l	0.00772	0.00757	77.2	19-138	1.87	25	L544884-01	WG564071
4-Chlorophenyl-phenylether	mg/l	0.00911	0.00957	91.0	47-132	5.01	20	L544884-01	WG564071
4-Nitrophenol	mg/l	0.00267	0.00276	26.7	10-86	3.32	40	L544884-01	WG564071
Acenaphthene	mg/l	0.00899	0.00950	89.9	45-121	5.52	20	L544884-01	WG564071
Acenaphthylene	mg/l	0.00913	0.00938	91.3	52-122	2.62	20	L544884-01	WG564071
Anthracene	mg/l	0.00980	0.00987	98.0	51-129	0.752	20	L544884-01	WG564071
Benzidine	mg/l	0.00129	0.00189	12.9	10-47	37.4	40	L544884-01	WG564071
Benzo(a)anthracene	mg/l	0.00886	0.00906	88.6	55-127	2.29	20	L544884-01	WG564071
Benzo(a)pyrene	mg/l	0.00861	0.00861	86.1	47-132	0.0792	20	L544884-01	WG564071
Benzo(b)fluoranthene	mg/l	0.00843	0.00852	84.2	42-138	1.06	20	L544884-01	WG564071

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Quality Assurance Report
Level II

L544884

November 16, 2011

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzo(g,h,i)perylene	mg/l	0.00639	0.00620	63.9	10-152	3.03	22	L544884-01	WG564071
Benzo(k)fluoranthene	mg/l	0.00888	0.00865	88.8	40-136	2.64	21	L544884-01	WG564071
Benzylbutyl phthalate	mg/l	0.00885	0.00860	88.5	14-180	2.92	25	L544884-01	WG564071
Bis(2-chlorethoxy)methane	mg/l	0.00842	0.00838	84.2	39-139	0.471	22	L544884-01	WG564071
Bis(2-chloroethyl)ether	mg/l	0.00702	0.00773	70.2	31-122	9.60	29	L544884-01	WG564071
Bis(2-chloroisopropyl)ether	mg/l	0.00740	0.00799	74.0	35-121	7.66	25	L544884-01	WG564071
Bis(2-ethylhexyl)phthalate	mg/l	0.00597	0.00554	59.7	23-173	7.36	24	L544884-01	WG564071
Chrysene	mg/l	0.00873	0.00882	87.3	55-124	0.969	20	L544884-01	WG564071
Di-n-butyl phthalate	mg/l	0.0121	0.00973	121.	43-154	22.1*	20	L544884-01	WG564071
Di-n-octyl phthalate	mg/l	0.00531	0.00531	53.1	23-173	0.0324	25	L544884-01	WG564071
Dibenz(a,h)anthracene	mg/l	0.00655	0.00655	65.4	16-149	0.0513	22	L544884-01	WG564071
Diethyl phthalate	mg/l	0.00849	0.00903	84.9	28-150	6.24	21	L544884-01	WG564071
Dimethyl phthalate	mg/l	0.00772	0.00781	77.2	10-159	1.06	30	L544884-01	WG564071
Fluoranthene	mg/l	0.00948	0.00963	94.8	58-130	1.61	20	L544884-01	WG564071
Fluorene	mg/l	0.00944	0.00977	94.4	51-120	3.51	20	L544884-01	WG564071
Hexachloro-1,3-butadiene	mg/l	0.00800	0.00823	80.0	32-120	2.90	24	L544884-01	WG564071
Hexachlorobenzene	mg/l	0.00862	0.00880	86.2	48-126	2.08	20	L544884-01	WG564071
Hexachlorocyclopentadiene	mg/l	0.00741	0.00758	74.1	10-125	2.20	35	L544884-01	WG564071
Hexachloroethane	mg/l	0.00650	0.00701	65.0	10-121	7.52	31	L544884-01	WG564071
Indeno(1,2,3-cd)pyrene	mg/l	0.00678	0.00664	67.8	17-147	2.10	21	L544884-01	WG564071
Isophorone	mg/l	0.00684	0.00694	68.4	47-116	1.40	20	L544884-01	WG564071
n-Nitrosodi-n-propylamine	mg/l	0.00789	0.00835	78.9	36-139	5.71	24	L544884-01	WG564071
n-Nitrosodimethylamine	mg/l	0.00430	0.00465	43.0	10-83	7.72	40	L544884-01	WG564071
n-Nitrosodiphenylamine	mg/l	0.00924	0.00986	92.4	43-124	6.49	20	L544884-01	WG564071
Naphthalene	mg/l	0.00790	0.00821	79.0	32-116	3.82	20	L544884-01	WG564071
Nitrobenzene	mg/l	0.00790	0.00792	79.0	36-110	0.228	24	L544884-01	WG564071
Pentachlorophenol	mg/l	0.00752	0.00767	75.2	10-152	1.90	40	L544884-01	WG564071
Phenanthrene	mg/l	0.00934	0.00931	93.4	49-130	0.359	20	L544884-01	WG564071
Phenol	mg/l	0.00254	0.00252	25.4	10-69	0.511	34	L544884-01	WG564071
Pyrene	mg/l	0.00880	0.00871	88.0	47-135	0.968	21	L544884-01	WG564071
2,4,6-Tribromophenol				90.08	16-147				WG564071
2-Fluorobiphenyl				82.72	29-127				WG564071
2-Fluorophenol				28.91	10-75				WG564071
Nitrobenzene-d5				79.87	17-119				WG564071
Phenol-d5				27.86	10-63				WG564071
p-Terphenyl-d14				90.90	40-174				WG564071

Batch number /Run number / Sample number cross reference

WG563916: R1923433: L544884-01 02 03 05 06 07 08 09
WG564454: R1923857: L544884-04
WG564071: R1924417: L544884-01 08
WG564274: R1924813: L544884-02 03 04 05
WG564565: R1926993: L544884-06 07

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L544884

November 16, 2011

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

December 07, 2011 Service Request No: E1101076

Wil King
Terracon Environmental
13910 W. 96th Terrace
Lenexa, KS 66215

Laboratory Results for: Bannister Complex/02107144

Dear Wil:

Enclosed are the results of the sample(s) submitted to our laboratory on November 3, 2011. For your reference, these analyses have been assigned our service request number **E1101076**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current TNI standards, where applicable, and except as noted in the laboratory case narrative provided. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the final complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the TNI 2009 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 2962. You may also contact me via email at MCosson@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Michael Cosson
Project Manager

Page 1 of _____

Columbia Analytical Services INC

Certificate of Analysis

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COLUMBIA ANALYTICAL SERVICES, INC

Client:	Terracon Environmental	**Service Request No.:**	E1101076
Project:	Bannister Complex	**Date Received:**	11/3/11
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier IV. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Eight water samples received for analysis at Columbia Analytical Services on 11/3/11.

The following discrepancies were noted upon initial sample inspection: no custody seals on cooler. The exceptions are also noted on the cooler receipt and preservation form included in this data package.

The samples were received between 0 and 1°C in good condition and are consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

B flags – Method Blanks

The Method Blank EQ1100541-01 contained low levels of various analytes at or below the Method Reporting Limit (MRL).

The associated compounds in the samples are flagged with 'B' flags.

MS/MSD

EQ1100541: Laboratory Control Spike (LCS) sample was analyzed and reported in addition to an MS/MSD for this extraction batch. The batch quality control criteria were met.

Y flags – Labeled Standards

Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y' flags on the Labeled Compound summary pages. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.

K flags

EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

Mass Spectrometer Resolution

Mass 430.9728 of U142174 Continuing Calibration did not print out due to an automatic printout program error.

Mass 254.9856 of U110223 Initial Calibration is below the resolution of 8000.

Detection Limits

Detection limits are calculated for each congener in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

Several samples had elevated detection limits that exceeded the MRL. In these cases, the MRL is raised to equal the EDL.

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Client: Terracon Environmental
Project: Bannister Complex/02107144

Service Request: E1101076

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
E1101076-001	KC91-157L	11/1/11	18:55
E1101076-002	KC91-157U	11/1/11	18:20
E1101076-003	KC91-156U	11/1/11	17:25
E1101076-004	KC91- 156L	11/1/11	16:40
E1101076-005	KC91-152L	11/1/11	15:27
E1101076-006	KC91-152U	11/1/11	14:25
E1101076-007	Rinsate	11/1/11	12:05
E1101076-008	DUP	11/1/11	00:00

Superset Summary

Service Request: E1101076 **SuperSet Reference:** 11-0000196718 rev 00

1668A/Cl Biphen Cong

Calibrations: 02/23/11

Data Files:

Raw Data	*Begin CCAL*	*Method Blank*	*Lab ID*
U142156	U142155	U142175	EQ1100541-02
U142158	U142155	U142175	E1101076-001
U142159	U142155	U142175	E1101076-002
U142160	U142155	U142175	E1101076-006
U142161	U142155	U142175	EQ1100541-03
U142162	U142155	U142175	EQ1100541-04
U142167	U142165	U142175	E1101076-003
U142168	U142165	U142175	E1101076-004
U142169	U142165	U142175	E1101076-007
U142170	U142165	U142175	E1101076-008
U142175	U142174	U142175	EQ1100541-01
U142177	U142174	U142175	E1101076-005

Laboratory Certifications
2011-2012

STATE/PROGRAM	AGENCY	CERT#	EXP DATE	CERTIFIED?
DoD ELAP	A2LA	2897.01	11/30/11	Yes
ISO 17025	A2LA	2897.01	11/30/11	Yes
Arizona	AZ-DHS	AZ0725	05/27/12	Yes
arkansas	ADEQ	10-035-0	06/16/11	Yes
California	CA-ELAP	2452	02/28/13	Yes
Florida/NELAP	FL-DOHS	E87611	06/30/12	Yes
Hawaii	HI-DOH	N/A	06/30/12	Yes
Illinois/NELAP	IL-EPA	002611	10/26/2012	Yes
Louisiana/NELAP	LELAP	03048	06/30/12	Yes
Louisiana/NELAP	LDHH	LA100032	12/31/11	Yes
Maine	ME-DOHS	2010041	06/05/12	Yes
Michigan	MIDEQ	9971	06/30/12	Yes
Minnesota	MDH	048-999-427	12/31/11	Yes
Nevada	NDEP	TX014112010A	07/31/12	Yes (Extension)
New Jersey	NJDEP	TX008	06/30/12	Yes
New Mexico	NMED-DWB	N/A	06/30/12	Yes
New York/NELAP	NY-DOH	11707	04/1/12	Yes
Oklahoma	OKDEQ	2010-022	08/31/12	Yes
Oregon/NELAP	ORELAP	TX200002-006	03/24/12	Yes
Pennsylvania/NELAP	PLAP	002	06/30/12	Yes
Tennessee	TNDEC	04016	06/30/12	Yes
Texas/NELAP	TCEQ	T104704216-10-1	06/30/12	Yes
UTAH/NELAP	UTELCP	COLU2	06/30/12	Yes
Soil Import Permit	USDA	P330-09-00067	03/27/12	Yes
Washington/NELAP	WA-Ecology	C819-10	11/14/12	Yes
West Virginia	WVDEP	347	06/30/12	Yes

Abbreviations, Acronyms & Definitions

Cal	Calibration
Conc	CONCentration
Dioxin(s)	Polychlorinated dibenzo-p-dioxin(s)
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
Flags	Data qualifiers
Furan(s)	Polychlorinated dibenzofuran(s)
g	Grams
ICAL	Initial CALibration
ID	IDentifier
Ions	Masses monitored for the analyte during data acquisition
L	Liter (s)
LCS	Laboratory Control Sample
DLCS	Duplicate Laboratory Control Sample
MB	Method Blank
MCL	Method Calibration Limit
MDL	Method Detection Limit
MRL	Method Reporting Limit
mL	Milliliters
MS	Matrix Spiked sample
DMS	Duplicate Matrix Spiked sample
NO	Number of peaks meeting all identification criteria
PCDD(s)	Polychlorinated dibenzo-p-dioxin(s)
PCDF(s)	Polychlorinated dibenzofuran(s)
ppb	Parts per billion
ppm	Parts per million
ppq	Parts per quadrillion
ppt	Parts per trillion
QA	Quality Assurance
QC	Quality Control
Ratio	Ratio of areas from monitored ions for an analyte
% Rec.	Percent Recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
S/N	Signal-to-Noise ratio
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Quotient

Data Qualifier Flags – PCB Congeners

- **B** Indicates the associated analyte is found in the method blank, as well as in the sample
- **E** Indicates an estimated value – used when the analyte concentration exceeds the upper end of the linear calibration range
- **J** Indicates an estimated value – used when the analyte concentration is below the method reporting limit (MRL) and above the estimated detection limit (EDL)
- **K** EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.
- **U** Indicates the compound was analyzed and not detected
- **Y** Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y' flags on the Form 2s. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.
- **ND** Indicates concentration is reported as 'Not Detected'
- **S** Peak is saturated; data not reportable
- **Q** Lock-mass interference by ether compounds

COLUMBIA ANALYTICAL SERVICES, INC. – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID E1101076 DB-5 DB-225 SPB-Octyl

First Level - Data Processing - to be filled by person generating the forms

Date: 12/05/11	Analyst:	Samples: 001, 002, 006, 006MS, 006DMS

Second Level - Data Review – to be filled by person doing peer review

Date: 12/06/11	Analyst:	Samples: 001, 002, 006, MS, DMS

COLUMBIA ANALYTICAL SERVICES, INC. – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID: E1101076 DB-5 DB-225 SPB-Octyl

First Level - Data Processing - to be filled by person generating the forms

Date: 12/1/11 Analyst: cee Samples: -005

Second Level - Data Review – to be filled by person doing peer review

Date: 12/01/11 Analyst: [illegible] Samples: 005

COLUMBIA ANALYTICAL SERVICES, INC. – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID E1101076 DB-5 DB-225 SPB-Octyl

First Level - Data Processing - to be filled by person generating the forms

Date: 12/6/11 Analyst: cee Samples: 1,3,4,7,8

Second Level - Data Review – to be filled by person doing peer review

Date: 12/07/11 Analyst: [illegible] Samples: 003,004,007,008

Columbia Analytical Services INC

Analytical Results

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1855
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157L	**Units:**	pg/L
Lab Code:	E1101076-001	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1158
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142158	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	ND	U	9.57	196			1
PCB 2	ND	U	10.2	10.2			1
PCB 3	ND	U	9.77	196			1
PCB 4	ND	U	38.5	490			1
PCB 10	ND	U	20.2	49.0			1
PCB 9	ND	U	38.0	49.0			1
PCB 7	ND	U	40.0	49.0			1
PCB 6	ND	U	35.4	49.0			1
PCB 5	ND	U	44.9	49.0			1
PCB 8	ND	U	33.1	490			1
PCB 14	ND	U	36.4	98.0			1
PCB 11	**354**		39.8	196	1.43	0.973	1
PCBs 12 + 13	ND	U	41.6	98.0			1
PCB 15	ND	U	39.8	490			1
PCB 19	ND	U	8.82	98.0			1
PCBs 18 + 30	**42.7**	J	6.00	490	1.00	1.102	1
PCB 17	**17.7**	J	7.74	196	0.88	1.124	1
PCB 27	ND	U	4.97	196			1
PCB 24	ND	U	5.58	196			1
PCB 16	**15.5**	JK	9.54	98.0	0.74	1.147	1
PCB 32	**10.7**	J	4.76	196	1.08	1.175	1
PCB 34	ND	U	9.25	196			1
PCB 23	ND	U	10.1	196			1
PCBs 26 + 29	ND	U	9.58	196			1
PCB 25	ND	U	9.15	196			1
PCB 31	**32.6**	JK	9.27	490	0.87	0.850	1
PCBs 20 + 28	**42.5**	J	9.99	490	0.95	0.861	1
PCBs 21 + 33	**19.4**	JK	9.53	196	0.75	0.869	1
PCB 22	ND	U	10.8	196			1
PCB 36	ND	U	9.19	196			1
PCB 39	ND	U	9.93	196			1
PCB 38	ND	U	9.96	196			1
PCB 35	ND	U	10.2	196			1
PCB 37	ND	U	11.5	490			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1855
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157L	**Units:**	pg/L
Lab Code:	E1101076-001	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1158
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142158	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	ND	U	5.16	490			1
PCBs 50 + 53	ND	U	8.82	196			1
PCBs 45 + 51	ND	U	9.06	196			1
PCB 46	ND	U	10.9	196			1
PCB 52	**43.5**	BJ	8.02	490	0.65	1.210	1
PCBs 43 + 73	ND	U	8.45	490			1
PCBs 49 + 69	**14.1**	JK	7.48	490	0.94	1.232	1
PCB 48	ND	U	8.99	196			1
PCBs 44 + 47 + 65	**52.5**	BJ	8.18	490	0.78	1.257	1
PCBs 59 + 62 + 75	ND	U	6.77	196			1
PCB 42	ND	U	9.31	196			1
PCBs 41 + 71 + 40	ND	U	9.01	490			1
PCB 64	**11.2**	JK	6.51	196	0.51	1.312	1
PCB 72	ND	U	6.39	490			1
PCB 68	ND	U	6.50	490			1
PCB 57	ND	U	7.00	490			1
PCB 58	ND	U	7.33	490			1
PCB 67	ND	U	6.95	490			1
PCB 63	ND	U	6.98	490			1
PCBs 70 + 61 + 74 + 76	**41.0**	BJ	7.15	490	0.72	0.884	1
PCB 66	**15.3**	J	6.94	490	0.88	0.893	1
PCB 55	ND	U	7.47	490			1
PCB 56	ND	U	7.31	196			1
PCB 60	ND	U	5.84	490			1
PCB 80	ND	U	5.34	490			1
PCB 79	ND	U	5.46	490			1
PCB 78	ND	U	6.08	490			1
PCB 81	ND	U	7.18	490			1
PCB 77	ND	U	7.42	490			1
PCB 104	ND	U	6.74	490			1
PCB 96	ND	U	5.62	490			1
PCB 103	ND	U	6.68	490			1
PCB 94	ND	U	8.33	490			1
PCB 95	**28.2**	BJ	7.25	490	1.45	1.109	1
PCBs 93 + 100	ND	U	7.94	490			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1855
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157L	**Units:**	pg/L
Lab Code:	E1101076-001	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1158
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142158	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	7.79	490			1
PCBs 88 + 91	ND	U	7.68	490			1
PCB 84	ND	U	9.20	490			1
PCB 89	ND	U	7.77	490			1
PCB 121	ND	U	4.54	490			1
PCB 92	ND	U	6.09	490			1
PCBs 90 + 101 + 113	**40.9**	BJK	5.62	980	1.93	0.879	1
PCBs 83 + 99	**18.5**	J	6.59	490	1.37	0.894	1
PCB 112	ND	U	4.35	980			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	**32.3**	BJ	5.63	490	1.34	0.910	1
PCB 117	ND	U	6.35	196			1
PCBs 85 + 116	ND	U	5.02	196			1
PCBs 110 + 115	**47.4**	BJ	4.91	980	1.62	0.931	1
PCB 82	ND	U	7.37	490			1
PCB 111	ND	U	5.12	980			1
PCB 120	ND	U	4.76	490			1
PCBs 108 + 124	ND	U	7.80	980			1
PCB 107	ND	U	7.72	980			1
PCB 123	ND	U	8.73	490			1
PCB 106	ND	U	7.58	490			1
PCB 118	**56.8**	BJ	8.85	490	1.57	1.000	1
PCB 122	ND	U	8.49	490			1
PCB 114	ND	U	9.42	490			1
PCB 105	ND	U	9.80	196			1
PCB 127	ND	U	8.73	980			1
PCB 126	ND	U	12.3	490			1
PCB 155	ND	U	4.28	980			1
PCB 152	ND	U	3.37	980			1
PCB 150	ND	U	3.49	980			1
PCB 136	ND	U	3.46	196			1
PCB 145	ND	U	3.65	980			1
PCB 148	ND	U	4.54	980			1
PCBs 135 + 151	ND	U	4.74	490			1
PCB 154	ND	U	4.19	490			1
PCB 144	ND	U	4.59	490			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1855
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157L	**Units:**	pg/L
Lab Code:	E1101076-001	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1158
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142158	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**25.6**	BJK	7.25	490	1.46	1.122	1
PCB 134	ND	U	8.98	490			1
PCB 143	ND	U	7.26	490			1
PCBs 139 + 140	ND	U	7.25	490			1
PCB 131	ND	U	8.18	490			1
PCB 142	ND	U	8.21	980			1
PCB 132	ND	U	8.47	490			1
PCB 133	ND	U	7.72	490			1
PCB 165	ND	U	6.48	980			1
PCB 146	ND	U	7.03	490			1
PCB 161	ND	U	5.60	980			1
PCBs 153 + 168	**23.2**	BJ	6.40	490	1.23	0.905	1
PCB 141	ND	U	7.89	196			1
PCB 130	ND	U	8.20	490			1
PCB 137	ND	U	8.33	980			1
PCB 164	ND	U	6.31	490			1
PCBs 129 + 138 + 163	**39.2**	BJK	7.86	490	1.51	0.933	1
PCB 160	ND	U	6.42	490			1
PCB 158	ND	U	6.03	196			1
PCBs 128 + 166	ND	U	7.59	490			1
PCB 159	ND	U	11.2	980			1
PCB 162	ND	U	22.5	980			1
PCB 167	ND	U	10.6	490			1
PCBs 156 + 157	ND	U	14.5	490			1
PCB 169	ND	U	14.7	490			1
PCB 188	ND	U	5.29	490			1
PCB 179	ND	U	4.34	490			1
PCB 184	ND	U	4.24	980			1
PCB 176	ND	U	4.42	980			1
PCB 186	ND	U	4.74	980			1
PCB 178	ND	U	6.21	490			1
PCB 175	ND	U	5.93	980			1
PCB 187	ND	U	5.83	490			1
PCB 182	ND	U	6.03	980			1
PCB 183	ND	U	11.5	980			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1855
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157L	**Units:**	pg/L
Lab Code:	E1101076-001	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1158
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142158	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	14.4	980			1
PCB 174	ND	U	14.3	490			1
PCB 177	ND	U	15.2	490			1
PCB 181	ND	U	14.4	980			1
PCBs 171 + 173	ND	U	15.4	980			1
PCB 172	ND	U	15.6	980			1
PCB 192	ND	U	12.8	980			1
PCBs 180 + 193	ND	U	13.3	490			1
PCB 191	ND	U	11.7	980			1
PCB 170	ND	U	16.9	490			1
PCB 190	ND	U	12.6	490			1
PCB 189	ND	U	15.4	490			1
PCB 202	ND	U	8.03	980			1
PCB 201	ND	U	6.24	980			1
PCB 204	ND	U	6.48	980			1
PCB 197	ND	U	6.69	980			1
PCB 200	ND	U	6.50	980			1
PCBs 198 + 199	ND	U	10.1	490			1
PCB 196	ND	U	9.90	980			1
PCB 203	ND	U	9.37	980			1
PCB 195	ND	U	11.1	980			1
PCB 194	ND	U	11.3	490			1
PCB 205	ND	U	12.7	980			1
PCB 208	ND	U	11.2	980			1
PCB 207	ND	U	9.62	980			1
PCB 206	ND	U	18.6	980			1
PCB 209	**123**	BJ	14.7	490	1.19	1.000	1
Total MonoCB	ND	U	9.57	196			1
Total DiCB	**354**	J	20.2	490			1
Total TriCB	**181**	J	4.76	490			1
Total TetraCB	**178**	J	5.16	490			1
Total PentaCB	**224**	J	4.35	980			1
Total HexaCB	**88.1**	J	3.37	980			1
Total HeptaCB	ND	U	4.24	980			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1855
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157L	**Units:**	pg/L
Lab Code:	E1101076-001	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1158
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142158	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	ND	U	6.24	980			1
Total NonaCB	ND	U	9.62	980			1
Total PCBs	**1150**		3.37	980			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1855
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157L	**Units:**	Percent
Lab Code:	E1101076-001	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1158
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142158	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	2986.912	30		15-150	3.02	0.745
PCB 3L	10000	4138.663	41		15-150	3.12	0.872
PCB 4L	10000	4947.356	49		25-150	1.54	0.885
PCB 15L	10000	5836.411	58		25-150	1.56	1.224
PCB 19L	10000	6217.314	62		25-150	1.02	1.064
PCB 37L	10000	5328.418	53		25-150	1.02	1.083
PCB 54L	10000	5217.413	52		25-150	0.79	0.827
PCB 81L	10000	5465.412	55		25-150	0.79	1.336
PCB 77L	10000	5860.906	59		25-150	0.80	1.357
PCB 104L	10000	5623.871	56		25-150	1.56	0.824
PCB 123L	10000	5140.475	51		25-150	1.56	1.139
PCB 118L	10000	5075.488	51		25-150	1.54	1.149
PCB 114L	10000	4845.748	48		25-150	1.58	1.164
PCB 105L	10000	4950.649	50		25-150	1.62	1.183
PCB 126L	10000	4975.643	50		25-150	1.55	1.275
PCB 155L	10000	6476.194	65		25-150	1.24	0.800
PCB 167L	10000	5326.659	53		25-150	1.27	1.072
PCBs 156L + 157L	20000	10931.391	55		25-150	1.27	1.100
PCB 169L	10000	5152.643	52		25-150	1.25	1.177
PCB 188L	10000	8310.935	83		25-150	1.05	0.728
PCB 189L	10000	6711.657	67		25-150	1.03	0.961
PCB 202L	10000	7070.646	71		25-150	0.90	0.828
PCB 205L	10000	5809.388	58		25-150	0.92	1.009
PCB 208L	10000	7110.462	71		25-150	0.80	0.952
PCB 206L	10000	5823.625	58		25-150	0.78	1.041
PCB 209L	10000	4641.465	46		25-150	1.20	1.071
PCB 28L	10000	5448.298	54		30-135	1.02	0.931
PCB 111L	10000	6409.353	64		30-135	1.53	1.081
PCB 178L	10000	6905.029	69		30-135	1.07	1.010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1820
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157U	**Units:**	pg/L
Lab Code:	E1101076-002	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1306
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142159	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	ND	U	6.48	206			1
PCB 2	ND	U	7.78	10.3			1
PCB 3	ND	U	8.32	206			1
PCB 4	ND	U	54.0	515			1
PCB 10	ND	U	32.6	51.5			1
PCB 9	ND	U	44.7	51.5			1
PCB 7	ND	U	47.1	51.5			1
PCB 6	ND	U	41.7	51.5			1
PCB 5	ND	U	52.9	52.9			1
PCB 8	ND	U	38.9	515			1
PCB 14	ND	U	42.8	103			1
PCB 11	**335**		46.8	206	1.56	0.973	1
PCBs 12 + 13	ND	U	49.0	103			1
PCB 15	ND	U	52.3	515			1
PCB 19	ND	U	10.9	103			1
PCBs 18 + 30	**46.5**	J	8.34	515	1.01	1.101	1
PCB 17	ND	U	10.8	206			1
PCB 27	ND	U	6.90	206			1
PCB 24	ND	U	7.75	206			1
PCB 16	**25.0**	J	13.3	103	0.93	1.148	1
PCB 32	**10.2**	J	6.61	206	0.98	1.175	1
PCB 34	ND	U	12.9	206			1
PCB 23	ND	U	13.9	206			1
PCBs 26 + 29	ND	U	13.3	206			1
PCB 25	ND	U	12.7	206			1
PCB 31	**32.0**	J	12.9	515	1.03	0.850	1
PCBs 20 + 28	**36.8**	JK	13.9	515	1.22	0.861	1
PCBs 21 + 33	ND	U	13.3	206			1
PCB 22	ND	U	15.0	206			1
PCB 36	ND	U	12.8	206			1
PCB 39	ND	U	13.8	206			1
PCB 38	ND	U	13.9	206			1
PCB 35	ND	U	14.2	206			1
PCB 37	ND	U	17.4	515			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1820
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157U	**Units:**	pg/L
Lab Code:	E1101076-002	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1306
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142159	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	ND	U	7.11	515			1
PCBs 50 + 53	ND	U	11.8	206			1
PCBs 45 + 51	ND	U	12.1	206			1
PCB 46	ND	U	14.6	206			1
PCB 52	**56.5**	BJ	10.8	515	0.73	1.210	1
PCBs 43 + 73	ND	U	11.3	515			1
PCBs 49 + 69	**17.1**	JK	9.99	515	1.06	1.232	1
PCB 48	ND	U	12.1	206			1
PCBs 44 + 47 + 65	**51.9**	BJK	11.0	515	0.63	1.256	1
PCBs 59 + 62 + 75	ND	U	9.04	206			1
PCB 42	ND	U	12.5	206			1
PCBs 41 + 71 + 40	ND	U	12.1	515			1
PCB 64	ND	U	8.69	206			1
PCB 72	ND	U	8.53	515			1
PCB 68	ND	U	8.68	515			1
PCB 57	ND	U	9.35	515			1
PCB 58	ND	U	9.79	515			1
PCB 67	ND	U	9.29	515			1
PCB 63	ND	U	9.32	515			1
PCBs 70 + 61 + 74 + 76	**44.7**	BJ	9.55	515	0.88	0.883	1
PCB 66	**20.8**	J	9.26	515	0.82	0.893	1
PCB 55	ND	U	9.98	515			1
PCB 56	ND	U	13.2	206			1
PCB 60	ND	U	10.6	515			1
PCB 80	ND	U	9.64	515			1
PCB 79	ND	U	9.84	515			1
PCB 78	ND	U	11.0	515			1
PCB 81	ND	U	12.8	515			1
PCB 77	ND	U	13.4	515			1
PCB 104	ND	U	9.15	515			1
PCB 96	ND	U	7.29	515			1
PCB 103	ND	U	8.66	515			1
PCB 94	ND	U	10.9	515			1
PCB 95	**30.7**	BJK	9.41	515	1.27	1.109	1
PCBs 93 + 100	ND	U	10.3	515			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1820
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157U	**Units:**	pg/L
Lab Code:	E1101076-002	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1306
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142159	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	10.2	515			1
PCBs 88 + 91	ND	U	9.96	515			1
PCB 84	ND	U	12.0	515			1
PCB 89	ND	U	10.1	515			1
PCB 121	ND	U	9.65	515			1
PCB 92	ND	U	13.0	515			1
PCBs 90 + 101 + 113	**37.0**	BJ	12.0	1030	1.44	0.879	1
PCBs 83 + 99	ND	U	14.1	515			1
PCB 112	ND	U	9.27	1030			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	ND	U	12.0	515			1
PCB 117	ND	U	13.6	206			1
PCBs 85 + 116	ND	U	10.7	206			1
PCBs 110 + 115	**33.8**	BJK	10.5	1030	2.16	0.931	1
PCB 82	ND	U	15.7	515			1
PCB 111	ND	U	11.0	1030			1
PCB 120	ND	U	10.2	515			1
PCBs 108 + 124	ND	U	11.6	1030			1
PCB 107	ND	U	11.4	1030			1
PCB 123	ND	U	13.1	515			1
PCB 106	ND	U	11.2	515			1
PCB 118	**41.4**	BJK	12.8	515	1.31	1.001	1
PCB 122	ND	U	12.6	515			1
PCB 114	ND	U	13.6	515			1
PCB 105	ND	U	14.3	206			1
PCB 127	ND	U	12.9	1030			1
PCB 126	ND	U	18.4	515			1
PCB 155	ND	U	7.87	1030			1
PCB 152	ND	U	6.07	1030			1
PCB 150	ND	U	6.29	1030			1
PCB 136	ND	U	6.23	206			1
PCB 145	ND	U	6.58	1030			1
PCB 148	ND	U	8.19	1030			1
PCBs 135 + 151	ND	U	8.54	515			1
PCB 154	ND	U	7.55	515			1
PCB 144	ND	U	8.27	515			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1820
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157U	**Units:**	pg/L
Lab Code:	E1101076-002	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1306
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142159	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**22.2**	BJK	13.6	515	1.86	1.122	1
PCB 134	ND	U	16.8	515			1
PCB 143	ND	U	13.6	515			1
PCBs 139 + 140	ND	U	13.6	515			1
PCB 131	ND	U	15.3	515			1
PCB 142	ND	U	15.4	1030			1
PCB 132	ND	U	15.9	515			1
PCB 133	ND	U	14.5	515			1
PCB 165	ND	U	12.2	1030			1
PCB 146	ND	U	13.2	515			1
PCB 161	ND	U	10.5	1030			1
PCBs 153 + 168	**24.5**	BJ	12.0	515	1.31	0.905	1
PCB 141	ND	U	14.8	206			1
PCB 130	ND	U	15.4	515			1
PCB 137	ND	U	15.6	1030			1
PCB 164	ND	U	11.9	515			1
PCBs 129 + 138 + 163	**45.4**	BJ	14.7	515	1.11	0.933	1
PCB 160	ND	U	12.1	515			1
PCB 158	ND	U	11.3	206			1
PCBs 128 + 166	ND	U	14.2	515			1
PCB 159	ND	U	14.6	1030			1
PCB 162	ND	U	29.4	1030			1
PCB 167	ND	U	13.7	515			1
PCBs 156 + 157	ND	U	19.1	515			1
PCB 169	ND	U	18.8	515			1
PCB 188	ND	U	9.53	515			1
PCB 179	ND	U	7.80	515			1
PCB 184	ND	U	7.62	1030			1
PCB 176	ND	U	7.95	1030			1
PCB 186	ND	U	8.52	1030			1
PCB 178	ND	U	11.2	515			1
PCB 175	ND	U	10.7	1030			1
PCB 187	ND	U	10.5	515			1
PCB 182	ND	U	10.9	1030			1
PCB 183	ND	U	19.2	1030			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1820
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157U	**Units:**	pg/L
Lab Code:	E1101076-002	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1306
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142159	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	24.2	1030			1
PCB 174	ND	U	23.9	515			1
PCB 177	ND	U	25.5	515			1
PCB 181	ND	U	24.1	1030			1
PCBs 171 + 173	ND	U	25.8	1030			1
PCB 172	ND	U	26.2	1030			1
PCB 192	ND	U	21.5	1030			1
PCBs 180 + 193	ND	U	22.3	515			1
PCB 191	ND	U	19.5	1030			1
PCB 170	ND	U	28.2	515			1
PCB 190	ND	U	21.2	515			1
PCB 189	ND	U	25.9	515			1
PCB 202	ND	U	14.4	1030			1
PCB 201	ND	U	11.2	1030			1
PCB 204	ND	U	11.7	1030			1
PCB 197	ND	U	12.0	1030			1
PCB 200	ND	U	11.7	1030			1
PCBs 198 + 199	ND	U	18.0	515			1
PCB 196	ND	U	17.8	1030			1
PCB 203	ND	U	16.8	1030			1
PCB 195	ND	U	19.9	1030			1
PCB 194	ND	U	20.2	515			1
PCB 205	ND	U	22.9	1030			1
PCB 208	ND	U	17.8	1030			1
PCB 207	ND	U	14.8	1030			1
PCB 206	ND	U	24.7	1030			1
PCB 209	**107**	BJK	38.8	515	1.46	1.001	1
Total MonoCB	ND	U	6.48	206			1
Total DiCB	**335**	J	32.6	515			1
Total TriCB	**151**	J	6.61	515			1
Total TetraCB	**191**	J	7.11	515			1
Total PentaCB	**143**	J	7.29	1030			1
Total HexaCB	**92.0**	J	6.07	1030			1
Total HeptaCB	ND	U	7.62	1030			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1820
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157U	**Units:**	pg/L
Lab Code:	E1101076-002	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1306
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142159	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	ND	U	11.2	1030			1
Total NonaCB	ND	U	14.8	1030			1
Total PCBs	**1020**	J	6.07	1030			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1820
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-157U	**Units:**	Percent
Lab Code:	E1101076-002	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1306
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142159	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5357.512	54		15-150	3.05	0.745
PCB 3L	10000	5859.245	59		15-150	3.16	0.872
PCB 4L	10000	6647.077	66		25-150	1.54	0.885
PCB 15L	10000	6200.234	62		25-150	1.53	1.223
PCB 19L	10000	7295.507	73		25-150	1.04	1.064
PCB 37L	10000	5202.857	52		25-150	1.01	1.083
PCB 54L	10000	5318.658	53		25-150	0.80	0.827
PCB 81L	10000	5262.626	53		25-150	0.77	1.336
PCB 77L	10000	5538.855	55		25-150	0.79	1.357
PCB 104L	10000	5516.049	55		25-150	1.59	0.824
PCB 123L	10000	4861.037	49		25-150	1.55	1.138
PCB 118L	10000	4865.938	49		25-150	1.52	1.148
PCB 114L	10000	4600.380	46		25-150	1.58	1.164
PCB 105L	10000	4718.578	47		25-150	1.53	1.183
PCB 126L	10000	4628.117	46		25-150	1.55	1.275
PCB 155L	10000	6200.850	62		25-150	1.26	0.800
PCB 167L	10000	5051.719	51		25-150	1.22	1.073
PCBs 156L + 157L	20000	10291.220	51		25-150	1.24	1.100
PCB 169L	10000	4914.783	49		25-150	1.21	1.178
PCB 188L	10000	7931.399	79		25-150	1.06	0.728
PCB 189L	10000	6259.548	63		25-150	1.04	0.961
PCB 202L	10000	6706.439	67		25-150	0.90	0.828
PCB 205L	10000	5449.026	54		25-150	0.88	1.009
PCB 208L	10000	6593.824	66		25-150	0.79	0.952
PCB 206L	10000	5702.684	57		25-150	0.80	1.041
PCB 209L	10000	4359.807	44		25-150	1.19	1.070
PCB 28L	10000	5464.064	55		30-135	1.03	0.931
PCB 111L	10000	6190.724	62		30-135	1.52	1.081
PCB 178L	10000	6469.038	65		30-135	1.05	1.011

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1725
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-156U	**Units:**	pg/L
Lab Code:	E1101076-003	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1004
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142167	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	ND	U	6.32	204			1
PCB 2	**17.0**	K	8.06	10.2	2.28	0.988	1
PCB 3	**19.8**	JK	9.13	204	2.04	1.000	1
PCB 4	ND	U	85.8	510			1
PCB 10	ND	U	46.3	51.0			1
PCB 9	ND	U	80.5	80.5			1
PCB 7	ND	U	75.7	75.7			1
PCB 6	ND	U	72.5	72.5			1
PCB 5	ND	U	88.0	88.0			1
PCB 8	ND	U	70.4	510			1
PCB 14	ND	U	73.7	102			1
PCB 11	**500**		86.5	204	1.38	0.973	1
PCBs 12 + 13	ND	U	90.6	102			1
PCB 15	ND	U	91.0	510			1
PCB 19	ND	U	17.5	102			1
PCBs 18 + 30	**49.4**	J	11.0	510	0.94	1.102	1
PCB 17	ND	U	13.2	204			1
PCB 27	ND	U	9.10	204			1
PCB 24	ND	U	10.2	204			1
PCB 16	**31.2**	J	16.3	102	0.95	1.147	1
PCB 32	ND	U	8.68	204			1
PCB 34	ND	U	17.5	204			1
PCB 23	ND	U	17.2	204			1
PCBs 26 + 29	ND	U	16.2	204			1
PCB 25	ND	U	16.0	204			1
PCB 31	**34.2**	J	16.8	510	0.97	0.851	1
PCBs 20 + 28	**32.6**	JK	17.8	510	0.67	0.861	1
PCBs 21 + 33	**17.5**	JK	16.3	204	0.73	0.869	1
PCB 22	ND	U	20.0	204			1
PCB 36	ND	U	19.6	204			1
PCB 39	ND	U	19.7	204			1
PCB 38	ND	U	20.0	204			1
PCB 35	ND	U	23.4	204			1
PCB 37	ND	U	21.0	510			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1725
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-156U	**Units:**	pg/L
Lab Code:	E1101076-003	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1004
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142167	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	ND	U	12.0	510			1
PCBs 50 + 53	**11.9**	J	10.7	204	0.66	1.100	1
PCBs 45 + 51	ND	U	11.1	204			1
PCB 46	ND	U	13.0	204			1
PCB 52	**56.2**	BJ	10.2	510	0.88	1.210	1
PCBs 43 + 73	ND	U	9.71	510			1
PCBs 49 + 69	**13.3**	JK	9.27	510	0.44	1.232	1
PCB 48	ND	U	10.7	204			1
PCBs 44 + 47 + 65	**56.1**	BJK	10.3	510	0.58	1.255	1
PCBs 59 + 62 + 75	ND	U	8.42	204			1
PCB 42	ND	U	11.5	204			1
PCBs 41 + 71 + 40	ND	U	11.2	510			1
PCB 64	ND	U	8.14	204			1
PCB 72	ND	U	8.28	510			1
PCB 68	ND	U	8.86	510			1
PCB 57	ND	U	9.11	510			1
PCB 58	ND	U	9.71	510			1
PCB 67	ND	U	9.34	510			1
PCB 63	ND	U	9.33	510			1
PCBs 70 + 61 + 74 + 76	**42.1**	BJ	9.54	510	0.89	0.884	1
PCB 66	**19.0**	J	9.43	510	0.80	0.893	1
PCB 55	ND	U	10.1	510			1
PCB 56	ND	U	9.74	204			1
PCB 60	ND	U	9.31	510			1
PCB 80	ND	U	8.66	510			1
PCB 79	ND	U	8.85	510			1
PCB 78	ND	U	10.3	510			1
PCB 81	ND	U	10.1	510			1
PCB 77	ND	U	10.8	510			1
PCB 104	ND	U	10.9	510			1
PCB 96	ND	U	6.92	510			1
PCB 103	ND	U	8.38	510			1
PCB 94	ND	U	10.5	510			1
PCB 95	**30.0**	BJ	9.12	510	1.62	1.108	1
PCBs 93 + 100	ND	U	9.85	510			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1725
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-156U	**Units:**	pg/L
Lab Code:	E1101076-003	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1004
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142167	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	9.68	510			1
PCBs 88 + 91	ND	U	9.73	510			1
PCB 84	ND	U	11.3	510			1
PCB 89	ND	U	10.3	510			1
PCB 121	ND	U	8.66	510			1
PCB 92	ND	U	11.4	510			1
PCBs 90 + 101 + 113	**47.2**	BJ	10.6	1020	1.54	0.879	1
PCBs 83 + 99	**21.0**	J	12.2	510	1.55	0.895	1
PCB 112	ND	U	8.84	1020			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	**38.3**	BJ	10.5	510	1.70	0.907	1
PCB 117	ND	U	11.8	204			1
PCBs 85 + 116	ND	U	9.68	204			1
PCBs 110 + 115	**46.5**	BJ	9.29	1020	1.46	0.931	1
PCB 82	ND	U	13.8	510			1
PCB 111	ND	U	9.58	1020			1
PCB 120	ND	U	9.34	510			1
PCBs 108 + 124	ND	U	15.9	1020			1
PCB 107	ND	U	15.5	1020			1
PCB 123	ND	U	16.6	510			1
PCB 106	ND	U	15.1	510			1
PCB 118	**41.6**	BJK	16.7	510	1.24	1.001	1
PCB 122	ND	U	16.8	510			1
PCB 114	ND	U	16.1	510			1
PCB 105	**20.8**	JK	17.2	204	1.01	1.000	1
PCB 127	ND	U	17.9	1020			1
PCB 126	ND	U	20.1	510			1
PCB 155	ND	U	11.7	1020			1
PCB 152	ND	U	7.52	1020			1
PCB 150	ND	U	7.88	1020			1
PCB 136	ND	U	7.70	204			1
PCB 145	ND	U	8.36	1020			1
PCB 148	ND	U	10.6	1020			1
PCBs 135 + 151	ND	U	11.1	510			1
PCB 154	ND	U	9.47	510			1
PCB 144	ND	U	10.5	510			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1725
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-156U	**Units:**	pg/L
Lab Code:	E1101076-003	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1004
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142167	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**24.7**	BJ	11.4	510	1.29	1.123	1
PCB 134	ND	U	13.5	510			1
PCB 143	ND	U	11.7	510			1
PCBs 139 + 140	ND	U	11.5	510			1
PCB 131	ND	U	13.1	510			1
PCB 142	ND	U	12.5	1020			1
PCB 132	**14.2**	JK	13.8	510	1.85	1.161	1
PCB 133	ND	U	12.4	510			1
PCB 165	ND	U	10.5	1020			1
PCB 146	ND	U	11.5	510			1
PCB 161	ND	U	9.25	1020			1
PCBs 153 + 168	**22.6**	BJ	10.2	510	1.32	0.905	1
PCB 141	ND	U	12.6	204			1
PCB 130	ND	U	14.5	510			1
PCB 137	ND	U	13.6	1020			1
PCB 164	ND	U	10.3	510			1
PCBs 129 + 138 + 163	**29.7**	BJK	12.2	510	1.85	0.933	1
PCB 160	ND	U	10.6	510			1
PCB 158	ND	U	9.61	204			1
PCBs 128 + 166	ND	U	12.3	510			1
PCB 159	ND	U	12.0	1020			1
PCB 162	ND	U	12.7	1020			1
PCB 167	ND	U	11.0	510			1
PCBs 156 + 157	ND	U	14.8	510			1
PCB 169	ND	U	13.2	510			1
PCB 188	ND	U	10.6	510			1
PCB 179	ND	U	7.70	510			1
PCB 184	ND	U	7.75	1020			1
PCB 176	ND	U	8.04	1020			1
PCB 186	ND	U	8.49	1020			1
PCB 178	ND	U	11.4	510			1
PCB 175	ND	U	10.7	1020			1
PCB 187	ND	U	10.5	510			1
PCB 182	ND	U	11.4	1020			1
PCB 183	ND	U	14.4	1020			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1725
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-156U	**Units:**	pg/L
Lab Code:	E1101076-003	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1004
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142167	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	19.5	1020			1
PCB 174	ND	U	16.5	510			1
PCB 177	ND	U	17.8	510			1
PCB 181	ND	U	18.1	1020			1
PCBs 171 + 173	ND	U	18.8	1020			1
PCB 172	ND	U	19.5	1020			1
PCB 192	ND	U	16.1	1020			1
PCBs 180 + 193	ND	U	16.3	510			1
PCB 191	ND	U	14.4	1020			1
PCB 170	ND	U	20.6	510			1
PCB 190	ND	U	15.8	510			1
PCB 189	ND	U	16.2	510			1
PCB 202	ND	U	12.6	1020			1
PCB 201	ND	U	9.14	1020			1
PCB 204	ND	U	9.48	1020			1
PCB 197	ND	U	10.7	1020			1
PCB 200	ND	U	8.91	1020			1
PCBs 198 + 199	ND	U	14.6	510			1
PCB 196	ND	U	14.1	1020			1
PCB 203	ND	U	13.9	1020			1
PCB 195	ND	U	15.7	1020			1
PCB 194	ND	U	15.5	510			1
PCB 205	ND	U	17.2	1020			1
PCB 208	ND	U	21.3	1020			1
PCB 207	ND	U	17.0	1020			1
PCB 206	ND	U	23.0	1020			1
PCB 209	**110**	BJ	16.7	510	1.33	1.000	1
Total MonoCB	**36.7**	J	6.32	204			1
Total DiCB	**500**	J	46.3	510			1
Total TriCB	**165**	J	8.68	510			1
Total TetraCB	**199**	J	8.14	510			1
Total PentaCB	**245**	J	6.92	1020			1
Total HexaCB	**91.2**	J	7.52	1020			1
Total HeptaCB	ND	U	7.70	1020			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1725
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-156U	**Units:**	pg/L
Lab Code:	E1101076-003	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1004
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142167	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	ND	U	8.91	1020			1
Total NonaCB	ND	U	17.0	1020			1
Total PCBs	**1350**		6.32	1020			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1725
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-156U	**Units:**	Percent
Lab Code:	E1101076-003	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1004
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142167	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5607.524	56		15-150	3.01	0.745
PCB 3L	10000	6000.022	60		15-150	3.15	0.872
PCB 4L	10000	5954.874	60		25-150	1.59	0.885
PCB 15L	10000	6601.649	66		25-150	1.55	1.225
PCB 19L	10000	6749.072	67		25-150	1.01	1.065
PCB 37L	10000	6358.412	64		25-150	1.03	1.083
PCB 54L	10000	4795.496	48		25-150	0.79	0.827
PCB 81L	10000	6704.356	67		25-150	0.78	1.336
PCB 77L	10000	7020.744	70		25-150	0.78	1.357
PCB 104L	10000	5046.397	50		25-150	1.56	0.824
PCB 123L	10000	5939.857	59		25-150	1.58	1.139
PCB 118L	10000	5948.043	59		25-150	1.55	1.149
PCB 114L	10000	5790.804	58		25-150	1.59	1.164
PCB 105L	10000	5929.895	59		25-150	1.57	1.184
PCB 126L	10000	6133.045	61		25-150	1.56	1.276
PCB 155L	10000	5385.604	54		25-150	1.26	0.800
PCB 167L	10000	5911.138	59		25-150	1.27	1.072
PCBs 156L + 157L	20000	12465.838	62		25-150	1.28	1.100
PCB 169L	10000	6622.225	66		25-150	1.24	1.178
PCB 188L	10000	6436.264	64		25-150	1.07	0.728
PCB 189L	10000	7173.028	72		25-150	1.03	0.961
PCB 202L	10000	5970.932	60		25-150	0.89	0.828
PCB 205L	10000	5885.094	59		25-150	0.91	1.009
PCB 208L	10000	5828.300	58		25-150	0.79	0.952
PCB 206L	10000	6953.491	70		25-150	0.78	1.041
PCB 209L	10000	4933.061	49		25-150	1.21	1.071
PCB 28L	10000	6409.289	64		30-135	1.02	0.931
PCB 111L	10000	6575.966	66		30-135	1.59	1.081
PCB 178L	10000	6012.695	60		30-135	1.05	1.011

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1640
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91- 156L	**Units:**	pg/L
Lab Code:	E1101076-004	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1112
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142168	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	ND	U	7.38	206			1
PCB 2	ND	U	8.87	10.3			1
PCB 3	**15.8**	J	9.58	206	2.86	1.001	1
PCB 4	ND	U	204	515			1
PCB 10	ND	U	102	102			1
PCB 9	ND	U	125	125			1
PCB 7	ND	U	118	118			1
PCB 6	ND	U	113	113			1
PCB 5	ND	U	137	137			1
PCB 8	ND	U	109	515			1
PCB 14	ND	U	115	115			1
PCB 11	**603**		134	206	1.64	0.973	1
PCBs 12 + 13	ND	U	141	141			1
PCB 15	ND	U	133	515			1
PCB 19	ND	U	19.1	103			1
PCBs 18 + 30	**46.9**	JK	11.6	515	1.31	1.101	1
PCB 17	**22.5**	JK	13.9	206	0.85	1.123	1
PCB 27	ND	U	9.56	206			1
PCB 24	ND	U	10.7	206			1
PCB 16	ND	U	17.1	103			1
PCB 32	**16.1**	J	9.12	206	0.95	1.174	1
PCB 34	ND	U	35.2	206			1
PCB 23	ND	U	34.6	206			1
PCBs 26 + 29	ND	U	32.5	206			1
PCB 25	ND	U	32.1	206			1
PCB 31	**51.2**	J	33.8	515	1.10	0.851	1
PCBs 20 + 28	**63.5**	J	35.8	515	1.17	0.861	1
PCBs 21 + 33	ND	U	32.7	206			1
PCB 22	ND	U	40.2	206			1
PCB 36	ND	U	39.3	206			1
PCB 39	ND	U	39.7	206			1
PCB 38	ND	U	40.3	206			1
PCB 35	ND	U	47.1	206			1
PCB 37	ND	U	41.1	515			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1640
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91- 156L	**Units:**	pg/L
Lab Code:	E1101076-004	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1112
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142168	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	ND	U	13.3	515			1
PCBs 50 + 53	ND	U	7.87	206			1
PCBs 45 + 51	ND	U	8.17	206			1
PCB 46	ND	U	9.55	206			1
PCB 52	**90.3**	BJ	7.49	515	0.70	1.211	1
PCBs 43 + 73	ND	U	7.18	515			1
PCBs 49 + 69	**27.1**	J	6.86	515	0.76	1.233	1
PCB 48	ND	U	7.87	206			1
PCBs 44 + 47 + 65	**128**	BJ	7.59	515	0.81	1.258	1
PCBs 59 + 62 + 75	ND	U	6.22	206			1
PCB 42	ND	U	8.50	206			1
PCBs 41 + 71 + 40	**14.3**	JK	8.25	515	1.12	1.302	1
PCB 64	ND	U	6.02	206			1
PCB 72	ND	U	6.12	515			1
PCB 68	ND	U	6.55	515			1
PCB 57	ND	U	6.74	515			1
PCB 58	ND	U	7.18	515			1
PCB 67	ND	U	6.91	515			1
PCB 63	ND	U	6.90	515			1
PCBs 70 + 61 + 74 + 76	**57.5**	BJK	7.05	515	0.63	0.884	1
PCB 66	**19.8**	JK	6.97	515	0.56	0.892	1
PCB 55	ND	U	7.47	515			1
PCB 56	ND	U	11.7	206			1
PCB 60	ND	U	11.2	515			1
PCB 80	ND	U	10.5	515			1
PCB 79	ND	U	10.7	515			1
PCB 78	ND	U	12.3	515			1
PCB 81	ND	U	12.2	515			1
PCB 77	ND	U	12.6	515			1
PCB 104	ND	U	9.17	515			1
PCB 96	ND	U	5.63	515			1
PCB 103	ND	U	6.82	515			1
PCB 94	ND	U	8.48	515			1
PCB 95	**46.1**	BJ	7.42	515	1.34	1.108	1
PCBs 93 + 100	ND	U	8.02	515			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1640
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91- 156L	**Units:**	pg/L
Lab Code:	E1101076-004	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1112
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142168	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	7.88	515			1
PCBs 88 + 91	**9.66**	JK	7.92	515	0.93	1.139	1
PCB 84	ND	U	9.19	515			1
PCB 89	ND	U	8.39	515			1
PCB 121	ND	U	7.11	515			1
PCB 92	ND	U	9.31	515			1
PCBs 90 + 101 + 113	**55.3**	BJK	8.67	1030	1.20	0.879	1
PCBs 83 + 99	**27.9**	J	10.1	515	1.32	0.894	1
PCB 112	ND	U	7.27	1030			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	**29.7**	BJK	8.56	515	2.16	0.910	1
PCB 117	ND	U	9.70	206			1
PCBs 85 + 116	ND	U	7.95	206			1
PCBs 110 + 115	**49.4**	BJ	7.63	1030	1.71	0.931	1
PCB 82	ND	U	11.3	515			1
PCB 111	ND	U	7.87	1030			1
PCB 120	ND	U	7.67	515			1
PCBs 108 + 124	ND	U	11.8	1030			1
PCB 107	ND	U	11.4	1030			1
PCB 123	ND	U	12.0	515			1
PCB 106	ND	U	11.2	515			1
PCB 118	**43.7**	BJ	11.8	515	1.37	1.001	1
PCB 122	ND	U	12.5	515			1
PCB 114	ND	U	12.2	515			1
PCB 105	**13.7**	J	12.6	206	1.45	1.001	1
PCB 127	ND	U	13.2	1030			1
PCB 126	ND	U	15.0	515			1
PCB 155	ND	U	9.43	1030			1
PCB 152	ND	U	5.72	1030			1
PCB 150	ND	U	6.00	1030			1
PCB 136	ND	U	5.86	206			1
PCB 145	ND	U	6.37	1030			1
PCB 148	ND	U	8.01	1030			1
PCBs 135 + 151	ND	U	8.44	515			1
PCB 154	ND	U	7.21	515			1
PCB 144	ND	U	8.00	515			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1640
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91- 156L	**Units:**	pg/L
Lab Code:	E1101076-004	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1112
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142168	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**24.8**	BJ	9.59	515	1.08	1.123	1
PCB 134	ND	U	11.4	515			1
PCB 143	ND	U	9.87	515			1
PCBs 139 + 140	ND	U	9.70	515			1
PCB 131	ND	U	11.1	515			1
PCB 142	ND	U	10.6	1030			1
PCB 132	ND	U	11.6	515			1
PCB 133	ND	U	10.4	515			1
PCB 165	ND	U	8.84	1030			1
PCB 146	ND	U	9.69	515			1
PCB 161	ND	U	7.81	1030			1
PCBs 153 + 168	**13.8**	BJK	8.61	515	2.24	0.905	1
PCB 141	ND	U	10.7	206			1
PCB 130	ND	U	12.2	515			1
PCB 137	ND	U	11.5	1030			1
PCB 164	ND	U	8.67	515			1
PCBs 129 + 138 + 163	**36.6**	BJ	10.3	515	1.33	0.933	1
PCB 160	ND	U	8.93	515			1
PCB 158	ND	U	8.12	206			1
PCBs 128 + 166	ND	U	10.4	515			1
PCB 159	ND	U	13.0	1030			1
PCB 162	ND	U	13.8	1030			1
PCB 167	ND	U	11.9	515			1
PCBs 156 + 157	ND	U	15.4	515			1
PCB 169	ND	U	13.6	515			1
PCB 188	ND	U	9.35	515			1
PCB 179	ND	U	6.80	515			1
PCB 184	ND	U	6.85	1030			1
PCB 176	ND	U	7.11	1030			1
PCB 186	ND	U	7.50	1030			1
PCB 178	ND	U	10.1	515			1
PCB 175	ND	U	9.45	1030			1
PCB 187	ND	U	9.26	515			1
PCB 182	ND	U	10.1	1030			1
PCB 183	ND	U	13.9	1030			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1640
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91- 156L	**Units:**	pg/L
Lab Code:	E1101076-004	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1112
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142168	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	18.7	1030			1
PCB 174	ND	U	15.9	515			1
PCB 177	ND	U	17.0	515			1
PCB 181	ND	U	17.3	1030			1
PCBs 171 + 173	ND	U	18.0	1030			1
PCB 172	ND	U	18.7	1030			1
PCB 192	ND	U	15.4	1030			1
PCBs 180 + 193	ND	U	15.6	515			1
PCB 191	ND	U	13.8	1030			1
PCB 170	ND	U	19.7	515			1
PCB 190	ND	U	15.1	515			1
PCB 189	ND	U	15.5	515			1
PCB 202	ND	U	10.9	1030			1
PCB 201	ND	U	7.77	1030			1
PCB 204	ND	U	8.05	1030			1
PCB 197	ND	U	9.04	1030			1
PCB 200	ND	U	7.57	1030			1
PCBs 198 + 199	ND	U	12.4	515			1
PCB 196	ND	U	12.0	1030			1
PCB 203	ND	U	11.8	1030			1
PCB 195	ND	U	13.4	1030			1
PCB 194	ND	U	13.2	515			1
PCB 205	ND	U	14.4	1030			1
PCB 208	ND	U	17.8	1030			1
PCB 207	ND	U	13.9	1030			1
PCB 206	ND	U	23.8	1030			1
PCB 209	**148**	BJ	20.6	515	1.00	1.001	1
Total MonoCB	**15.8**	J	7.38	206			1
Total DiCB	**603**		102	515			1
Total TriCB	**200**	J	9.12	515			1
Total TetraCB	**337**	J	6.02	515			1
Total PentaCB	**275**	J	5.63	1030			1
Total HexaCB	**75.2**	J	5.72	1030			1
Total HeptaCB	ND	U	6.80	1030			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1640
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91- 156L	**Units:**	pg/L
Lab Code:	E1101076-004	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1112
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142168	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	ND	U	7.57	1030			1
Total NonaCB	ND	U	13.9	1030			1
Total PCBs	**1650**		5.63	1030			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1640
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91- 156L	**Units:**	Percent
Lab Code:	E1101076-004	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1112
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	970mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142168	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5618.909	56		15-150	3.08	0.745
PCB 3L	10000	6307.628	63		15-150	3.12	0.872
PCB 4L	10000	5887.096	59		25-150	1.58	0.885
PCB 15L	10000	7023.749	70		25-150	1.56	1.225
PCB 19L	10000	6784.315	68		25-150	1.05	1.065
PCB 37L	10000	6971.071	70		25-150	1.05	1.083
PCB 54L	10000	4666.985	47		25-150	0.82	0.827
PCB 81L	10000	7222.268	72		25-150	0.78	1.337
PCB 77L	10000	7609.195	76		25-150	0.80	1.358
PCB 104L	10000	5095.011	51		25-150	1.57	0.824
PCB 123L	10000	6486.842	65		25-150	1.53	1.139
PCB 118L	10000	6571.197	66		25-150	1.57	1.148
PCB 114L	10000	6325.113	63		25-150	1.55	1.164
PCB 105L	10000	6476.271	65		25-150	1.55	1.183
PCB 126L	10000	6885.826	69		25-150	1.52	1.276
PCB 155L	10000	5349.911	53		25-150	1.25	0.800
PCB 167L	10000	6450.469	65		25-150	1.26	1.073
PCBs 156L + 157L	20000	13494.672	67		25-150	1.27	1.100
PCB 169L	10000	7277.026	73		25-150	1.25	1.178
PCB 188L	10000	6940.349	69		25-150	1.05	0.728
PCB 189L	10000	7865.771	79		25-150	1.03	0.961
PCB 202L	10000	6336.224	63		25-150	0.90	0.828
PCB 205L	10000	6176.225	62		25-150	0.91	1.009
PCB 208L	10000	6081.736	61		25-150	0.80	0.952
PCB 206L	10000	7415.519	74		25-150	0.80	1.041
PCB 209L	10000	5296.793	53		25-150	1.18	1.070
PCB 28L	10000	6935.453	69		30-135	1.02	0.932
PCB 111L	10000	6984.436	70		30-135	1.57	1.081
PCB 178L	10000	6087.885	61		30-135	1.06	1.011

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1527
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152L	**Units:**	pg/L
Lab Code:	E1101076-005	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 1011
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	880mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142177	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	ND	U	8.19	227			1
PCB 2	ND	U	9.15	11.4			1
PCB 3	**19.1**	J	11.4	227	2.70	1.001	1
PCB 4	ND	U	431	568			1
PCB 10	ND	U	236	236			1
PCB 9	ND	U	369	369			1
PCB 7	ND	U	375	375			1
PCB 6	ND	U	372	372			1
PCB 5	ND	U	424	424			1
PCB 8	ND	U	355	568			1
PCB 14	ND	U	379	379			1
PCB 11	ND	U	395	395			1
PCBs 12 + 13	ND	U	421	421			1
PCB 15	ND	U	455	568			1
PCB 19	ND	U	20.5	114			1
PCBs 18 + 30	**94.0**	J	13.8	568	1.06	1.102	1
PCB 17	**45.3**	JK	16.6	227	0.77	1.124	1
PCB 27	ND	U	12.2	227			1
PCB 24	ND	U	13.0	227			1
PCB 16	**57.4**	J	19.2	114	0.96	1.147	1
PCB 32	**38.1**	J	11.3	227	1.07	1.176	1
PCB 34	ND	U	21.3	227			1
PCB 23	ND	U	22.3	227			1
PCBs 26 + 29	**24.5**	J	21.1	227	1.12	1.268	1
PCB 25	ND	U	19.5	227			1
PCB 31	**141**	J	20.1	568	1.03	0.850	1
PCBs 20 + 28	**194**	J	21.9	568	1.07	0.861	1
PCBs 21 + 33	**108**	J	21.2	227	0.95	0.869	1
PCB 22	**66.2**	J	23.1	227	0.98	0.884	1
PCB 36	ND	U	20.8	227			1
PCB 39	ND	U	21.0	227			1
PCB 38	ND	U	21.9	227			1
PCB 35	ND	U	21.2	227			1
PCB 37	ND	U	26.7	568			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1527
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152L	**Units:**	pg/L
Lab Code:	E1101076-005	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 1011
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	880mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142177	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	ND	U	9.92	568			1
PCBs 50 + 53	ND	U	10.8	227			1
PCBs 45 + 51	ND	U	11.2	227			1
PCB 46	ND	U	13.1	227			1
PCB 52	**133**	BJ	10.1	568	0.75	1.211	1
PCBs 43 + 73	ND	U	10.2	568			1
PCBs 49 + 69	**71.1**	J	9.26	568	0.69	1.233	1
PCB 48	**25.6**	J	11.0	227	0.86	1.246	1
PCBs 44 + 47 + 65	**134**	BJ	9.94	568	0.85	1.256	1
PCBs 59 + 62 + 75	ND	U	8.41	227			1
PCB 42	**20.5**	JK	11.4	227	0.52	1.279	1
PCBs 41 + 71 + 40	**57.8**	J	11.1	568	0.72	1.301	1
PCB 64	**50.3**	J	7.93	227	0.84	1.313	1
PCB 72	ND	U	7.72	568			1
PCB 68	ND	U	7.90	568			1
PCB 57	ND	U	8.25	568			1
PCB 58	ND	U	8.72	568			1
PCB 67	ND	U	8.05	568			1
PCB 63	ND	U	8.18	568			1
PCBs 70 + 61 + 74 + 76	**186**	BJ	8.59	568	0.70	0.883	1
PCB 66	**88.7**	J	8.10	568	0.83	0.893	1
PCB 55	ND	U	9.17	568			1
PCB 56	**32.9**	JK	17.0	227	0.99	0.912	1
PCB 60	**29.5**	J	16.7	568	0.67	0.918	1
PCB 80	ND	U	14.9	568			1
PCB 79	ND	U	14.5	568			1
PCB 78	ND	U	16.0	568			1
PCB 81	ND	U	19.8	568			1
PCB 77	ND	U	21.1	568			1
PCB 104	ND	U	10.2	568			1
PCB 96	ND	U	7.63	568			1
PCB 103	ND	U	8.81	568			1
PCB 94	ND	U	11.0	568			1
PCB 95	**63.1**	BJK	9.61	568	1.23	1.109	1
PCBs 93 + 100	ND	U	10.1	568			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1527
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152L	**Units:**	pg/L
Lab Code:	E1101076-005	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 1011
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	880mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142177	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	10.3	568			1
PCBs 88 + 91	**14.9**	JK	10.1	568	1.27	1.140	1
PCB 84	**14.2**	JK	11.5	568	3.07	1.147	1
PCB 89	ND	U	11.0	568			1
PCB 121	ND	U	11.1	568			1
PCB 92	**14.9**	BJK	14.1	568	0.96	0.864	1
PCBs 90 + 101 + 113	**101**	BJ	12.9	1140	1.39	0.879	1
PCBs 83 + 99	**40.5**	JK	14.0	568	1.27	0.895	1
PCB 112	ND	U	11.1	1140			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	**62.5**	BJ	12.4	568	1.53	0.910	1
PCB 117	ND	U	12.8	227			1
PCBs 85 + 116	**22.7**	JK	12.2	227	2.00	0.927	1
PCBs 110 + 115	**84.7**	BJ	11.2	1140	1.52	0.931	1
PCB 82	ND	U	16.4	568			1
PCB 111	ND	U	11.1	1140			1
PCB 120	ND	U	10.1	568			1
PCBs 108 + 124	ND	U	12.7	1140			1
PCB 107	ND	U	12.8	1140			1
PCB 123	ND	U	14.1	568			1
PCB 106	ND	U	12.3	568			1
PCB 118	**80.1**	BJ	14.3	568	1.71	1.001	1
PCB 122	ND	U	12.9	568			1
PCB 114	ND	U	13.9	568			1
PCB 105	**31.9**	JK	15.2	227	1.13	1.001	1
PCB 127	ND	U	13.3	1140			1
PCB 126	ND	U	17.6	568			1
PCB 155	ND	U	11.6	1140			1
PCB 152	ND	U	7.83	1140			1
PCB 150	ND	U	8.04	1140			1
PCB 136	ND	U	8.00	227			1
PCB 145	ND	U	8.68	1140			1
PCB 148	ND	U	10.7	1140			1
PCBs 135 + 151	**26.6**	J	11.0	568	1.43	1.095	1
PCB 154	ND	U	9.78	568			1
PCB 144	ND	U	10.7	568			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1527
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152L	**Units:**	pg/L
Lab Code:	E1101076-005	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 1011
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	880mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142177	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**67.8**	BJ	9.92	568	1.17	1.122	1
PCB 134	ND	U	11.2	568			1
PCB 143	ND	U	10.6	568			1
PCBs 139 + 140	ND	U	10.1	568			1
PCB 131	ND	U	11.3	568			1
PCB 142	ND	U	11.0	1140			1
PCB 132	**15.9**	JK	10.9	568	2.00	1.160	1
PCB 133	ND	U	10.1	568			1
PCB 165	ND	U	8.61	1140			1
PCB 146	**10.3**	JK	9.99	568	0.94	0.891	1
PCB 161	ND	U	7.42	1140			1
PCBs 153 + 168	**46.1**	BJ	8.24	568	1.21	0.905	1
PCB 141	ND	U	10.9	227			1
PCB 130	ND	U	11.7	568			1
PCB 137	ND	U	11.3	1140			1
PCB 164	ND	U	8.43	568			1
PCBs 129 + 138 + 163	**67.6**	BJ	9.98	568	1.29	0.933	1
PCB 160	ND	U	8.85	568			1
PCB 158	ND	U	7.88	227			1
PCBs 128 + 166	**10.4**	J	9.92	568	1.14	0.961	1
PCB 159	ND	U	13.8	1140			1
PCB 162	ND	U	14.3	1140			1
PCB 167	ND	U	13.7	568			1
PCBs 156 + 157	ND	U	18.7	568			1
PCB 169	ND	U	17.1	568			1
PCB 188	ND	U	11.8	568			1
PCB 179	ND	U	8.82	568			1
PCB 184	ND	U	8.79	1140			1
PCB 176	ND	U	8.84	1140			1
PCB 186	ND	U	9.55	1140			1
PCB 178	ND	U	12.5	568			1
PCB 175	ND	U	31.1	1140			1
PCB 187	**21.8**	JK	12.3	568	0.71	1.102	1
PCB 182	ND	U	13.8	1140			1
PCB 183	ND	U	17.9	1140			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1527
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152L	**Units:**	pg/L
Lab Code:	E1101076-005	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 1011
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	880mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142177	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	27.0	1140			1
PCB 174	ND	U	23.3	568			1
PCB 177	ND	U	23.6	568			1
PCB 181	ND	U	22.9	1140			1
PCBs 171 + 173	ND	U	24.7	1140			1
PCB 172	ND	U	24.4	1140			1
PCB 192	ND	U	20.2	1140			1
PCBs 180 + 193	**35.9**	J	20.5	568	1.20	0.916	1
PCB 191	ND	U	18.5	1140			1
PCB 170	ND	U	25.5	568			1
PCB 190	ND	U	19.1	568			1
PCB 189	ND	U	22.7	568			1
PCB 202	ND	U	12.2	1140			1
PCB 201	ND	U	9.15	1140			1
PCB 204	ND	U	9.29	1140			1
PCB 197	ND	U	9.72	1140			1
PCB 200	ND	U	9.09	1140			1
PCBs 198 + 199	ND	U	14.0	568			1
PCB 196	ND	U	13.3	1140			1
PCB 203	ND	U	12.9	1140			1
PCB 195	ND	U	15.4	1140			1
PCB 194	ND	U	14.7	568			1
PCB 205	ND	U	17.1	1140			1
PCB 208	ND	U	17.0	1140			1
PCB 207	ND	U	13.1	1140			1
PCB 206	ND	U	21.5	1140			1
PCB 209	**154**	BJ	19.7	568	1.20	1.001	1
Total MonoCB	**19.1**	J	8.19	227			1
Total DiCB	ND	U	236	568			1
Total TriCB	**769**		11.3	568			1
Total TetraCB	**830**		7.72	568			1
Total PentaCB	**531**	J	7.63	1140			1
Total HexaCB	**245**	J	7.42	1140			1
Total HeptaCB	**57.7**	J	8.79	1140			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1527
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152L	**Units:**	pg/L
Lab Code:	E1101076-005	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 1011
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	880mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142177	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	ND	U	9.09	1140			1
Total NonaCB	ND	U	13.1	1140			1
Total PCBs	**2600**		7.42	1140			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1527
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152L	**Units:**	Percent
Lab Code:	E1101076-005	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 1011
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	880mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142177	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5605.308	56		15-150	3.13	0.745
PCB 3L	10000	6099.423	61		15-150	3.13	0.872
PCB 4L	10000	5927.980	59		25-150	1.56	0.885
PCB 15L	10000	6896.734	69		25-150	1.57	1.224
PCB 19L	10000	6818.927	68		25-150	1.04	1.064
PCB 37L	10000	6994.151	70		25-150	1.11	1.083
PCB 54L	10000	4819.609	48		25-150	0.79	0.827
PCB 81L	10000	7454.905	75		25-150	0.79	1.336
PCB 77L	10000	7846.992	78		25-150	0.79	1.357
PCB 104L	10000	5087.372	51		25-150	1.57	0.824
PCB 123L	10000	6388.971	64		25-150	1.56	1.138
PCB 118L	10000	6380.410	64		25-150	1.59	1.148
PCB 114L	10000	6447.104	64		25-150	1.63	1.164
PCB 105L	10000	6345.755	63		25-150	1.60	1.183
PCB 126L	10000	6635.837	66		25-150	1.64	1.276
PCB 155L	10000	6216.089	62		25-150	1.27	0.800
PCB 167L	10000	6621.441	66		25-150	1.24	1.072
PCBs 156L + 157L	20000	13999.319	70		25-150	1.26	1.100
PCB 169L	10000	7320.159	73		25-150	1.25	1.178
PCB 188L	10000	7109.952	71		25-150	1.07	0.728
PCB 189L	10000	7617.560	76		25-150	1.04	0.961
PCB 202L	10000	6912.851	69		25-150	0.89	0.828
PCB 205L	10000	6424.805	64		25-150	0.89	1.008
PCB 208L	10000	6766.368	68		25-150	0.80	0.952
PCB 206L	10000	7406.030	74		25-150	0.77	1.041
PCB 209L	10000	5291.508	53		25-150	1.18	1.070
PCB 28L	10000	7185.534	72		30-135	1.02	0.931
PCB 111L	10000	7065.631	71		30-135	1.57	1.081
PCB 178L	10000	6528.366	65		30-135	1.06	1.011

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	E1101076-006	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1414
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142160	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	ND	U	8.25	200			1
PCB 2	ND	U	9.84	10.0			1
PCB 3	ND	U	10.5	200			1
PCB 4	ND	U	62.5	500			1
PCB 10	ND	U	37.8	50.0			1
PCB 9	ND	U	53.8	53.8			1
PCB 7	ND	U	56.7	56.7			1
PCB 6	ND	U	50.1	50.1			1
PCB 5	ND	U	63.6	63.6			1
PCB 8	ND	U	46.8	500			1
PCB 14	ND	U	51.5	100			1
PCB 11	**373**		56.3	200	1.49	0.973	1
PCBs 12 + 13	ND	U	58.9	100			1
PCB 15	ND	U	62.9	500			1
PCB 19	ND	U	11.7	100			1
PCBs 18 + 30	**32.0**	JK	8.74	500	0.72	1.102	1
PCB 17	ND	U	11.3	200			1
PCB 27	ND	U	7.23	200			1
PCB 24	ND	U	8.13	200			1
PCB 16	ND	U	13.9	100			1
PCB 32	ND	U	6.93	200			1
PCB 34	ND	U	11.4	200			1
PCB 23	ND	U	12.3	200			1
PCBs 26 + 29	ND	U	11.8	200			1
PCB 25	ND	U	11.3	200			1
PCB 31	**37.1**	J	11.4	500	0.91	0.851	1
PCBs 20 + 28	**44.5**	JK	12.3	500	1.25	0.861	1
PCBs 21 + 33	**21.0**	JK	11.7	200	0.68	0.869	1
PCB 22	ND	U	13.3	200			1
PCB 36	ND	U	11.3	200			1
PCB 39	ND	U	12.2	200			1
PCB 38	ND	U	12.3	200			1
PCB 35	ND	U	12.5	200			1
PCB 37	ND	U	15.0	500			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	E1101076-006	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1414
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142160	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	ND	U	7.57	500			1
PCBs 50 + 53	ND	U	12.6	200			1
PCBs 45 + 51	ND	U	12.9	200			1
PCB 46	ND	U	15.5	200			1
PCB 52	**70.7**	BJ	11.4	500	0.72	1.209	1
PCBs 43 + 73	ND	U	12.1	500			1
PCBs 49 + 69	ND	U	10.7	500			1
PCB 48	ND	U	12.8	200			1
PCBs 44 + 47 + 65	**92.1**	BJ	11.7	500	0.86	1.258	1
PCBs 59 + 62 + 75	ND	U	9.62	200			1
PCB 42	ND	U	13.3	200			1
PCBs 41 + 71 + 40	ND	U	12.8	500			1
PCB 64	**16.7**	J	9.25	200	0.76	1.310	1
PCB 72	ND	U	9.08	500			1
PCB 68	ND	U	9.24	500			1
PCB 57	ND	U	9.95	500			1
PCB 58	ND	U	10.5	500			1
PCB 67	ND	U	9.88	500			1
PCB 63	ND	U	9.92	500			1
PCBs 70 + 61 + 74 + 76	**64.1**	BJ	10.2	500	0.76	0.884	1
PCB 66	**25.2**	J	9.86	500	0.78	0.893	1
PCB 55	ND	U	10.7	500			1
PCB 56	ND	U	10.3	200			1
PCB 60	ND	U	8.18	500			1
PCB 80	ND	U	7.49	500			1
PCB 79	ND	U	7.65	500			1
PCB 78	ND	U	8.52	500			1
PCB 81	ND	U	10.2	500			1
PCB 77	ND	U	10.5	500			1
PCB 104	ND	U	7.28	500			1
PCB 96	ND	U	5.90	500			1
PCB 103	ND	U	7.01	500			1
PCB 94	ND	U	8.75	500			1
PCB 95	**42.5**	BJ	7.62	500	1.47	1.108	1
PCBs 93 + 100	ND	U	8.33	500			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	E1101076-006	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1414
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142160	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	8.18	500			1
PCBs 88 + 91	ND	U	8.06	500			1
PCB 84	ND	U	9.66	500			1
PCB 89	ND	U	8.16	500			1
PCB 121	ND	U	9.65	500			1
PCB 92	ND	U	13.0	500			1
PCBs 90 + 101 + 113	**43.5**	BJ	12.0	1000	1.41	0.879	1
PCBs 83 + 99	ND	U	14.1	500			1
PCB 112	ND	U	9.27	1000			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	ND	U	12.0	500			1
PCB 117	ND	U	13.6	200			1
PCBs 85 + 116	ND	U	10.7	200			1
PCBs 110 + 115	**31.5**	BJ	10.5	1000	1.36	0.931	1
PCB 82	ND	U	15.7	500			1
PCB 111	ND	U	10.9	1000			1
PCB 120	ND	U	10.2	500			1
PCBs 108 + 124	ND	U	11.4	1000			1
PCB 107	ND	U	11.3	1000			1
PCB 123	ND	U	12.5	500			1
PCB 106	ND	U	11.1	500			1
PCB 118	**22.2**	BJK	13.0	500	1.03	1.001	1
PCB 122	ND	U	12.4	500			1
PCB 114	ND	U	13.6	500			1
PCB 105	ND	U	14.3	200			1
PCB 127	ND	U	12.7	1000			1
PCB 126	ND	U	18.8	500			1
PCB 155	ND	U	8.09	1000			1
PCB 152	ND	U	6.59	1000			1
PCB 150	ND	U	6.83	1000			1
PCB 136	ND	U	6.77	200			1
PCB 145	ND	U	7.15	1000			1
PCB 148	ND	U	8.89	1000			1
PCBs 135 + 151	ND	U	9.27	500			1
PCB 154	ND	U	8.20	500			1
PCB 144	ND	U	8.98	500			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	E1101076-006	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1414
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142160	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**25.6**	BJ	8.67	500	1.37	1.122	1
PCB 134	ND	U	10.8	500			1
PCB 143	ND	U	8.68	500			1
PCBs 139 + 140	ND	U	8.67	500			1
PCB 131	ND	U	9.77	500			1
PCB 142	ND	U	9.81	1000			1
PCB 132	ND	U	10.2	500			1
PCB 133	ND	U	9.22	500			1
PCB 165	ND	U	7.74	1000			1
PCB 146	ND	U	8.41	500			1
PCB 161	ND	U	6.69	1000			1
PCBs 153 + 168	**21.3**	BJ	7.65	500	1.33	0.906	1
PCB 141	ND	U	9.43	200			1
PCB 130	ND	U	9.80	500			1
PCB 137	ND	U	9.96	1000			1
PCB 164	ND	U	7.55	500			1
PCBs 129 + 138 + 163	ND	U	9.39	500			1
PCB 160	ND	U	7.67	500			1
PCB 158	ND	U	7.20	200			1
PCBs 128 + 166	ND	U	9.07	500			1
PCB 159	ND	U	17.0	1000			1
PCB 162	ND	U	34.1	1000			1
PCB 167	ND	U	16.0	500			1
PCBs 156 + 157	ND	U	22.3	500			1
PCB 169	ND	U	24.0	500			1
PCB 188	ND	U	9.56	500			1
PCB 179	ND	U	8.19	500			1
PCB 184	ND	U	8.00	1000			1
PCB 176	ND	U	8.35	1000			1
PCB 186	ND	U	8.95	1000			1
PCB 178	ND	U	11.8	500			1
PCB 175	ND	U	11.2	1000			1
PCB 187	ND	U	11.0	500			1
PCB 182	ND	U	11.4	1000			1
PCB 183	ND	U	15.1	1000			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	E1101076-006	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1414
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142160	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	19.0	1000			1
PCB 174	ND	U	18.8	500			1
PCB 177	ND	U	20.1	500			1
PCB 181	ND	U	19.0	1000			1
PCBs 171 + 173	ND	U	20.3	1000			1
PCB 172	ND	U	20.6	1000			1
PCB 192	ND	U	16.9	1000			1
PCBs 180 + 193	ND	U	17.5	500			1
PCB 191	ND	U	15.4	1000			1
PCB 170	ND	U	22.2	500			1
PCB 190	ND	U	16.7	500			1
PCB 189	ND	U	22.5	500			1
PCB 202	ND	U	11.1	1000			1
PCB 201	ND	U	9.28	1000			1
PCB 204	ND	U	9.65	1000			1
PCB 197	ND	U	9.95	1000			1
PCB 200	ND	U	9.67	1000			1
PCBs 198 + 199	ND	U	14.9	500			1
PCB 196	ND	U	14.8	1000			1
PCB 203	ND	U	14.0	1000			1
PCB 195	ND	U	16.5	1000			1
PCB 194	ND	U	16.8	500			1
PCB 205	ND	U	21.3	1000			1
PCB 208	ND	U	22.7	1000			1
PCB 207	ND	U	19.9	1000			1
PCB 206	ND	U	49.7	1000			1
PCB 209	**149**	BJ	44.3	500	1.03	1.001	1
Total MonoCB	ND	U	8.25	200			1
Total DiCB	**373**	J	37.8	500			1
Total TriCB	**135**	J	6.93	500			1
Total TetraCB	**269**	J	7.49	500			1
Total PentaCB	**140**	J	5.90	1000			1
Total HexaCB	**47.0**	J	6.59	1000			1
Total HeptaCB	ND	U	8.00	1000			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	E1101076-006	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1414
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142160	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	ND	U	9.28	1000			1
Total NonaCB	ND	U	19.9	1000			1
Total PCBs	**1110**		5.90	1000			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	Percent
Lab Code:	E1101076-006	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1414
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142160	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5393.220	54		15-150	3.05	0.745
PCB 3L	10000	5978.340	60		15-150	3.16	0.872
PCB 4L	10000	6759.738	68		25-150	1.54	0.885
PCB 15L	10000	6489.392	65		25-150	1.54	1.223
PCB 19L	10000	7375.872	74		25-150	1.02	1.064
PCB 37L	10000	5385.513	54		25-150	1.05	1.083
PCB 54L	10000	5400.779	54		25-150	0.80	0.827
PCB 81L	10000	5255.347	53		25-150	0.76	1.336
PCB 77L	10000	5480.571	55		25-150	0.76	1.357
PCB 104L	10000	5634.080	56		25-150	1.55	0.824
PCB 123L	10000	4999.025	50		25-150	1.57	1.138
PCB 118L	10000	4929.663	49		25-150	1.56	1.148
PCB 114L	10000	4698.193	47		25-150	1.58	1.164
PCB 105L	10000	4714.952	47		25-150	1.55	1.183
PCB 126L	10000	4603.018	46		25-150	1.58	1.275
PCB 155L	10000	6428.216	64		25-150	1.25	0.800
PCB 167L	10000	5006.816	50		25-150	1.29	1.073
PCBs 156L + 157L	20000	10038.965	50		25-150	1.24	1.100
PCB 169L	10000	4575.351	46		25-150	1.29	1.178
PCB 188L	10000	9417.641	94		25-150	1.04	0.728
PCB 189L	10000	6531.875	65		25-150	1.04	0.961
PCB 202L	10000	7638.988	76		25-150	0.91	0.828
PCB 205L	10000	5315.401	53		25-150	0.90	1.009
PCB 208L	10000	6910.311	69		25-150	0.78	0.952
PCB 206L	10000	5539.898	55		25-150	0.78	1.041
PCB 209L	10000	4146.934	41		25-150	1.15	1.071
PCB 28L	10000	5555.926	56		30-135	1.04	0.931
PCB 111L	10000	6115.163	61		30-135	1.54	1.081
PCB 178L	10000	6512.798	65		30-135	1.06	1.011

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1205
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	Rinsate	**Units:**	pg/L
Lab Code:	E1101076-007	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1220
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	960mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142169	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	ND	U	9.15	208			1
PCB 2	ND	U	11.3	11.3			1
PCB 3	ND	U	12.5	208			1
PCB 4	ND	U	238	521			1
PCB 10	ND	U	123	123			1
PCB 9	ND	U	149	149			1
PCB 7	ND	U	140	140			1
PCB 6	ND	U	134	134			1
PCB 5	ND	U	163	163			1
PCB 8	ND	U	130	521			1
PCB 14	ND	U	137	137			1
PCB 11	**351**	K	160	208	2.28	0.973	1
PCBs 12 + 13	ND	U	168	168			1
PCB 15	ND	U	163	521			1
PCB 19	ND	U	20.7	104			1
PCBs 18 + 30	**48.7**	J	12.7	521	0.96	1.102	1
PCB 17	ND	U	15.2	208			1
PCB 27	ND	U	10.5	208			1
PCB 24	ND	U	11.7	208			1
PCB 16	ND	U	18.7	104			1
PCB 32	ND	U	9.98	208			1
PCB 34	ND	U	18.3	208			1
PCB 23	ND	U	18.1	208			1
PCBs 26 + 29	ND	U	17.0	208			1
PCB 25	ND	U	16.8	208			1
PCB 31	**38.2**	J	17.6	521	1.14	0.851	1
PCBs 20 + 28	**40.4**	J	18.7	521	0.91	0.860	1
PCBs 21 + 33	ND	U	17.1	208			1
PCB 22	ND	U	21.0	208			1
PCB 36	ND	U	20.5	208			1
PCB 39	ND	U	20.7	208			1
PCB 38	ND	U	21.0	208			1
PCB 35	ND	U	24.5	208			1
PCB 37	ND	U	21.5	521			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1205
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	Rinsate	**Units:**	pg/L
Lab Code:	E1101076-007	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1220
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	960mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142169	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	ND	U	13.1	521			1
PCBs 50 + 53	ND	U	9.83	208			1
PCBs 45 + 51	ND	U	10.2	208			1
PCB 46	ND	U	12.0	208			1
PCB 52	**94.2**	BJ	9.35	521	0.69	1.211	1
PCBs 43 + 73	ND	U	8.96	521			1
PCBs 49 + 69	**23.1**	JK	8.56	521	0.60	1.233	1
PCB 48	ND	U	9.82	208			1
PCBs 44 + 47 + 65	**146**	BJ	9.48	521	0.80	1.257	1
PCBs 59 + 62 + 75	ND	U	7.77	208			1
PCB 42	ND	U	10.7	208			1
PCBs 41 + 71 + 40	ND	U	10.3	521			1
PCB 64	**11.4**	J	7.52	208	0.77	1.311	1
PCB 72	ND	U	7.65	521			1
PCB 68	ND	U	8.17	521			1
PCB 57	ND	U	8.41	521			1
PCB 58	ND	U	8.96	521			1
PCB 67	ND	U	8.62	521			1
PCB 63	ND	U	8.61	521			1
PCBs 70 + 61 + 74 + 76	**49.1**	BJ	8.81	521	0.79	0.883	1
PCB 66	**13.8**	JK	8.70	521	0.58	0.892	1
PCB 55	ND	U	9.32	521			1
PCB 56	ND	U	15.1	208			1
PCB 60	ND	U	14.5	521			1
PCB 80	ND	U	13.5	521			1
PCB 79	ND	U	13.8	521			1
PCB 78	ND	U	15.9	521			1
PCB 81	ND	U	15.6	521			1
PCB 77	ND	U	16.2	521			1
PCB 104	ND	U	10.4	521			1
PCB 96	ND	U	6.32	521			1
PCB 103	ND	U	7.65	521			1
PCB 94	ND	U	9.51	521			1
PCB 95	**38.4**	BJK	8.33	521	2.16	1.108	1
PCBs 93 + 100	ND	U	9.00	521			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1205
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	Rinsate	**Units:**	pg/L
Lab Code:	E1101076-007	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1220
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	960mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142169	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	8.84	521			1
PCBs 88 + 91	ND	U	8.88	521			1
PCB 84	**12.8**	JK	10.3	521	1.11	1.148	1
PCB 89	ND	U	9.41	521			1
PCB 121	ND	U	11.0	521			1
PCB 92	ND	U	14.4	521			1
PCBs 90 + 101 + 113	**38.1**	BJK	13.4	1040	2.31	0.879	1
PCBs 83 + 99	**20.8**	J	15.5	521	1.41	0.894	1
PCB 112	ND	U	11.3	1040			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	ND	U	13.3	521			1
PCB 117	ND	U	15.0	208			1
PCBs 85 + 116	ND	U	12.3	208			1
PCBs 110 + 115	**38.0**	BJ	11.8	1040	1.32	0.931	1
PCB 82	ND	U	17.5	521			1
PCB 111	ND	U	12.2	1040			1
PCB 120	ND	U	11.9	521			1
PCBs 108 + 124	ND	U	17.6	1040			1
PCB 107	ND	U	17.1	1040			1
PCB 123	ND	U	17.5	521			1
PCB 106	ND	U	16.7	521			1
PCB 118	ND	U	17.6	521			1
PCB 122	ND	U	18.6	521			1
PCB 114	ND	U	18.6	521			1
PCB 105	ND	U	18.0	208			1
PCB 127	ND	U	19.8	1040			1
PCB 126	ND	U	20.7	521			1
PCB 155	ND	U	13.7	1040			1
PCB 152	ND	U	7.90	1040			1
PCB 150	ND	U	8.28	1040			1
PCB 136	ND	U	8.10	208			1
PCB 145	ND	U	8.79	1040			1
PCB 148	ND	U	11.1	1040			1
PCBs 135 + 151	ND	U	11.7	521			1
PCB 154	ND	U	9.95	521			1
PCB 144	ND	U	11.1	521			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1205
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	Rinsate	**Units:**	pg/L
Lab Code:	E1101076-007	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1220
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	960mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142169	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**19.6**	BJ	13.2	521	1.12	1.123	1
PCB 134	ND	U	15.6	521			1
PCB 143	ND	U	13.6	521			1
PCBs 139 + 140	ND	U	13.3	521			1
PCB 131	ND	U	15.2	521			1
PCB 142	ND	U	14.5	1040			1
PCB 132	ND	U	15.9	521			1
PCB 133	ND	U	14.3	521			1
PCB 165	ND	U	12.2	1040			1
PCB 146	ND	U	13.3	521			1
PCB 161	ND	U	10.7	1040			1
PCBs 153 + 168	ND	U	11.8	521			1
PCB 141	ND	U	14.6	208			1
PCB 130	ND	U	16.7	521			1
PCB 137	ND	U	15.7	1040			1
PCB 164	ND	U	11.9	521			1
PCBs 129 + 138 + 163	**19.3**	BJK	14.1	521	0.80	0.932	1
PCB 160	ND	U	12.3	521			1
PCB 158	ND	U	11.2	208			1
PCBs 128 + 166	ND	U	14.2	521			1
PCB 159	ND	U	16.8	1040			1
PCB 162	ND	U	17.7	1040			1
PCB 167	ND	U	14.9	521			1
PCBs 156 + 157	ND	U	20.0	521			1
PCB 169	ND	U	16.6	521			1
PCB 188	ND	U	13.9	521			1
PCB 179	ND	U	9.78	521			1
PCB 184	ND	U	9.85	1040			1
PCB 176	ND	U	10.3	1040			1
PCB 186	ND	U	10.8	1040			1
PCB 178	ND	U	14.5	521			1
PCB 175	ND	U	13.6	1040			1
PCB 187	ND	U	13.4	521			1
PCB 182	ND	U	14.5	1040			1
PCB 183	ND	U	19.3	1040			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1205
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	Rinsate	**Units:**	pg/L
Lab Code:	E1101076-007	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1220
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	960mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142169	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	26.0	1040			1
PCB 174	ND	U	22.1	521			1
PCB 177	ND	U	23.7	521			1
PCB 181	ND	U	24.1	1040			1
PCBs 171 + 173	ND	U	25.1	1040			1
PCB 172	ND	U	26.0	1040			1
PCB 192	ND	U	21.5	1040			1
PCBs 180 + 193	ND	U	21.7	521			1
PCB 191	ND	U	19.3	1040			1
PCB 170	ND	U	27.5	521			1
PCB 190	ND	U	21.1	521			1
PCB 189	ND	U	20.9	521			1
PCB 202	ND	U	13.0	1040			1
PCB 201	ND	U	9.05	1040			1
PCB 204	ND	U	9.38	1040			1
PCB 197	ND	U	10.6	1040			1
PCB 200	ND	U	8.82	1040			1
PCBs 198 + 199	ND	U	14.4	521			1
PCB 196	ND	U	14.0	1040			1
PCB 203	ND	U	13.7	1040			1
PCB 195	ND	U	15.6	1040			1
PCB 194	ND	U	15.3	521			1
PCB 205	ND	U	16.3	1040			1
PCB 208	ND	U	16.1	1040			1
PCB 207	ND	U	12.3	1040			1
PCB 206	ND	U	27.8	1040			1
PCB 209	**170**	BJ	26.7	521	1.20	1.001	1
Total MonoCB	ND	U	9.15	208			1
Total DiCB	**351**	J	123	521			1
Total TriCB	**127**	J	9.98	521			1
Total TetraCB	**337**	J	7.52	521			1
Total PentaCB	**148**	J	6.32	1040			1
Total HexaCB	**38.8**	J	7.90	1040			1
Total HeptaCB	ND	U	9.78	1040			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1205
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	Rinsate	**Units:**	pg/L
Lab Code:	E1101076-007	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1220
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	960mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142169	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	ND	U	8.82	1040			1
Total NonaCB	ND	U	12.3	1040			1
Total PCBs	**1170**		6.32	1040			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1205
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	Rinsate	**Units:**	Percent
Lab Code:	E1101076-007	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1220
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	960mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142169	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5086.624	51		15-150	3.11	0.745
PCB 3L	10000	5537.253	55		15-150	3.16	0.872
PCB 4L	10000	5128.819	51		25-150	1.56	0.886
PCB 15L	10000	6124.455	61		25-150	1.53	1.225
PCB 19L	10000	6053.777	61		25-150	1.09	1.065
PCB 37L	10000	6127.658	61		25-150	1.06	1.083
PCB 54L	10000	4089.262	41		25-150	0.82	0.827
PCB 81L	10000	6446.986	64		25-150	0.80	1.337
PCB 77L	10000	6753.529	68		25-150	0.80	1.358
PCB 104L	10000	4417.227	44		25-150	1.57	0.823
PCB 123L	10000	5634.542	56		25-150	1.55	1.139
PCB 118L	10000	5737.417	57		25-150	1.55	1.148
PCB 114L	10000	5493.175	55		25-150	1.56	1.164
PCB 105L	10000	5732.954	57		25-150	1.57	1.183
PCB 126L	10000	6170.385	62		25-150	1.55	1.276
PCB 155L	10000	4586.588	46		25-150	1.27	0.800
PCB 167L	10000	5712.587	57		25-150	1.28	1.073
PCBs 156L + 157L	20000	11798.405	59		25-150	1.28	1.100
PCB 169L	10000	6434.440	64		25-150	1.28	1.178
PCB 188L	10000	5929.614	59		25-150	1.06	0.728
PCB 189L	10000	6745.583	67		25-150	1.02	0.961
PCB 202L	10000	5426.923	54		25-150	0.93	0.828
PCB 205L	10000	5392.718	54		25-150	0.92	1.009
PCB 208L	10000	5191.130	52		25-150	0.80	0.952
PCB 206L	10000	6575.622	66		25-150	0.78	1.041
PCB 209L	10000	4603.237	46		25-150	1.16	1.071
PCB 28L	10000	5984.623	60		30-135	1.03	0.932
PCB 111L	10000	6048.214	60		30-135	1.57	1.081
PCB 178L	10000	5292.667	53		30-135	1.06	1.011

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 0000
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	DUP	**Units:**	pg/L
Lab Code:	E1101076-008	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1329
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142170	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	ND	U	8.62	204			1
PCB 2	ND	U	10.7	10.7			1
PCB 3	ND	U	11.9	204			1
PCB 4	ND	U	427	510			1
PCB 10	ND	U	211	211			1
PCB 9	ND	U	205	205			1
PCB 7	ND	U	193	193			1
PCB 6	ND	U	185	185			1
PCB 5	ND	U	224	224			1
PCB 8	ND	U	179	510			1
PCB 14	ND	U	188	188			1
PCB 11	ND	U	220	220			1
PCBs 12 + 13	ND	U	231	231			1
PCB 15	ND	U	217	510			1
PCB 19	ND	U	20.2	102			1
PCBs 18 + 30	**61.6**	J	12.3	510	1.00	1.102	1
PCB 17	**30.5**	JK	14.8	204	1.28	1.123	1
PCB 27	ND	U	10.2	204			1
PCB 24	ND	U	11.4	204			1
PCB 16	**25.4**	JK	18.3	102	1.87	1.148	1
PCB 32	**16.5**	J	9.72	204	1.20	1.174	1
PCB 34	ND	U	20.4	204			1
PCB 23	ND	U	20.1	204			1
PCBs 26 + 29	ND	U	18.9	204			1
PCB 25	ND	U	18.7	204			1
PCB 31	**96.3**	J	19.6	510	0.94	0.850	1
PCBs 20 + 28	**139**	J	20.8	510	0.99	0.860	1
PCBs 21 + 33	**75.5**	J	19.0	204	0.91	0.869	1
PCB 22	**41.1**	JK	23.3	204	0.76	0.883	1
PCB 36	ND	U	22.9	204			1
PCB 39	ND	U	23.1	204			1
PCB 38	ND	U	23.4	204			1
PCB 35	ND	U	27.4	204			1
PCB 37	ND	U	24.0	510			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 0000
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	DUP	**Units:**	pg/L
Lab Code:	E1101076-008	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1329
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142170	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	ND	U	12.9	510			1
PCBs 50 + 53	ND	U	10.4	204			1
PCBs 45 + 51	ND	U	10.8	204			1
PCB 46	ND	U	12.6	204			1
PCB 52	**116**	BJ	9.83	510	0.74	1.210	1
PCBs 43 + 73	ND	U	9.42	510			1
PCBs 49 + 69	**51.0**	JK	9.00	510	0.64	1.232	1
PCB 48	ND	U	10.4	204			1
PCBs 44 + 47 + 65	**117**	BJ	9.96	510	0.82	1.255	1
PCBs 59 + 62 + 75	ND	U	8.17	204			1
PCB 42	ND	U	11.2	204			1
PCBs 41 + 71 + 40	**45.3**	JK	10.9	510	0.96	1.302	1
PCB 64	**41.9**	J	7.90	204	0.76	1.311	1
PCB 72	ND	U	8.04	510			1
PCB 68	ND	U	8.59	510			1
PCB 57	ND	U	8.84	510			1
PCB 58	ND	U	9.42	510			1
PCB 67	ND	U	9.07	510			1
PCB 63	ND	U	9.05	510			1
PCBs 70 + 61 + 74 + 76	**174**	BJ	9.26	510	0.68	0.884	1
PCB 66	**76.2**	J	9.15	510	0.74	0.893	1
PCB 55	ND	U	9.80	510			1
PCB 56	**34.7**	J	18.5	204	0.68	0.912	1
PCB 60	**20.6**	J	17.7	510	0.75	0.918	1
PCB 80	ND	U	16.5	510			1
PCB 79	ND	U	16.8	510			1
PCB 78	ND	U	19.4	510			1
PCB 81	ND	U	18.9	510			1
PCB 77	ND	U	19.7	510			1
PCB 104	ND	U	9.02	510			1
PCB 96	ND	U	5.56	510			1
PCB 103	ND	U	6.73	510			1
PCB 94	ND	U	8.36	510			1
PCB 95	**55.2**	BJK	7.32	510	1.18	1.108	1
PCBs 93 + 100	ND	U	7.91	510			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 0000
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	DUP	**Units:**	pg/L
Lab Code:	E1101076-008	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1329
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142170	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	7.78	510			1
PCBs 88 + 91	**13.1**	J	7.81	510	1.67	1.140	1
PCB 84	**21.3**	J	9.06	510	1.75	1.148	1
PCB 89	ND	U	8.27	510			1
PCB 121	ND	U	8.53	510			1
PCB 92	**12.0**	BJ	11.2	510	1.78	0.864	1
PCBs 90 + 101 + 113	**92.4**	BJ	10.4	1020	1.33	0.879	1
PCBs 83 + 99	**48.6**	J	12.1	510	1.55	0.894	1
PCB 112	ND	U	8.71	1020			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	**48.9**	BJK	10.3	510	1.85	0.910	1
PCB 117	ND	U	11.7	204			1
PCBs 85 + 116	**23.3**	J	9.54	204	1.46	0.927	1
PCBs 110 + 115	**62.6**	BJ	9.15	1020	1.74	0.931	1
PCB 82	ND	U	13.6	510			1
PCB 111	ND	U	9.44	1020			1
PCB 120	ND	U	9.20	510			1
PCBs 108 + 124	ND	U	12.9	1020			1
PCB 107	ND	U	12.5	1020			1
PCB 123	ND	U	13.1	510			1
PCB 106	ND	U	12.2	510			1
PCB 118	**48.9**	BJK	12.9	510	1.86	1.001	1
PCB 122	ND	U	13.6	510			1
PCB 114	ND	U	13.4	510			1
PCB 105	**22.2**	JK	13.4	204	1.79	1.001	1
PCB 127	ND	U	14.5	1020			1
PCB 126	ND	U	15.6	510			1
PCB 155	ND	U	14.7	1020			1
PCB 152	ND	U	8.57	1020			1
PCB 150	ND	U	8.99	1020			1
PCB 136	ND	U	8.79	204			1
PCB 145	ND	U	9.54	1020			1
PCB 148	ND	U	12.0	1020			1
PCBs 135 + 151	ND	U	12.7	510			1
PCB 154	ND	U	10.8	510			1
PCB 144	ND	U	12.0	510			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 0000
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	DUP	**Units:**	pg/L
Lab Code:	E1101076-008	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1329
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142170	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**45.3**	BJ	11.7	510	1.06	1.122	1
PCB 134	ND	U	13.8	510			1
PCB 143	ND	U	12.0	510			1
PCBs 139 + 140	ND	U	11.8	510			1
PCB 131	ND	U	13.5	510			1
PCB 142	ND	U	12.8	1020			1
PCB 132	**16.6**	JK	14.1	510	1.58	1.160	1
PCB 133	ND	U	12.7	510			1
PCB 165	ND	U	10.8	1020			1
PCB 146	ND	U	11.8	510			1
PCB 161	ND	U	9.47	1020			1
PCBs 153 + 168	**34.2**	BJK	10.5	510	1.58	0.905	1
PCB 141	ND	U	12.9	204			1
PCB 130	ND	U	14.8	510			1
PCB 137	ND	U	13.9	1020			1
PCB 164	ND	U	10.6	510			1
PCBs 129 + 138 + 163	**44.5**	BJ	12.5	510	1.29	0.933	1
PCB 160	ND	U	10.9	510			1
PCB 158	ND	U	9.84	204			1
PCBs 128 + 166	ND	U	12.6	510			1
PCB 159	ND	U	12.8	1020			1
PCB 162	ND	U	13.5	1020			1
PCB 167	ND	U	11.1	510			1
PCBs 156 + 157	ND	U	15.1	510			1
PCB 169	ND	U	13.6	510			1
PCB 188	ND	U	12.7	510			1
PCB 179	ND	U	8.90	510			1
PCB 184	ND	U	8.96	1020			1
PCB 176	ND	U	9.29	1020			1
PCB 186	ND	U	9.80	1020			1
PCB 178	ND	U	13.2	510			1
PCB 175	ND	U	12.4	1020			1
PCB 187	ND	U	12.2	510			1
PCB 182	ND	U	13.2	1020			1
PCB 183	ND	U	14.2	1020			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 0000
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	DUP	**Units:**	pg/L
Lab Code:	E1101076-008	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1329
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142170	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	19.1	1020			1
PCB 174	ND	U	16.2	510			1
PCB 177	ND	U	17.4	510			1
PCB 181	ND	U	17.7	1020			1
PCBs 171 + 173	ND	U	18.4	1020			1
PCB 172	ND	U	19.1	1020			1
PCB 192	ND	U	15.8	1020			1
PCBs 180 + 193	**21.2**	JK	15.9	510	0.76	0.916	1
PCB 191	ND	U	14.1	1020			1
PCB 170	ND	U	20.2	510			1
PCB 190	ND	U	15.5	510			1
PCB 189	ND	U	15.2	510			1
PCB 202	ND	U	14.7	1020			1
PCB 201	ND	U	10.5	1020			1
PCB 204	ND	U	10.9	1020			1
PCB 197	ND	U	12.2	1020			1
PCB 200	ND	U	10.2	1020			1
PCBs 198 + 199	ND	U	16.7	510			1
PCB 196	ND	U	16.2	1020			1
PCB 203	ND	U	15.8	1020			1
PCB 195	ND	U	18.0	1020			1
PCB 194	ND	U	17.7	510			1
PCB 205	ND	U	19.3	1020			1
PCB 208	ND	U	17.1	1020			1
PCB 207	ND	U	13.3	1020			1
PCB 206	ND	U	19.9	1020			1
PCB 209	**124**	BJK	21.3	510	0.96	1.001	1
Total MonoCB	ND	U	8.62	204			1
Total DiCB	ND	U	179	510			1
Total TriCB	**486**	J	9.72	510			1
Total TetraCB	**676**		7.90	510			1
Total PentaCB	**448**	J	5.56	1020			1
Total HexaCB	**141**	J	8.57	1020			1
Total HeptaCB	**21.2**	J	8.90	1020			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 0000
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	DUP	**Units:**	pg/L
Lab Code:	E1101076-008	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1329
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142170	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	ND	U	10.2	1020			1
Total NonaCB	ND	U	13.3	1020			1
Total PCBs	**1900**		5.56	1020			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 0000
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	DUP	**Units:**	Percent
Lab Code:	E1101076-008	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/23/11 1329
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	980mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142170	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142165

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5571.587	56		15-150	3.05	0.745
PCB 3L	10000	6022.353	60		15-150	3.16	0.872
PCB 4L	10000	5473.711	55		25-150	1.56	0.886
PCB 15L	10000	6750.521	68		25-150	1.57	1.225
PCB 19L	10000	6586.062	66		25-150	1.03	1.065
PCB 37L	10000	6943.363	69		25-150	1.10	1.083
PCB 54L	10000	4475.256	45		25-150	0.81	0.827
PCB 81L	10000	7244.545	72		25-150	0.80	1.336
PCB 77L	10000	7740.819	77		25-150	0.80	1.357
PCB 104L	10000	5030.905	50		25-150	1.59	0.824
PCB 123L	10000	6505.743	65		25-150	1.55	1.139
PCB 118L	10000	6506.987	65		25-150	1.58	1.148
PCB 114L	10000	6334.112	63		25-150	1.55	1.164
PCB 105L	10000	6557.858	66		25-150	1.55	1.184
PCB 126L	10000	7047.697	70		25-150	1.58	1.276
PCB 155L	10000	5057.418	51		25-150	1.25	0.800
PCB 167L	10000	6395.230	64		25-150	1.25	1.073
PCBs 156L + 157L	20000	13392.779	67		25-150	1.28	1.100
PCB 169L	10000	7131.556	71		25-150	1.27	1.178
PCB 188L	10000	6664.681	67		25-150	1.07	0.728
PCB 189L	10000	7688.325	77		25-150	1.04	0.961
PCB 202L	10000	6256.903	63		25-150	0.92	0.828
PCB 205L	10000	6138.537	61		25-150	0.90	1.009
PCB 208L	10000	5841.904	58		25-150	0.80	0.952
PCB 206L	10000	7464.788	75		25-150	0.78	1.041
PCB 209L	10000	5284.666	53		25-150	1.16	1.071
PCB 28L	10000	6814.886	68		30-135	1.04	0.931
PCB 111L	10000	6789.741	68		30-135	1.56	1.081
PCB 178L	10000	5815.704	58		30-135	1.08	1.011

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	pg/L
Lab Code:	EQ1100541-01	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 0800
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142175	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	ND	U	21.6	200			1
PCB 2	ND	U	24.5	24.5			1
PCB 3	ND	U	30.3	200			1
PCB 4	ND	U	426	500			1
PCB 10	ND	U	255	255			1
PCB 9	ND	U	580	580			1
PCB 7	ND	U	591	591			1
PCB 6	ND	U	586	586			1
PCB 5	ND	U	668	668			1
PCB 8	ND	U	558	558			1
PCB 14	ND	U	596	596			1
PCB 11	ND	U	621	621			1
PCBs 12 + 13	ND	U	663	663			1
PCB 15	ND	U	763	763			1
PCB 19	ND	U	51.7	100			1
PCBs 18 + 30	ND	U	35.5	500			1
PCB 17	ND	U	42.7	200			1
PCB 27	ND	U	31.4	200			1
PCB 24	ND	U	33.4	200			1
PCB 16	ND	U	49.3	100			1
PCB 32	ND	U	28.9	200			1
PCB 34	ND	U	52.8	200			1
PCB 23	ND	U	55.1	200			1
PCBs 26 + 29	ND	U	52.1	200			1
PCB 25	ND	U	48.2	200			1
PCB 31	ND	U	49.7	500			1
PCBs 20 + 28	ND	U	54.3	500			1
PCBs 21 + 33	ND	U	52.4	200			1
PCB 22	ND	U	57.2	200			1
PCB 36	ND	U	51.5	200			1
PCB 39	ND	U	52.1	200			1
PCB 38	ND	U	54.2	200			1
PCB 35	ND	U	52.6	200			1
PCB 37	ND	U	67.7	500			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	pg/L
Lab Code:	EQ1100541-01	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 0800
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142175	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	ND	U	55.3	500			1
PCBs 50 + 53	ND	U	29.3	200			1
PCBs 45 + 51	ND	U	30.4	200			1
PCB 46	ND	U	35.6	200			1
PCB 52	**93.7**	J	27.4	500	0.77	1.210	1
PCBs 43 + 73	ND	U	27.7	500			1
PCBs 49 + 69	ND	U	25.3	500			1
PCB 48	ND	U	29.8	200			1
PCBs 44 + 47 + 65	**60.5**	JK	27.1	500	0.92	1.256	1
PCBs 59 + 62 + 75	ND	U	23.0	200			1
PCB 42	ND	U	30.9	200			1
PCBs 41 + 71 + 40	ND	U	30.1	500			1
PCB 64	ND	U	21.7	200			1
PCB 72	ND	U	21.1	500			1
PCB 68	ND	U	21.6	500			1
PCB 57	ND	U	22.5	500			1
PCB 58	ND	U	23.8	500			1
PCB 67	ND	U	22.0	500			1
PCB 63	ND	U	22.3	500			1
PCBs 70 + 61 + 74 + 76	**52.3**	JK	23.5	500	0.57	0.884	1
PCB 66	ND	U	22.1	500			1
PCB 55	ND	U	25.0	500			1
PCB 56	ND	U	23.8	200			1
PCB 60	ND	U	23.4	500			1
PCB 80	ND	U	20.9	500			1
PCB 79	ND	U	20.3	500			1
PCB 78	ND	U	22.3	500			1
PCB 81	ND	U	26.7	500			1
PCB 77	ND	U	28.2	500			1
PCB 104	ND	U	67.3	500			1
PCB 96	ND	U	45.9	500			1
PCB 103	ND	U	53.0	500			1
PCB 94	ND	U	65.9	500			1
PCB 95	**73.6**	J	57.8	500	1.50	1.109	1
PCBs 93 + 100	ND	U	60.2	500			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	pg/L
Lab Code:	EQ1100541-01	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 0800
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142175	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	61.8	500			1
PCBs 88 + 91	ND	U	60.7	500			1
PCB 84	ND	U	68.9	500			1
PCB 89	ND	U	65.6	500			1
PCB 121	ND	U	32.6	500			1
PCB 92	**77.5**	JK	41.4	500	1.79	0.865	1
PCBs 90 + 101 + 113	**150**	JK	37.8	1000	2.14	0.879	1
PCBs 83 + 99	ND	U	41.1	500			1
PCB 112	ND	U	32.5	1000			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	**110**	JK	36.4	500	1.07	0.910	1
PCB 117	ND	U	37.7	200			1
PCBs 85 + 116	ND	U	35.8	200			1
PCBs 110 + 115	**131**	J	32.9	1000	1.67	0.931	1
PCB 82	ND	U	48.2	500			1
PCB 111	ND	U	32.6	1000			1
PCB 120	ND	U	29.8	500			1
PCBs 108 + 124	ND	U	30.0	1000			1
PCB 107	ND	U	30.2	1000			1
PCB 123	ND	U	31.0	500			1
PCB 106	ND	U	29.0	500			1
PCB 118	**99.5**	J	31.6	500	1.36	1.001	1
PCB 122	ND	U	30.4	500			1
PCB 114	ND	U	33.9	500			1
PCB 105	ND	U	34.6	200			1
PCB 127	ND	U	31.3	1000			1
PCB 126	ND	U	38.8	500			1
PCB 155	ND	U	25.3	1000			1
PCB 152	ND	U	18.1	1000			1
PCB 150	ND	U	18.6	1000			1
PCB 136	ND	U	18.5	200			1
PCB 145	ND	U	20.1	1000			1
PCB 148	ND	U	24.7	1000			1
PCBs 135 + 151	ND	U	25.3	500			1
PCB 154	ND	U	22.6	500			1
PCB 144	ND	U	24.6	500			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	pg/L
Lab Code:	EQ1100541-01	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 0800
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142175	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**55.5**	J	38.8	500	1.32	1.122	1
PCB 134	ND	U	43.5	500			1
PCB 143	**103**	J	41.1	500	1.31	1.133	1
PCBs 139 + 140	ND	U	39.1	500			1
PCB 131	ND	U	44.0	500			1
PCB 142	ND	U	42.7	1000			1
PCB 132	ND	U	42.5	500			1
PCB 133	ND	U	39.4	500			1
PCB 165	ND	U	33.7	1000			1
PCB 146	ND	U	39.0	500			1
PCB 161	ND	U	29.0	1000			1
PCBs 153 + 168	**67.6**	J	32.2	500	1.18	0.905	1
PCB 141	ND	U	42.3	200			1
PCB 130	ND	U	45.4	500			1
PCB 137	ND	U	43.8	1000			1
PCB 164	ND	U	32.9	500			1
PCBs 129 + 138 + 163	**60.9**	JK	39.0	500	1.83	0.934	1
PCB 160	ND	U	34.6	500			1
PCB 158	ND	U	30.8	200			1
PCBs 128 + 166	ND	U	38.8	500			1
PCB 159	ND	U	32.1	1000			1
PCB 162	ND	U	33.1	1000			1
PCB 167	ND	U	34.7	500			1
PCBs 156 + 157	ND	U	45.0	500			1
PCB 169	ND	U	38.4	500			1
PCB 188	ND	U	23.5	500			1
PCB 179	ND	U	17.4	500			1
PCB 184	ND	U	17.3	1000			1
PCB 176	ND	U	17.4	1000			1
PCB 186	ND	U	18.8	1000			1
PCB 178	ND	U	24.6	500			1
PCB 175	ND	U	61.2	1000			1
PCB 187	ND	U	24.2	500			1
PCB 182	ND	U	27.1	1000			1
PCB 183	ND	U	32.7	1000			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	pg/L
Lab Code:	EQ1100541-01	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 0800
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142175	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	49.2	1000			1
PCB 174	ND	U	42.4	500			1
PCB 177	ND	U	43.1	500			1
PCB 181	ND	U	41.7	1000			1
PCBs 171 + 173	ND	U	45.1	1000			1
PCB 172	ND	U	44.5	1000			1
PCB 192	ND	U	36.8	1000			1
PCBs 180 + 193	ND	U	37.5	500			1
PCB 191	ND	U	33.8	1000			1
PCB 170	ND	U	46.5	500			1
PCB 190	ND	U	34.9	500			1
PCB 189	ND	U	40.5	500			1
PCB 202	ND	U	28.5	1000			1
PCB 201	ND	U	20.0	1000			1
PCB 204	ND	U	20.4	1000			1
PCB 197	ND	U	21.3	1000			1
PCB 200	ND	U	19.9	1000			1
PCBs 198 + 199	ND	U	30.6	500			1
PCB 196	ND	U	28.9	1000			1
PCB 203	ND	U	28.2	1000			1
PCB 195	ND	U	33.7	1000			1
PCB 194	ND	U	32.0	500			1
PCB 205	ND	U	34.4	1000			1
PCB 208	ND	U	38.8	1000			1
PCB 207	ND	U	31.0	1000			1
PCB 206	ND	U	42.4	1000			1
PCB 209	**385**	J	33.0	500	1.08	1.001	1
Total MonoCB	ND	U	21.6	200			1
Total DiCB	ND	U	255	500			1
Total TriCB	ND	U	28.9	500			1
Total TetraCB	**207**	J	20.3	500			1
Total PentaCB	**643**	J	29.0	1000			1
Total HexaCB	**287**	J	18.1	1000			1
Total HeptaCB	ND	U	17.3	1000			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	pg/L
Lab Code:	EQ1100541-01	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 0800
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142175	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	ND	U	19.9	1000			1
Total NonaCB	ND	U	31.0	1000			1
Total PCBs	**1520**		17.3	1000			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	Percent
Lab Code:	EQ1100541-01	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/26/11 0800
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142175	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142174

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	1403.911	14	Y	15-150	3.06	0.744
PCB 3L	10000	1762.581	18		15-150	3.17	0.872
PCB 4L	10000	1950.434	20	Y	25-150	1.56	0.885
PCB 15L	10000	2483.436	25		25-150	1.51	1.224
PCB 19L	10000	2356.256	24	Y	25-150	1.05	1.063
PCB 37L	10000	2442.435	24	Y	25-150	1.12	1.083
PCB 54L	10000	1473.891	15	Y	25-150	0.86	0.827
PCB 81L	10000	2792.937	28		25-150	0.80	1.337
PCB 77L	10000	2890.236	29		25-150	0.80	1.358
PCB 104L	10000	1761.272	18	Y	25-150	1.66	0.823
PCB 123L	10000	2407.980	24	Y	25-150	1.53	1.138
PCB 118L	10000	2347.936	23	Y	25-150	1.58	1.148
PCB 114L	10000	2237.128	22	Y	25-150	1.60	1.164
PCB 105L	10000	2310.587	23	Y	25-150	1.57	1.183
PCB 126L	10000	2415.474	24	Y	25-150	1.59	1.275
PCB 155L	10000	3619.025	36		25-150	1.28	0.800
PCB 167L	10000	3313.908	33		25-150	1.18	1.072
PCBs 156L + 157L	20000	6912.342	35		25-150	1.24	1.100
PCB 169L	10000	3749.682	37		25-150	1.27	1.178
PCB 188L	10000	2504.343	25		25-150	1.08	0.728
PCB 189L	10000	2737.307	27		25-150	1.07	0.961
PCB 202L	10000	2467.451	25		25-150	0.91	0.828
PCB 205L	10000	2500.006	25		25-150	0.90	1.009
PCB 208L	10000	2630.449	26		25-150	0.81	0.952
PCB 206L	10000	2610.611	26		25-150	0.79	1.041
PCB 209L	10000	1969.713	20	Y	25-150	1.17	1.070
PCB 28L	10000	2450.048	25	Y	30-135	1.04	0.931
PCB 111L	10000	2781.235	28	Y	30-135	1.54	1.081
PCB 178L	10000	3781.121	38		30-135	1.04	1.010

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Analyzed:**	11/22/11
Sample Matrix:	Ground Water		

Lab Control Sample Summary
Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Units:**	pg/L
Prep Method:	Method Sep Funnel/Jar	**Basis:**	NA
		Extraction Lot:	146024

Lab Control Sample
EQ1100541-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
PCB 1	4210	5000	84	50 - 150
PCB 3	4280	5000	86	50 - 150
PCB 4	4720	5000	94	50 - 150
PCB 15	4570	5000	91	50 - 150
PCB 19	4510	5000	90	50 - 150
PCB 37	4390	5000	88	50 - 150
PCB 54	5090	5000	102	50 - 150
PCB 81	4640	5000	93	50 - 150
PCB 77	4540	5000	91	50 - 150
PCB 104	4770	5000	95	50 - 150
PCB 123	4750	5000	95	50 - 150
PCB 118	4820	5000	96	50 - 150
PCB 114	4810	5000	96	50 - 150
PCB 105	4610	5000	92	50 - 150
PCB 126	4920	5000	98	50 - 150
PCB 155	4840	5000	97	50 - 150
PCB 167	4730	5000	95	50 - 150
PCBs 156 + 157	9290	10000	93	50 - 150
PCB 169	4570	5000	91	50 - 150
PCB 188	5400	5000	108	50 - 150
PCB 189	4650	5000	93	50 - 150
PCB 202	4940	5000	99	50 - 150
PCB 205	5490	5000	110	50 - 150
PCB 208	5080	5000	102	50 - 150
PCB 206	4720	5000	94	50 - 150
PCB 209	6000	5000	120	50 - 150

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	pg/L
Lab Code:	EQ1100541-02	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 0922
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142156	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	**4210**		12.3	200	3.10	1.001	1
PCB 3	**4280**		14.6	200	2.97	1.001	1
PCB 4	**4720**		41.8	500	1.48	1.001	1
PCB 15	**4570**		63.4	500	1.55	1.001	1
PCB 19	**4510**		17.1	100	1.02	1.001	1
PCB 37	**4390**		17.2	500	1.06	1.001	1
PCB 54	**5090**		26.3	500	0.73	1.001	1
PCB 81	**4640**		25.0	500	0.76	1.001	1
PCB 77	**4540**		25.4	500	0.77	1.000	1
PCB 104	**4770**		6.12	500	1.58	1.001	1
PCB 123	**4750**		16.7	500	1.58	1.000	1
PCB 118	**4820**		16.9	500	1.61	1.000	1
PCB 114	**4810**		17.5	500	1.60	1.000	1
PCB 105	**4610**		17.7	200	1.55	1.000	1
PCB 126	**4920**		21.6	500	1.50	1.001	1
PCB 155	**4840**		17.3	1000	1.19	1.000	1
PCB 167	**4730**		22.8	500	1.24	1.001	1
PCBs 156 + 157	**9290**		31.6	500	1.21	1.000	1
PCB 169	**4570**		28.5	500	1.23	1.000	1
PCB 188	**5400**		22.9	500	0.98	1.000	1
PCB 189	**4650**		12.3	500	1.00	1.001	1
PCB 202	**4940**		13.8	1000	0.85	1.001	1
PCB 205	**5490**		19.2	1000	0.84	1.000	1
PCB 208	**5080**		16.1	1000	0.76	1.000	1
PCB 206	**4720**		24.5	1000	0.76	1.000	1
PCB 209	**6000**		19.9	500	1.19	1.001	1
Total MonoCB	**8490**		12.3	200			1
Total DiCB	**9280**		41.8	500			1
Total TriCB	**8900**		17.1	500			1
Total TetraCB	**14300**		25.0	500			1
Total PentaCB	**28700**		6.12	1000			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	pg/L
Lab Code:	EQ1100541-02	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 0922
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142156	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total HexaCB	**23400**		17.3	1000			1
Total HeptaCB	**10000**		12.3	1000			1
Total OctaCB	**10400**		13.8	1000			1
Total NonaCB	**9800**		16.1	1000			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	Percent
Lab Code:	EQ1100541-02	**Basis:**	NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 0922
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142156	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5147.738	51		15-150	3.07	0.744
PCB 3L	10000	5866.538	59		15-150	3.19	0.872
PCB 4L	10000	7040.463	70		25-150	1.50	0.886
PCB 15L	10000	6126.955	61		25-150	1.52	1.224
PCB 19L	10000	7269.893	73		25-150	1.04	1.064
PCB 37L	10000	5159.930	52		25-150	1.03	1.083
PCB 54L	10000	5471.006	55		25-150	0.79	0.828
PCB 81L	10000	5395.679	54		25-150	0.78	1.336
PCB 77L	10000	5748.900	57		25-150	0.79	1.358
PCB 104L	10000	5282.560	53		25-150	1.55	0.823
PCB 123L	10000	4789.298	48		25-150	1.53	1.139
PCB 118L	10000	4703.385	47		25-150	1.56	1.148
PCB 114L	10000	4619.388	46		25-150	1.54	1.164
PCB 105L	10000	4785.611	48		25-150	1.56	1.184
PCB 126L	10000	4891.350	49		25-150	1.55	1.277
PCB 155L	10000	5805.599	58		25-150	1.25	0.800
PCB 167L	10000	5061.618	51		25-150	1.27	1.072
PCBs 156L + 157L	20000	10387.027	52		25-150	1.26	1.099
PCB 169L	10000	5316.573	53		25-150	1.28	1.177
PCB 188L	10000	7595.641	76		25-150	1.07	0.726
PCB 189L	10000	5064.091	51		25-150	1.05	0.960
PCB 202L	10000	6641.983	66		25-150	0.88	0.825
PCB 205L	10000	5347.832	53		25-150	0.91	1.007
PCB 208L	10000	7198.119	72		25-150	0.79	0.949
PCB 206L	10000	4676.066	47		25-150	0.80	1.039
PCB 209L	10000	4369.331	44		25-150	1.20	1.067
PCB 28L	10000	5363.602	54		30-135	1.02	0.931
PCB 111L	10000	6454.752	65		30-135	1.55	1.080
PCB 178L	10000	6700.166	67		30-135	1.05	1.011

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/1/11
Sample Matrix:	Ground Water	**Date Received:**	11/3/11
		Date Analyzed:	11/22/11

Matrix Spike Summary
Chlorinated Biphenyl Congeners by HRGC/HRMS

Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	E1101076-006	**Basis:**	NA

Analytical Method: 1668A
Prep Method: Method Sep Funnel/Jar

		KC91-152UMS			KC91-152UDMS					
		Matrix Spike			**Duplicate Matrix Spike**					
		EQ1100541-03			EQ1100541-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
PCB 1	ND	4020	4950	81	4030	4900	82	50 - 150	1	50
PCB 3	ND	4240	4950	86	4200	4900	86	50 - 150	<1	50
PCB 4	ND	4520	4950	91	4600	4900	94	50 - 150	3	50
PCB 15	ND	4490	4950	91	4500	4900	92	50 - 150	1	50
PCB 19	ND	4360	4950	88	4390	4900	89	50 - 150	1	50
PCB 37	ND	4380	4950	89	4300	4900	88	50 - 150	1	50
PCB 54	ND	4900	4950	99	4870	4900	99	50 - 150	<1	50
PCB 81	ND	4670	4950	94	4660	4900	95	50 - 150	1	50
PCB 77	ND	4480	4950	90	4520	4900	92	50 - 150	2	50
PCB 104	ND	4460	4950	90	4450	4900	91	50 - 150	1	50
PCB 123	ND	4760	4950	96	4780	4900	98	50 - 150	2	50
PCB 118	22.2	4740	4950	95	4760	4900	97	50 - 150	2	50
PCB 114	ND	4690	4950	95	4800	4900	98	50 - 150	3	50
PCB 105	ND	4810	4950	97	4880	4900	100	50 - 150	3	50
PCB 126	ND	4980	4950	101	5270	4900	107	50 - 150	6	50
PCB 155	ND	4560	4950	92	4530	4900	92	50 - 150	<1	50
PCB 167	ND	4800	4950	97	4640	4900	95	50 - 150	2	50
PCBs 156 + 157	ND	9200	9900	93	9450	9800	96	50 - 150	3	50
PCB 169	ND	4500	4950	91	4470	4900	91	50 - 150	<1	50
PCB 188	ND	4490	4950	91	4510	4900	92	50 - 150	1	50
PCB 189	ND	4970	4950	100	4940	4900	101	50 - 150	<1	50
PCB 202	ND	4800	4950	97	4880	4900	100	50 - 150	3	50
PCB 205	ND	5420	4950	110	5710	4900	116	50 - 150	5	50
PCB 208	ND	5070	4950	102	5050	4900	103	50 - 150	<1	50
PCB 206	ND	4550	4950	92	4480	4900	91	50 - 150	1	50
PCB 209	149	5830	4950	115	6000	4900	119	50 - 150	3	50

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-03	**Basis:**	NA
Run Type:	Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1523
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1010mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142161	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	**4020**		6.40	198	3.10	1.001	1
PCB 2	ND	U	7.71	9.90			1
PCB 3	**4240**		8.28	198	3.06	1.001	1
PCB 4	**4520**		46.7	495	1.59	1.001	1
PCB 10	ND	U	27.0	49.5			1
PCB 9	ND	U	36.1	49.5			1
PCB 7	ND	U	38.0	49.5			1
PCB 6	ND	U	33.6	49.5			1
PCB 5	ND	U	42.7	49.5			1
PCB 8	ND	U	31.4	495			1
PCB 14	ND	U	34.5	99.0			1
PCB 11	**599**		37.8	198	1.56	0.972	1
PCBs 12 + 13	ND	U	39.5	99.0			1
PCB 15	**4490**		40.7	495	1.58	1.001	1
PCB 19	**4360**		12.5	99.0	1.01	1.001	1
PCBs 18 + 30	**54.2**	J	9.24	495	0.91	1.101	1
PCB 17	**30.7**	J	12.0	198	0.92	1.123	1
PCB 27	ND	U	7.65	198			1
PCB 24	ND	U	8.60	198			1
PCB 16	**29.7**	J	14.7	99.0	0.92	1.148	1
PCB 32	**14.2**	JK	7.33	198	1.31	1.175	1
PCB 34	ND	U	8.84	198			1
PCB 23	ND	U	9.57	198			1
PCBs 26 + 29	ND	U	9.15	198			1
PCB 25	ND	U	8.74	198			1
PCB 31	**63.1**	J	8.86	495	1.03	0.850	1
PCBs 20 + 28	**67.9**	JK	9.55	495	0.86	0.861	1
PCBs 21 + 33	**36.5**	JK	9.11	198	0.84	0.869	1
PCB 22	**21.0**	J	10.4	198	1.05	0.883	1
PCB 36	ND	U	8.78	198			1
PCB 39	ND	U	9.49	198			1
PCB 38	ND	U	9.52	198			1
PCB 35	ND	U	9.72	198			1
PCB 37	**4380**		11.7	495	1.03	1.000	1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-03	**Basis:**	NA
Run Type:	Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1523
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1010mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142161	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	**4900**		6.98	495	0.74	1.002	1
PCBs 50 + 53	**25.9**	J	11.6	198	0.77	1.101	1
PCBs 45 + 51	ND	U	11.9	198			1
PCB 46	ND	U	14.3	198			1
PCB 52	**102**	J	10.5	495	0.81	1.210	1
PCBs 43 + 73	ND	U	11.1	495			1
PCBs 49 + 69	**36.7**	J	9.77	495	0.81	1.233	1
PCB 48	ND	U	11.8	198			1
PCBs 44 + 47 + 65	**156**	J	10.7	495	0.73	1.254	1
PCBs 59 + 62 + 75	ND	U	8.84	198			1
PCB 42	ND	U	12.2	198			1
PCBs 41 + 71 + 40	**23.5**	JK	11.8	495	0.56	1.302	1
PCB 64	**22.2**	J	8.50	198	0.69	1.312	1
PCB 72	ND	U	8.35	495			1
PCB 68	**22.9**	J	8.49	495	0.89	0.844	1
PCB 57	ND	U	9.14	495			1
PCB 58	ND	U	9.58	495			1
PCB 67	ND	U	9.08	495			1
PCB 63	ND	U	9.11	495			1
PCBs 70 + 61 + 74 + 76	**82.6**	J	9.34	495	0.71	0.883	1
PCB 66	**35.2**	J	9.06	495	0.71	0.893	1
PCB 55	ND	U	9.76	495			1
PCB 56	**38.1**	JK	9.77	198	0.63	0.912	1
PCB 60	ND	U	7.81	495			1
PCB 80	ND	U	7.14	495			1
PCB 79	ND	U	7.30	495			1
PCB 78	ND	U	8.13	495			1
PCB 81	**4670**		10.0	495	0.80	1.001	1
PCB 77	**4480**		10.6	495	0.79	1.000	1
PCB 104	**4460**		7.52	495	1.52	1.001	1
PCB 96	ND	U	6.89	495			1
PCB 103	ND	U	8.18	495			1
PCB 94	ND	U	10.3	495			1
PCB 95	**78.1**	J	8.89	495	1.53	1.109	1
PCBs 93 + 100	ND	U	9.73	495			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-03	**Basis:**	NA
Run Type:	Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1523
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1010mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142161	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	9.55	495			1
PCBs 88 + 91	ND	U	9.41	495			1
PCB 84	ND	U	11.3	495			1
PCB 89	ND	U	9.52	495			1
PCB 121	ND	U	6.14	495			1
PCB 92	**13.3**	JK	8.25	495	1.24	0.864	1
PCBs 90 + 101 + 113	**90.1**	J	7.61	990	1.39	0.879	1
PCBs 83 + 99	**42.1**	J	8.92	495	1.37	0.894	1
PCB 112	ND	U	5.90	990			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	**45.8**	J	7.62	495	1.35	0.908	1
PCB 117	ND	U	8.60	198			1
PCBs 85 + 116	ND	U	6.80	198			1
PCBs 110 + 115	**69.2**	J	6.65	990	1.63	0.931	1
PCB 82	ND	U	9.98	495			1
PCB 111	ND	U	6.94	990			1
PCB 120	ND	U	6.45	495			1
PCBs 108 + 124	ND	U	52.1	990			1
PCB 107	ND	U	51.5	990			1
PCB 123	**4760**		61.5	495	1.62	1.000	1
PCB 106	ND	U	50.6	495			1
PCB 118	**4740**		62.9	495	1.55	1.000	1
PCB 122	ND	U	56.7	495			1
PCB 114	**4690**		65.4	495	1.60	1.001	1
PCB 105	**4810**		69.6	198	1.60	1.000	1
PCB 127	ND	U	58.3	990			1
PCB 126	**4980**		101	495	1.55	1.000	1
PCB 155	**4560**		6.59	990	1.23	1.001	1
PCB 152	ND	U	6.43	990			1
PCB 150	ND	U	6.67	990			1
PCB 136	ND	U	6.61	198			1
PCB 145	ND	U	6.98	990			1
PCB 148	ND	U	8.68	990			1
PCBs 135 + 151	ND	U	9.05	495			1
PCB 154	ND	U	8.00	495			1
PCB 144	ND	U	8.77	495			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-03	**Basis:**	NA
Run Type:	Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1523
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1010mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142161	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**24.8**	JK	12.7	495	1.52	1.123	1
PCB 134	ND	U	15.7	495			1
PCB 143	ND	U	12.7	495			1
PCBs 139 + 140	ND	U	12.7	495			1
PCB 131	ND	U	14.3	495			1
PCB 142	ND	U	14.4	990			1
PCB 132	ND	U	14.8	495			1
PCB 133	**56.2**	JK	13.5	495	1.72	1.172	1
PCB 165	ND	U	11.4	990			1
PCB 146	ND	U	12.3	495			1
PCB 161	ND	U	9.78	990			1
PCBs 153 + 168	**22.2**	JK	11.2	495	0.88	0.905	1
PCB 141	ND	U	13.8	198			1
PCB 130	ND	U	14.4	495			1
PCB 137	ND	U	14.6	990			1
PCB 164	ND	U	11.1	495			1
PCBs 129 + 138 + 163	**49.1**	J	13.8	495	1.25	0.934	1
PCB 160	ND	U	11.3	495			1
PCB 158	ND	U	10.6	198			1
PCBs 128 + 166	ND	U	13.3	495			1
PCB 159	ND	U	55.0	990			1
PCB 162	ND	U	111	990			1
PCB 167	**4800**		56.9	495	1.28	1.001	1
PCBs 156 + 157	**9200**		82.8	495	1.24	1.000	1
PCB 169	**4500**		90.7	495	1.25	1.000	1
PCB 188	**4490**		12.1	495	1.01	1.000	1
PCB 179	**78.7**	J	11.3	495	1.11	1.009	1
PCB 184	**53.6**	J	11.1	990	1.15	1.023	1
PCB 176	ND	U	11.6	990			1
PCB 186	ND	U	12.4	990			1
PCB 178	ND	U	16.2	495			1
PCB 175	ND	U	15.5	990			1
PCB 187	ND	U	15.2	495			1
PCB 182	ND	U	15.7	990			1
PCB 183	ND	U	22.6	990			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-03	**Basis:**	NA
Run Type:	Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1523
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1010mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142161	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	28.4	990			1
PCB 174	ND	U	28.1	495			1
PCB 177	**69.7**	J	30.0	495	1.06	1.137	1
PCB 181	ND	U	28.3	990			1
PCBs 171 + 173	ND	U	30.3	990			1
PCB 172	ND	U	30.7	990			1
PCB 192	ND	U	25.3	990			1
PCBs 180 + 193	ND	U	26.2	495			1
PCB 191	ND	U	23.0	990			1
PCB 170	ND	U	33.2	495			1
PCB 190	ND	U	24.9	495			1
PCB 189	**4970**		43.1	495	1.01	1.001	1
PCB 202	**4800**		18.6	990	0.86	1.000	1
PCB 201	ND	U	17.1	990			1
PCB 204	ND	U	17.8	990			1
PCB 197	ND	U	18.4	990			1
PCB 200	ND	U	17.8	990			1
PCBs 198 + 199	ND	U	27.4	495			1
PCB 196	ND	U	27.1	990			1
PCB 203	ND	U	25.7	990			1
PCB 195	**68.7**	JK	30.4	990	1.07	0.944	1
PCB 194	ND	U	30.8	495			1
PCB 205	**5420**		46.7	990	0.91	1.001	1
PCB 208	**5070**		28.4	990	0.76	1.001	1
PCB 207	ND	U	25.7	990			1
PCB 206	**4550**		44.8	990	0.75	1.000	1
PCB 209	**5830**		48.2	495	1.19	1.000	1
Total MonoCB	**8260**		6.40	198			1
Total DiCB	**9610**		27.0	495			1
Total TriCB	**9060**		7.33	495			1
Total TetraCB	**14600**		6.98	495			1
Total PentaCB	**28800**		5.90	990			1
Total HexaCB	**23200**		6.43	990			1
Total HeptaCB	**9660**		11.1	990			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-03	**Basis:**	NA
Run Type:	Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1523
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1010mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142161	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	**10300**		17.1	990			1
Total NonaCB	**9620**		25.7	990			1
Total PCBs	**129000**		5.90	990			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	Percent
Lab Code:	EQ1100541-03	**Basis:**	NA
Run Type:	Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1523
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1010mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142161	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5279.658	53		15-150	3.00	0.745
PCB 3L	10000	5744.571	57		15-150	3.16	0.872
PCB 4L	10000	6516.408	65		25-150	1.56	0.885
PCB 15L	10000	6076.517	61		25-150	1.57	1.224
PCB 19L	10000	7064.077	71		25-150	1.02	1.065
PCB 37L	10000	5035.417	50		25-150	1.01	1.083
PCB 54L	10000	5247.324	52		25-150	0.81	0.827
PCB 81L	10000	4685.510	47		25-150	0.78	1.335
PCB 77L	10000	4934.960	49		25-150	0.79	1.357
PCB 104L	10000	5818.611	58		25-150	1.59	0.823
PCB 123L	10000	4535.428	45		25-150	1.58	1.138
PCB 118L	10000	4567.430	46		25-150	1.63	1.148
PCB 114L	10000	4277.971	43		25-150	1.63	1.164
PCB 105L	10000	4206.191	42		25-150	1.55	1.183
PCB 126L	10000	3762.863	38		25-150	1.60	1.275
PCB 155L	10000	7358.189	74		25-150	1.26	0.800
PCB 167L	10000	4535.450	45		25-150	1.30	1.072
PCBs 156L + 157L	20000	9059.532	45		25-150	1.25	1.100
PCB 169L	10000	3852.892	39		25-150	1.20	1.177
PCB 188L	10000	13497.942	135		25-150	1.05	0.729
PCB 189L	10000	6807.288	68		25-150	1.04	0.961
PCB 202L	10000	9793.987	98		25-150	0.91	0.829
PCB 205L	10000	5355.005	54		25-150	0.91	1.009
PCB 208L	10000	7445.649	74		25-150	0.81	0.952
PCB 206L	10000	5363.577	54		25-150	0.80	1.041
PCB 209L	10000	3814.811	38		25-150	1.20	1.071
PCB 28L	10000	5623.839	56		30-135	1.04	0.930
PCB 111L	10000	5997.001	60		30-135	1.56	1.081
PCB 178L	10000	6537.782	65		30-135	1.05	1.011

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-04	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1631
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142162	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 1	**4030**		5.73	196	3.05	1.001	1
PCB 2	ND	U	6.83	9.80			1
PCB 3	**4200**		7.27	196	3.06	1.001	1
PCB 4	**4600**		47.9	490	1.58	1.002	1
PCB 10	ND	U	27.6	49.0			1
PCB 9	ND	U	46.0	49.0			1
PCB 7	ND	U	48.5	49.0			1
PCB 6	ND	U	42.9	49.0			1
PCB 5	ND	U	54.4	54.4			1
PCB 8	ND	U	40.1	490			1
PCB 14	ND	U	44.0	98.0			1
PCB 11	**454**		48.2	196	1.46	0.973	1
PCBs 12 + 13	ND	U	50.4	98.0			1
PCB 15	**4500**		51.7	490	1.53	1.001	1
PCB 19	**4390**		11.7	98.0	1.02	1.001	1
PCBs 18 + 30	**49.5**	J	8.84	490	1.10	1.102	1
PCB 17	**24.0**	J	11.4	196	0.92	1.124	1
PCB 27	ND	U	7.32	196			1
PCB 24	ND	U	8.22	196			1
PCB 16	**29.5**	J	14.1	98.0	0.96	1.147	1
PCB 32	**14.6**	JK	7.01	196	1.51	1.174	1
PCB 34	ND	U	13.0	196			1
PCB 23	ND	U	14.1	196			1
PCBs 26 + 29	ND	U	13.5	196			1
PCB 25	ND	U	12.9	196			1
PCB 31	**53.5**	J	13.0	490	1.10	0.850	1
PCBs 20 + 28	**61.2**	J	14.0	490	0.99	0.861	1
PCBs 21 + 33	**28.4**	J	13.4	196	0.97	0.869	1
PCB 22	ND	U	15.1	196			1
PCB 36	ND	U	12.9	196			1
PCB 39	ND	U	13.9	196			1
PCB 38	ND	U	14.0	196			1
PCB 35	ND	U	14.3	196			1
PCB 37	**4300**		17.4	490	1.02	1.001	1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-04	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1631
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142162	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 54	**4870**		8.84	490	0.75	1.002	1
PCBs 50 + 53	ND	U	8.66	196			1
PCBs 45 + 51	ND	U	8.90	196			1
PCB 46	ND	U	10.8	196			1
PCB 52	**86.1**	J	7.89	490	0.66	1.211	1
PCBs 43 + 73	ND	U	8.30	490			1
PCBs 49 + 69	**33.1**	J	7.35	490	0.80	1.233	1
PCB 48	ND	U	8.84	196			1
PCBs 44 + 47 + 65	**150**	J	8.04	490	0.78	1.257	1
PCBs 59 + 62 + 75	ND	U	6.65	196			1
PCB 42	ND	U	9.15	196			1
PCBs 41 + 71 + 40	**25.5**	J	8.85	490	0.89	1.302	1
PCB 64	**20.8**	JK	6.40	196	0.90	1.312	1
PCB 72	ND	U	6.28	490			1
PCB 68	**26.5**	JK	6.39	490	0.93	0.844	1
PCB 57	ND	U	6.88	490			1
PCB 58	ND	U	7.21	490			1
PCB 67	ND	U	6.84	490			1
PCB 63	ND	U	6.86	490			1
PCBs 70 + 61 + 74 + 76	**69.3**	J	7.03	490	0.74	0.883	1
PCB 66	**25.2**	JK	6.82	490	0.91	0.893	1
PCB 55	ND	U	7.35	490			1
PCB 56	**23.9**	JK	19.9	196	0.94	0.912	1
PCB 60	ND	U	15.9	490			1
PCB 80	ND	U	14.5	490			1
PCB 79	ND	U	14.9	490			1
PCB 78	ND	U	16.5	490			1
PCB 81	**4660**		20.4	490	0.76	1.001	1
PCB 77	**4520**		21.7	490	0.74	1.000	1
PCB 104	**4450**		7.23	490	1.59	1.001	1
PCB 96	ND	U	6.72	490			1
PCB 103	ND	U	7.99	490			1
PCB 94	ND	U	9.97	490			1
PCB 95	**56.2**	J	8.68	490	1.33	1.108	1
PCBs 93 + 100	ND	U	9.50	490			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-04	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1631
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142162	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 98 + 102	ND	U	9.33	490			1
PCBs 88 + 91	ND	U	9.19	490			1
PCB 84	ND	U	11.1	490			1
PCB 89	ND	U	9.30	490			1
PCB 121	ND	U	9.10	490			1
PCB 92	ND	U	12.3	490			1
PCBs 90 + 101 + 113	**58.6**	JK	11.3	980	1.19	0.879	1
PCBs 83 + 99	**29.1**	J	13.3	490	1.50	0.895	1
PCB 112	ND	U	8.74	980			1
PCBs 86 + 87 + 97 + 109 + 119 + 125	ND	U	11.3	490			1
PCB 117	ND	U	12.8	196			1
PCBs 85 + 116	ND	U	10.1	196			1
PCBs 110 + 115	**51.5**	J	9.85	980	1.77	0.931	1
PCB 82	ND	U	14.8	490			1
PCB 111	ND	U	10.3	980			1
PCB 120	ND	U	9.56	490			1
PCBs 108 + 124	ND	U	44.7	980			1
PCB 107	ND	U	44.2	980			1
PCB 123	**4780**		53.8	490	1.52	1.000	1
PCB 106	ND	U	43.5	490			1
PCB 118	**4760**		54.2	490	1.55	1.000	1
PCB 122	ND	U	48.7	490			1
PCB 114	**4800**		57.2	490	1.48	1.001	1
PCB 105	**4880**		62.6	196	1.58	1.000	1
PCB 127	ND	U	50.1	980			1
PCB 126	**5270**		89.0	490	1.64	1.000	1
PCB 155	**4530**		8.18	980	1.23	1.001	1
PCB 152	ND	U	8.07	980			1
PCB 150	ND	U	8.37	980			1
PCB 136	ND	U	8.29	196			1
PCB 145	ND	U	8.76	980			1
PCB 148	ND	U	10.9	980			1
PCBs 135 + 151	ND	U	11.4	490			1
PCB 154	ND	U	10.1	490			1
PCB 144	ND	U	11.0	490			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-04	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1631
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142162	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCBs 147 + 149	**34.5**	J	14.9	490	1.22	1.123	1
PCB 134	ND	U	18.5	490			1
PCB 143	ND	U	15.0	490			1
PCBs 139 + 140	ND	U	14.9	490			1
PCB 131	ND	U	16.8	490			1
PCB 142	ND	U	16.9	980			1
PCB 132	ND	U	17.4	490			1
PCB 133	**69.7**	J	15.9	490	1.28	1.173	1
PCB 165	ND	U	13.4	980			1
PCB 146	ND	U	14.5	490			1
PCB 161	ND	U	11.5	980			1
PCBs 153 + 168	**31.9**	J	13.2	490	1.24	0.905	1
PCB 141	ND	U	16.2	196			1
PCB 130	ND	U	16.9	490			1
PCB 137	ND	U	17.2	980			1
PCB 164	ND	U	13.0	490			1
PCBs 129 + 138 + 163	**50.6**	J	16.2	490	1.37	0.933	1
PCB 160	ND	U	13.2	490			1
PCB 158	ND	U	12.4	196			1
PCBs 128 + 166	ND	U	15.6	490			1
PCB 159	ND	U	40.8	980			1
PCB 162	ND	U	81.9	980			1
PCB 167	**4640**		42.7	490	1.17	1.000	1
PCBs 156 + 157	**9450**		61.3	490	1.22	1.000	1
PCB 169	**4470**		69.3	490	1.19	1.000	1
PCB 188	**4510**		9.67	490	1.00	1.000	1
PCB 179	**76.9**	J	9.12	490	1.10	1.009	1
PCB 184	**54.9**	J	8.91	980	1.18	1.023	1
PCB 176	ND	U	9.29	980			1
PCB 186	ND	U	9.96	980			1
PCB 178	ND	U	13.1	490			1
PCB 175	ND	U	12.5	980			1
PCB 187	ND	U	12.3	490			1
PCB 182	ND	U	12.7	980			1
PCB 183	ND	U	16.2	980			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-04	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1631
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142162	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
PCB 185	ND	U	20.4	980			1
PCB 174	ND	U	20.2	490			1
PCB 177	**68.3**	JK	21.5	490	0.85	1.138	1
PCB 181	ND	U	20.3	980			1
PCBs 171 + 173	ND	U	21.7	980			1
PCB 172	ND	U	22.0	980			1
PCB 192	ND	U	18.1	980			1
PCBs 180 + 193	ND	U	18.7	490			1
PCB 191	ND	U	16.4	980			1
PCB 170	ND	U	23.8	490			1
PCB 190	ND	U	17.8	490			1
PCB 189	**4940**		31.5	490	1.00	1.001	1
PCB 202	**4880**		13.5	980	0.88	1.000	1
PCB 201	ND	U	12.4	980			1
PCB 204	ND	U	12.9	980			1
PCB 197	ND	U	13.3	980			1
PCB 200	ND	U	12.9	980			1
PCBs 198 + 199	ND	U	19.9	490			1
PCB 196	ND	U	19.7	980			1
PCB 203	ND	U	18.6	980			1
PCB 195	**80.0**	J	22.0	980	0.79	0.944	1
PCB 194	ND	U	22.4	490			1
PCB 205	**5710**		34.7	980	0.87	1.000	1
PCB 208	**5050**		29.5	980	0.81	1.000	1
PCB 207	ND	U	26.8	980			1
PCB 206	**4480**		49.1	980	0.80	1.000	1
PCB 209	**6000**		71.9	490	1.17	1.001	1
Total MonoCB	**8220**		5.73	196			1
Total DiCB	**9550**		27.6	490			1
Total TriCB	**8950**		7.01	490			1
Total TetraCB	**14500**		6.28	490			1
Total PentaCB	**29100**		6.72	980			1
Total HexaCB	**23300**		8.07	980			1
Total HeptaCB	**9650**		8.91	980			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	pg/L
Lab Code:	EQ1100541-04	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1631
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142162	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total OctaCB	**10700**		12.4	980			1
Total NonaCB	**9530**		26.8	980			1
Total PCBs	**130000**		5.73	980			1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Terracon Environmental	**Service Request:**	E1101076
Project:	Bannister Complex/02107144	**Date Collected:**	11/ 1/11 1425
Sample Matrix:	Ground Water	**Date Received:**	11/ 3/11
Sample Name:	KC91-152U	**Units:**	Percent
Lab Code:	EQ1100541-04	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method:	1668A	**Date Analyzed:**	11/22/11 1631
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	11/15/11
Sample Amount:	1020mL	**Instrument Name:**	E-HRMS-01
		GC Column:	SPB-OCTYL
Data File Name:	U142162	**Blank File Name:**	U142175
ICAL Date:	02/23/11	**Cal Ver. File Name:**	U142155

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	10000	5864.373	59		15-150	3.12	0.745
PCB 3L	10000	6466.410	65		15-150	3.05	0.872
PCB 4L	10000	7154.570	72		25-150	1.54	0.885
PCB 15L	10000	6841.700	68		25-150	1.56	1.223
PCB 19L	10000	7916.367	79		25-150	1.03	1.064
PCB 37L	10000	5709.533	57		25-150	1.01	1.083
PCB 54L	10000	5953.875	60		25-150	0.80	0.827
PCB 81L	10000	5069.104	51		25-150	0.77	1.336
PCB 77L	10000	5301.574	53		25-150	0.75	1.357
PCB 104L	10000	6630.173	66		25-150	1.55	0.824
PCB 123L	10000	4912.649	49		25-150	1.51	1.138
PCB 118L	10000	4937.501	49		25-150	1.48	1.148
PCB 114L	10000	4649.996	46		25-150	1.51	1.164
PCB 105L	10000	4458.500	45		25-150	1.49	1.183
PCB 126L	10000	3907.309	39		25-150	1.52	1.275
PCB 155L	10000	8467.733	85		25-150	1.25	0.800
PCB 167L	10000	5157.969	52		25-150	1.25	1.073
PCBs 156L + 157L	20000	10112.791	51		25-150	1.26	1.100
PCB 169L	10000	4231.385	42		25-150	1.26	1.177
PCB 188L	10000	15800.359	158	Y	25-150	1.06	0.728
PCB 189L	10000	7818.005	78		25-150	1.03	0.961
PCB 202L	10000	11247.458	112		25-150	0.90	0.828
PCB 205L	10000	5854.990	59		25-150	0.88	1.009
PCB 208L	10000	8474.952	85		25-150	0.79	0.952
PCB 206L	10000	6085.276	61		25-150	0.81	1.041
PCB 209L	10000	4208.728	42		25-150	1.18	1.070
PCB 28L	10000	6275.446	63		30-135	1.03	0.930
PCB 111L	10000	6562.694	66		30-135	1.58	1.081
PCB 178L	10000	7252.535	73		30-135	1.06	1.011

Chain of Custody

19408 Park Row, Suite 320, Houston, TX 77084
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

An Employee Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REPORT FORM

Columbia Analytical Services™ 19408 Park Row, Ste 320 • Houston, TX 77084 • (713) 266-1599 • FAX (713) 266-0130

DATE 11/2/11 PAGE 1 OF 1

PROJECT NAME Bannister Complex
PROJECT # 02107144
COMPANY/ADDRESS Terracon
13910 W. 96th Terrace
Lenexa, KS 66215 PHONE 913-492-7777
REPORT TO: Will King wwkings@terracon.com

ANALYSIS REQUEST

SAMPLE I.D.	DATE	TIME	SAMPLE MATRIX	NUMBER OF CONTAINERS	8290	1613B	1613 TCDD only	1668 WHO	1668 Full List													REMARKS
KC91-157L	11/1/11	1855	GW	2					X													
KC91-157U	11/1/11	1820	GW	2					X													
KC91-156U	11/1/11	1725	GW	2					X													
KC91-156L	11/1/11	1640	GW	2					X													
KC91-152L	11/1/11	1527	GW	2					X													
KC91-152U	11/1/11	1425	GW	6					X													
Rinsate	11/1/11	1205	GW	2					X													
DUP	11/1/11	—	GW	2					X													
No Further Entries																						
				11/2/11																		

RELINQUISHED BY:
Signature: Will King
Printed Name
Firm: Terracon
Date/Time: 11/2/11 - 1500

RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS (in working days)
RUSH .....5 Days
RUSH .....10 Days
STD.....15 DAYS

DELIVERABLES
___ I. Analytical Report
___ II. Analytical Report + QC
___ IV. Data Validation Report (includes All Raw Data)

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Opened by:
Inspected by:
Date:
Time:

RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

RECEIVED BY:
Signature
Printed Name: Ami Koder
Firm: CAS Houston
Date/Time: 11/3/11 1023

SPECIAL INSTRUCTIONS/COMMENTS:
Use extra volume collected @ KC91-152U for MS/MSD
Level IV QA/QC Report

SAMPLER'S SIGNATURE

cooler 1: opened @ 1028 1°C bubble wrap, vetice 0768960888027 no seals
cooler 2: opened @ 1029 bubble wrap vetice no seals 0°C 0768960888816

DISTRIBUTION: WHITE - return to originator; YELLOW - retained by originator

coc11-09

Columbia Analytical Services

Cooler Receipt Form

Project Chemist: MC

Client/Project: Terracon/ Bannister Complex

Service Request: E1101076

Date/Time Received: 11/03/11 09:50:00

Date/Time Logged in: 11/03/11 12:00:00

Technician: AK

Technician: AL

1. Method of delivery: ○ US Mail ◉ Fed Ex ○ UPS ○ DHL ○ Courier ○ Client

2. Samples received in: ◉ Cooler ○ Box ○ Envelope ○ Other

3. Were custody seals on coolers? ○ Yes ◉ No ○ N/A

Were they intact? ○ Yes ○ No ◉ N/A

Were they signed and dated? ○ Yes ○ No ◉ N/A

If yes, how many and where?

4. Method of delivery: ○ Inserts ☑ Baggies ☑ Bubble Wrap ○ Gel Packs ☑ Wet Ice ○ Sleeves ○ Other

5. Foreign or Regulated Soil? ○ Yes ◉ No

Location of Sampling:

Cooler Tracking Number	COC ID	Date Opened	Time Opened	Opened By	Temp. °C	Temp Blank?	Filed
876896078827		Nov 3, 2011	1028	AK	1	☐	☐
876796088816		Nov 3, 2011	1028	AK	0	☐	☐
						☐	☐
						☐	☐
						☐	☐

6. Were custody papers properly filled out (ink, signed, dated, etc)? ◉ Yes ○ No ○ N/A

7. Did all bottles arrive in good condition (not broken, no signs of leakage)? ◉ Yes ○ No ○ N/A

8. Were all sample labels complete (i.e., sample ID, analysis, preservation, etc)? ◉ Yes ○ No ○ N/A

9. Were appropriate bottles/containers and volumes received for the requested tests? ◉ Yes ○ No ○ N/A

10. Did sample labels and tags agree with custody documents? ◉ Yes ○ No ○ N/A

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Broken	Date	Technician
			☐	☐		
			☐	☐		
			☐	☐		
			☐	☐		

Notes, Discrepancies, & Resolutions:

Print Form

Reset Form

Columbia Analytical Services INC

Sample Acceptance Policy

This policy outlines the criteria samples must meet to be accepted by CAS/ Houston.

Cooler Custody Seals (desirable, mandatory if specified in SAP):

- ✓ Intact on outside of cooler, signed and dated

Chain-of-Custody (COC) documentation (mandatory):

The following is required on each COC:

- ✓ Sample ID, the location, date and time of collection, collector's name, preservation type, sample type, and any other special remarks concerning the sample
- ✓ The COC must be completed in ink.
- ✓ Signature and date of relinquishing party.

In the absence of a COC at sample receipt, CAS/Houston will complete a COC, which must be approved by the client, in writing, prior to proceeding with the analysis.

Sample Integrity (mandatory):

Samples are inspected upon arrival to ensure that sample integrity was not compromised during transfer to the laboratory.

- ✓ Sample containers must arrive in good condition (not broken or leaking).
- ✓ Samples must be labeled appropriately, including Sample IDs, and requested test using durable labels and indelible ink.
- ✓ The correct type of sample bottle must be used for the method requested.
- ✓ An appropriate sample volume, or weight, must be received.
- ✓ Sample IDs and number of containers must reconcile with the COC.
- ✓ Samples must be received within the method defined holding time.

Temperature Requirement (varies by sample matrix):

- ✓ Aqueous and Non-aqueous samples must be shipped and stored cold, at 0 to 6°C.
- ✓ Tissue samples must be shipped and stored frozen, at -20 to -10°C.
- ✓ Air samples can be shipped and stored at ambient temperature, ~23°C.
- ✓ The sample temperature must be recorded on the COC

All cooler inspections are documented on the Cooler Receipt Form (CRF). A separate CRF is completed for each service request. Any samples not meeting the above criteria are noted on the CRF and the Project Manager notified. The Project Manager must resolve any sample integrity issues with the client prior to proceeding with the analysis. Such resolutions are documented in writing and filed with the project folder.

Service Request Summary

Folder #: **E1101076**
Client Name: Terracon Environmental
Project Name: Bannister Complex
Project Number: 02107144

Report To: Wil King
Terracon Environmental
13910 W. 96th Terrace
Lenexa, KS 66215
Phone Number: 913-492-7777 Ext. 430
Cell Number: 913-205-7390
Fax Number:
E-mail: wwking@terracon.com

Project Chemist: Michael Cosson
Originating Lab: HOUSTON
Logged By: ALOPEZ
Date Received: 11/ 3/11
Internal Due Date: 11/26/11
QAP: LAB QAP
Qualifier Set: CAS Standard
Formset: CAS Standard
Merged?: N
Report to MDL?: Y
P.O. Number:
EDD: BASIC_WQC_CASNo

20 - 1000 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved

Location: In Lab, E-WIC01-D9

CAS Samp No	Client Samp No.	Matrix	Collected		SVM 1668A/ Cl Biphen Cong
E1101076-001	KC91-157L	Ground	11/1/11	1855	**IV**
E1101076-002	KC91-157U	Ground	11/1/11	1820	**IV**
E1101076-003	KC91-156U	Ground	11/1/11	1725	**IV**
E1101076-004	KC91- 156L	Ground	11/1/11	1640	**IV**
E1101076-005	KC91-152L	Ground	11/1/11	1527	**IV**
E1101076-006	KC91-152U	Ground	11/1/11	1425	**IV**
E1101076-007	Rinsate	Ground	11/1/11	1205	**IV**
E1101076-008	DUP	Ground	11/1/11	0000	**IV**

Folder Comments:

MS/MSD on -006

Preparation Information Benchsheet

Prep Run#: 146024 **Prep WorkFlow:** OrgExtAq(365) **Status:** Prepped
Team: Semivoa GCMS/EBAUCH **Prep Method:** Method Sep Funnel/Jar **Prep Date/Time:** 11/15/11 04:35 PM

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Sample Description
1	E1101076-001	KC91-157L	.01	1668A/Cl Biphen Cong		Ground Water	1020mL	opaque, orange liquid
2	E1101076-002	KC91-157U	.01	1668A/Cl Biphen Cong		Ground Water	970mL	clear, orange liquid
3	E1101076-003	KC91-156U	.01	1668A/Cl Biphen Cong		Ground Water	980mL	opaque, orange liquid
4	E1101076-004	KC91- 156L	.01	1668A/Cl Biphen Cong		Ground Water	970mL	clear, orange liquid
5	E1101076-005	KC91-152L	.01	1668A/Cl Biphen Cong		Ground Water	880mL	clear, yellow liquid
6	E1101076-006	KC91-152U	.01	1668A/Cl Biphen Cong		Ground Water	1000mL	clear, yellow liquid
7	E1101076-007	Rinsate	.01	1668A/Cl Biphen Cong		Ground Water	960mL	clear, colorless liquid
8	E1101076-008	DUP	.01	1668A/Cl Biphen Cong		Ground Water	980mL	clear, orange liquid
9	EQ1100541-01	MB		1668A/Cl Biphen Cong		Liquid	1000mL	
10	EQ1100541-02	LCS		1668A/Cl Biphen Cong		Liquid	1000mL	
11	EQ1100541-03	KC91-152U MS	.02	1668A/Cl Biphen Cong		Liquid	1010mL	
12	EQ1100541-04	KC91-152U DMS	.03	1668A/Cl Biphen Cong		Liquid	1020mL	

Spiking Solutions

Name: 1668A Clean Up Working Standard Inventory ID 36560 Logbook Ref: B4-36-3 (36560) Expires On: 11/02/2012

E1101076-001	100.00µL	E1101076-002	100.00µL	E1101076-003	100.00µL	E1101076-004	100.00µL	E1101076-005	100.00µL	E1101076-006	100.00µL
E1101076-007	100.00µL	E1101076-008	100.00µL	EQ1100541-01	100.00µL	EQ1100541-02	100.00µL	EQ1100541-03	100.00µL	EQ1100541-04	100.00µL

Name: 1668A Labeled Working Standard Inventory ID 37265 Logbook Ref: B4-38-4 (37265) Expires On: 11/15/2012

E1101076-001	1,000.00µL	E1101076-002	1,000.00µL	E1101076-003	1,000.00µL	E1101076-004	1,000.00µL	E1101076-005	1,000.00µL	E1101076-006	1,000.00µL
E1101076-007	1,000.00µL	E1101076-008	1,000.00µL	EQ1100541-01	1,000.00µL	EQ1100541-02	1,000.00µL	EQ1100541-03	1,000.00µL	EQ1100541-04	1,000.00µL

Name: 1668A Working Matrix Standard Inventory ID 37266 Logbook Ref: B4-38-5 (37266) Expires On: 11/15/2012

EQ1100541-02	1,000.00µL	EQ1100541-03	1,000.00µL	EQ1100541-04	1,000.00µL

Preparation Materials

Acetone 99.5% Minimum	C2-39-7 (32865)	Sulfuric Acid Reagent Grade H2SO4	C2-64-3 (37036)	Dichloromethane (Methylene Chloride) 99.9% MeCl2	C2-60-3 (37168)
Sodium Thiosulfate Anhydrous Reagent Grade NaS2O3	C2-54-6 (28404)	Sodium Hydroxide Reagent Grade NaOH	C2-53-5 (27837)	Sodium Sulfate Anhydrous Reagent Grade Na2SO4	C2-63-1 (35713)
Hexane (n-Hexane) 98.5% Minimum	C2-61-5 (35698)	Nonane (n-Nonane) 99%	C2-33-001 (13944)	Silica Gel Reagent Grade	C2-58-4 (32780)
Toluene 99.9% Minimum	C2-61-3 (35695)				

Preparation Information Benchsheet

Prep Run#: 146024 **Prep WorkFlow:** OrgExtAq(365) **Status:** Prepped
Team: Semivoa GCMS/EBAUCH **Prep Method:** Method Sep Funnel/Jar **Prep Date/Time:** 11/15/11 04:35 PM

Preparation Steps

Step:	Extraction	Step:	Acid Clean	Step:	Silica Gel Clean	Step:	Final Volume
Started:	11/15/11 16:35	Started:	11/15/11 17:58	Started:	11/18/11 11:00	Started:	11/20/11 16:53
Finished:	11/15/11 17:58	Finished:	11/15/11 17:58	Finished:	11/18/11 11:35	Finished:	11/20/11 18:00
By:	EBAUCH	By:	EBAUCH	By:	EBAUCH	By:	EBAUCH
Comments		Comments		Comments		Comments	

Comments: _____

Reviewed By: EB Date: 11/20/11

Chain of Custody

Relinquished By: _____ Date: _____ Extracts Examined

Received By: _____ Date: _____ Yes No

E1101076 103 of 997

Columbia Analytical Services INC

Chromatograms and Selected Ion Monitoring

19408 Park Row, Suite 320, Houston, TX 77084
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

An Employee Owned Company

Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
KC91-157L

#10 Filename U142158 Samp: 1 Inj: 1 Acquired: 22-NOV-11 11:58:08
Processed: 29-NOV-11 11:07:08 Sample ID: E1101076-001

	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.071
2	1	PCB-2	NotFnd	*	*	*	n	n	1.004
3	1	PCB-3	NotFnd	*	*	*	n	y	1.036
4	1	PCB-4	NotFnd	*	*	*	n	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	1.968
6	2	PCB-9	NotFnd	*	*	*	n	n	1.083
7	2	PCB-7	NotFnd	*	*	*	n	n	1.027
8	2	PCB-6	NotFnd	*	*	*	n	n	1.162
9	2	PCB-5	NotFnd	*	*	*	n	n	0.915
10	2	PCB-8	NotFnd	*	*	*	n	n	1.243
11	2	PCB-14	NotFnd	*	*	*	n	n	1.131
12	2	PCB-11	21:19	6.504e+02	4.561e+02	1.43	y	y	1.034
13	2	PCB-12/13	NotFnd	*	*	*	n	n	0.988
14	2	PCB-15	NotFnd	*	*	*	n	n	0.977
[illegible]	2	PCB-19	NotFnd	*	*	*	n	n	1.001
[illegible]	2	PCB-18/30	21:00	9.262e+01	9.243e+01	1.00	y	y	1.386
[illegible]	2	PCB-17	21:25	3.031e+01	3.457e+01	0.88	n	y	1.075
18	2	PCB-27	NotFnd	*	*	*	n	n	1.675
19	2	PCB-24	NotFnd	*	*	*	n	n	1.490
20	2	PCB-16	21:51	2.148e+01	2.920e+01	0.74	n	y	0.872
21	2	PCB-32	22:23	3.036e+01	2.817e+01	1.08	y	y	1.748
22	3	PCB-34	NotFnd	*	*	*	n	n	1.403
23	3	PCB-23	NotFnd	*	*	*	n	n	1.296
24	3	PCB-26/29	NotFnd	*	*	*	n	n	1.354
25	3	PCB-25	NotFnd	*	*	*	n	n	1.418
26	3	PCB-31	24:42	7.259e+01	8.306e+01	0.87	n	y	1.399
27	3	PCB-20/28	25:00	8.388e+01	8.866e+01	0.95	y	y	1.298
28	3	PCB-21/33	25:15	4.195e+01	5.564e+01	0.75	n	y	1.361
29	3	PCB-22	NotFnd	*	*	*	n	y	1.202
30	3	PCB-36	NotFnd	*	*	*	n	n	1.412
31	3	PCB-39	NotFnd	*	*	*	n	n	1.306
32	3	PCB-38	NotFnd	*	*	*	n	n	1.302
[illegible]	3	PCB-35	NotFnd	*	*	*	n	n	1.275
[illegible]	3	PCB-37	NotFnd	*	*	*	n	n	1.089
[illegible]	2	PCB-54	NotFnd	*	*	*	n	n	1.002
36	3	PCB-50/53	NotFnd	*	*	*	n	n	1.161
37	3	PCB-45/51	NotFnd	*	*	*	n	n	1.130
38	3	PCB-46	NotFnd	*	*	*	n	n	0.939
39	3	PCB-52	26:51	8.257e+01	1.266e+02	0.65	n	y	1.276
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.211
41	3	PCB-49/69	27:20	3.498e+01	3.741e+01	0.94	n	y	1.368
42	3	PCB-48	NotFnd	*	*	*	n	n	1.138
43	3	PCB-44/47/65	27:53	9.877e+01	1.261e+02	0.78	y	y	1.252
44	3	PCB-59/62/75	NotFnd	*	*	*	n	n	1.513
45	3	PCB-42	NotFnd	*	*	*	n	y	1.099
46	3	PCB-40/41/71	NotFnd	*	*	*	n	y	1.136
47	3	PCB-64	29:06	2.633e+01	5.114e+01	0.51	n	y	1.573
48	3	PCB-72	NotFnd	*	*	*	n	n	1.602
49	3	PCB-68	NotFnd	*	*	*	n	n	1.574
50	3	PCB-57	NotFnd	*	*	*	n	n	1.462

3	PCB-58	NotFnd	*	*	*	n	n	1.396
3	PCB-67	NotFnd	*	*	*	n	n	1.472
3	PCB-63	NotFnd	*	*	*	n	n	1.467
3	PCB-61/70/74/76	31:40	8.398e+01	1.169e+02	0.72	y	y	1.431
3	PCB-66	31:59	3.633e+01	4.110e+01	0.88	y	y	1.475
3	PCB-55	NotFnd	*	*	*	n	n	1.369
4	PCB-56	NotFnd	*	*	*	n	n	0.889
4	PCB-60	NotFnd	*	*	*	n	y	1.113
4	PCB-80	NotFnd	*	*	*	n	n	1.216
4	PCB-79	NotFnd	*	*	*	n	n	1.191
4	PCB-78	NotFnd	*	*	*	n	n	1.069
4	PCB-81	NotFnd	*	*	*	n	n	1.034
4	PCB-77	NotFnd	*	*	*	n	n	0.995
3	PCB-104	NotFnd	*	*	*	n	n	1.030
3	PCB-96	NotFnd	*	*	*	n	n	1.715
3	PCB-103	NotFnd	*	*	*	n	n	1.443
3	PCB-94	NotFnd	*	*	*	n	n	1.156
3	PCB-95	30:47	7.414e+01	5.104e+01	1.45	y	y	1.328
3	PCB-93/100	NotFnd	*	*	*	n	n	1.213
3	PCB-98/102	NotFnd	*	*	*	n	n	1.236
3	PCB-88/91	NotFnd	*	*	*	n	n	1.254
3	PCB-84	NotFnd	*	*	*	n	n	1.046
3	PCB-89	NotFnd	*	*	*	n	n	1.240
4	PCB-121	NotFnd	*	*	*	n	n	1.497
4	PCB-92	NotFnd	*	*	*	n	y	1.115
4	PCB-90/101/113	33:45	1.253e+02	6.480e+01	1.93	n	y	1.208
4	PCB-83/99	34:20	3.681e+01	2.693e+01	1.37	y	y	1.030
4	PCB-112	NotFnd	*	*	*	n	n	1.560
4	PCB-86/87/97/109/119/125	34:57	7.478e+01	5.568e+01	1.34	y	y	1.206
4	PCB-117	NotFnd	*	*	*	n	n	1.070
4	PCB-85/116	NotFnd	*	*	*	n	n	1.352
4	PCB-110/115	35:44	1.358e+02	8.376e+01	1.62	y	y	1.384
4	PCB-82	NotFnd	*	*	*	n	n	0.922
4	PCB-111	NotFnd	*	*	*	n	n	1.325
4	PCB-120	NotFnd	*	*	*	n	n	1.425
5	PCB-108/124	NotFnd	*	*	*	n	n	1.016
5	PCB-107	NotFnd	*	*	*	n	n	1.028
5	PCB-123	NotFnd	*	*	*	n	n	1.018
5	PCB-106	NotFnd	*	*	*	n	n	1.046
5	PCB-118	38:45	1.062e+02	6.756e+01	1.57	y	n	0.997
5	PCB-122	NotFnd	*	*	*	n	n	0.934
5	PCB-114	NotFnd	*	*	*	n	n	0.991
5	PCB-105	NotFnd	*	*	*	n	n	1.011
5	PCB-127	NotFnd	*	*	*	n	n	0.908
5	PCB-126	NotFnd	*	*	*	n	n	0.960
4	PCB-155	NotFnd	*	*	*	n	n	0.988
4	PCB-152	NotFnd	*	*	*	n	n	2.314
4	PCB-150	NotFnd	*	*	*	n	n	2.233
4	PCB-136	NotFnd	*	*	*	n	y	2.253
4	PCB-145	NotFnd	*	*	*	n	n	2.133
4	PCB-148	NotFnd	*	*	*	n	n	1.715
4	PCB-135/151	NotFnd	*	*	*	n	y	1.644
4	PCB-154	NotFnd	*	*	*	n	n	1.860
4	PCB-144	NotFnd	*	*	*	n	n	1.697
5	PCB-147/149	37:35	5.637e+01	3.856e+01	1.46	n	y	1.341
5	PCB-134	NotFnd	*	*	*	n	n	1.083
5	PCB-143	NotFnd	*	*	*	n	n	1.340

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.341
109	5	PCB-131	NotFnd	*	*	*	n	n	1.189
110	5	PCB-142	NotFnd	*	*	*	n	n	1.185
111	5	PCB-132	NotFnd	*	*	*	n	y	1.149
112	5	PCB-133	NotFnd	*	*	*	n	n	1.260
113	5	PCB-165	NotFnd	*	*	*	n	n	1.502
114	5	PCB-146	NotFnd	*	*	*	n	y	1.383
115	5	PCB-161	NotFnd	*	*	*	n	n	1.737
116	5	PCB-153/168	40:37	4.891e+01	3.974e+01	1.23	y	y	1.519
117	5	PCB-141	NotFnd	*	*	*	n	y	1.233
118	5	PCB-130	NotFnd	*	*	*	n	n	1.187
[illegible]	5	PCB-137	NotFnd	*	*	*	n	n	1.541
[illegible]	5	PCB-164	NotFnd	*	*	*	n	n	1.541
[illegible]	5	PCB-129/138/163	41:52	8.225e+01	5.437e+01	1.51	n	y	1.238
[illegible]	5	PCB-160	NotFnd	*	*	*	n	n	1.515
[illegible]	5	PCB-158	NotFnd	*	*	*	n	y	1.614
[illegible]	5	PCB-128/166	NotFnd	*	*	*	n	y	1.281
[illegible]	6	PCB-159	NotFnd	*	*	*	n	n	0.910
125	6	PCB-162	NotFnd	*	*	*	n	n	0.452
126	6	PCB-167	NotFnd	*	*	*	n	n	1.008
127	6	PCB-156/157	NotFnd	*	*	*	n	n	1.006
128	6	PCB-169	NotFnd	*	*	*	n	n	0.992
129									
130	5	PCB-188	NotFnd	*	*	*	n	n	0.990
131	5	PCB-179	NotFnd	*	*	*	n	y	1.556
132	5	PCB-184	NotFnd	*	*	*	n	n	1.593
[illegible]	5	PCB-176	NotFnd	*	*	*	n	n	1.527
[illegible]	5	PCB-186	NotFnd	*	*	*	n	n	1.425
[illegible]	5	PCB-178	NotFnd	*	*	*	n	n	1.087
[illegible]	5	PCB-175	NotFnd	*	*	*	n	n	1.138
[illegible]	5	PCB-187	NotFnd	*	*	*	n	n	1.158
[illegible]	5	PCB-182	NotFnd	*	*	*	n	n	1.120
[illegible]	6	PCB-183	NotFnd	*	*	*	n	n	0.770
[illegible]	6	PCB-185	NotFnd	*	*	*	n	n	0.612
[illegible]	6	PCB-174	NotFnd	*	*	*	n	n	0.619
[illegible]	6	PCB-177	NotFnd	*	*	*	n	n	0.581
[illegible]	6	PCB-181	NotFnd	*	*	*	n	n	0.614
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.575
145	6	PCB-172	NotFnd	*	*	*	n	n	0.566
146	6	PCB-192	NotFnd	*	*	*	n	n	0.689
147	6	PCB-180/193	NotFnd	*	*	*	n	n	0.666
148	6	PCB-191	NotFnd	*	*	*	n	n	0.759
149	6	PCB-170	NotFnd	*	*	*	n	n	0.524
[illegible]	6	PCB-190	NotFnd	*	*	*	n	n	0.699
[illegible]	6	PCB-189	NotFnd	*	*	*	n	n	0.863
[illegible]									
[illegible]	6	PCB-202	NotFnd	*	*	*	n	n	0.863
[illegible]	6	PCB-201	NotFnd	*	*	*	n	n	1.375
[illegible]	6	PCB-204	NotFnd	*	*	*	n	n	1.323
[illegible]	6	PCB-197	NotFnd	*	*	*	n	n	1.282
[illegible]	6	PCB-200	NotFnd	*	*	*	n	n	1.320
[illegible]	6	PCB-198/199	NotFnd	*	*	*	n	n	0.857
[illegible]	6	PCB-196	NotFnd	*	*	*	n	n	0.867
[illegible]	6	PCB-203	NotFnd	*	*	*	n	n	0.915
[illegible]	6	PCB-195	NotFnd	*	*	*	n	n	0.774
[illegible]	6	PCB-194	NotFnd	*	*	*	n	n	0.763
162	6	PCB-205	NotFnd	*	*	*	n	n	0.889
163	6	PCB-208	NotFnd	*	*	*	n	n	0.880
164	6	PCB-207	NotFnd	*	*	*	n	n	1.335

Filename U142158 Acquired: 22-NOV-11 11:58:08

165	7	PCB-206	NotFnd	*	*	*	n	n	0.931
166	7	PCB-209	57:41	9.577e+01	8.056e+01	1.19	y	y	0.894
	1	PCB-1L	13:20	1.694e+04	5.605e+03	3.02	y	n	1.220
	1	PCB-3L	15:37	2.276e+04	7.288e+03	3.12	y	n	1.173
	1	PCB-4L	15:51	1.493e+04	9.664e+03	1.54	y	n	0.803
7	2	PCB-15L	21:55	2.116e+04	1.359e+04	1.56	y	n	0.962
17	2	PCB-19L	19:03	1.236e+04	1.212e+04	1.02	y	n	0.636
17	3	PCB-37L	29:03	1.857e+04	1.820e+04	1.02	y	n	1.144
17	2	PCB-54L	22:11	1.582e+04	2.006e+04	0.79	y	n	1.140
174	4	PCB-81L	35:50	1.381e+04	1.740e+04	0.79	y	n	0.947
175	4	PCB-77L	36:24	1.488e+04	1.867e+04	0.80	y	n	0.949
176	3	PCB-104L	27:46	2.639e+04	1.687e+04	1.56	y	n	1.397
177	5	PCB-123L	38:24	1.778e+04	1.137e+04	1.56	y	n	1.029
178	5	PCB-118L	38:44	1.824e+04	1.186e+04	1.54	y	n	1.077
179	5	PCB-114L	39:15	1.758e+04	1.110e+04	1.58	y	n	1.075
18	5	PCB-105L	39:54	1.708e+04	1.055e+04	1.62	y	n	1.013
181	5	PCB-126L	43:00	1.495e+04	9.660e+03	1.55	y	n	0.898
18	4	PCB-155L	33:29	2.586e+04	2.087e+04	1.24	y	n	1.637
18	6	PCB-167L	44:52	1.159e+04	9.110e+03	1.27	y	n	0.882
18	6	PCB-156/157L	46:01	2.205e+04	1.734e+04	1.27	y	n	0.818
18	6	PCB-169L	49:16	9.036e+03	7.231e+03	1.25	y	n	0.716
	5	PCB-188L	39:14	2.174e+04	2.070e+04	1.05	y	n	2.358
	6	PCB-189L	51:46	9.637e+03	9.363e+03	1.03	y	n	1.307
	6	PCB-202L	44:37	1.307e+04	1.456e+04	0.90	y	n	1.804
3	6	PCB-205L	54:20	8.223e+03	8.927e+03	0.92	y	n	1.363
19	6	PCB-208L	51:17	9.165e+03	1.142e+04	0.80	y	n	1.337
19	7	PCB-206L	56:04	5.509e+03	7.076e+03	0.78	y	n	0.998
19	7	PCB-209L	57:40	8.566e+03	7.141e+03	1.20	y	n	1.563
193	3	PCB-28L	24:58	2.296e+04	2.262e+04	1.02	y	n	1.387
194	4	PCB-111L	36:26	2.642e+04	1.730e+04	1.53	y	n	1.238
195	5	PCB-178L	42:17	1.497e+04	1.402e+04	1.07	y	n	0.953
196	2	PCB-9L	17:54	3.756e+04	2.433e+04	1.54	y	n	-
197	3	PCB-52L	26:49	2.633e+04	3.399e+04	0.77	y	n	-
198	4	PCB-101L	33:43	3.346e+04	2.162e+04	1.55	y	n	-
199	5	PCB-138L	41:51	2.442e+04	1.965e+04	1.24	y	n	-
200	6	PCB-194L	53:52	1.026e+04	1.140e+04	0.90	y	n	-

-- Sample Calculation--

```
                (9.577e+01 + 8.056e+01 ) x 10000 pg x 1
PCB-209  = ------------------------------------------------------------------------- = 1239 pg/L
                (8.566e+03 + 7.141e+03 ) x ( 1020      mL ) x (1L / 1000 mL) x    0.8938
```

1262 pg/L

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sp166respb
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
KC91-157L

Run #10 Filename U142158#1 Samp: 1 Inj: 1 Acquired: 22-NOV-11 11:58:08

Processed: 29-NOV-11 11:07:08 LAB. ID: E1101076-001

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.31e+03	*	*	9.96e+02	*
2	PCB-2	*	1.31e+03	*	*	9.96e+02	*
3	PCB-3	*	1.31e+03	*	*	9.96e+02	*
4	PCB-4	*	1.52e+03	*	*	7.63e+03	*
5	PCB-10	*	1.52e+03	*	*	7.63e+03	*
6	PCB-9	*	1.34e+03	*	*	8.14e+03	*
7	PCB-7	*	1.34e+03	*	*	8.14e+03	*
8	PCB-6	*	1.34e+03	*	*	8.14e+03	*
9	PCB-5	*	1.34e+03	*	*	8.14e+03	*
10	PCB-8	*	1.34e+03	*	*	8.14e+03	*
11	PCB-14	*	1.34e+03	*	*	8.14e+03	*
12	PCB-11	1.14e+05	1.34e+03	8.5e+01	7.83e+04	8.14e+03	9.6e+00
13	PCB-12/13	*	1.34e+03	*	*	8.14e+03	*
14	PCB-15	*	1.34e+03	*	*	8.14e+03	*
15	PCB-19	*	9.12e+02	*	*	9.12e+02	*
16	PCB-18/30	2.07e+04	9.12e+02	2.3e+01	1.76e+04	9.12e+02	1.9e+01
17	PCB-17	7.26e+03	9.12e+02	8.0e+00	6.88e+03	9.12e+02	7.5e+00
18	PCB-27	*	9.12e+02	*	*	9.12e+02	*
19	PCB-24	*	9.12e+02	*	*	9.12e+02	*
20	PCB-16	4.63e+03	9.12e+02	5.1e+00	5.92e+03	9.12e+02	6.5e+00
21	PCB-32	6.34e+03	9.12e+02	7.0e+00	6.31e+03	9.12e+02	6.9e+00
22	PCB-34	*	1.47e+03	*	*	1.38e+03	*
23	PCB-23	*	1.47e+03	*	*	1.38e+03	*
24	PCB-26/29	*	1.47e+03	*	*	1.38e+03	*
25	PCB-25	*	1.47e+03	*	*	1.38e+03	*
26	PCB-31	1.31e+04	1.47e+03	8.9e+00	1.58e+04	1.38e+03	1.2e+01
27	PCB-20/28	1.46e+04	1.47e+03	9.9e+00	1.40e+04	1.38e+03	1.0e+01
28	PCB-21/33	6.13e+03	1.47e+03	4.2e+00	8.83e+03	1.38e+03	6.4e+00
29	PCB-22	*	1.47e+03	*	*	1.38e+03	*
30	PCB-36	*	1.47e+03	*	*	1.38e+03	*
31	PCB-39	*	1.47e+03	*	*	1.38e+03	*
32	PCB-38	*	1.47e+03	*	*	1.38e+03	*
33	PCB-35	*	1.47e+03	*	*	1.38e+03	*
34	PCB-37	*	1.47e+03	*	*	1.38e+03	*
35	PCB-54	*	6.56e+02	*	*	8.88e+02	*
36	PCB-50/53	*	1.11e+03	*	*	1.18e+03	*
37	PCB-45/51	*	1.11e+03	*	*	1.18e+03	*
38	PCB-46	*	1.11e+03	*	*	1.18e+03	*
39	PCB-52	1.62e+04	1.11e+03	1.5e+01	2.26e+04	1.18e+03	1.9e+01
40	PCB-43/73	*	1.11e+03	*	*	1.18e+03	*
41	PCB-49/69	8.20e+03	1.11e+03	7.4e+00	6.46e+03	1.18e+03	5.5e+00
42	PCB-48	*	1.11e+03	*	*	1.18e+03	*
43	PCB-44/47/65	1.19e+04	1.11e+03	1.1e+01	1.91e+04	1.18e+03	1.6e+01
44	PCB-59/62/75	*	1.11e+03	*	*	1.18e+03	*
45	PCB-42	*	1.11e+03	*	*	1.18e+03	*
46	PCB-40/41/71	*	1.11e+03	*	*	1.18e+03	*
47	PCB-64	4.69e+03	1.11e+03	4.2e+00	8.20e+03	1.18e+03	6.9e+00

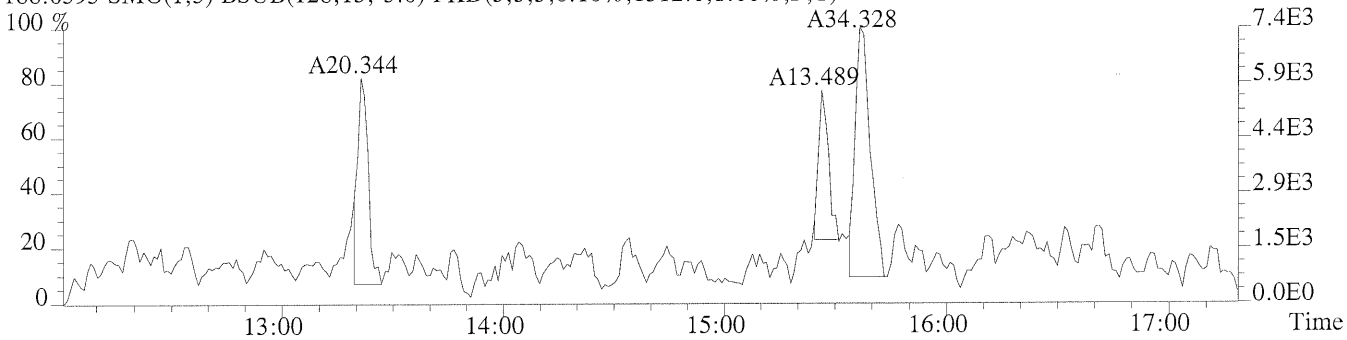
48	PCB-72	*	1.11e+03	*	*	1.18e+03	*
49	PCB-68	*	1.11e+03	*	*	1.18e+03	*
50	PCB-57	*	1.11e+03	*	*	1.18e+03	*
51	PCB-58	*	1.11e+03	*	*	1.18e+03	*
52	PCB-67	*	1.11e+03	*	*	1.18e+03	*
53	PCB-63	*	1.11e+03	*	*	1.18e+03	*
54	PCB-61/70/74/76	1.16e+04	1.11e+03	1.0e+01	1.56e+04	1.18e+03	1.3e+01
55	PCB-66	6.03e+03	1.11e+03	5.4e+00	6.76e+03	1.18e+03	5.7e+00
56	PCB-55	*	1.11e+03	*	*	1.18e+03	*
57	PCB-56	*	6.68e+02	*	*	7.84e+02	*
58	PCB-60	*	6.68e+02	*	*	7.84e+02	*
59	PCB-80	*	6.68e+02	*	*	7.84e+02	*
60	PCB-79	*	6.68e+02	*	*	7.84e+02	*
61	PCB-78	*	6.68e+02	*	*	7.84e+02	*
62	PCB-81	*	6.68e+02	*	*	7.84e+02	*
63	PCB-77	*	6.68e+02	*	*	7.84e+02	*
64	PCB-104	*	1.05e+03	*	*	1.15e+03	*
65	PCB-96	*	1.05e+03	*	*	1.15e+03	*
66	PCB-103	*	1.05e+03	*	*	1.15e+03	*
67	PCB-94	*	1.05e+03	*	*	1.15e+03	*
68	PCB-95	1.58e+04	1.05e+03	1.5e+01	9.15e+03	1.15e+03	8.0e+00
69	PCB-93/100	*	1.05e+03	*	*	1.15e+03	*
70	PCB-98/102	*	1.05e+03	*	*	1.15e+03	*
71	PCB-88/91	*	1.05e+03	*	*	1.15e+03	*
72	PCB-84	*	1.05e+03	*	*	1.15e+03	*
73	PCB-89	*	1.05e+03	*	*	1.15e+03	*
74	PCB-121	*	5.76e+02	*	*	9.72e+02	*
75	PCB-92	*	5.76e+02	*	*	9.72e+02	*
76	PCB-90/101/113	2.43e+04	5.76e+02	4.2e+01	1.13e+04	9.72e+02	1.2e+01
77	PCB-83/99	7.94e+03	5.76e+02	1.4e+01	4.76e+03	9.72e+02	4.9e+00
78	PCB-112	*	5.76e+02	*	*	9.72e+02	*
79	PCB-86/87/97/109/119/125	8.95e+03	5.76e+02	1.6e+01	5.88e+03	9.72e+02	6.0e+00
80	PCB-117	*	5.76e+02	*	*	9.72e+02	*
81	PCB-85/116	*	5.76e+02	*	*	9.72e+02	*
82	PCB-110/115	2.33e+04	5.76e+02	4.0e+01	1.36e+04	9.72e+02	1.4e+01
83	PCB-82	*	5.76e+02	*	*	9.72e+02	*
84	PCB-111	*	5.76e+02	*	*	9.72e+02	*
85	PCB-120	*	5.76e+02	*	*	9.72e+02	*
86	PCB-108/124	*	8.20e+02	*	*	9.88e+02	*
87	PCB-107	*	8.20e+02	*	*	9.88e+02	*
88	PCB-123	*	8.20e+02	*	*	9.88e+02	*
89	PCB-106	*	8.20e+02	*	*	9.88e+02	*
90	PCB-118	1.82e+04	8.20e+02	2.2e+01	1.10e+04	9.88e+02	1.1e+01
91	PCB-122	*	8.20e+02	*	*	9.88e+02	*
92	PCB-114	*	8.20e+02	*	*	9.88e+02	*
93	PCB-105	*	8.20e+02	*	*	9.88e+02	*
94	PCB-127	*	8.20e+02	*	*	9.88e+02	*
95	PCB-126	*	8.20e+02	*	*	9.88e+02	*
96	PCB-155	*	7.52e+02	*	*	6.60e+02	*
97	PCB-152	*	7.52e+02	*	*	6.60e+02	*
98	PCB-150	*	7.52e+02	*	*	6.60e+02	*
99	PCB-136	*	7.52e+02	*	*	6.60e+02	*
100	PCB-145	*	7.52e+02	*	*	6.60e+02	*
101	PCB-148	*	7.52e+02	*	*	6.60e+02	*
102	PCB-135/151	*	7.52e+02	*	*	6.60e+02	*
103	PCB-154	*	7.52e+02	*	*	6.60e+02	*
104	PCB-144	*	7.52e+02	*	*	6.60e+02	*

[illegible]	PCB-147/149	1.02e+04	9.24e+02	1.1e+01	6.98e+03	8.40e+02	8.3e+00
106	PCB-134	*	9.24e+02	*	*	8.40e+02	*
107	PCB-143	*	9.24e+02	*	*	8.40e+02	*
108	PCB-139/140	*	9.24e+02	*	*	8.40e+02	*
109	PCB-131	*	9.24e+02	*	*	8.40e+02	*
110	PCB-142	*	9.24e+02	*	*	8.40e+02	*
[illegible]	PCB-132	*	9.24e+02	*	*	8.40e+02	*
[illegible]	PCB-133	*	9.24e+02	*	*	8.40e+02	*
[illegible]	PCB-165	*	9.24e+02	*	*	8.40e+02	*
[illegible]	PCB-146	*	9.24e+02	*	*	8.40e+02	*
[illegible]	PCB-161	*	9.24e+02	*	*	8.40e+02	*
[illegible]	PCB-153/168	1.01e+04	9.24e+02	1.1e+01	7.12e+03	8.40e+02	8.5e+00
[illegible]	PCB-141	*	9.24e+02	*	*	8.40e+02	*
[illegible]	PCB-130	*	9.24e+02	*	*	8.40e+02	*
119	PCB-137	*	9.24e+02	*	*	8.40e+02	*
120	PCB-164	*	9.24e+02	*	*	8.40e+02	*
121	PCB-129/138/163	1.43e+04	9.24e+02	1.5e+01	8.24e+03	8.40e+02	9.8e+00
122	PCB-160	*	9.24e+02	*	*	8.40e+02	*
123	PCB-158	*	9.24e+02	*	*	8.40e+02	*
124	PCB-128/166	*	9.24e+02	*	*	8.40e+02	*
125	PCB-159	*	1.20e+03	*	*	6.48e+02	*
[illegible]	PCB-162	*	1.20e+03	*	*	6.48e+02	*
[illegible]	PCB-167	*	1.20e+03	*	*	6.48e+02	*
[illegible]	PCB-156/157	*	1.20e+03	*	*	6.48e+02	*
[illegible]	PCB-169	*	1.20e+03	*	*	6.48e+02	*
[illegible]	PCB-188	*	8.68e+02	*	*	6.84e+02	*
[illegible]	PCB-179	*	8.68e+02	*	*	6.84e+02	*
[illegible]	PCB-184	*	8.68e+02	*	*	6.84e+02	*
[illegible]	PCB-176	*	8.68e+02	*	*	6.84e+02	*
[illegible]	PCB-186	*	8.68e+02	*	*	6.84e+02	*
[illegible]	PCB-178	*	8.68e+02	*	*	6.84e+02	*
[illegible]	PCB-175	*	8.68e+02	*	*	6.84e+02	*
137	PCB-187	*	8.68e+02	*	*	6.84e+02	*
138	PCB-182	*	8.68e+02	*	*	6.84e+02	*
139	PCB-183	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-185	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-174	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-177	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-181	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-171/173	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-172	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-192	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-180/193	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-191	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-170	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-190	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-189	*	1.04e+03	*	*	9.88e+02	*
[illegible]	PCB-202	*	7.56e+02	*	*	8.72e+02	*
[illegible]	PCB-201	*	7.56e+02	*	*	8.72e+02	*
[illegible]	PCB-204	*	7.56e+02	*	*	8.72e+02	*
155	PCB-197	*	7.56e+02	*	*	8.72e+02	*
[illegible]	PCB-200	*	7.56e+02	*	*	8.72e+02	*
157	PCB-198/199	*	7.56e+02	*	*	8.72e+02	*
158	PCB-196	*	7.56e+02	*	*	8.72e+02	*
[illegible]	PCB-203	*	7.56e+02	*	*	8.72e+02	*
[illegible]	PCB-195	*	7.56e+02	*	*	8.72e+02	*
[illegible]	PCB-194	*	7.56e+02	*	*	8.72e+02	*
[illegible]	PCB-205	*	7.56e+02	*	*	8.72e+02	*

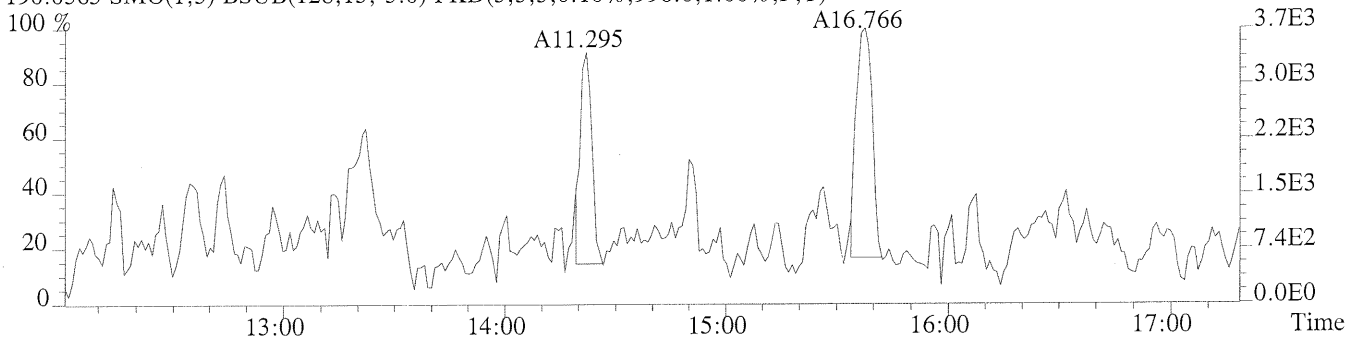
PCB-208	*	8.32e+02	*	*	8.48e+02	*
PCB-207	*	8.32e+02	*	*	8.48e+02	*
PCB-206	*	7.72e+02	*	*	8.60e+02	*
PCB-209	1.47e+04	8.20e+02	1.8e+01	1.25e+04	6.48e+02	1.9e+01
PCB-1L	4.09e+06	1.70e+03	2.4e+03	1.38e+06	2.26e+04	6.1e+01
PCB-3L	4.20e+06	1.70e+03	2.5e+03	1.36e+06	2.26e+04	6.0e+01
PCB-4L	3.17e+06	1.60e+03	2.0e+03	2.06e+06	1.70e+03	1.2e+03
PCB-15L	3.61e+06	1.54e+03	2.3e+03	2.34e+06	1.66e+03	1.4e+03
PCB-19L	2.54e+06	9.77e+03	2.6e+02	2.51e+06	6.27e+03	4.0e+02
PCB-37L	2.82e+06	1.57e+04	1.8e+02	2.76e+06	7.40e+03	3.7e+02
PCB-54L	3.21e+06	1.43e+03	2.2e+03	4.09e+06	9.00e+02	4.5e+03
PCB-81L	2.11e+06	1.44e+03	1.5e+03	2.68e+06	8.80e+02	3.0e+03
PCB-77L	2.13e+06	1.44e+03	1.5e+03	2.68e+06	8.80e+02	3.0e+03
PCB-104L	4.72e+06	1.00e+03	4.7e+03	3.01e+06	1.14e+03	2.6e+03
PCB-123L	3.01e+06	8.78e+03	3.4e+02	1.95e+06	5.60e+03	3.5e+02
PCB-118L	3.11e+06	8.78e+03	3.5e+02	1.93e+06	5.60e+03	3.4e+02
PCB-114L	2.89e+06	8.78e+03	3.3e+02	1.83e+06	5.60e+03	3.3e+02
PCB-105L	2.76e+06	8.78e+03	3.1e+02	1.70e+06	5.60e+03	3.0e+02
PCB-126L	2.29e+06	8.78e+03	2.6e+02	1.48e+06	5.60e+03	2.6e+02
PCB-155L	4.50e+06	1.26e+03	3.6e+03	3.66e+06	1.41e+03	2.6e+03
PCB-167L	2.38e+06	1.49e+03	1.6e+03	1.87e+06	1.19e+03	1.6e+03
PCB-156/157L	3.45e+06	1.49e+03	2.3e+03	2.72e+06	1.19e+03	2.3e+03
PCB-169L	1.73e+06	1.49e+03	1.2e+03	1.38e+06	1.19e+03	1.2e+03
PCB-188L	3.73e+06	6.08e+02	6.1e+03	3.51e+06	6.52e+02	5.4e+03
PCB-189L	1.89e+06	1.28e+03	1.5e+03	1.86e+06	9.12e+02	2.0e+03
PCB-202L	2.70e+06	6.96e+02	3.9e+03	3.04e+06	1.27e+03	2.4e+03
PCB-205L	1.68e+06	6.96e+02	2.4e+03	1.87e+06	1.27e+03	1.5e+03
PCB-208L	1.87e+06	8.32e+02	2.2e+03	2.32e+06	8.68e+02	2.7e+03
PCB-206L	1.00e+06	1.11e+03	9.0e+02	1.30e+06	9.76e+02	1.3e+03
PCB-209L	1.49e+06	7.08e+02	2.1e+03	1.24e+06	6.68e+02	1.9e+03
PCB-28L	3.91e+06	1.57e+04	2.5e+02	3.81e+06	7.40e+03	5.2e+02
PCB-111L	4.50e+06	2.17e+03	2.1e+03	2.94e+06	2.98e+03	9.9e+02
PCB-178L	2.52e+06	6.08e+02	4.1e+03	2.40e+06	6.52e+02	3.7e+03
PCB-9L	7.75e+06	1.54e+03	5.0e+03	5.04e+06	1.66e+03	3.0e+03
PCB-52L	4.64e+06	1.57e+03	3.0e+03	5.99e+06	1.00e+03	6.0e+03
PCB-101L	5.70e+06	2.17e+03	2.6e+03	3.70e+06	2.98e+03	1.2e+03
PCB-138L	4.09e+06	1.05e+03	3.9e+03	3.27e+06	7.96e+02	4.1e+03
PCB-194L	2.11e+06	6.96e+02	3.0e+03	2.33e+06	1.27e+03	1.8e+03

File:U142158 #1-341 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

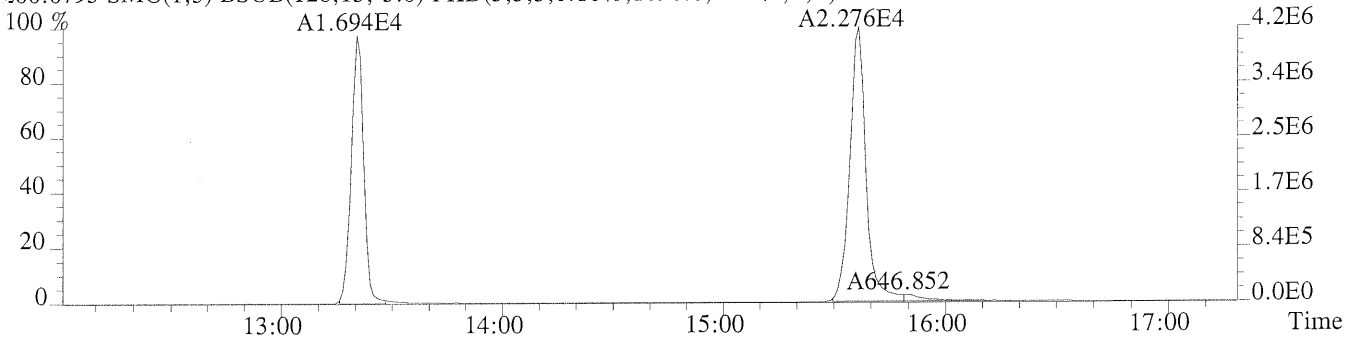
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1312.0,1.00%,F,T)



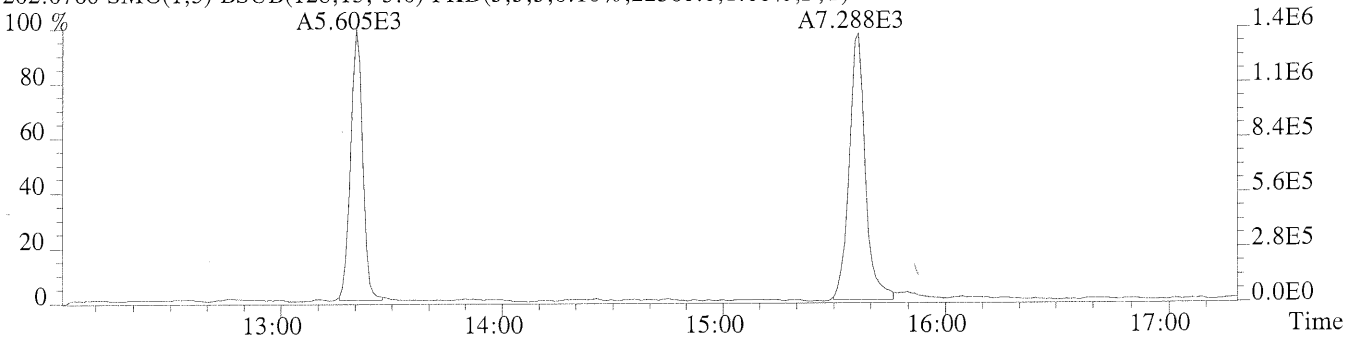
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)



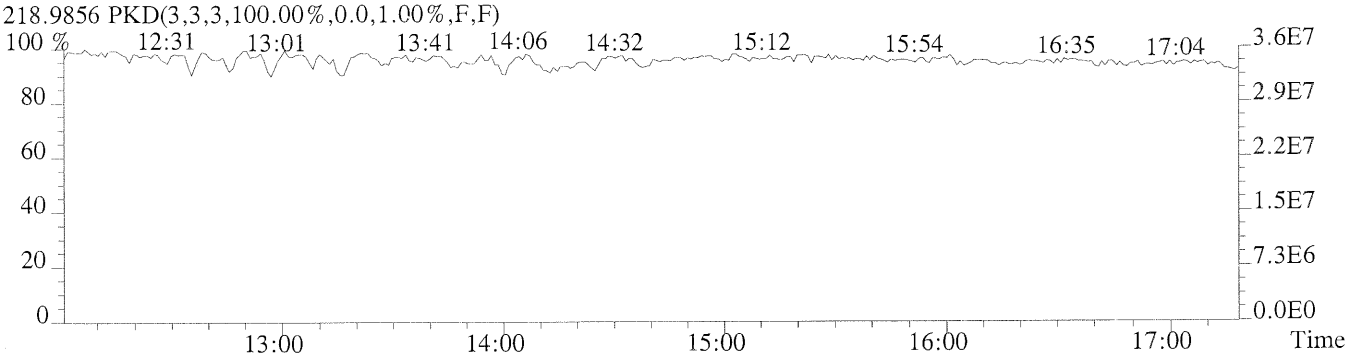
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1696.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,22560.0,1.00%,F,T)

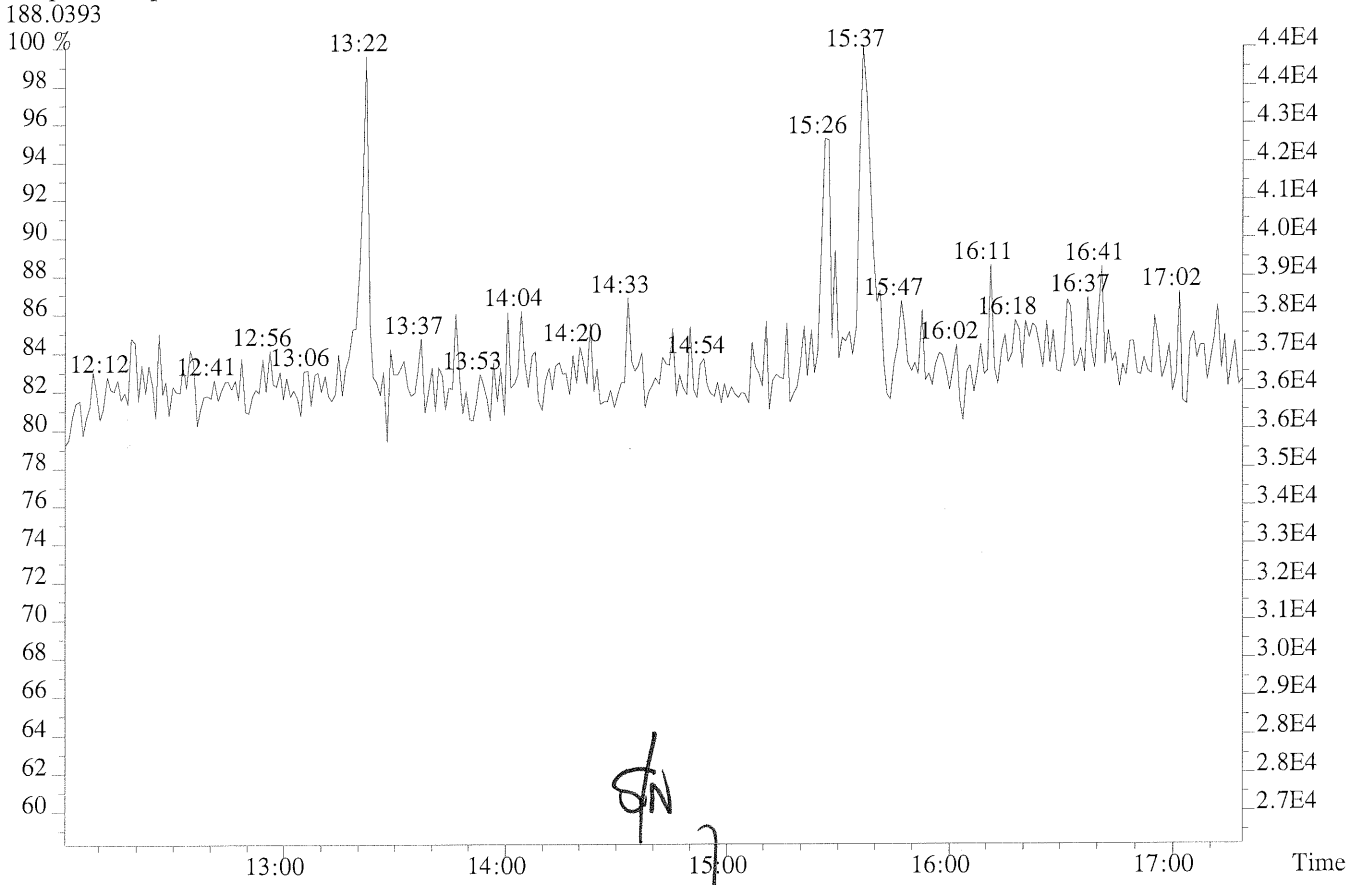


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

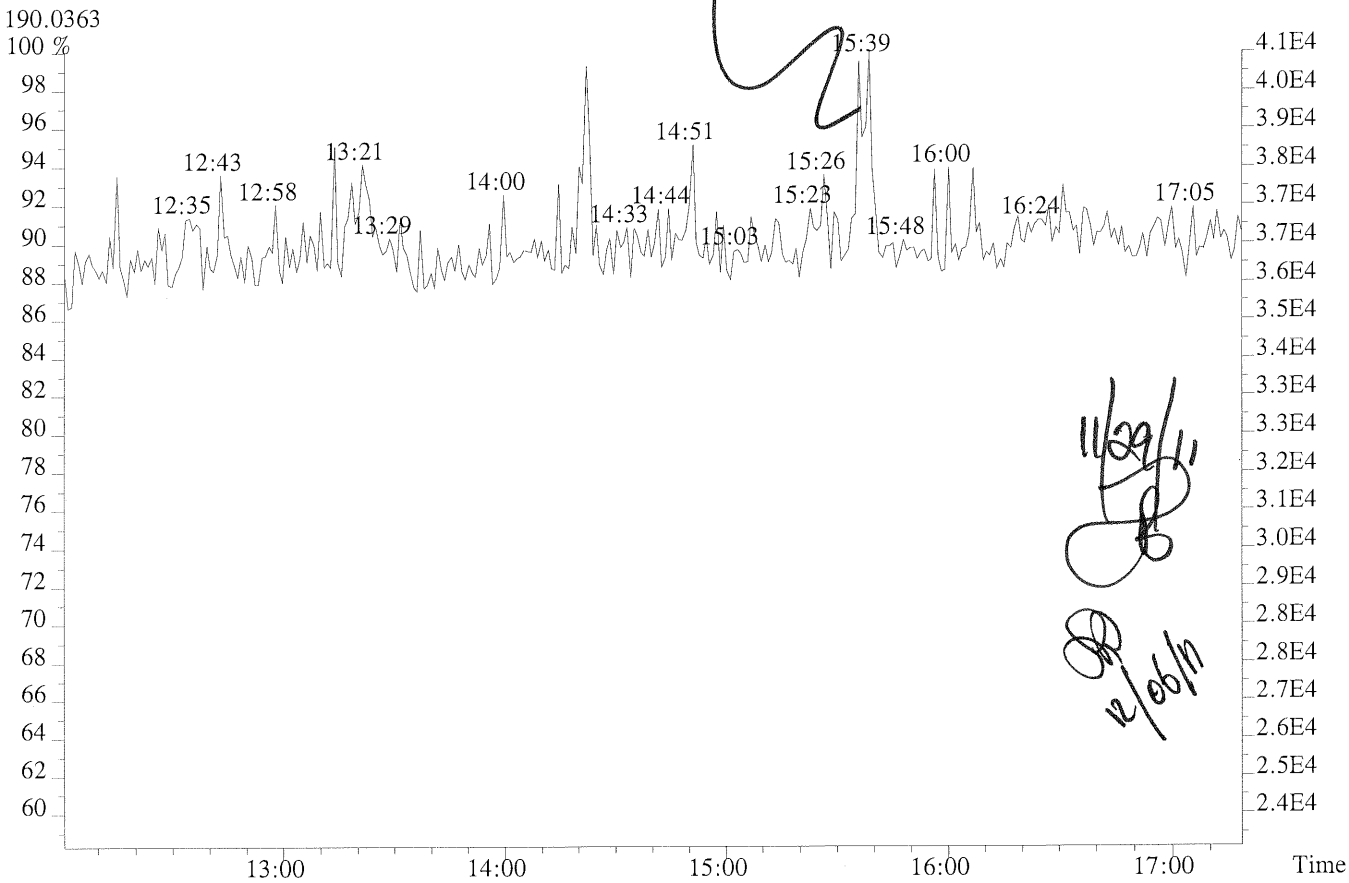


File:U142158 #1-341 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

188.0393

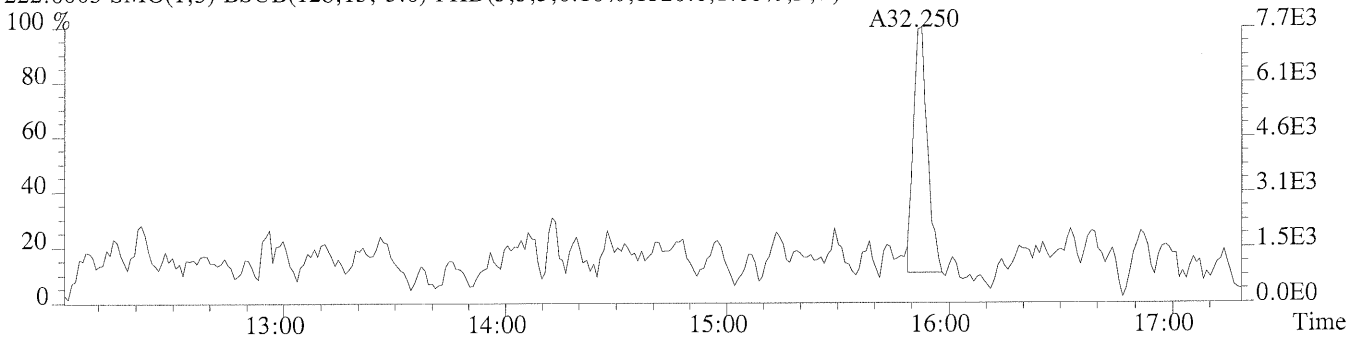


190.0363

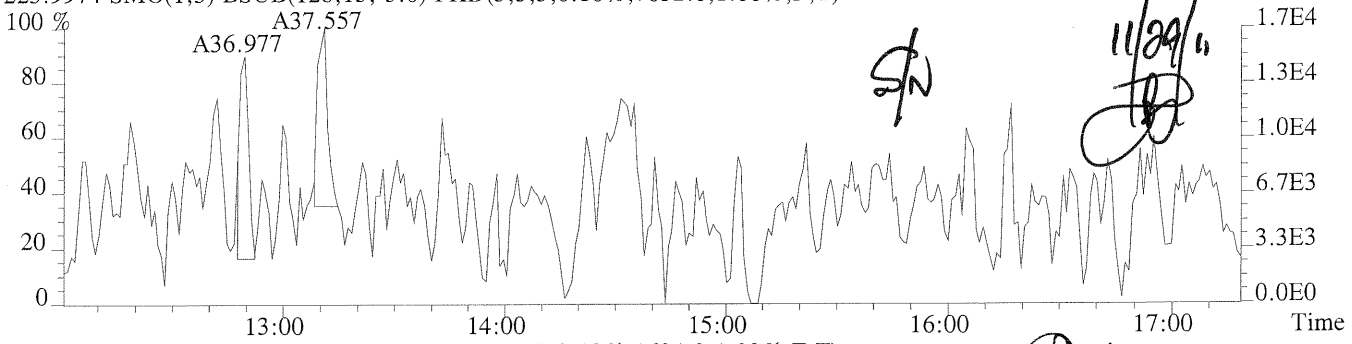


File:U142158 #1-341 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1520.0,1.00%,F,T)



223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7632.0,1.00%,F,T)



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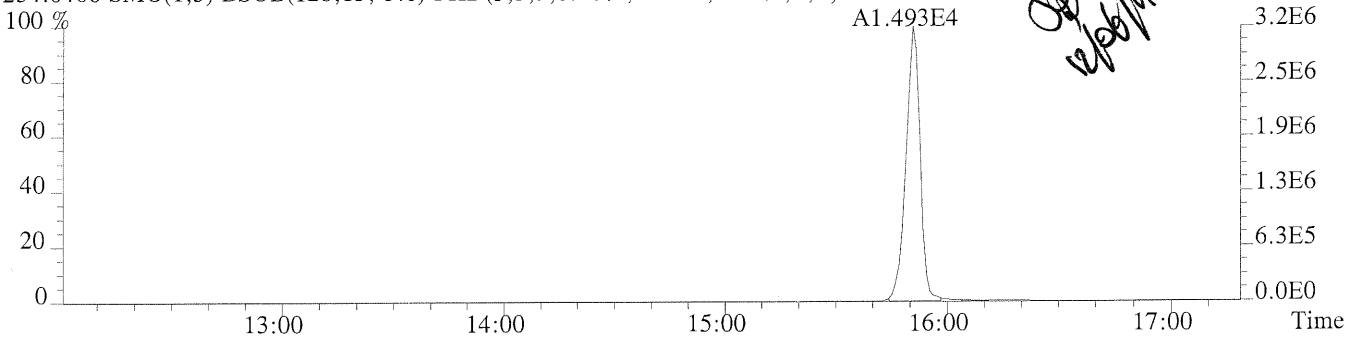
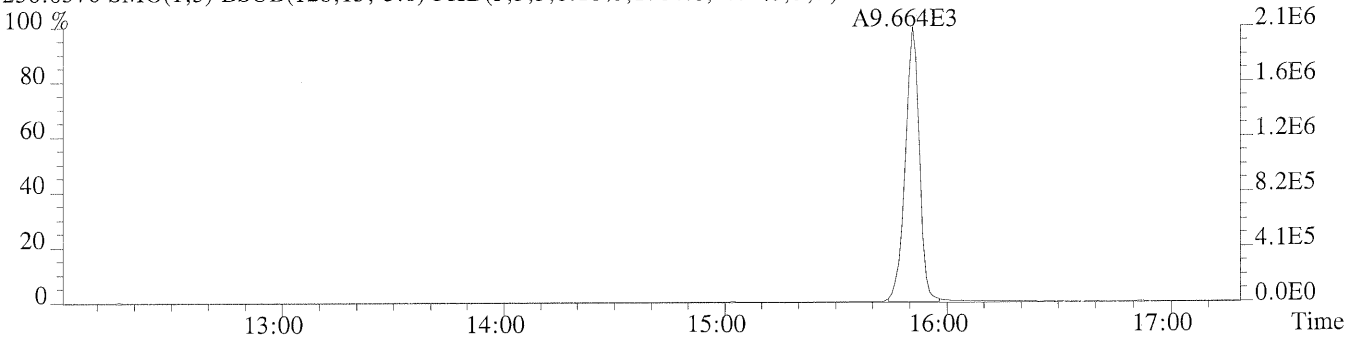
11/29/11

234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1604.0,1.00%,F,T)

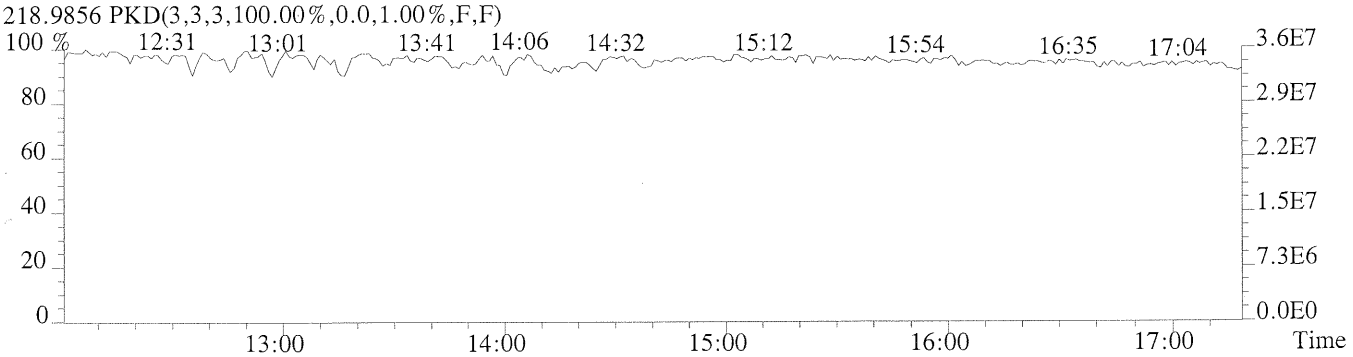


12/06/11

236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1704.0,1.00%,F,T)

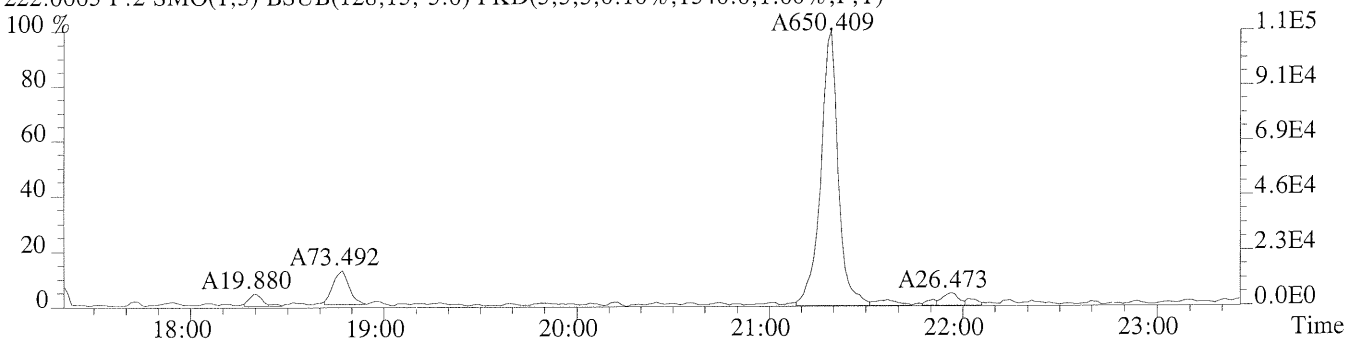


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

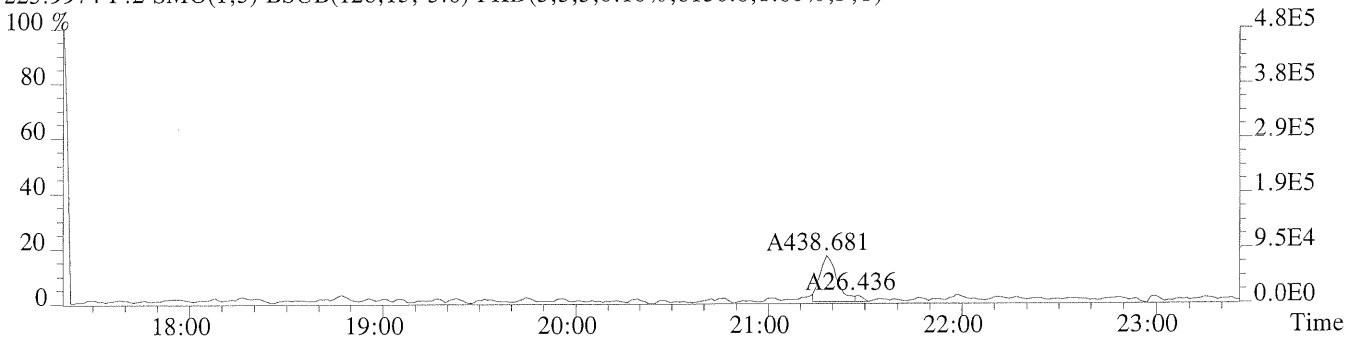


File:U142158 #1-336 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

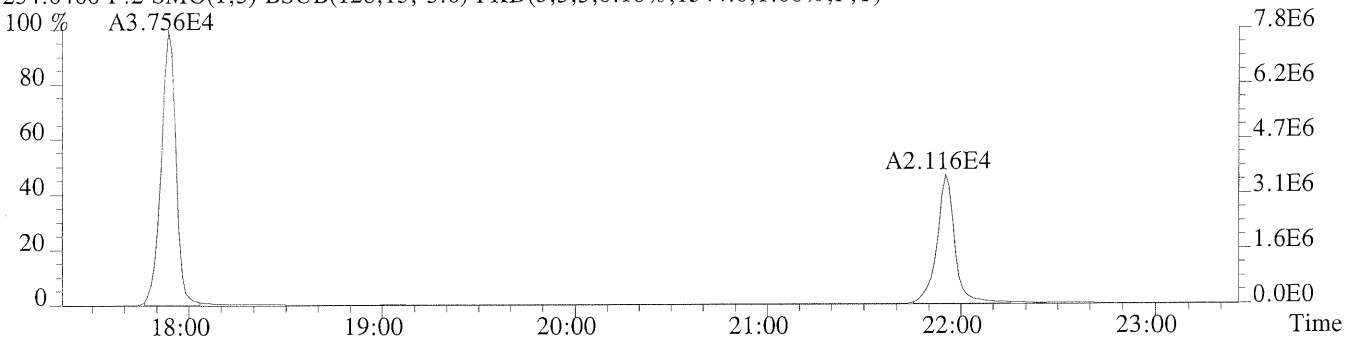
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1340.0,1.00%,F,T)



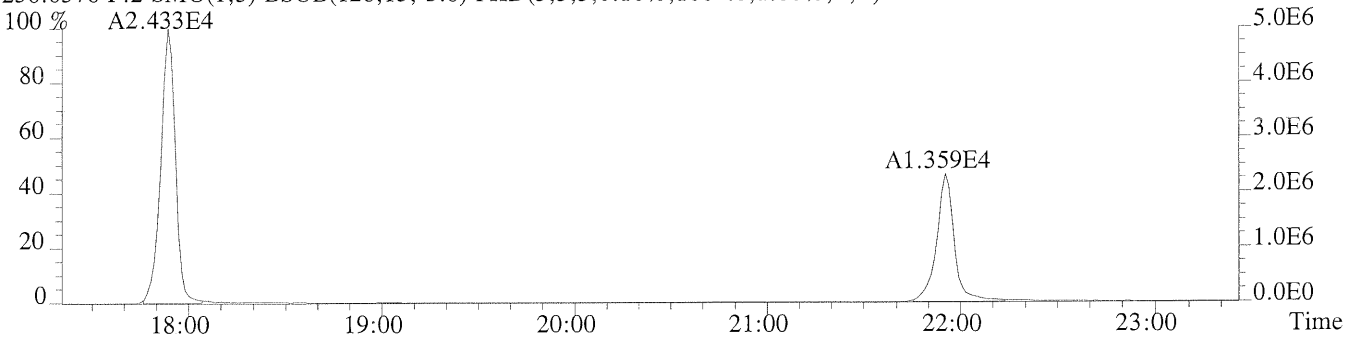
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8136.0,1.00%,F,T)



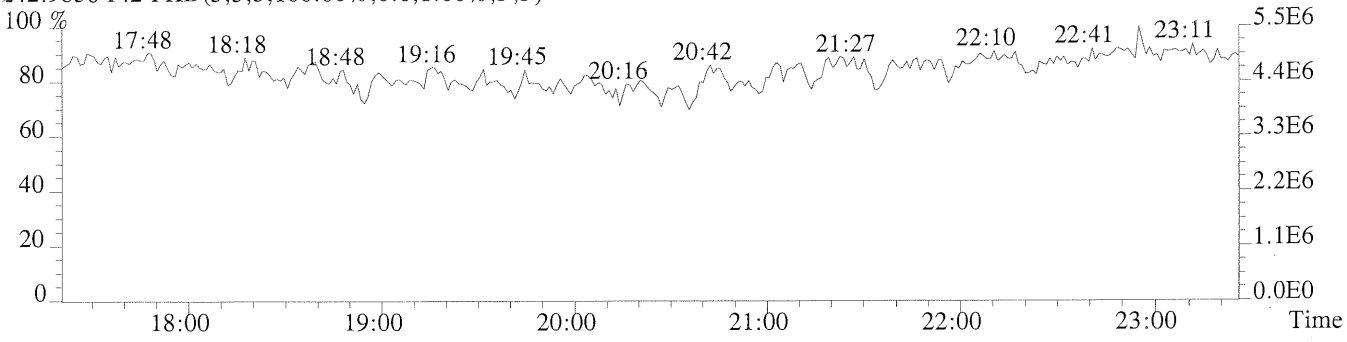
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1544.0,1.00%,F,T)



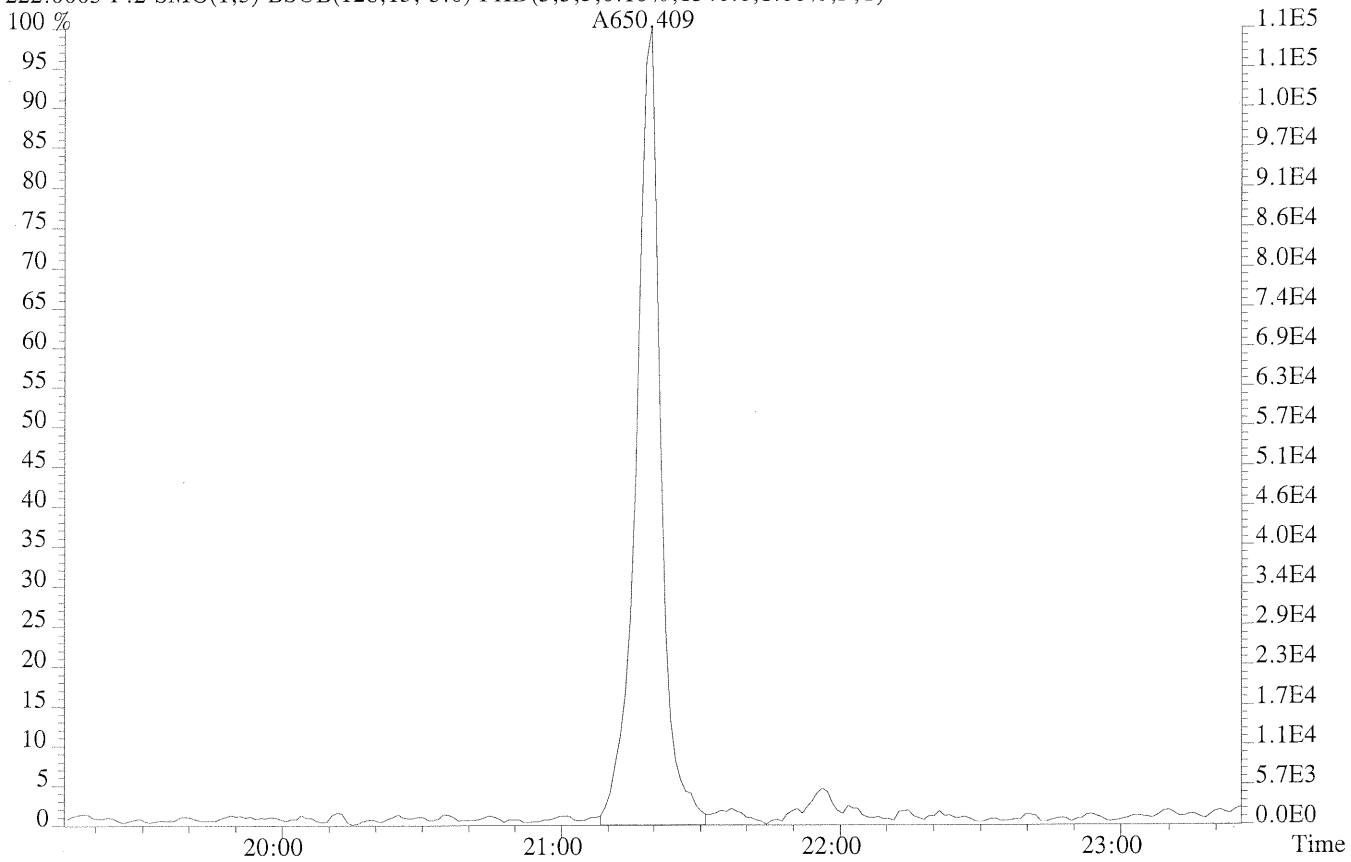
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1664.0,1.00%,F,T)



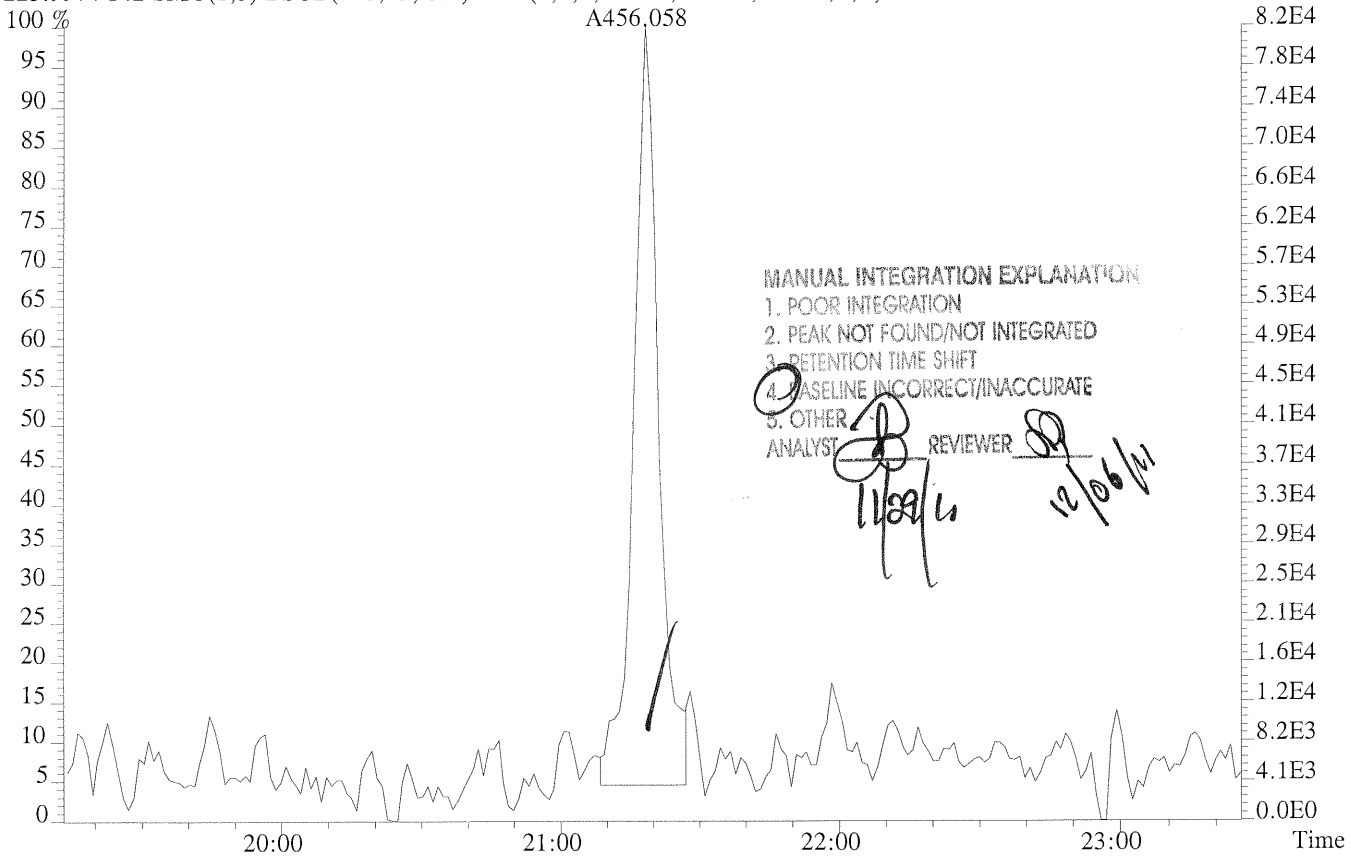
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142158 #1-336 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1340.0,1.00%,F,T)

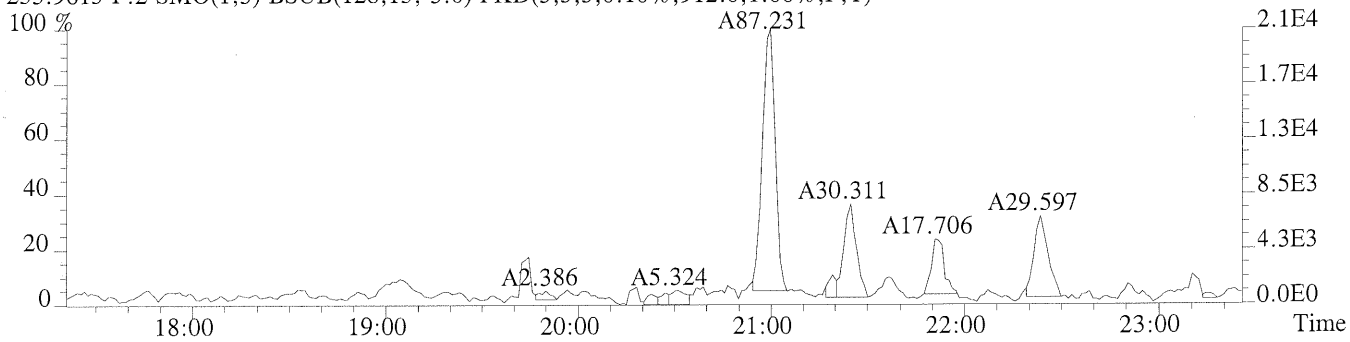


223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8136.0,1.00%,F,T)

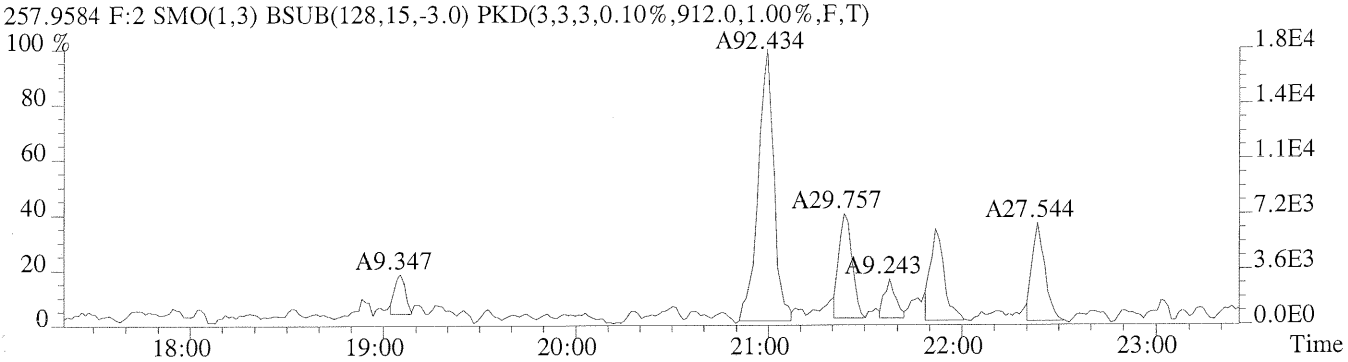


File:U142158 #1-336 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

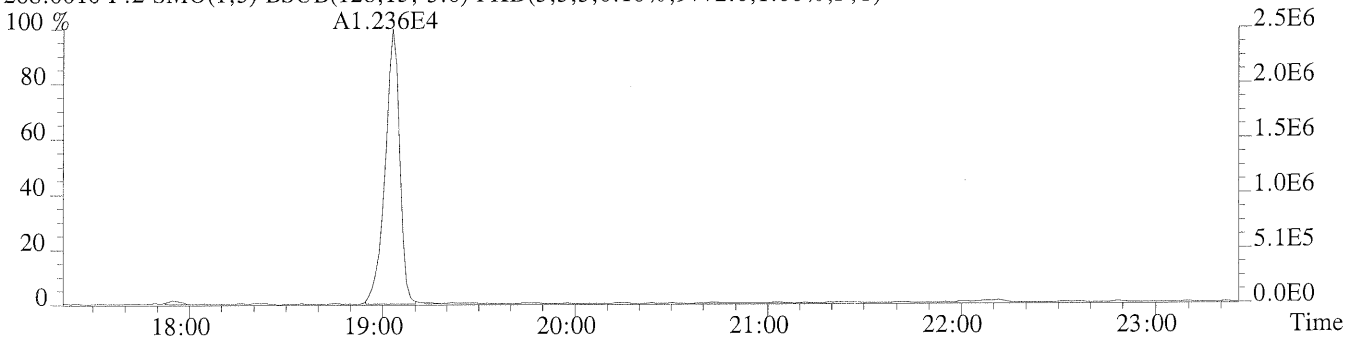
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



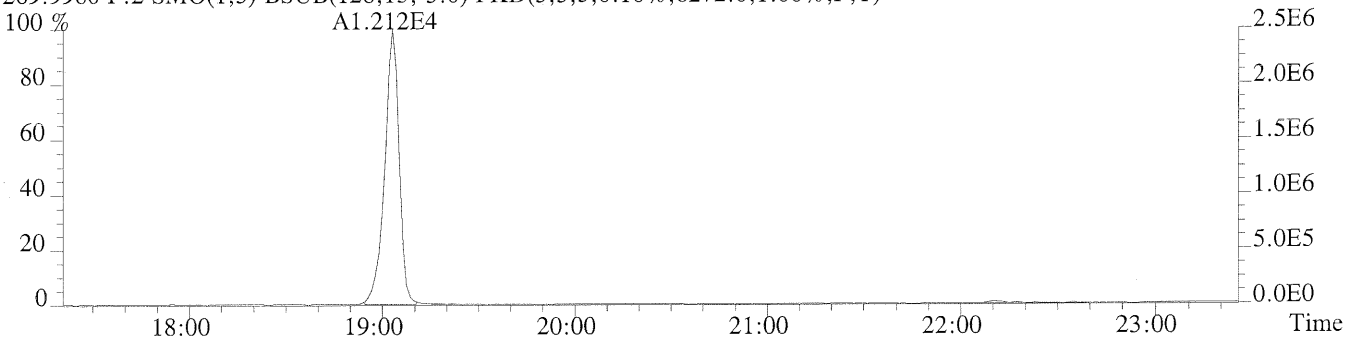
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



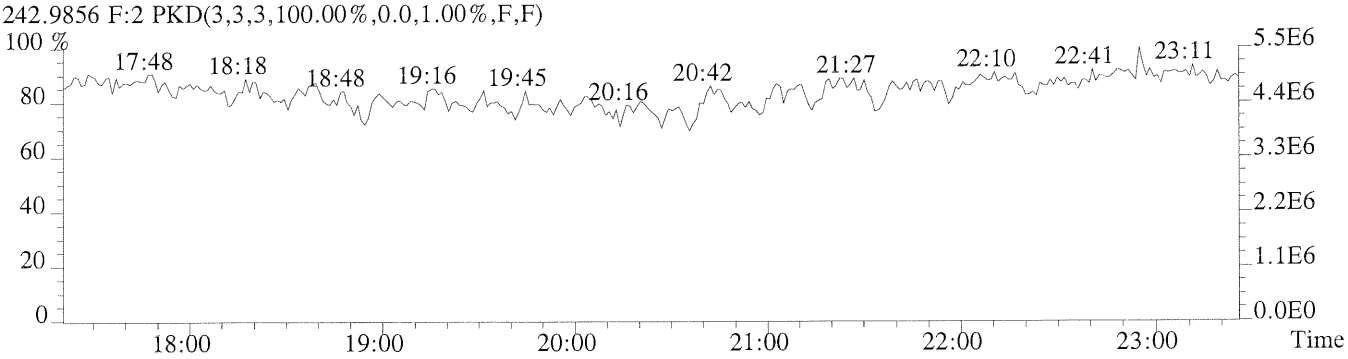
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9772.0,1.00%,F,T)



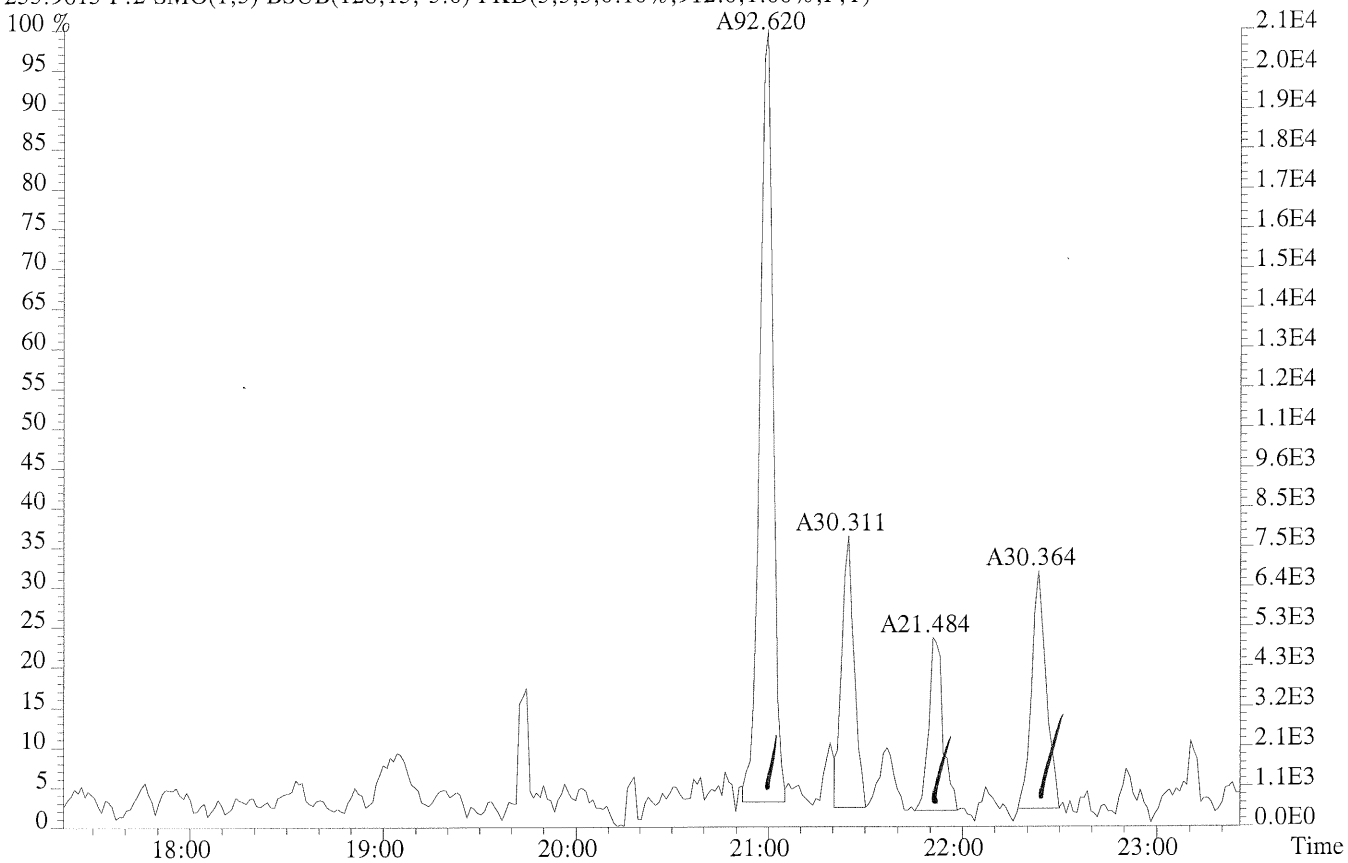
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6272.0,1.00%,F,T)



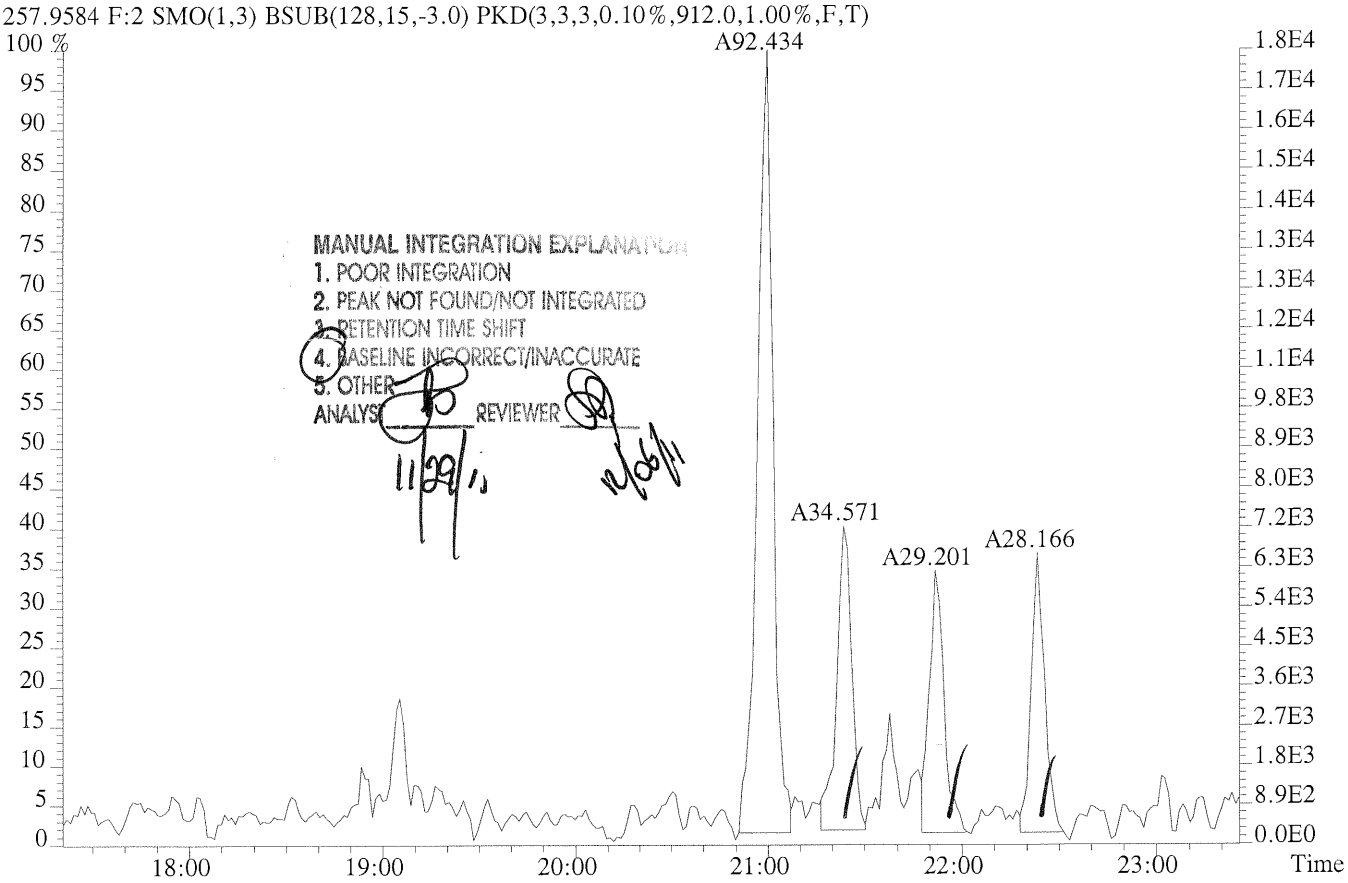
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142158 #1-336 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



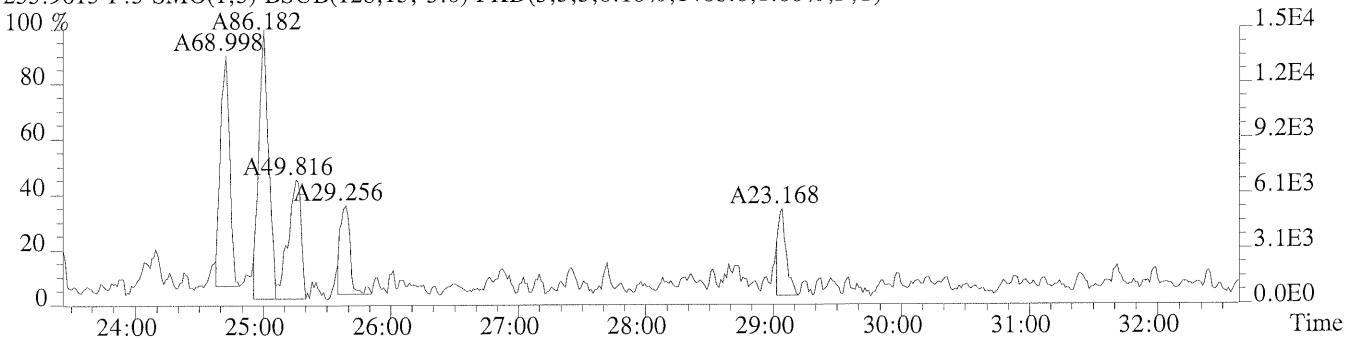
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



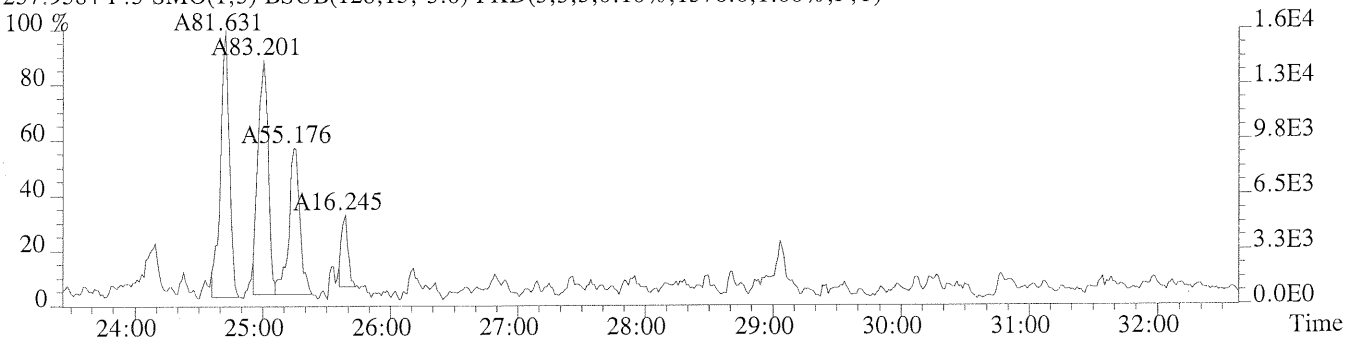
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST REVIEWER
11/29/11 12/06/11

File:U142158 #1-588 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

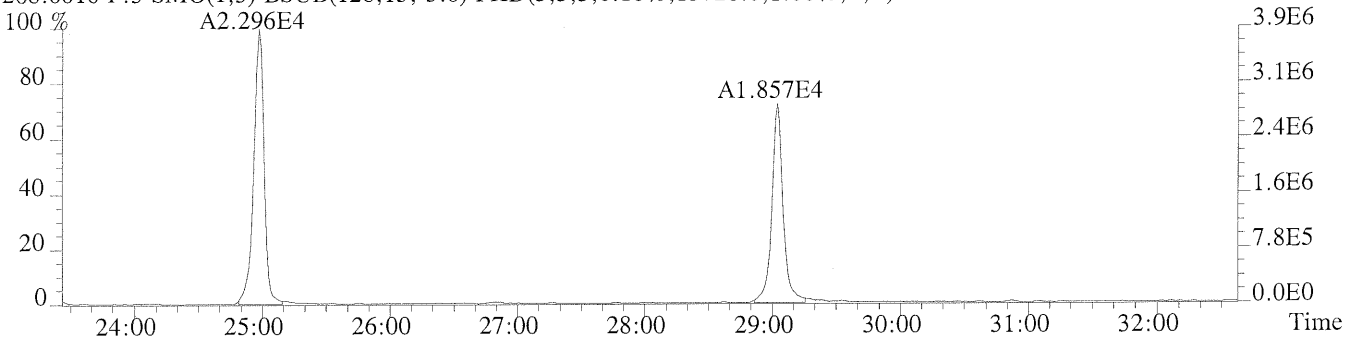
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1468.0,1.00%,F,T)



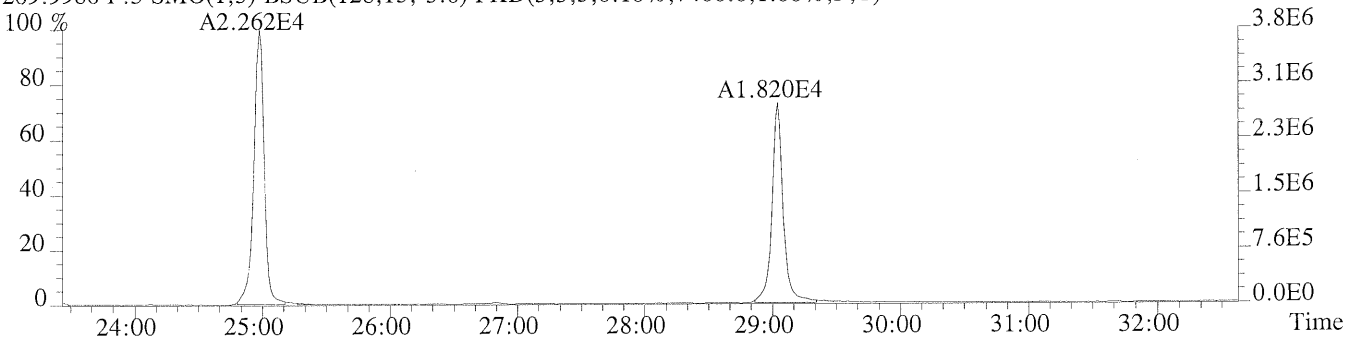
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1376.0,1.00%,F,T)



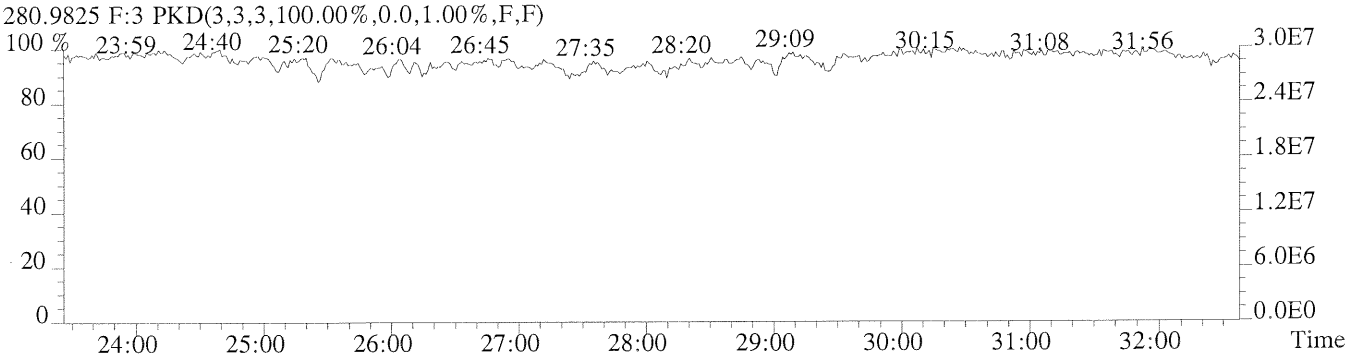
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,15728.0,1.00%,F,T)



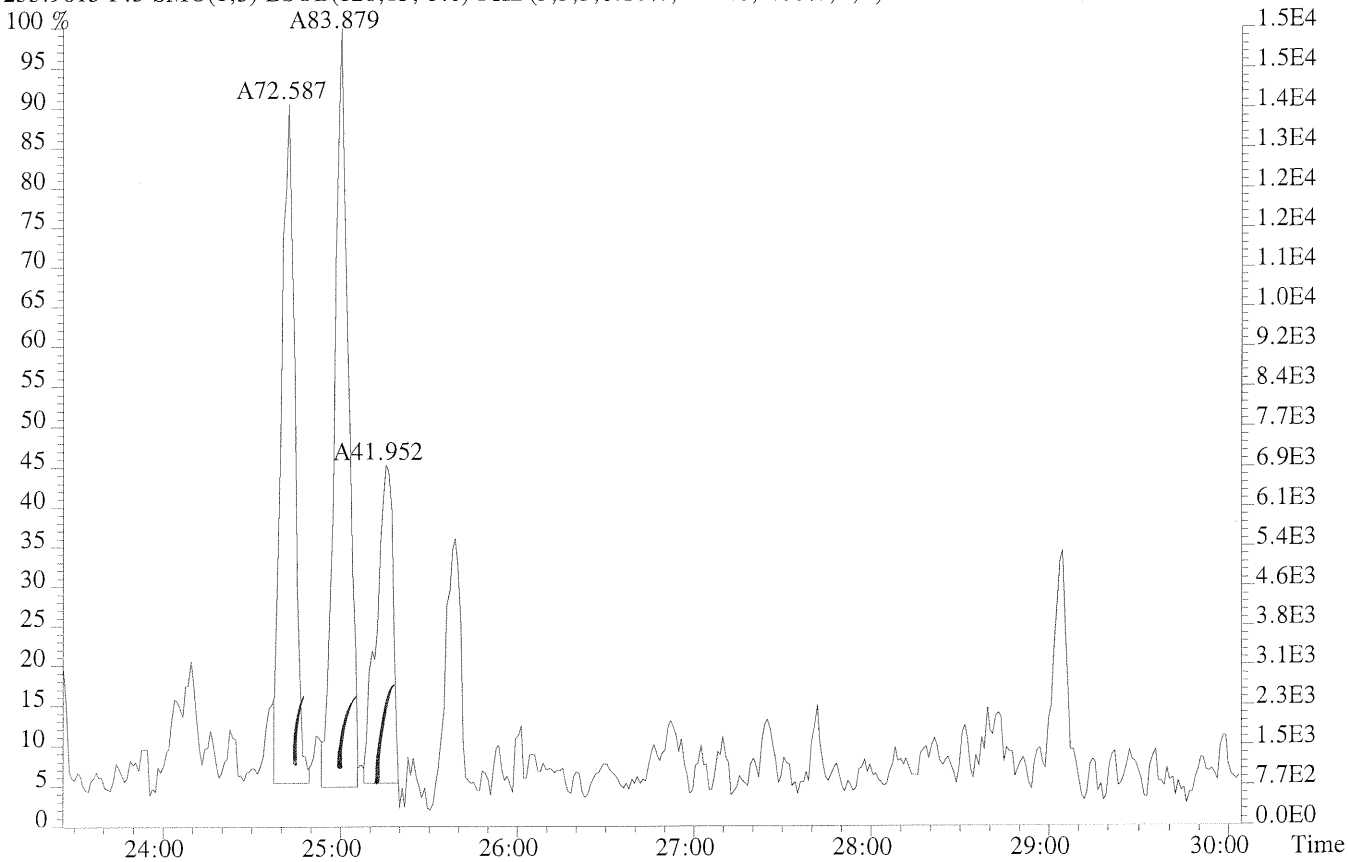
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7400.0,1.00%,F,T)



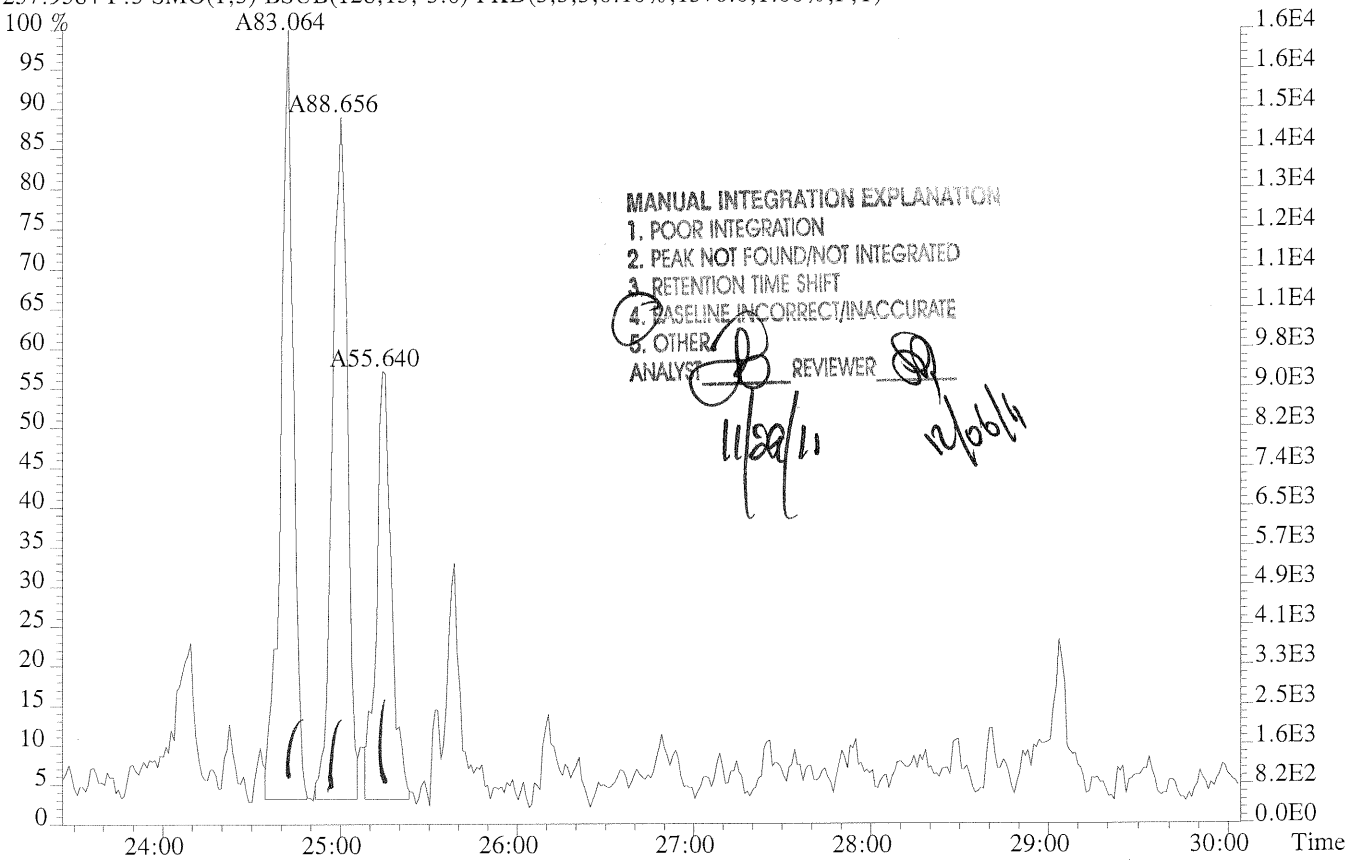
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142158 #1-588 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1468.0,1.00%,F,T)



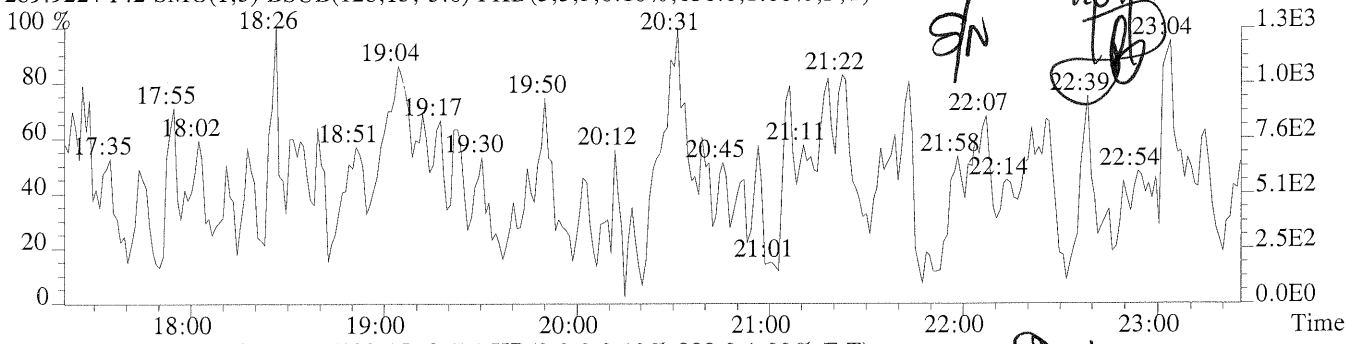
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1376.0,1.00%,F,T)



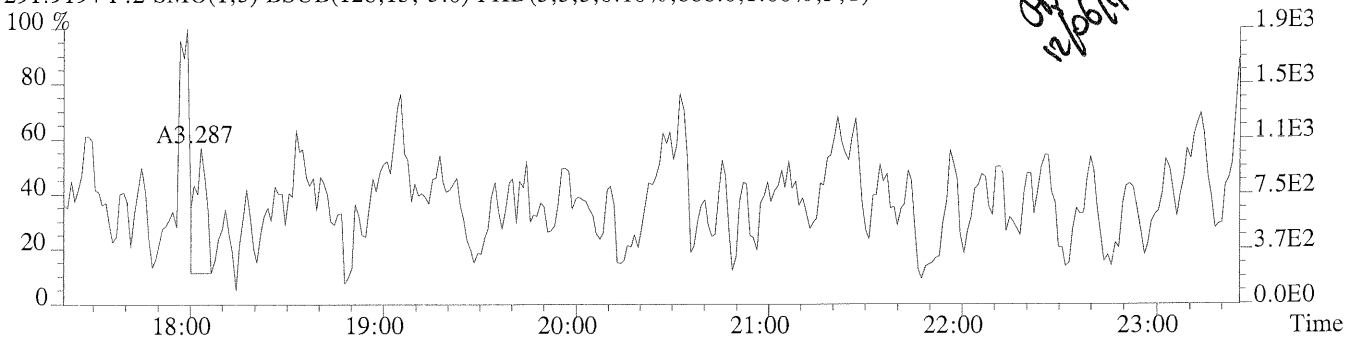
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ____ REVIEWER ____
11/22/11 12/06/11

File:U142158 #1-336 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

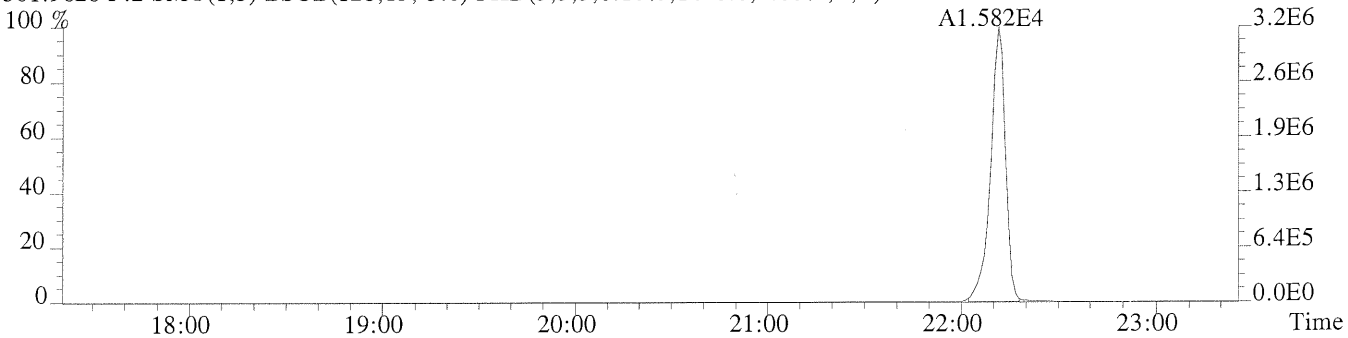
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,656.0,1.00%,F,T)



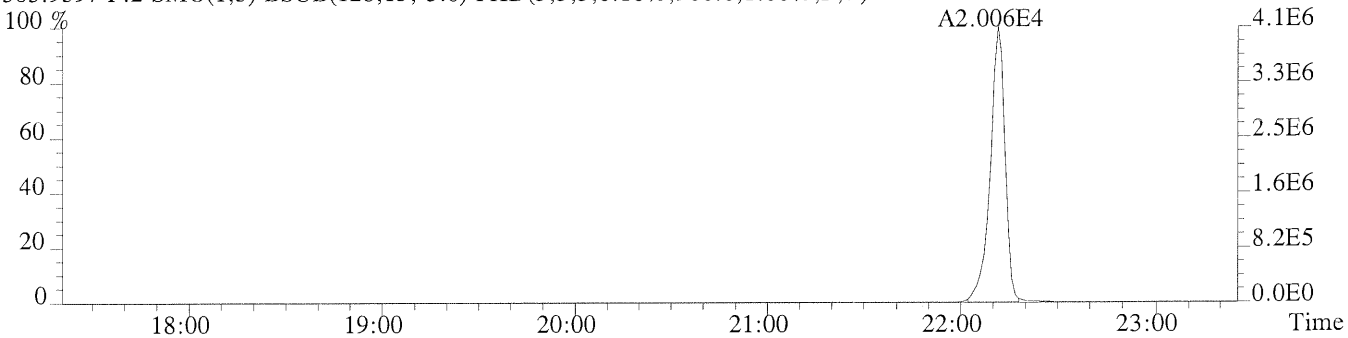
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,888.0,1.00%,F,T)



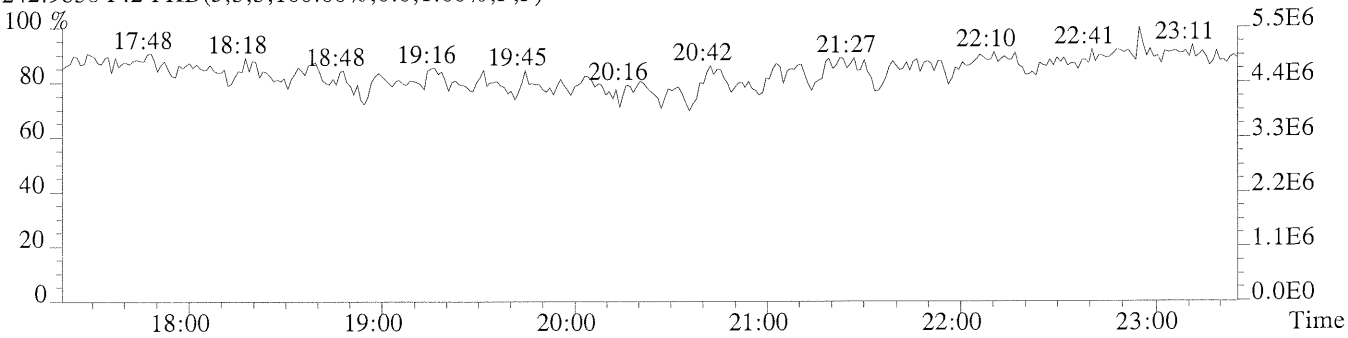
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1428.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)

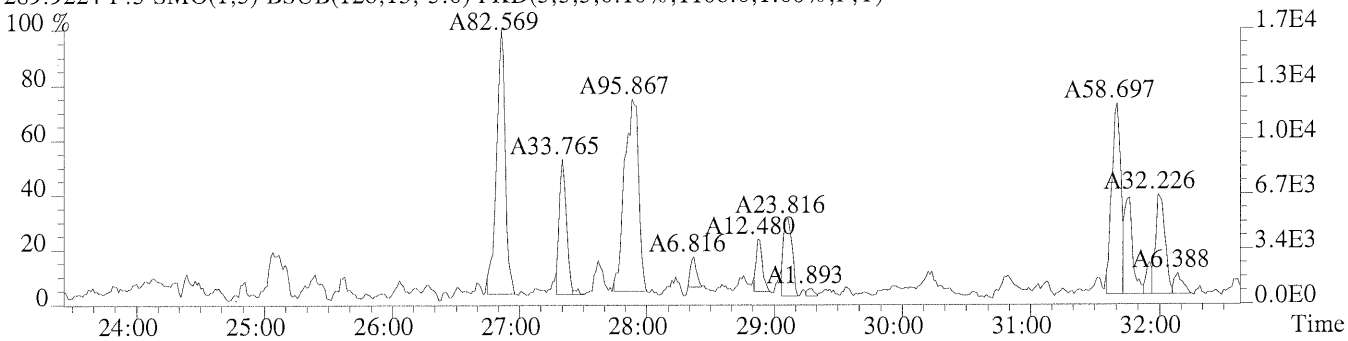


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

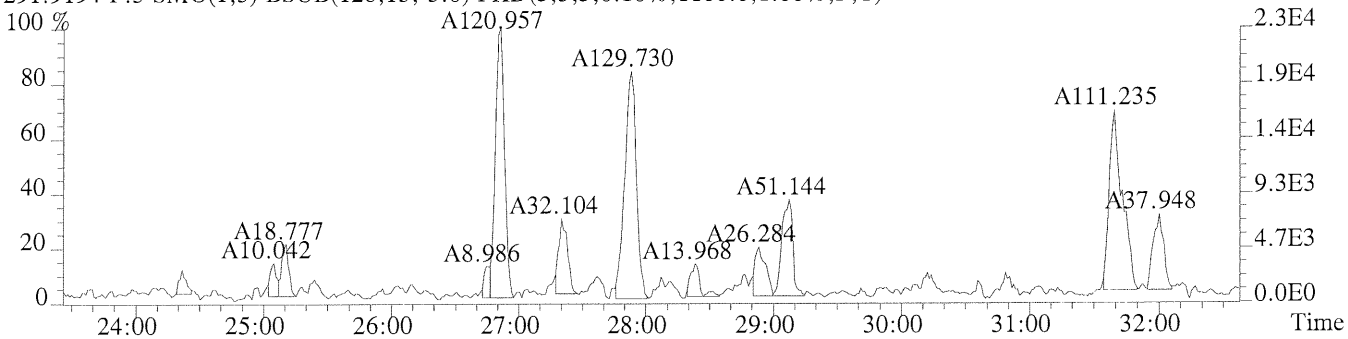


File:U142158 #1-588 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

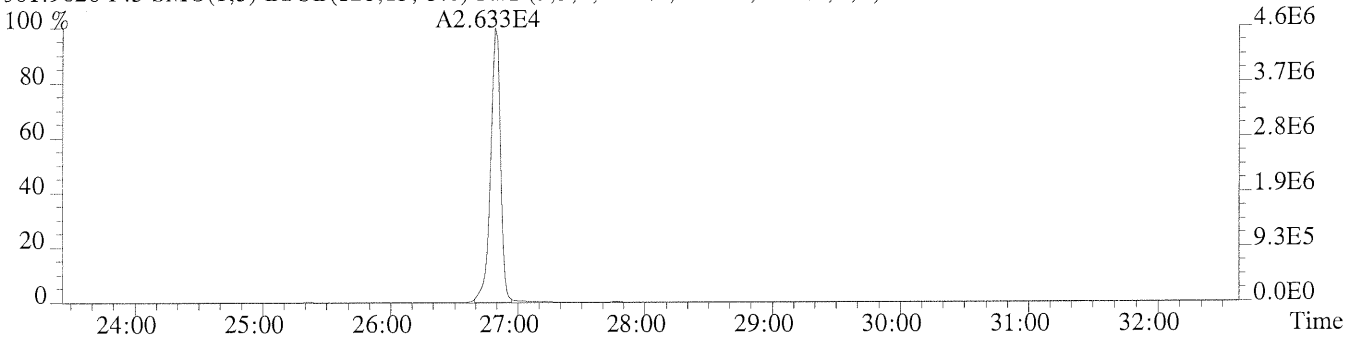
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1108.0,1.00%,F,T)



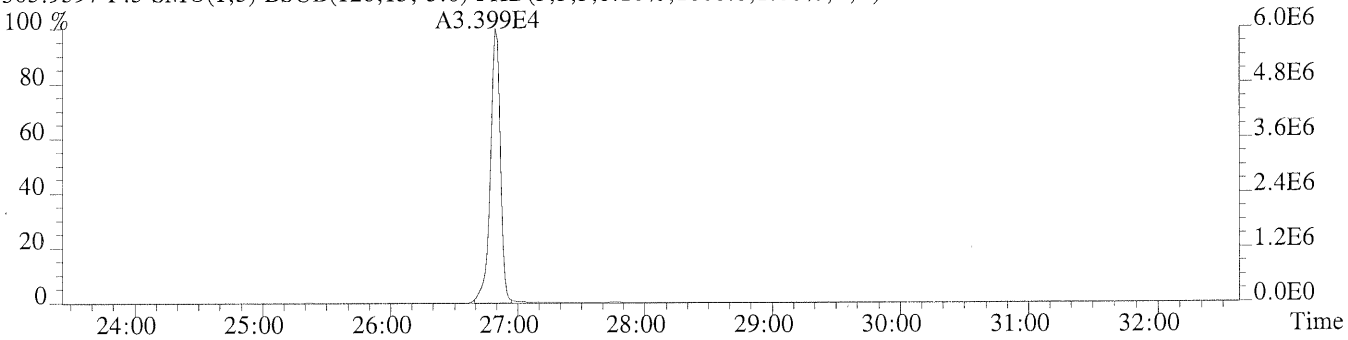
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1180.0,1.00%,F,T)



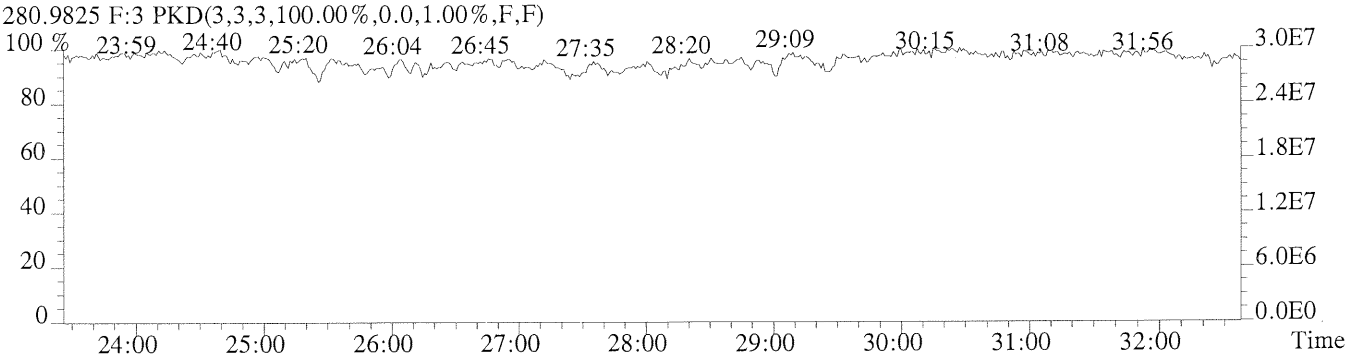
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1568.0,1.00%,F,T)



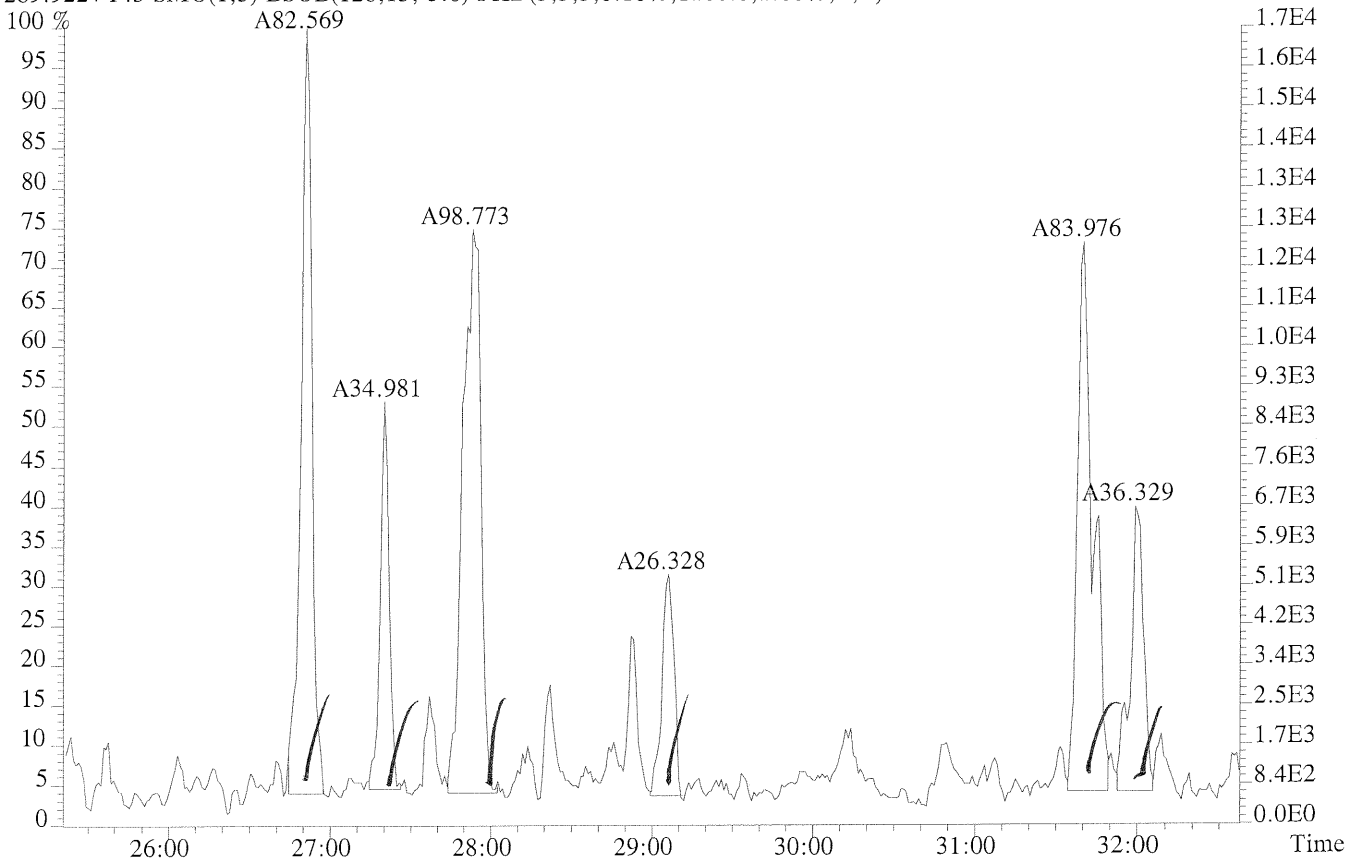
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



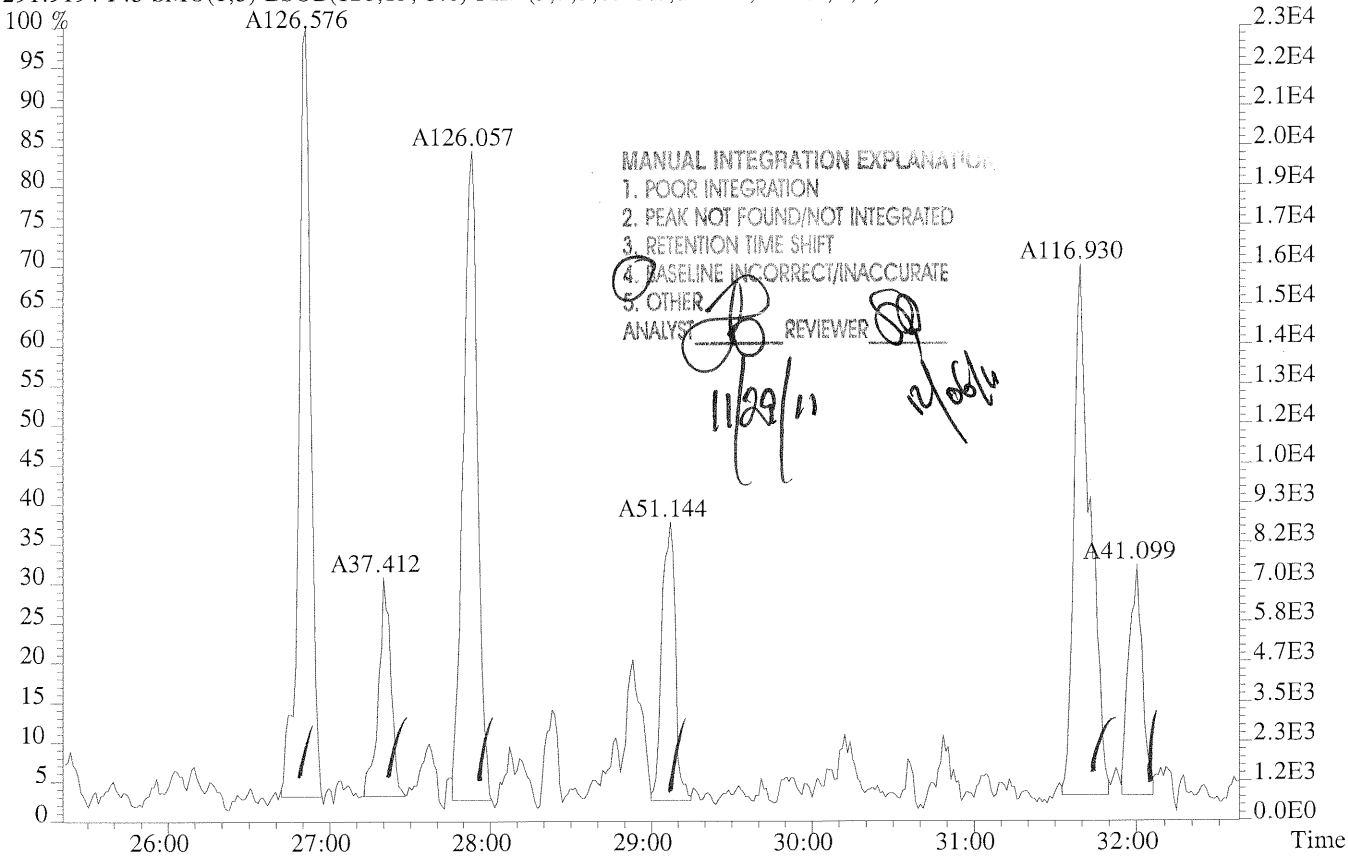
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142158 #1-588 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1108.0,1.00%,F,T)



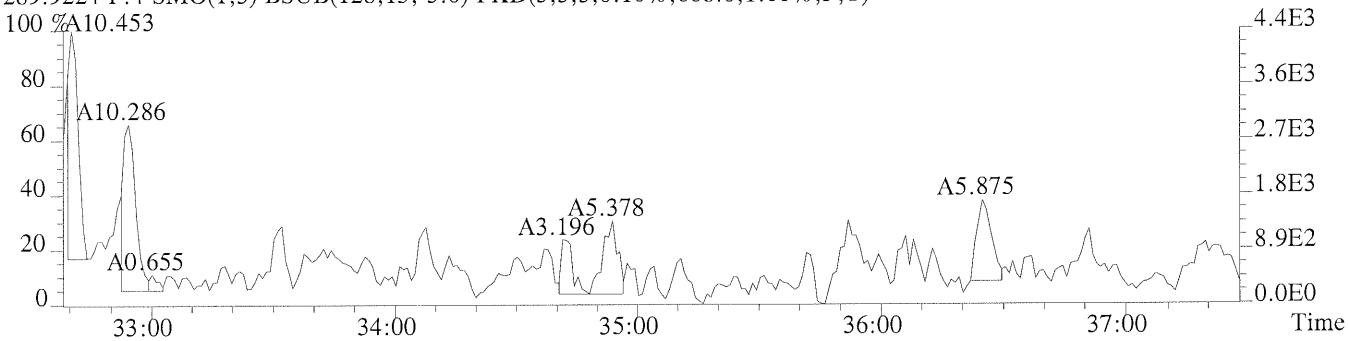
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1180.0,1.00%,F,T)



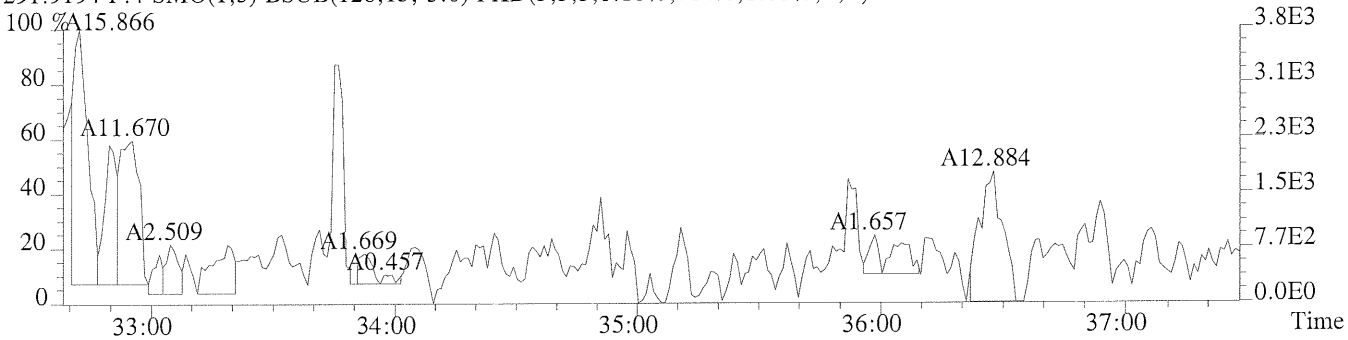
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST REVIEWER
11/29/11 12/06/11

File:U142158 #1-309 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

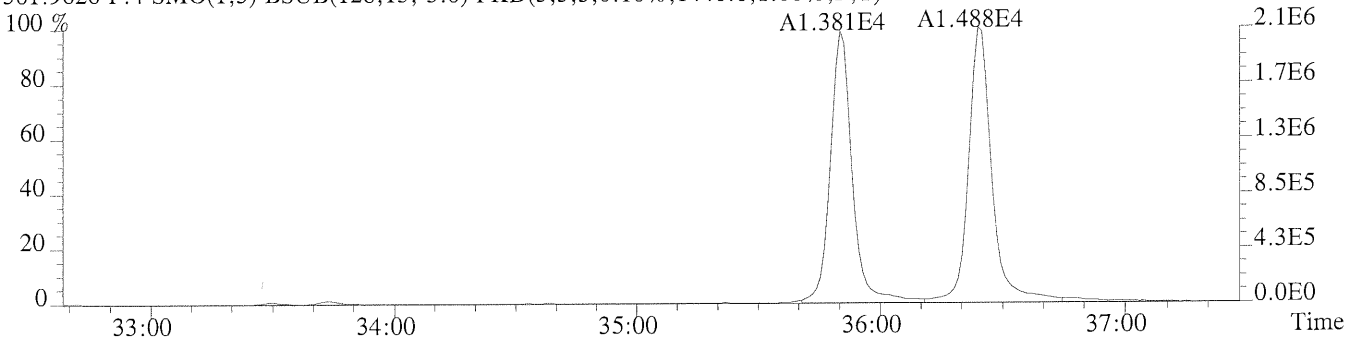
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,668.0,1.00%,F,T)



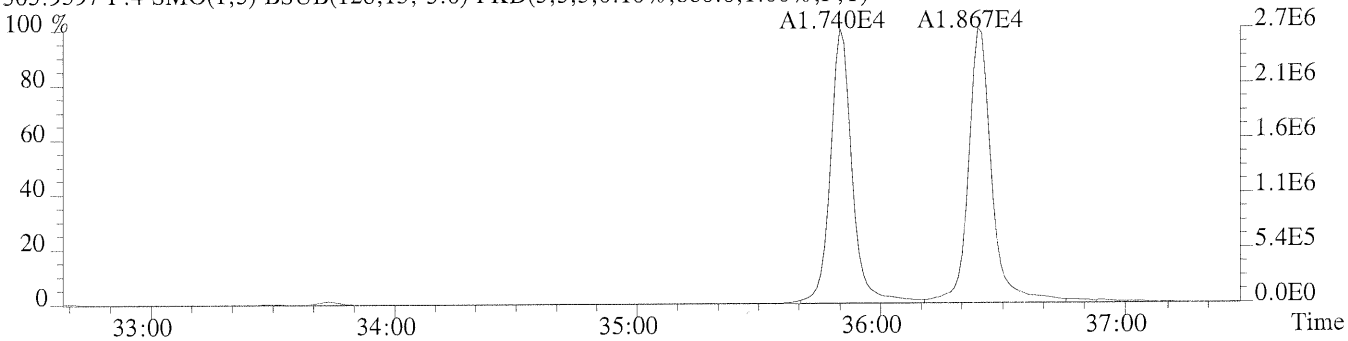
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,784.0,1.00%,F,T)



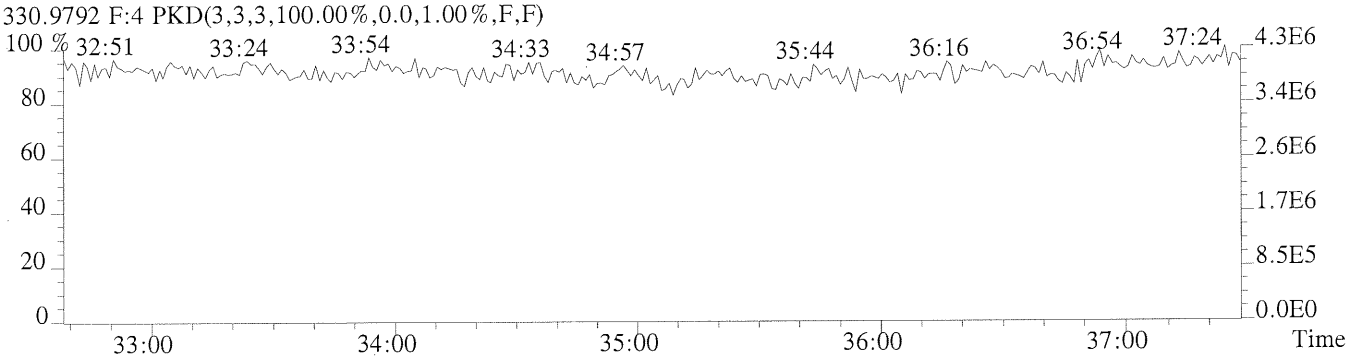
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1440.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)

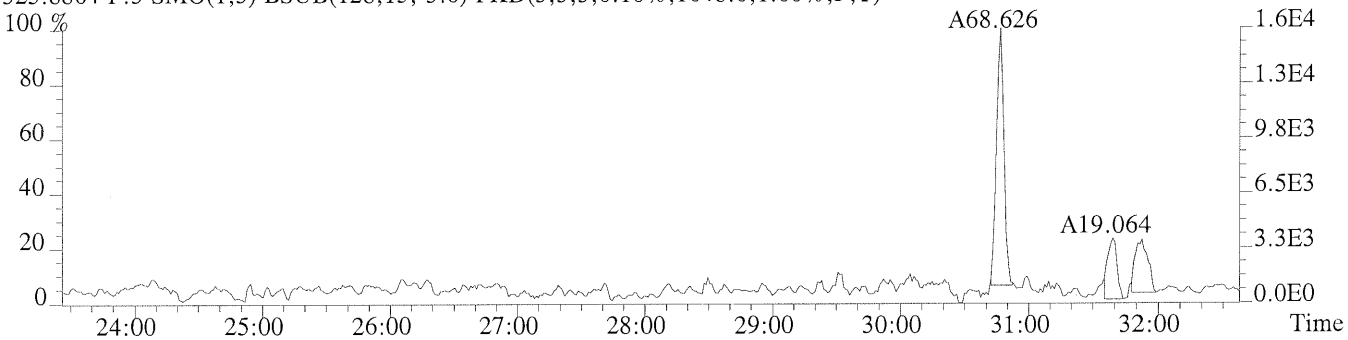


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

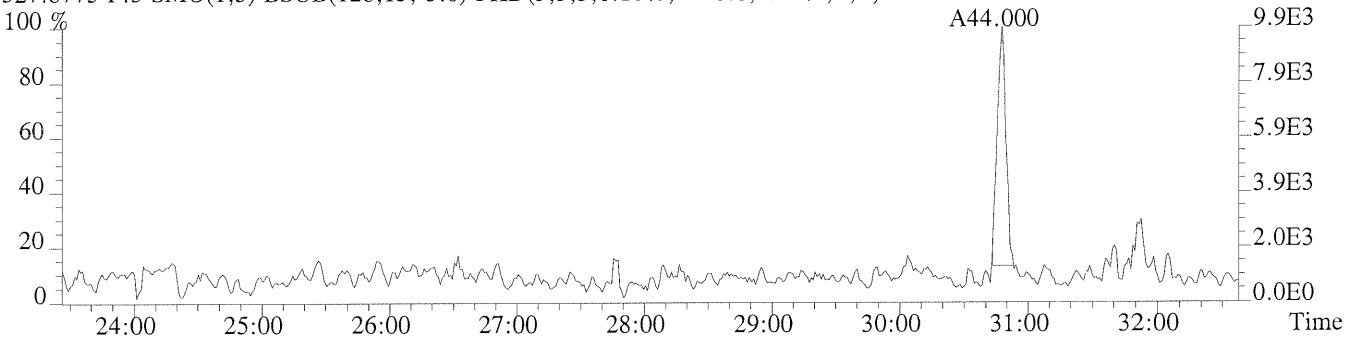


File:U142158 #1-588 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

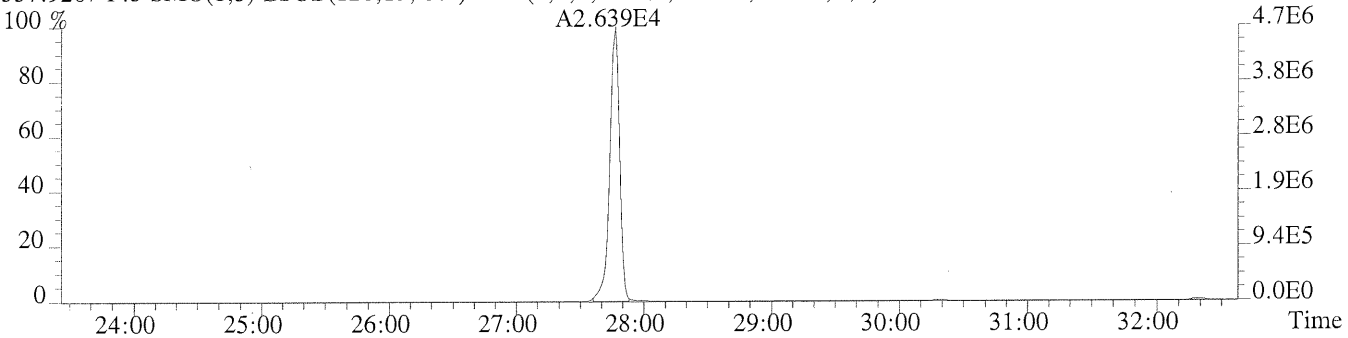
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1048.0,1.00%,F,T)



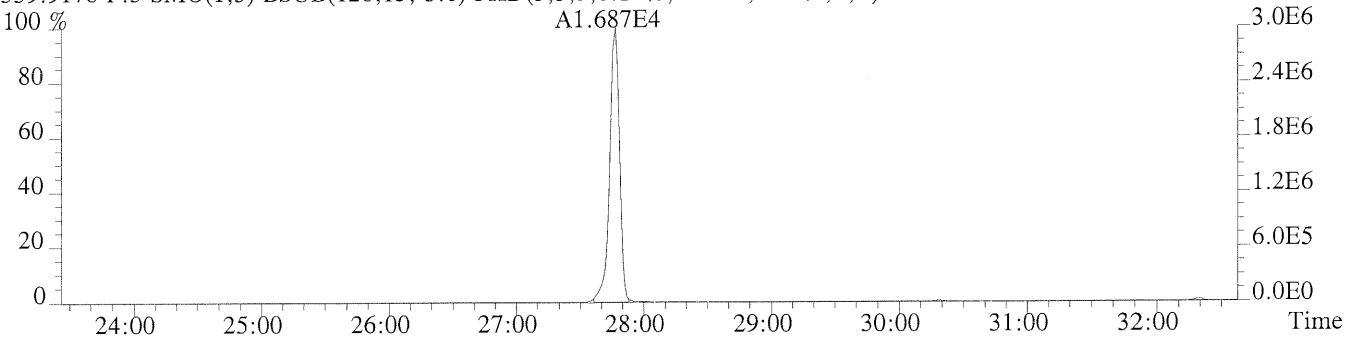
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)



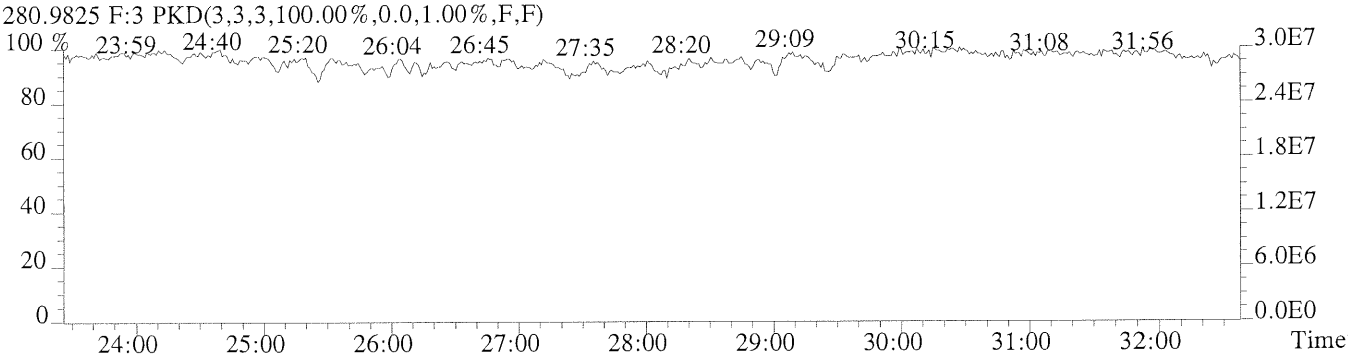
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)



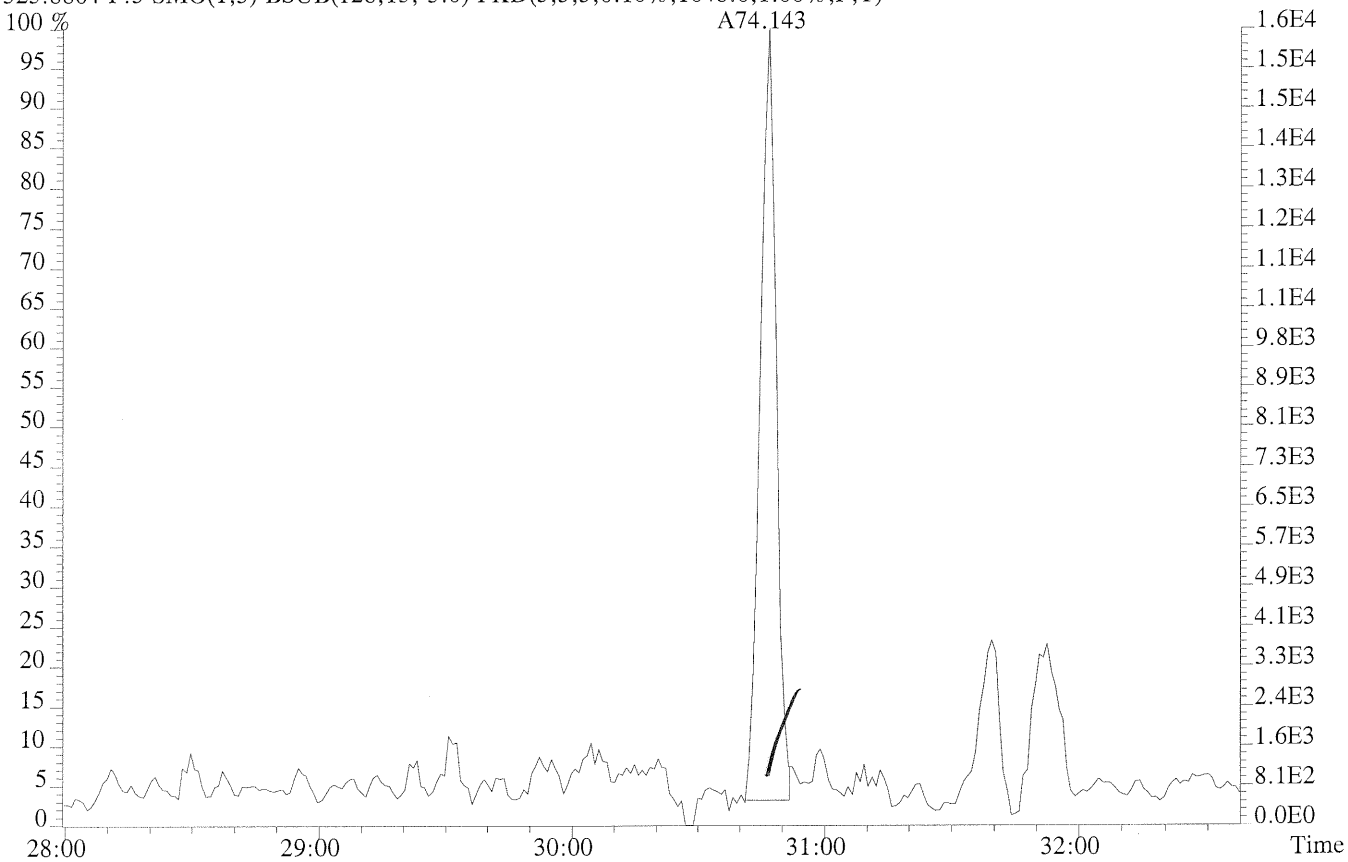
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1144.0,1.00%,F,T)



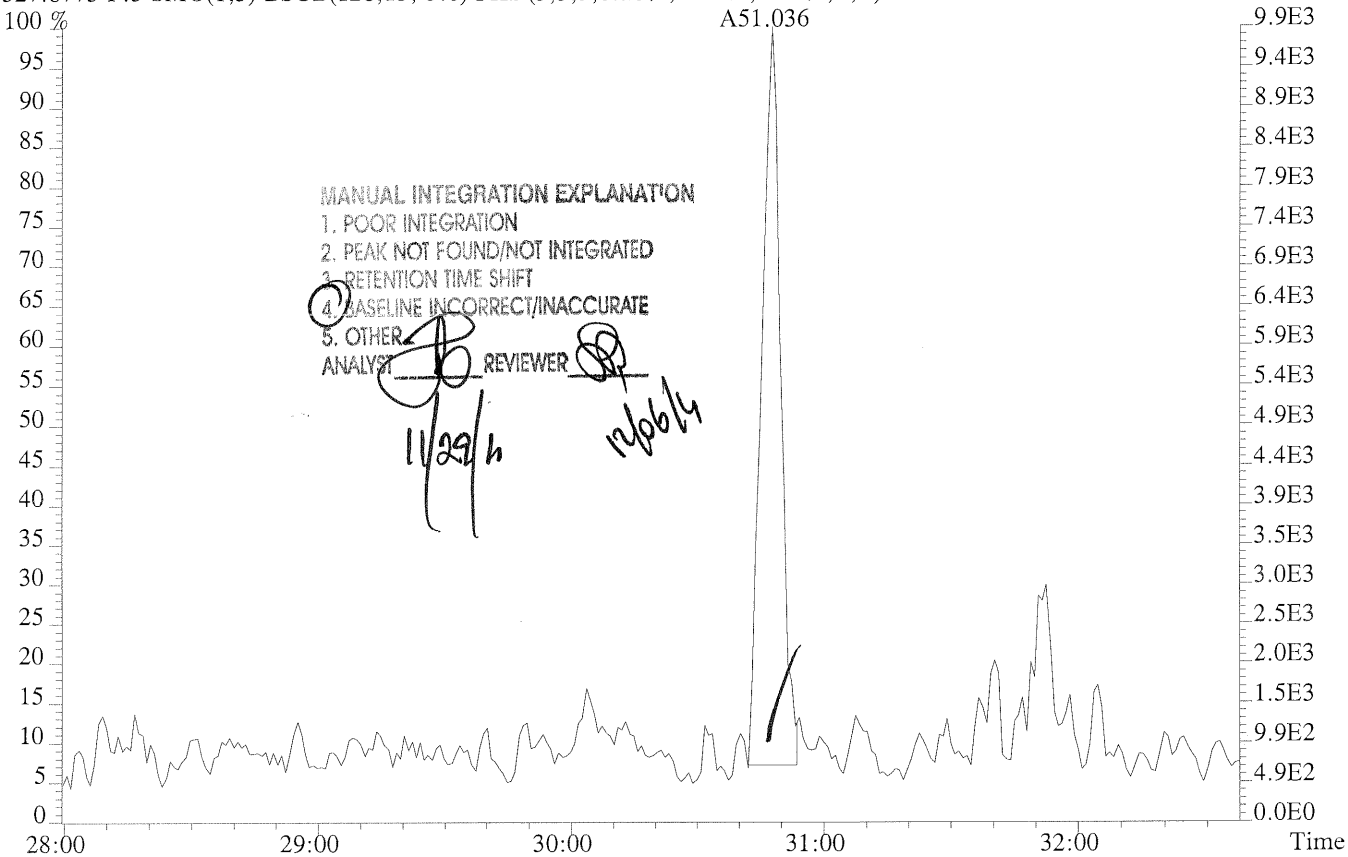
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142158 #1-588 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1048.0,1.00%,F,T)

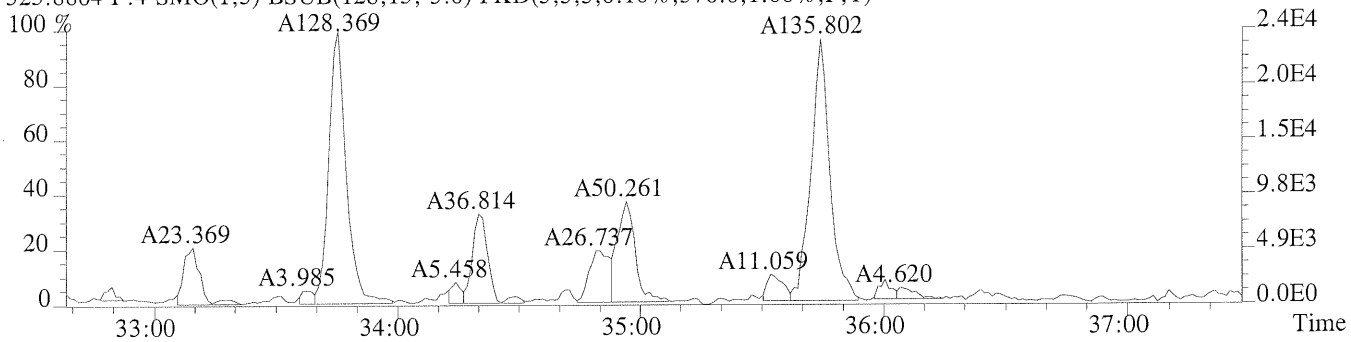


327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)

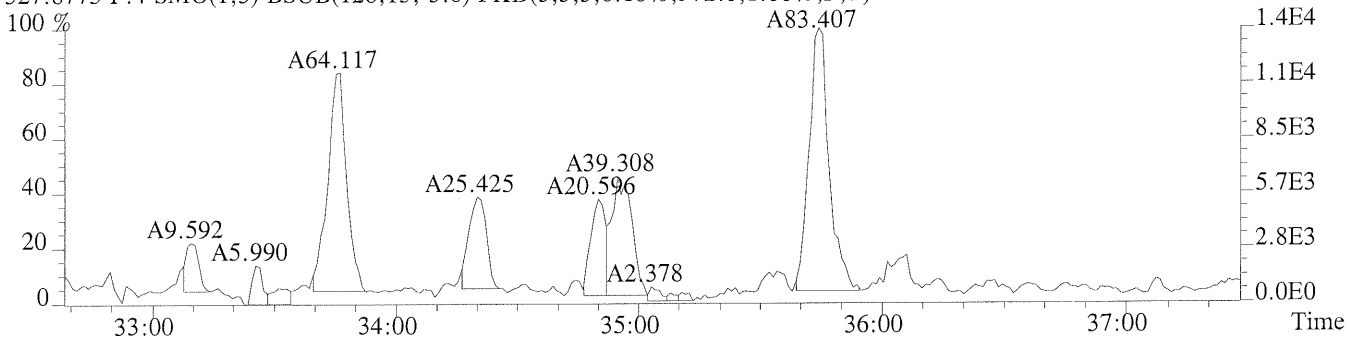


File:U142158 #1-309 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

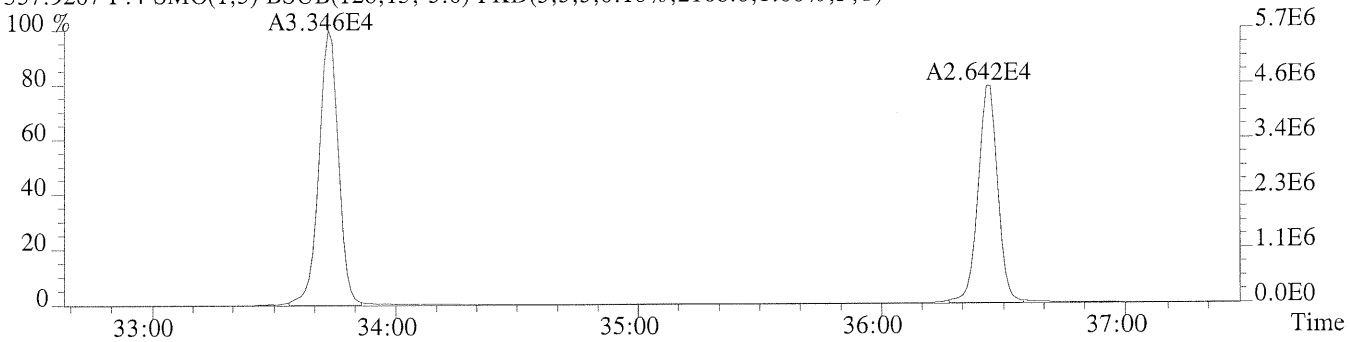
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,576.0,1.00%,F,T)



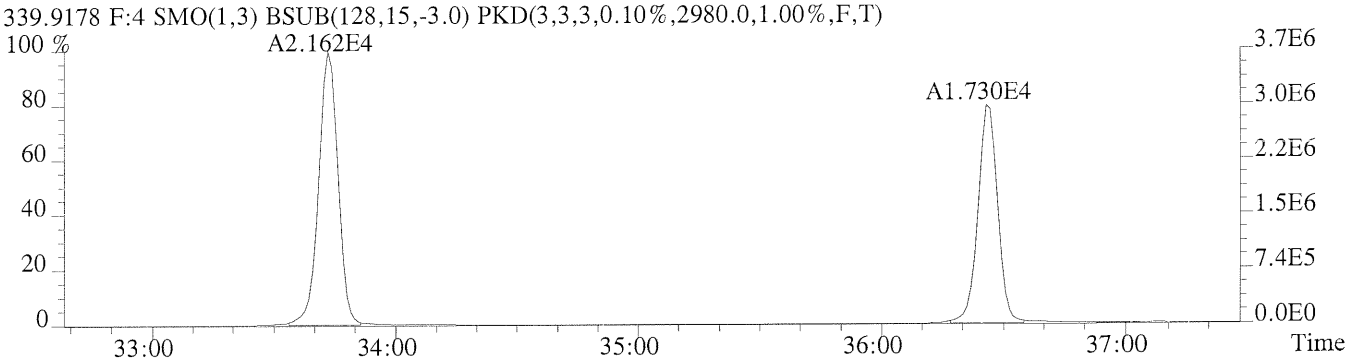
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,972.0,1.00%,F,T)



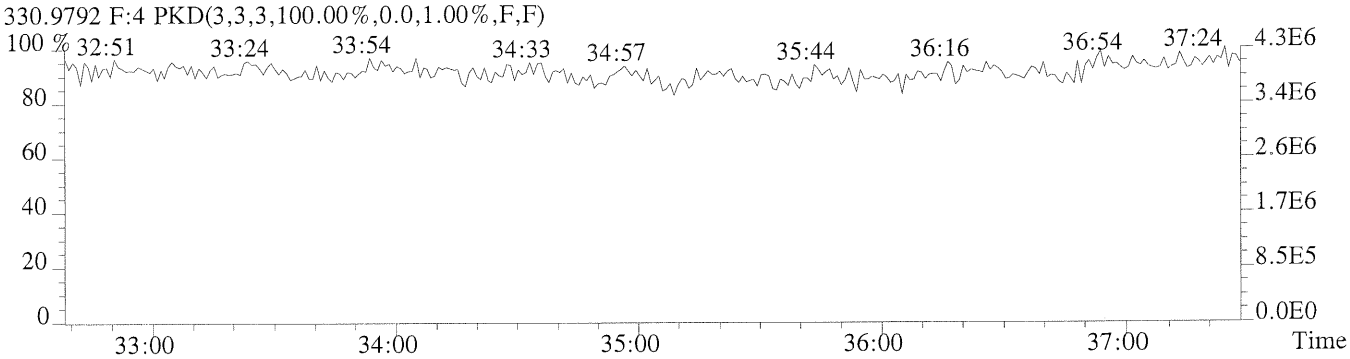
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2168.0,1.00%,F,T)



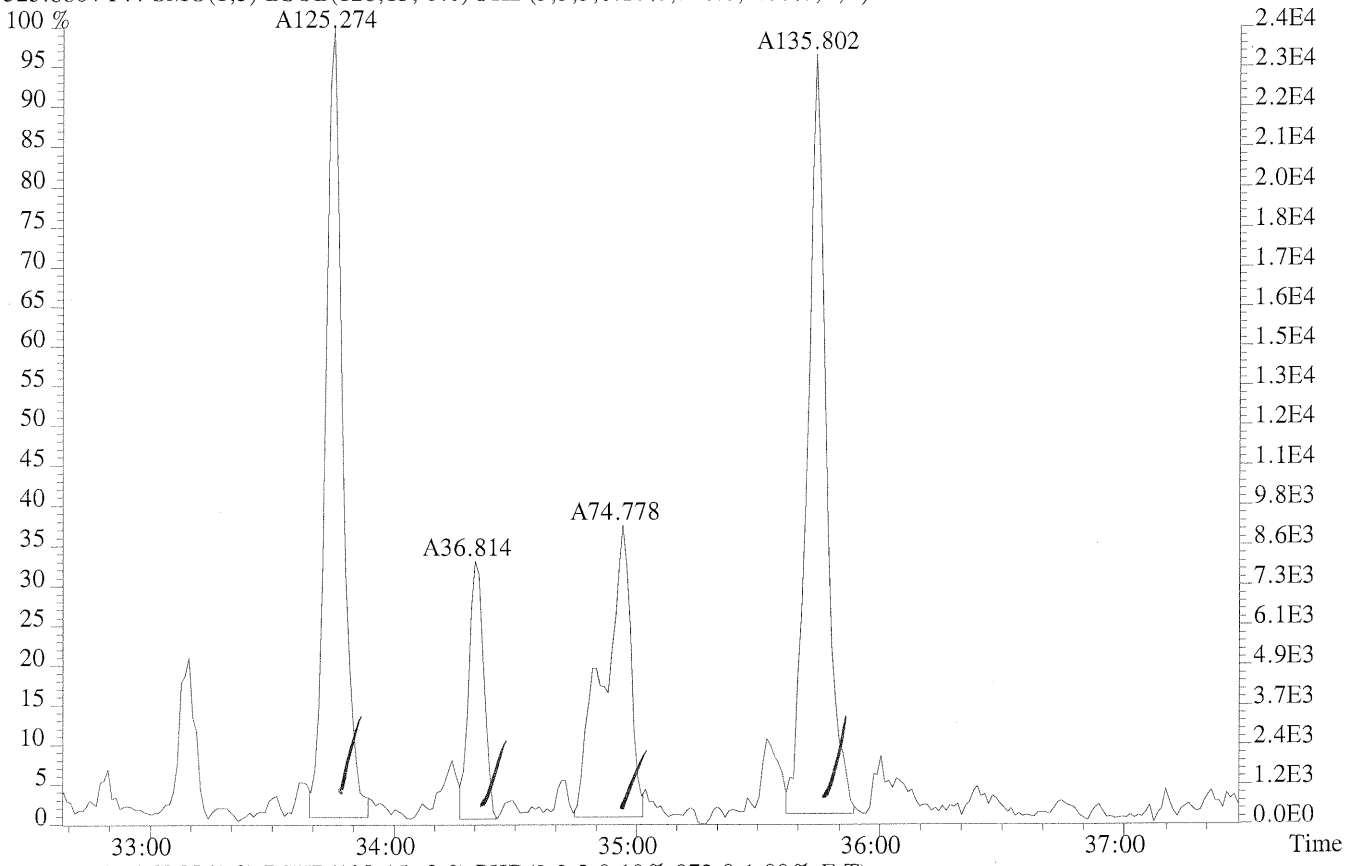
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2980.0,1.00%,F,T)



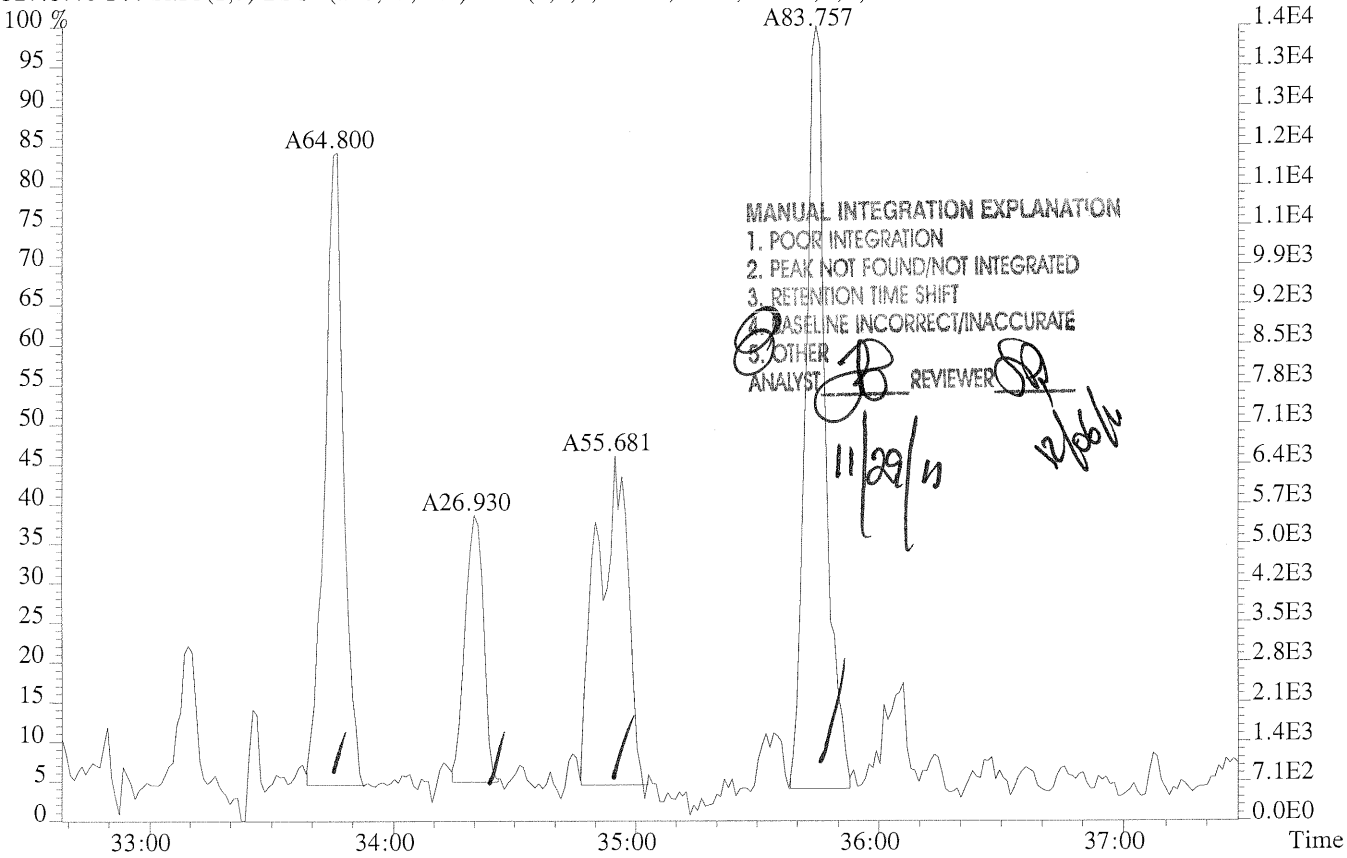
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142158 #1-309 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,576.0,1.00%,F,T)



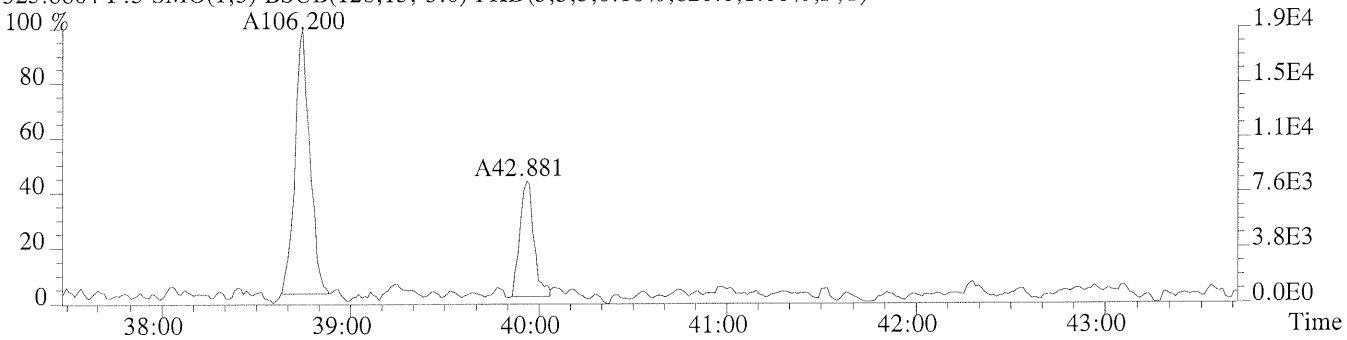
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,972.0,1.00%,F,T)



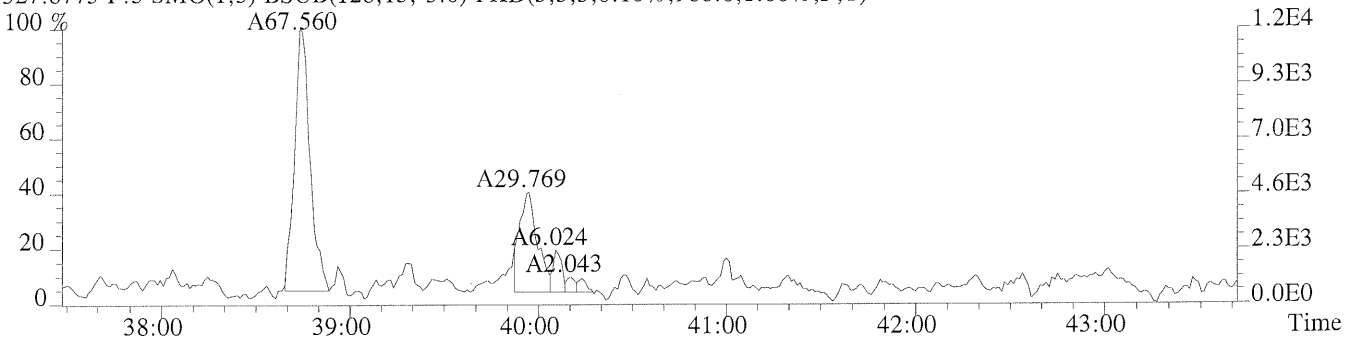
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 11/29/11 REVIEWER 12/06/11

File:U142158 #1-398 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

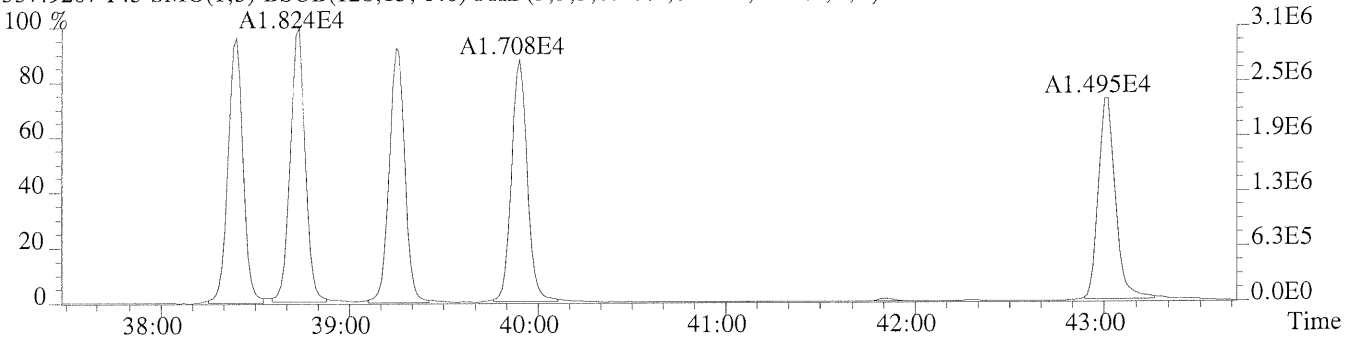
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



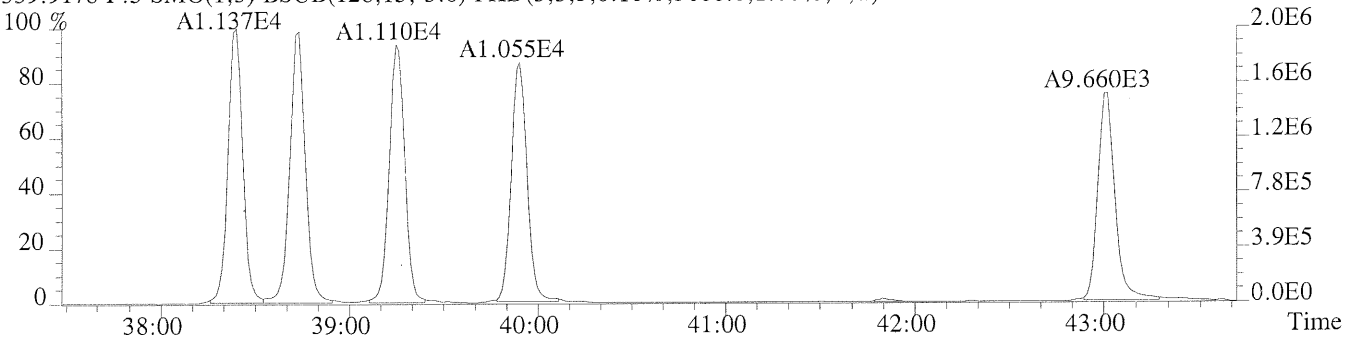
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,988.0,1.00%,F,T)



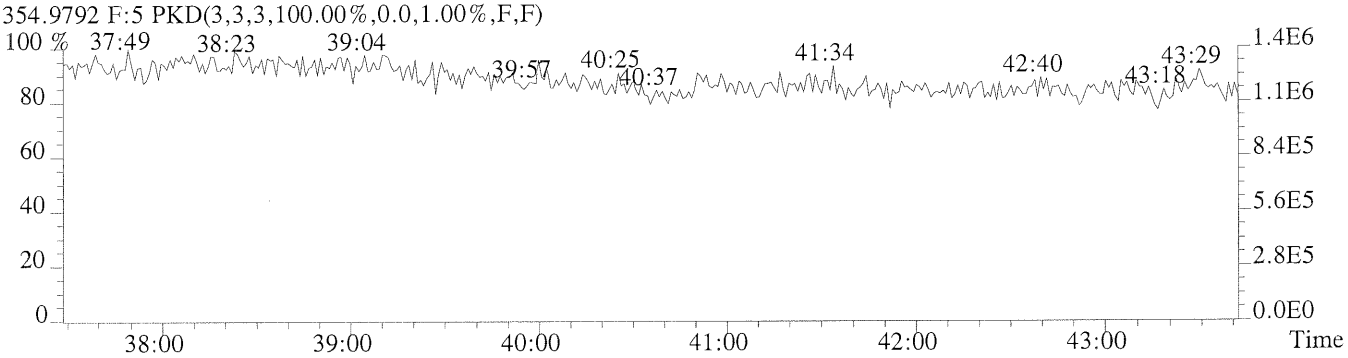
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8776.0,1.00%,F,T)



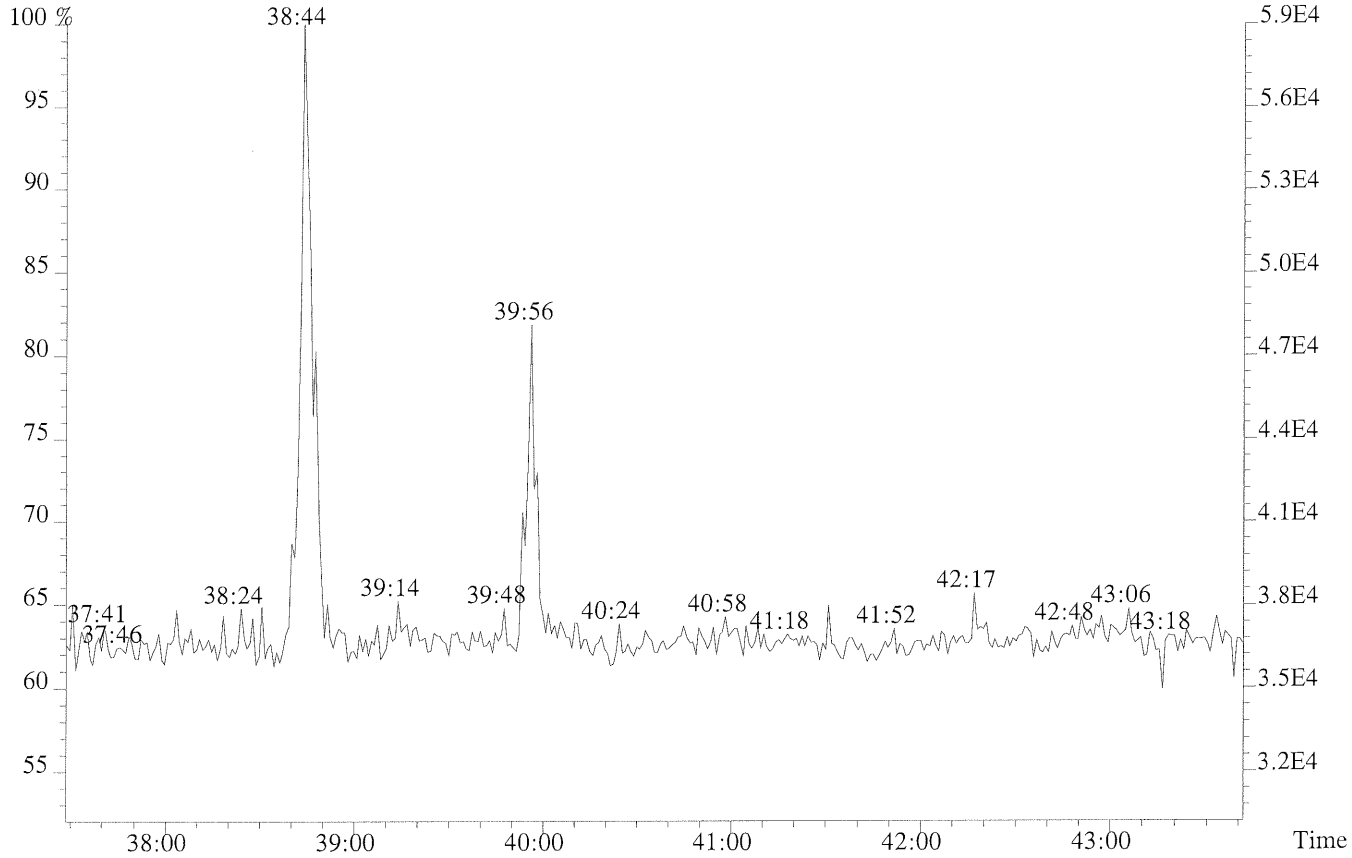
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5600.0,1.00%,F,T)



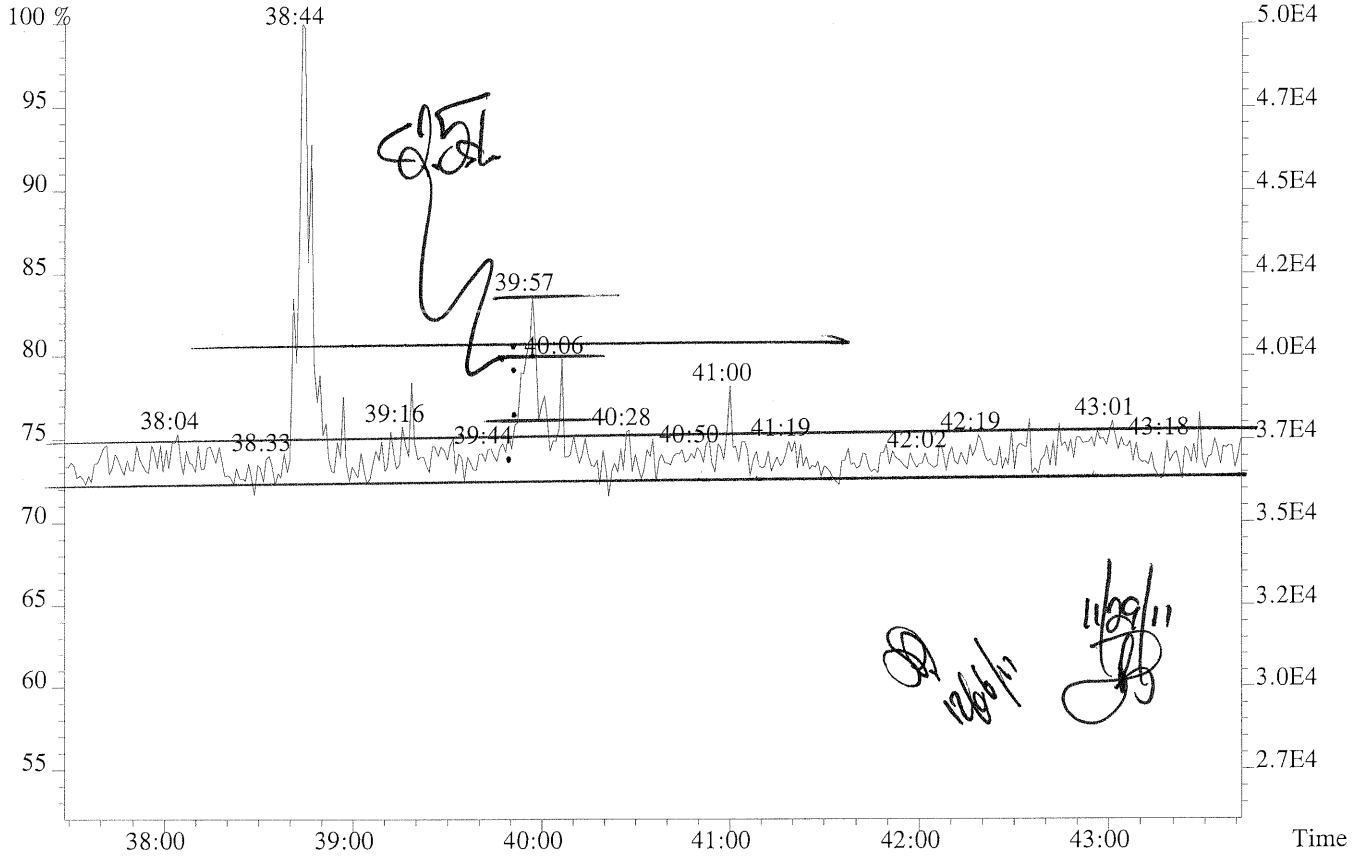
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142158 #1-398 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
325.8804 F:5

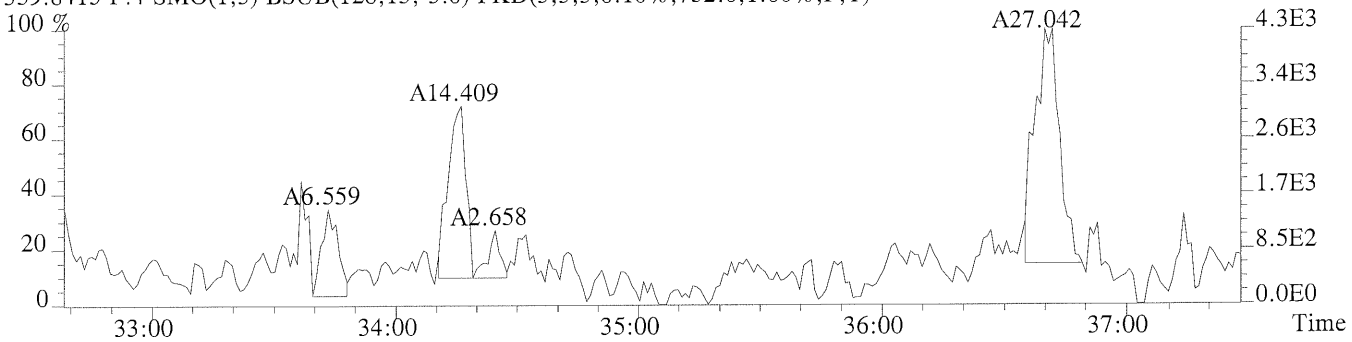


327.8775 F:5

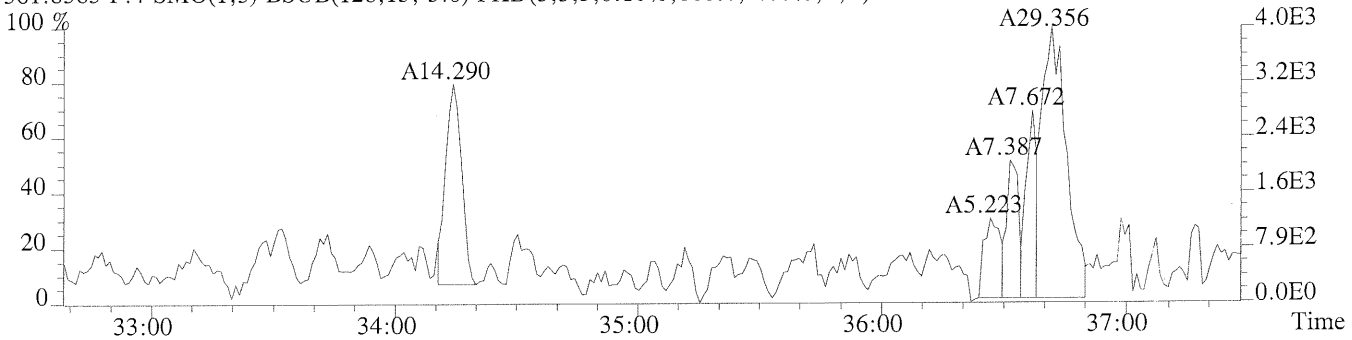


File:U142158 #1-309 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

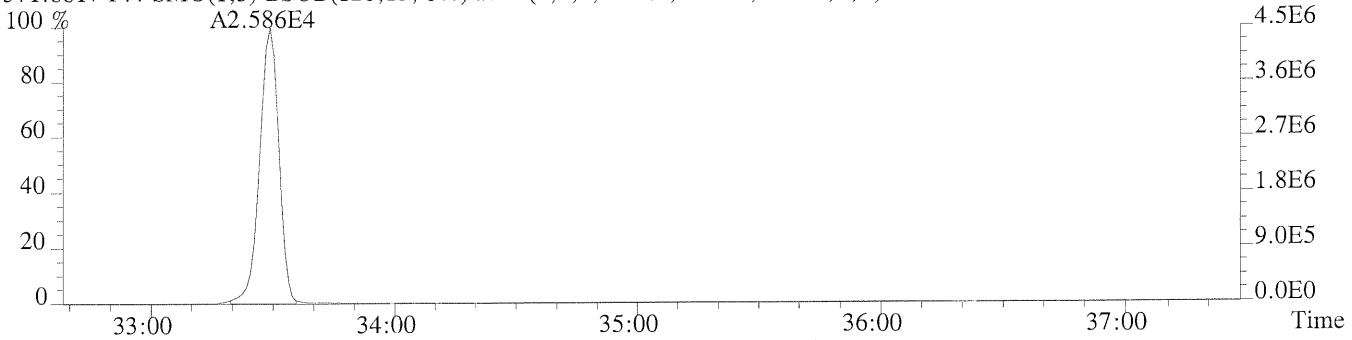
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,752.0,1.00%,F,T)



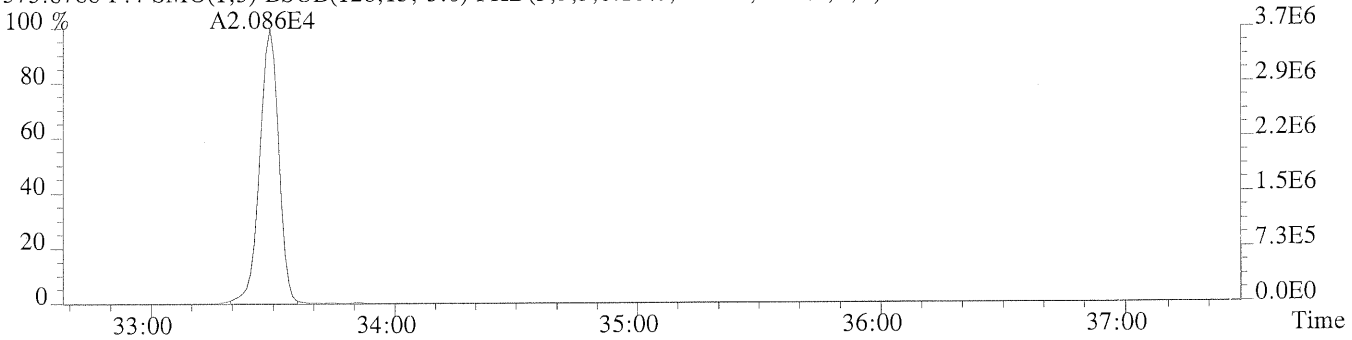
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,660.0,1.00%,F,T)



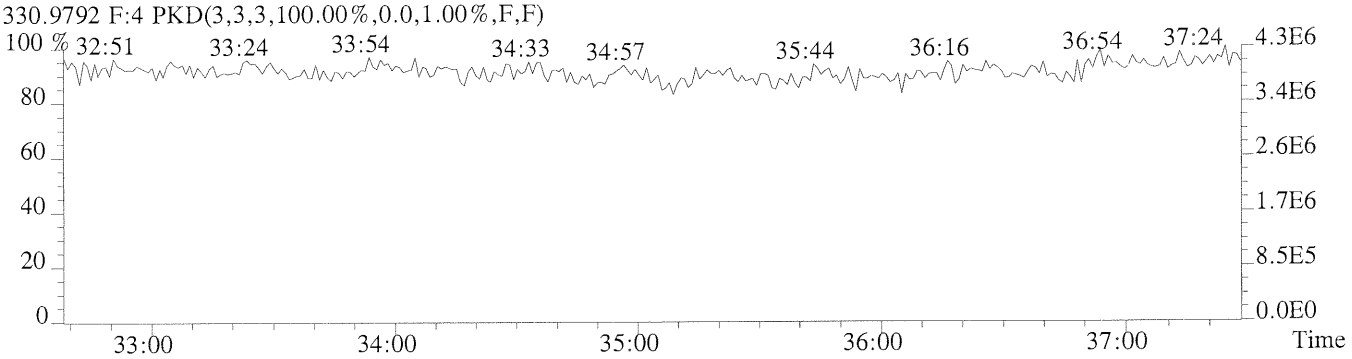
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1264.0,1.00%,F,T)



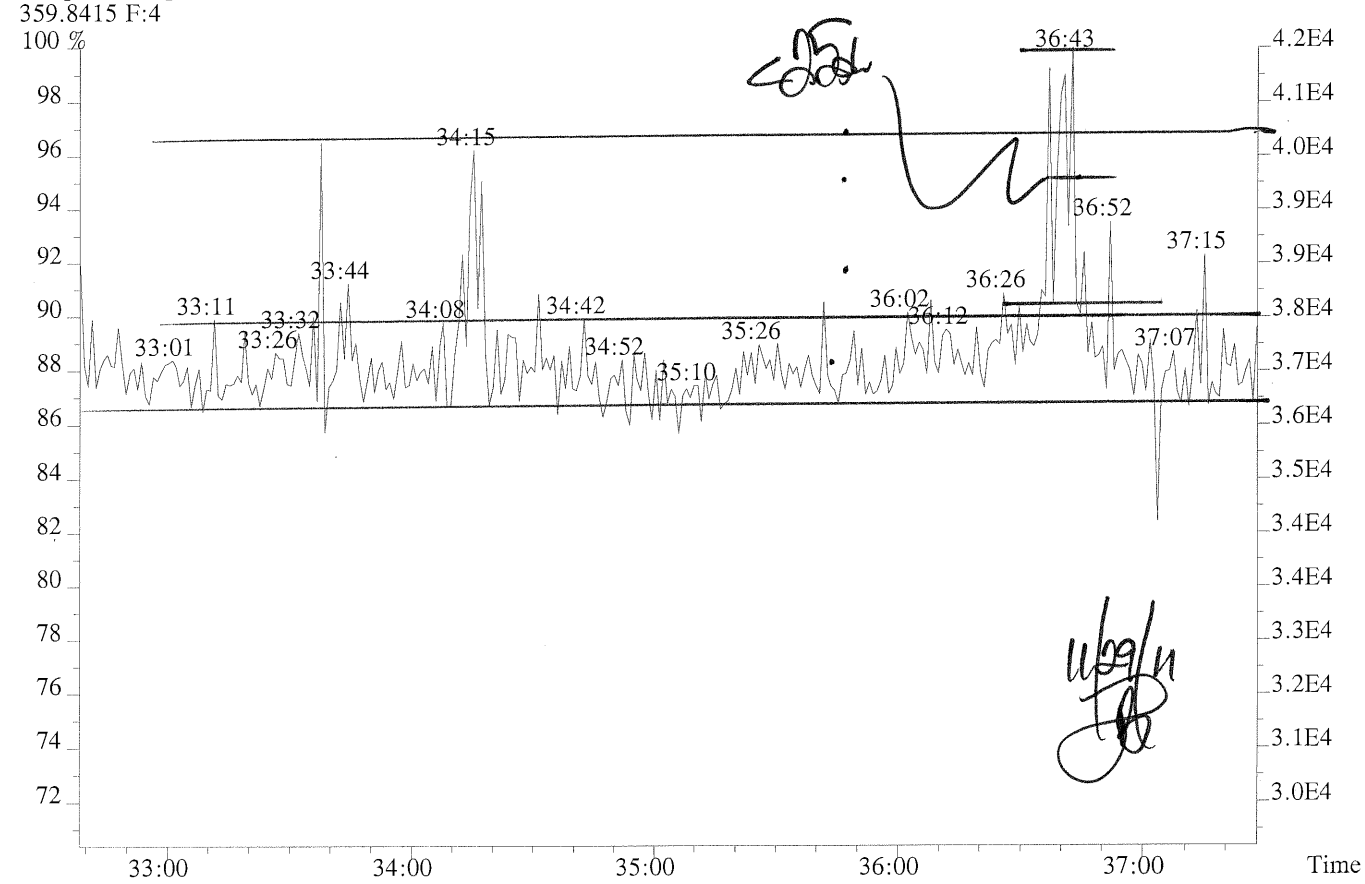
373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1408.0,1.00%,F,T)



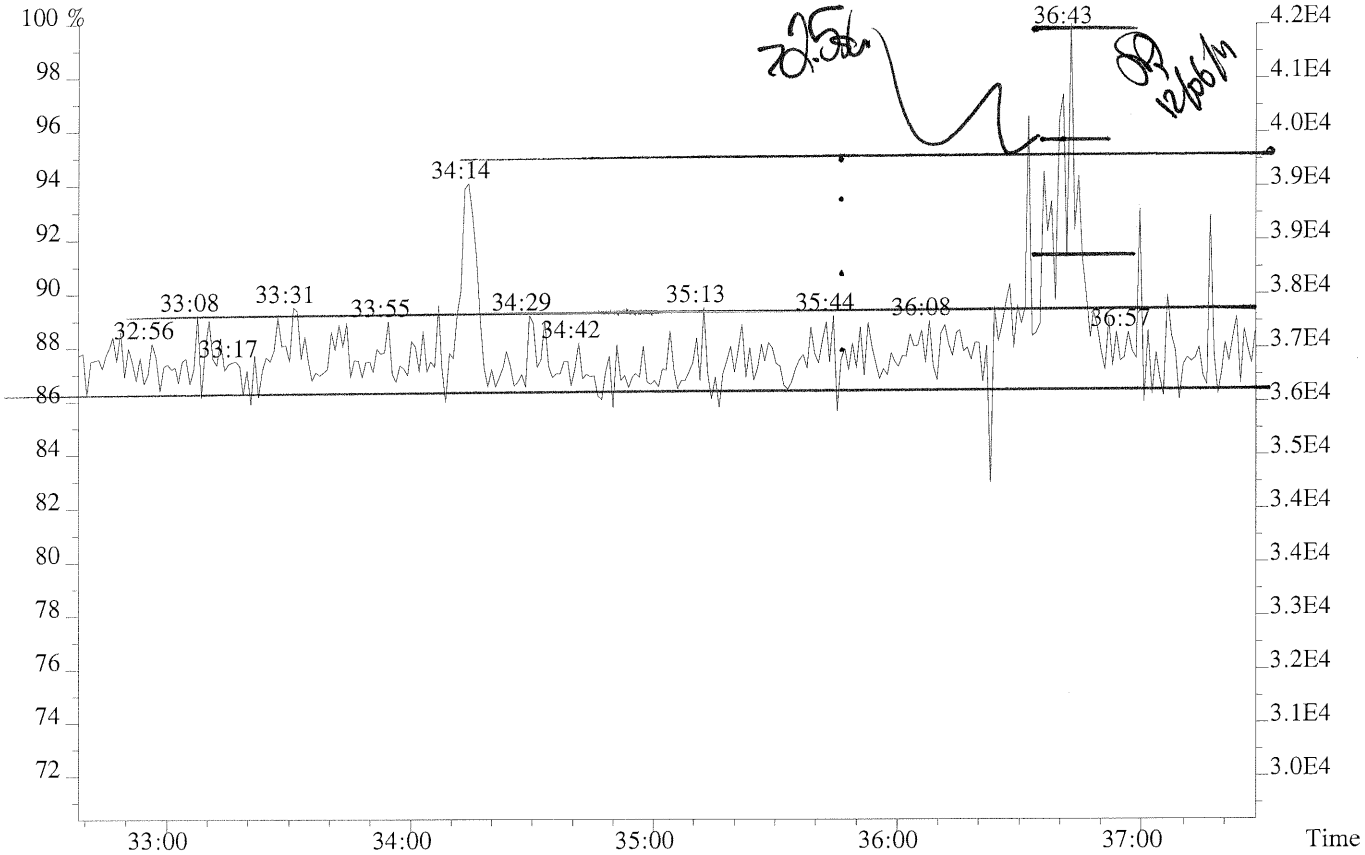
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142158 #1-309 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
359.8415 F:4

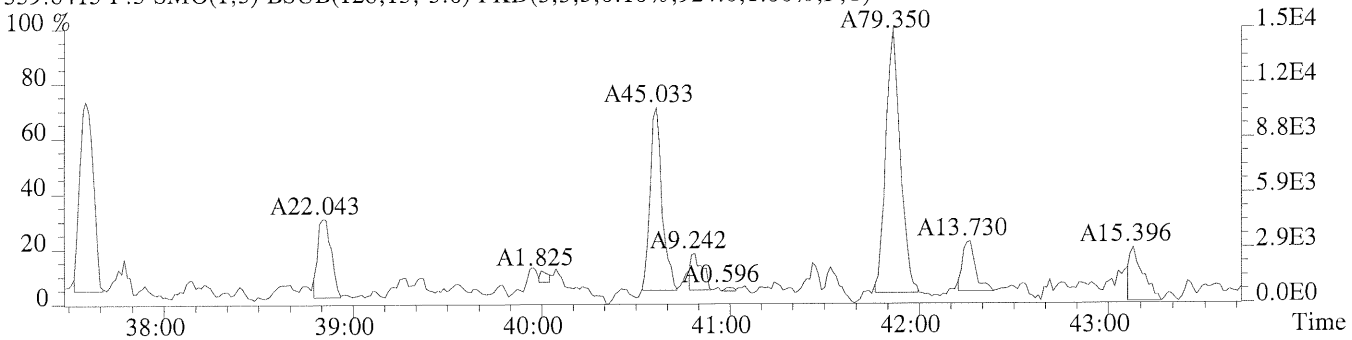


361.8385 F:4

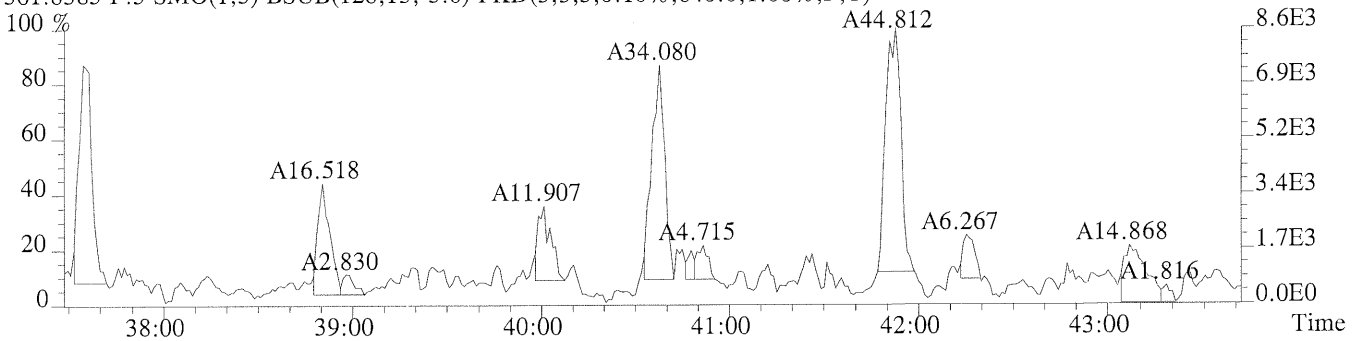


File:U142158 #1-398 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

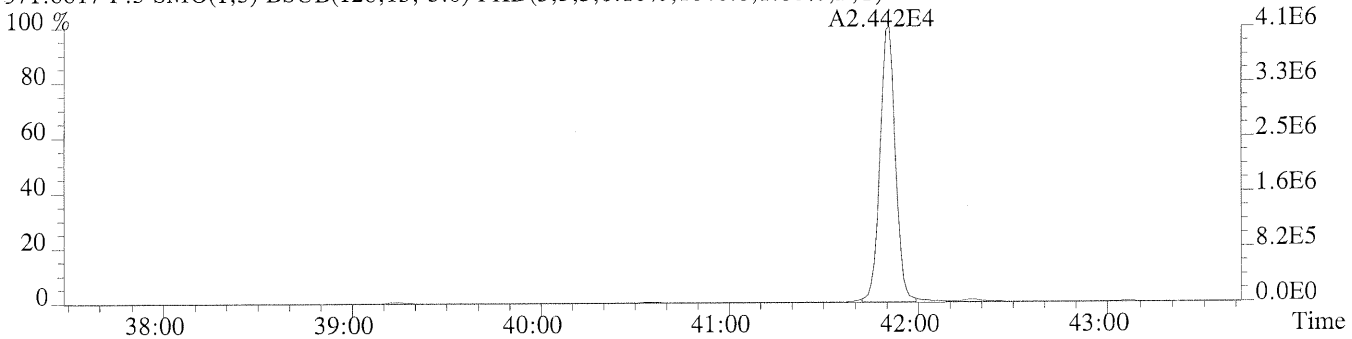
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



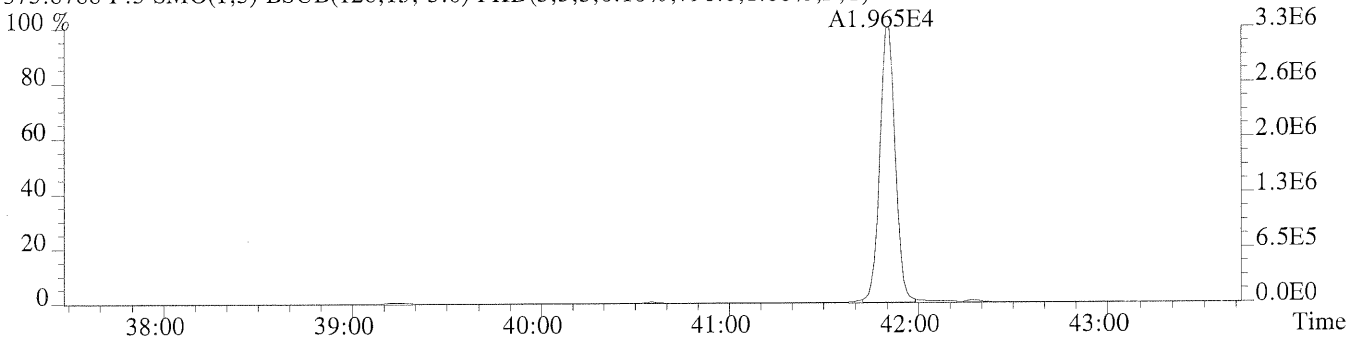
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,840.0,1.00%,F,T)



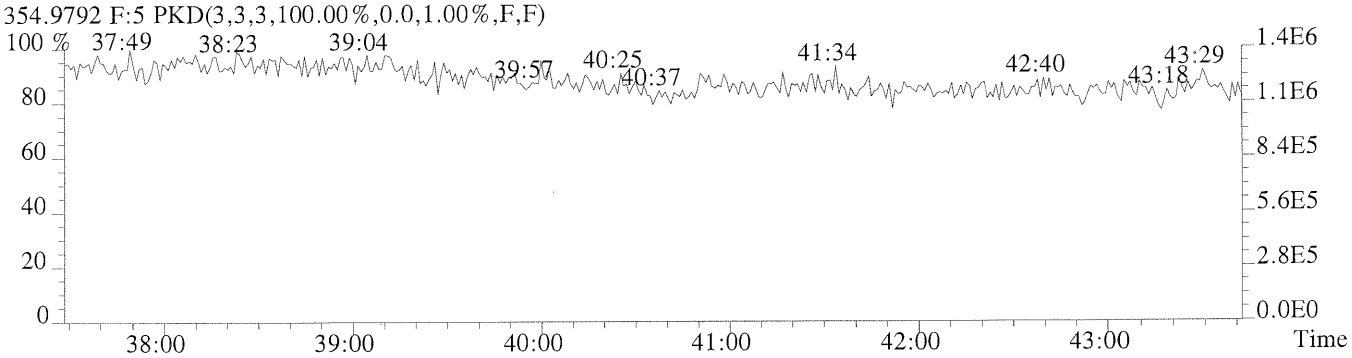
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1048.0,1.00%,F,T)



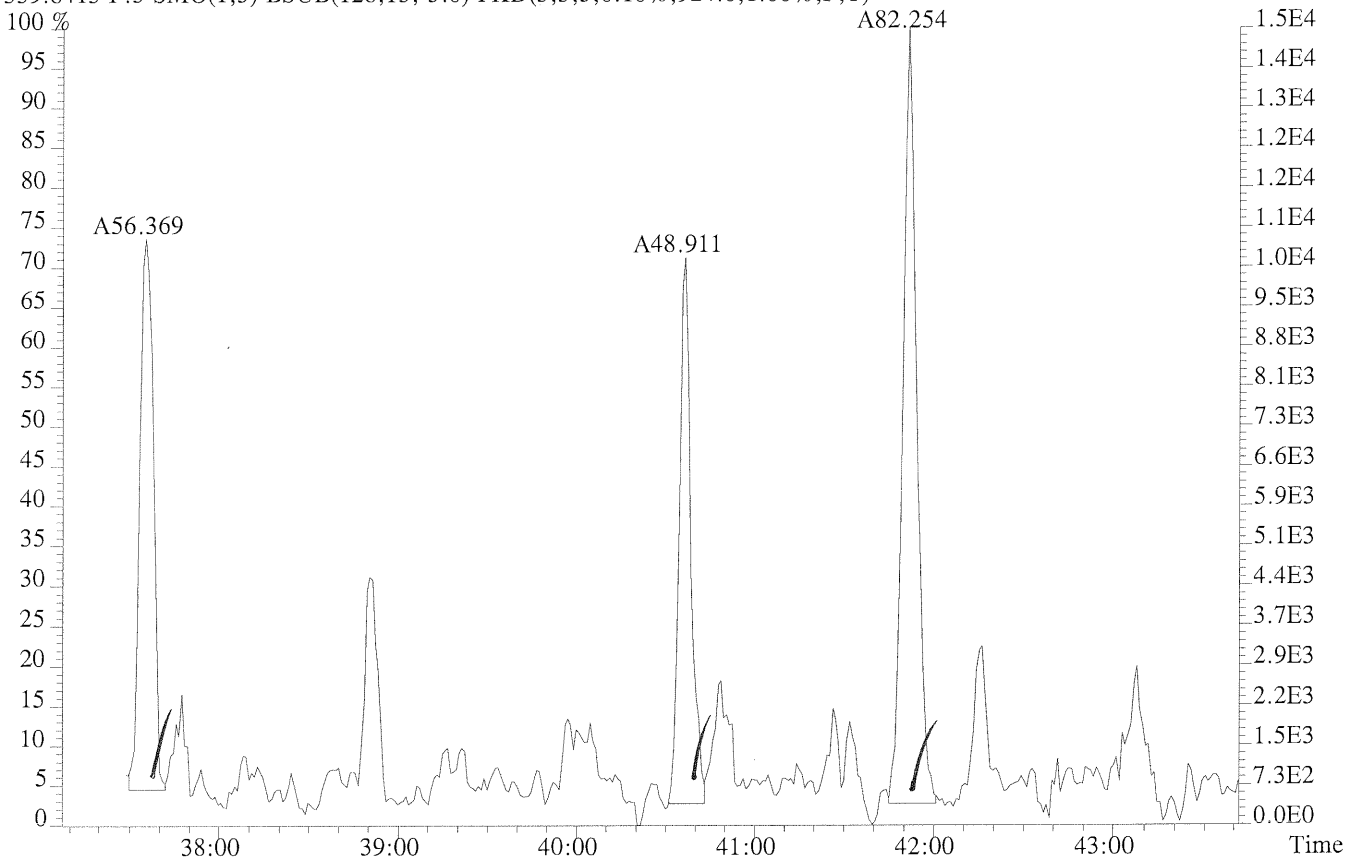
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)



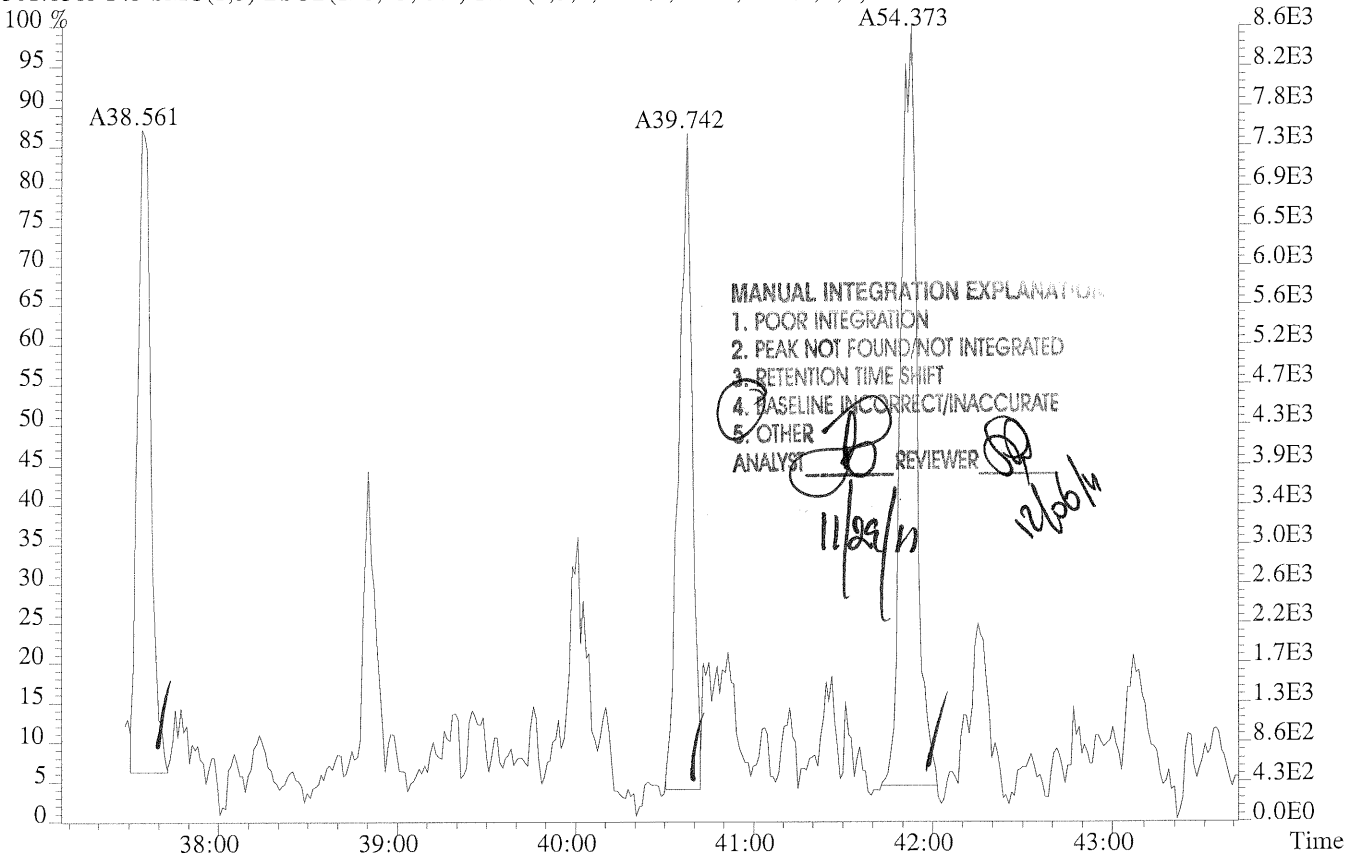
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142158 #1-398 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)

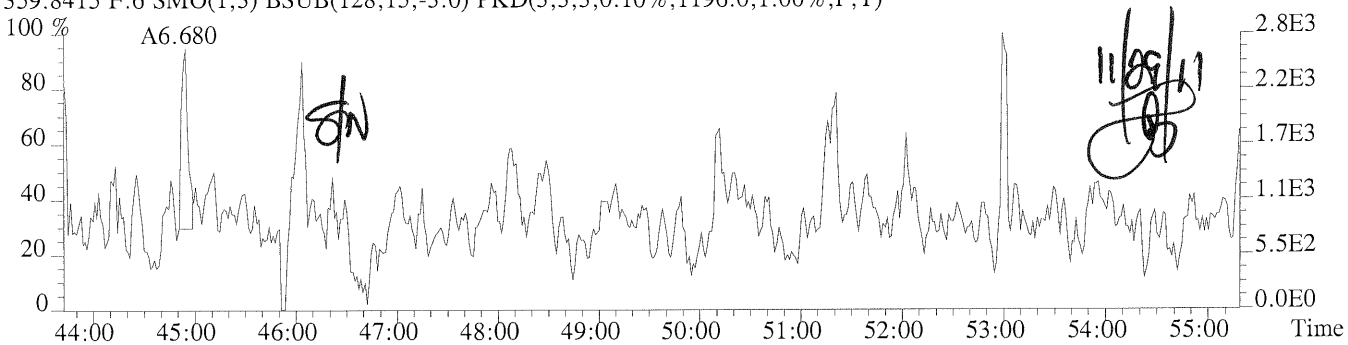


361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,840.0,1.00%,F,T)

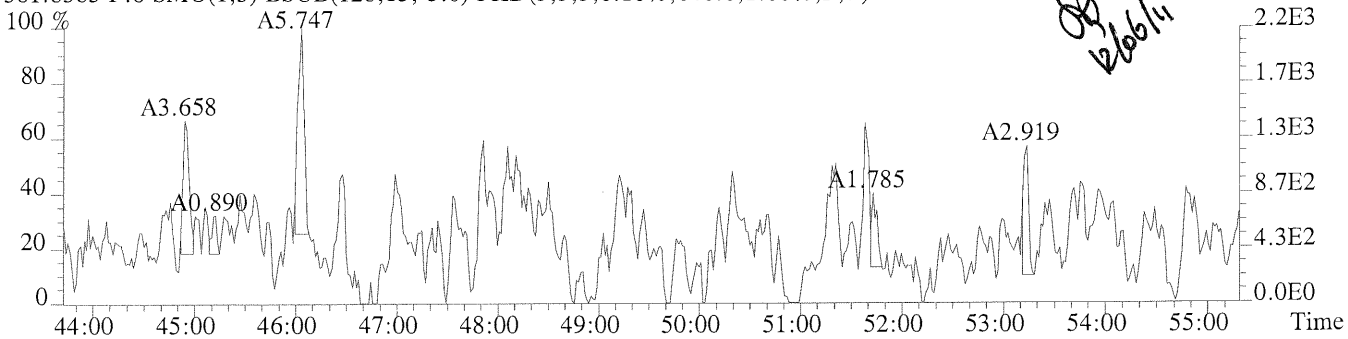


File:U142158 #1-575 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

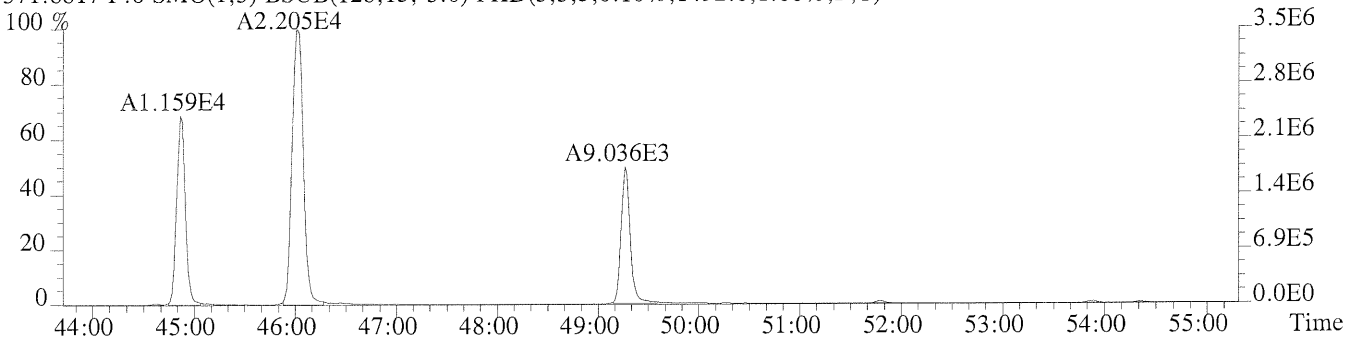
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



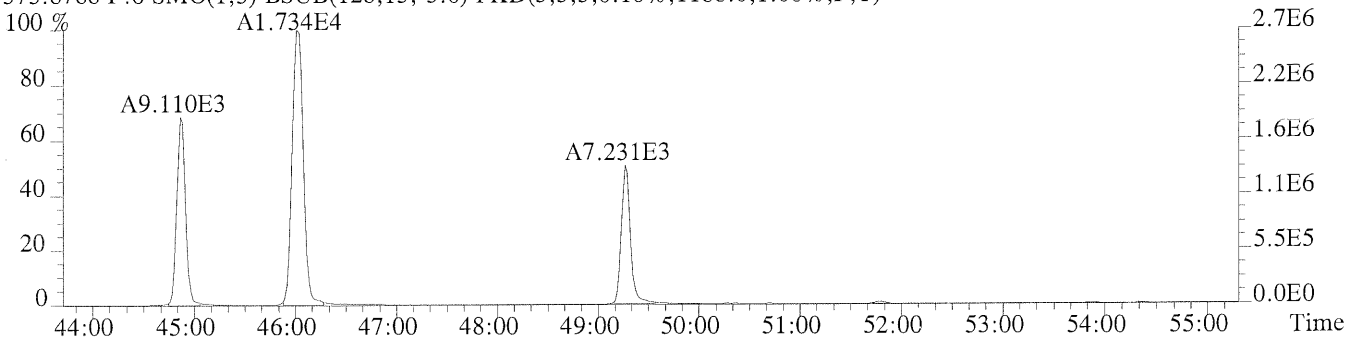
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,648.0,1.00%,F,T)



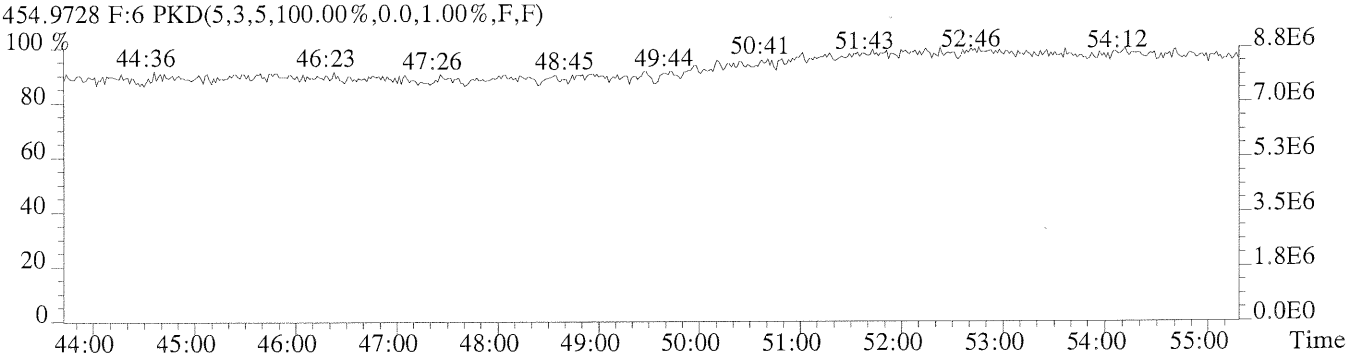
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1492.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1188.0,1.00%,F,T)

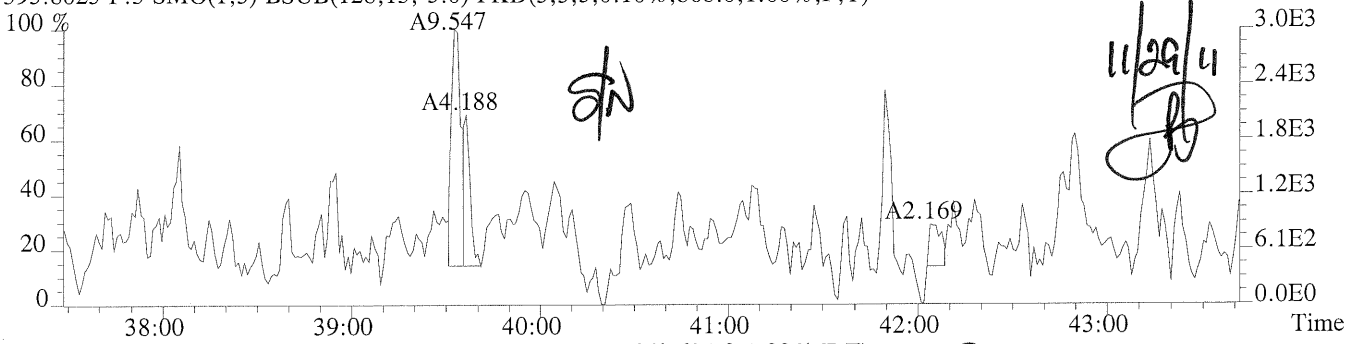


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

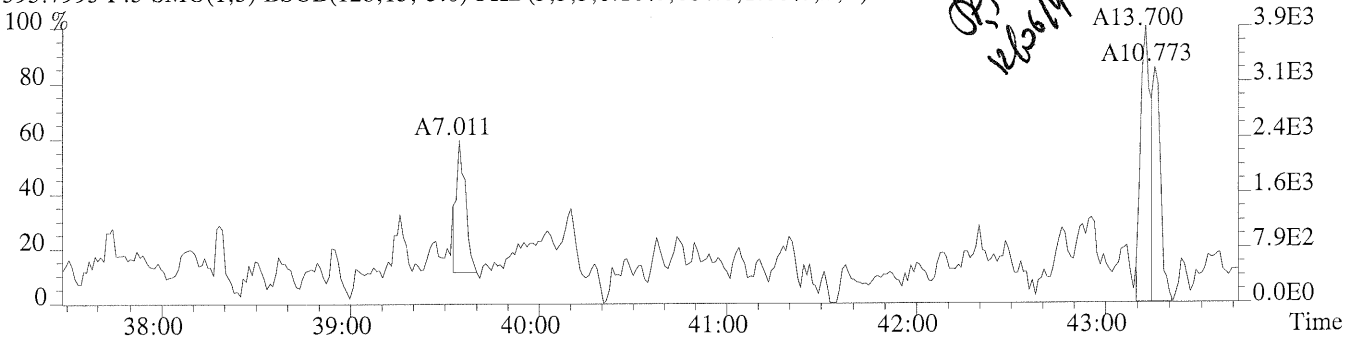


File:U142158 #1-398 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

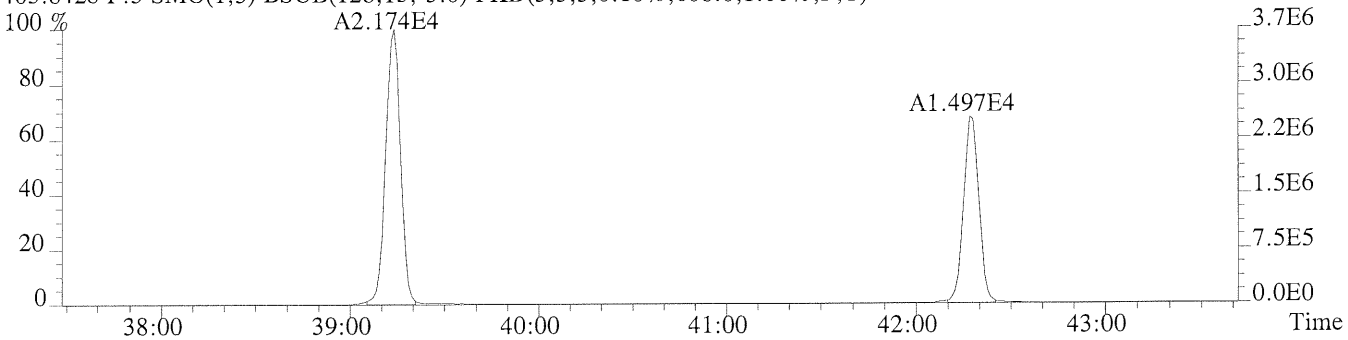
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



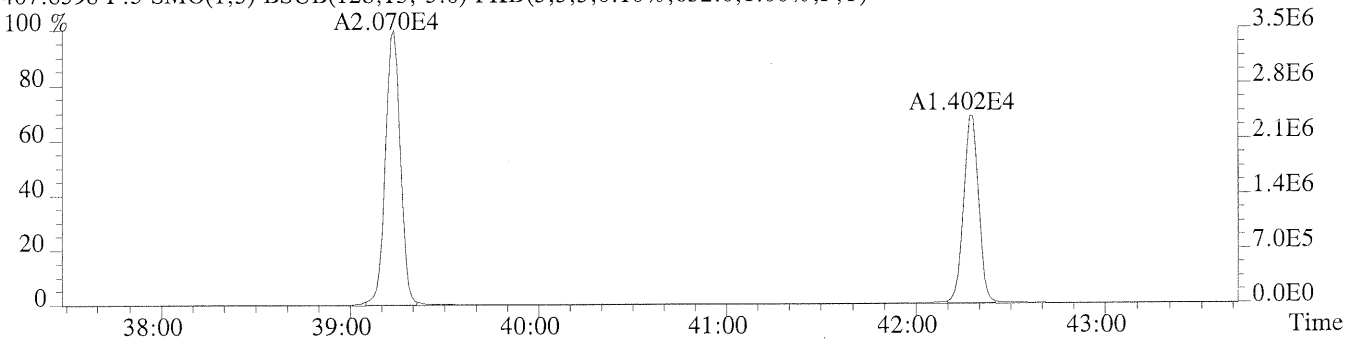
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,684.0,1.00%,F,T)



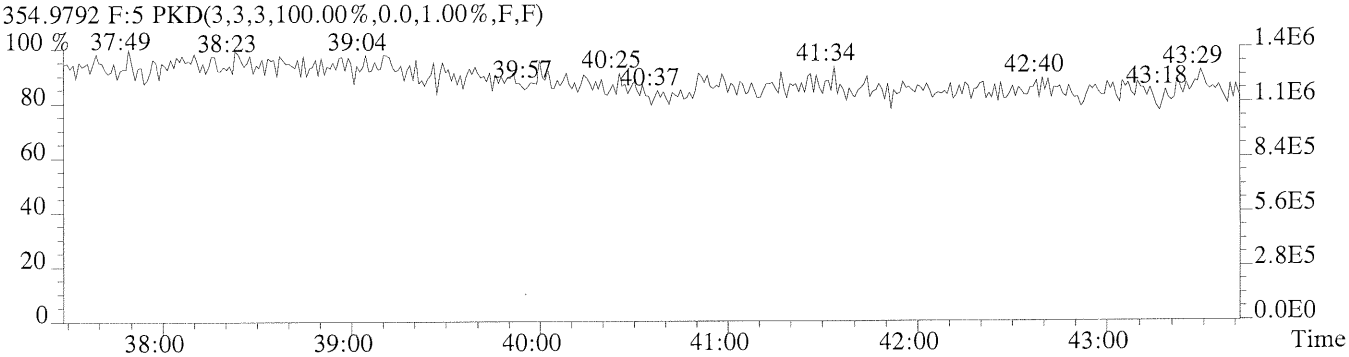
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,608.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,652.0,1.00%,F,T)

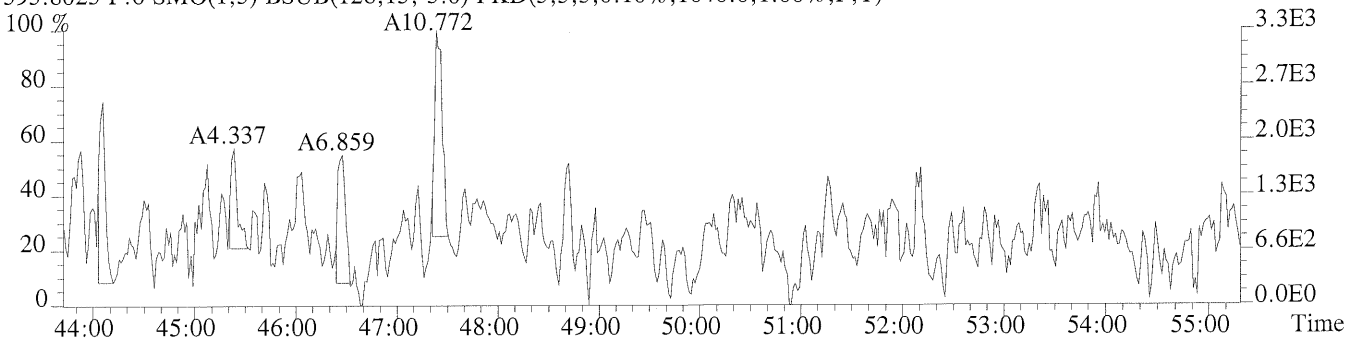


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

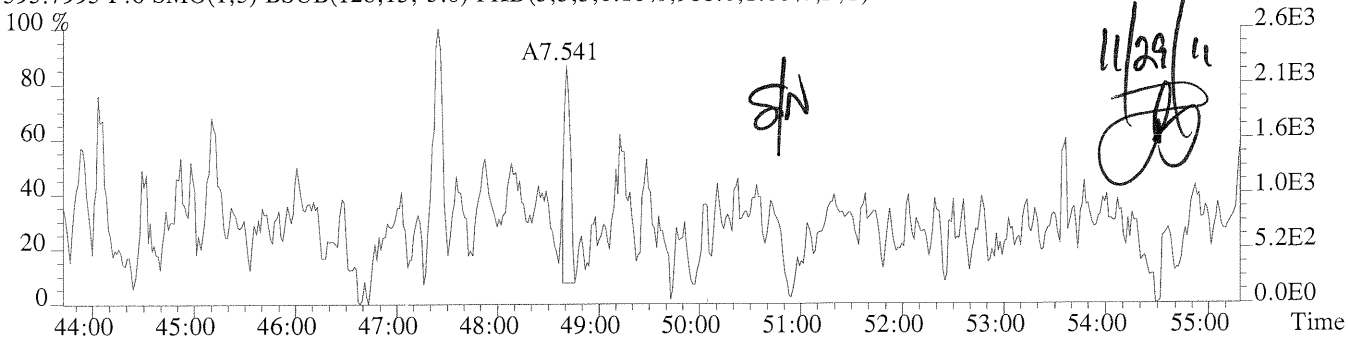


File:U142158 #1-575 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

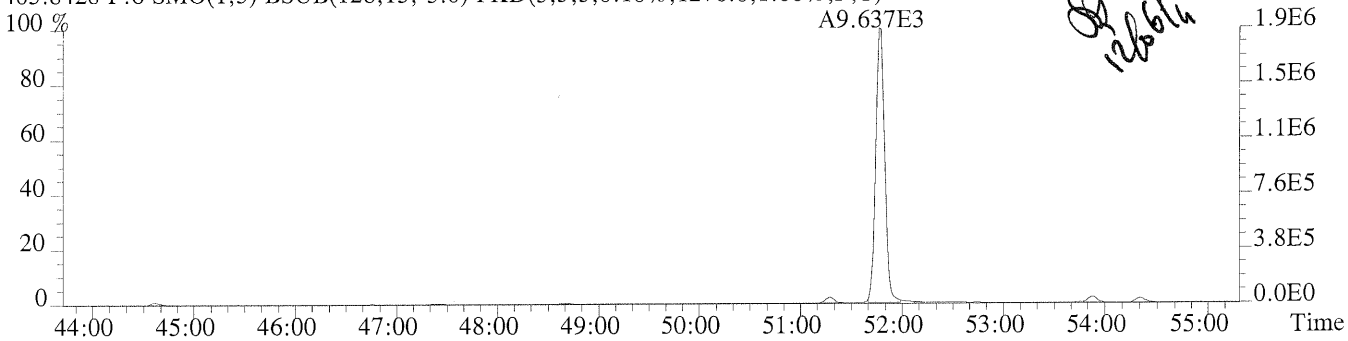
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



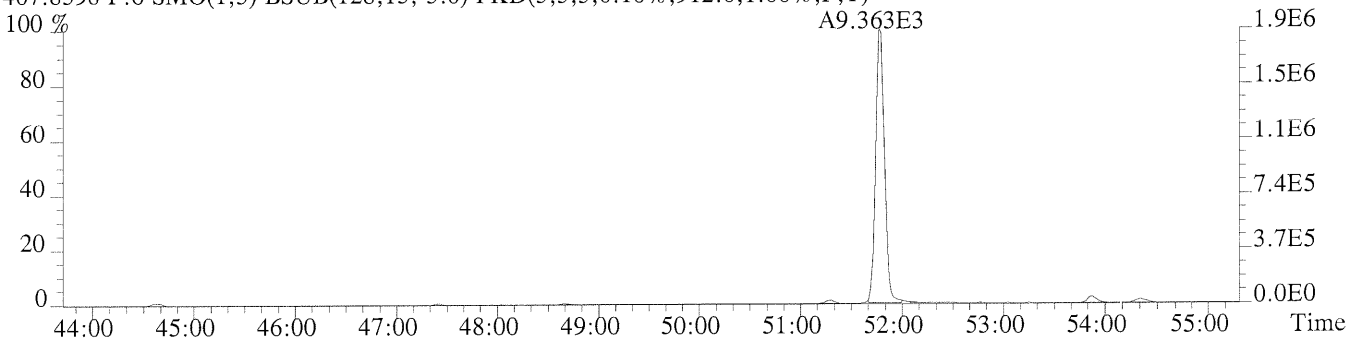
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,988.0,1.00%,F,T)



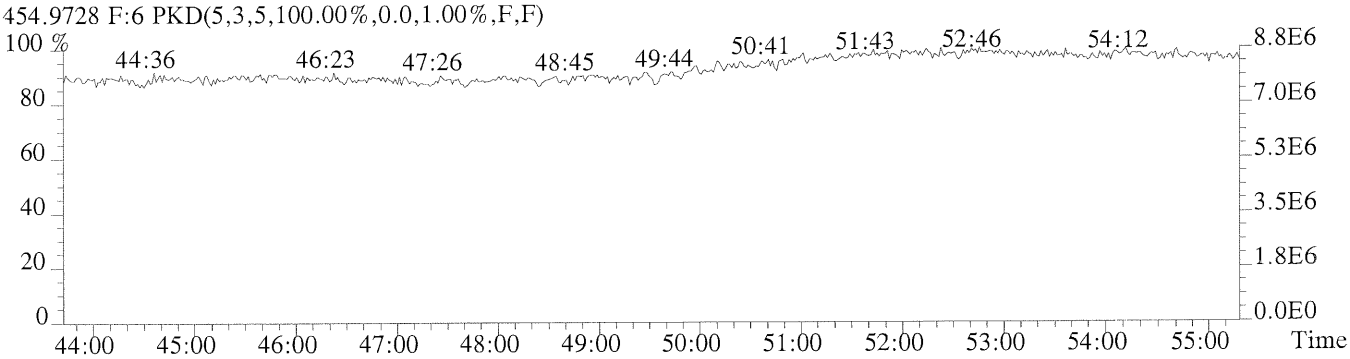
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1276.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)

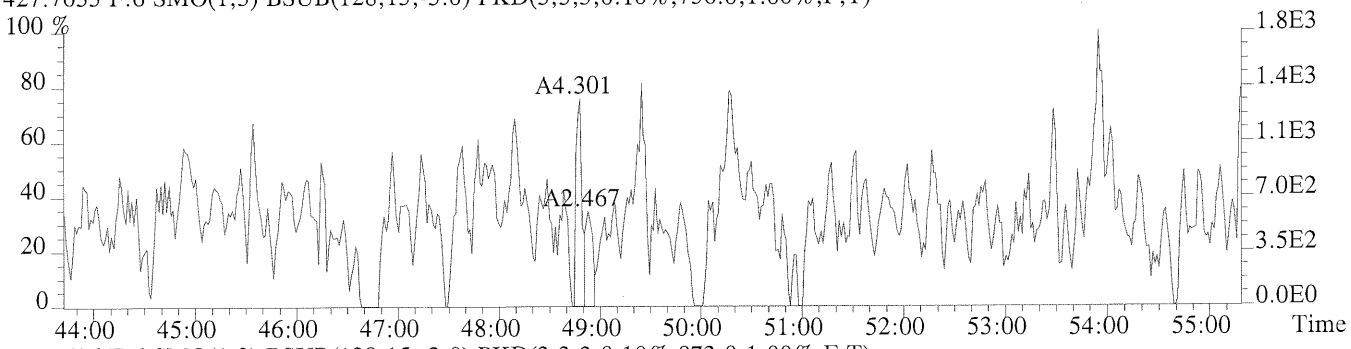


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

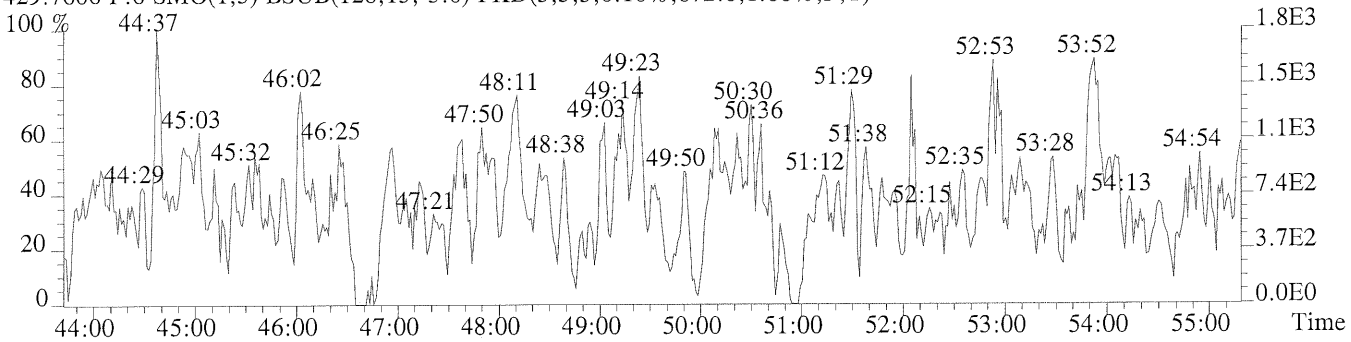


File:U142158 #1-575 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

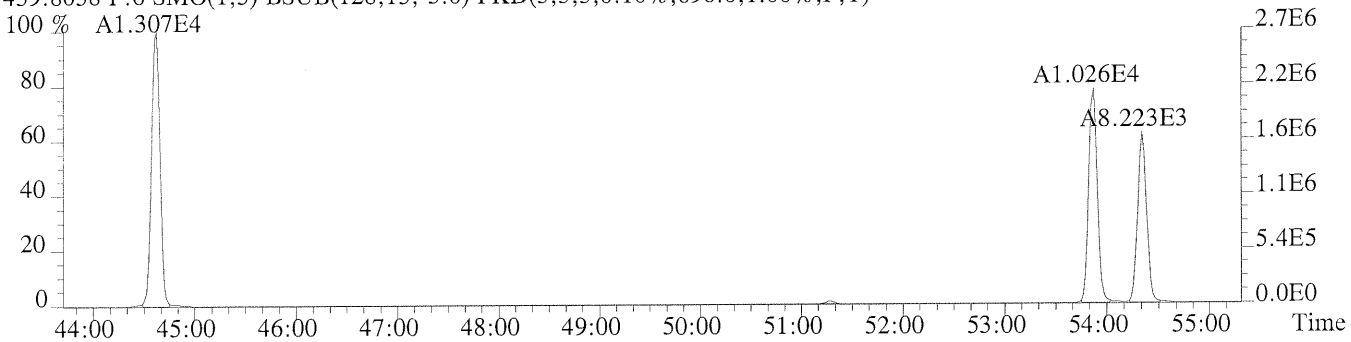
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,756.0,1.00%,F,T)



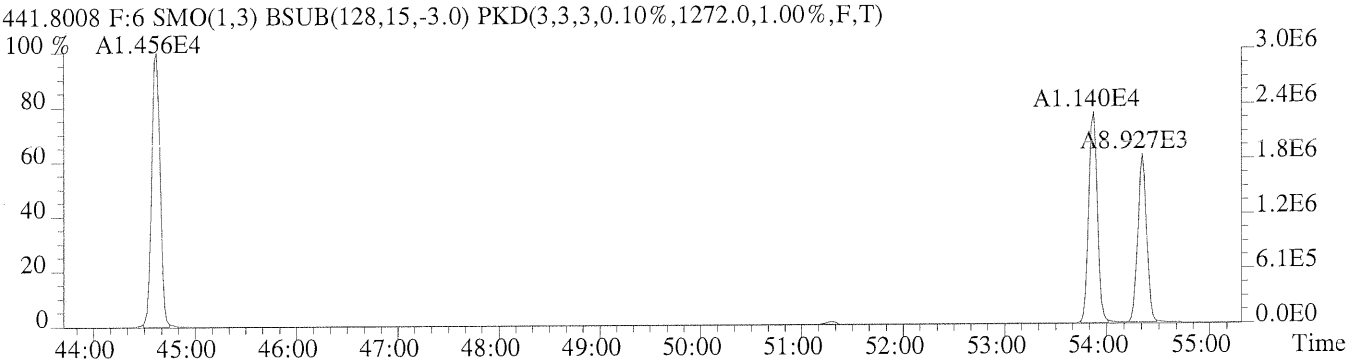
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



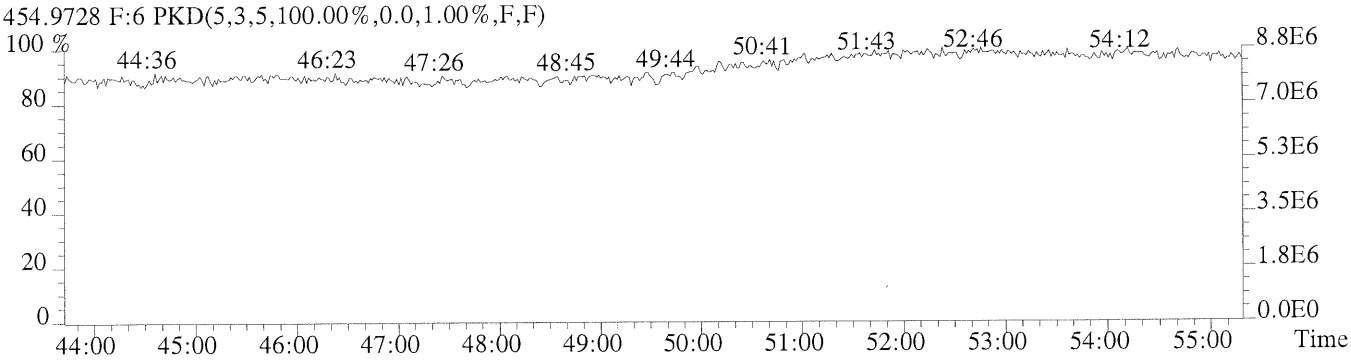
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,696.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1272.0,1.00%,F,T)

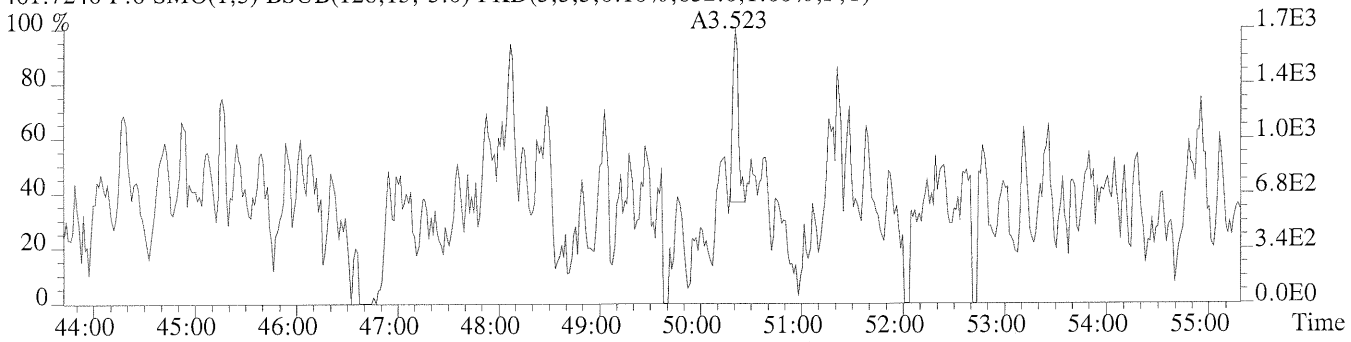


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

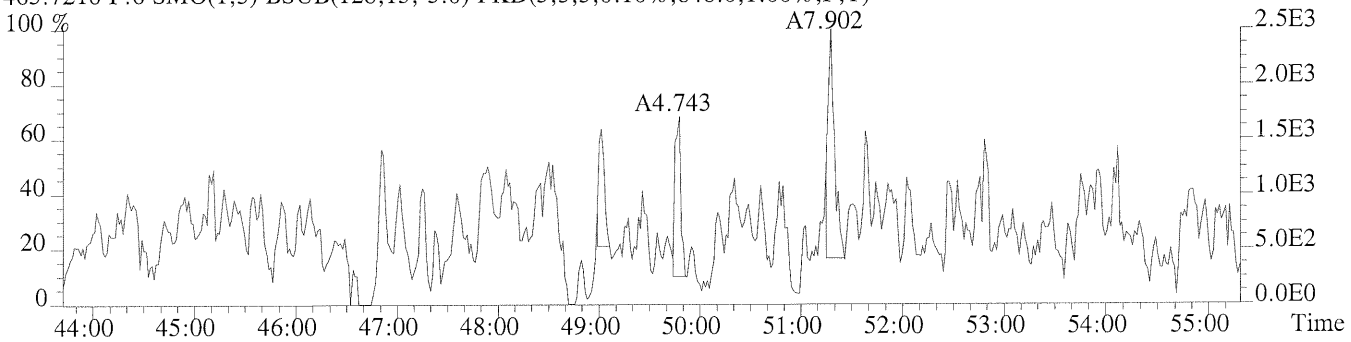


File:U142158 #1-575 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

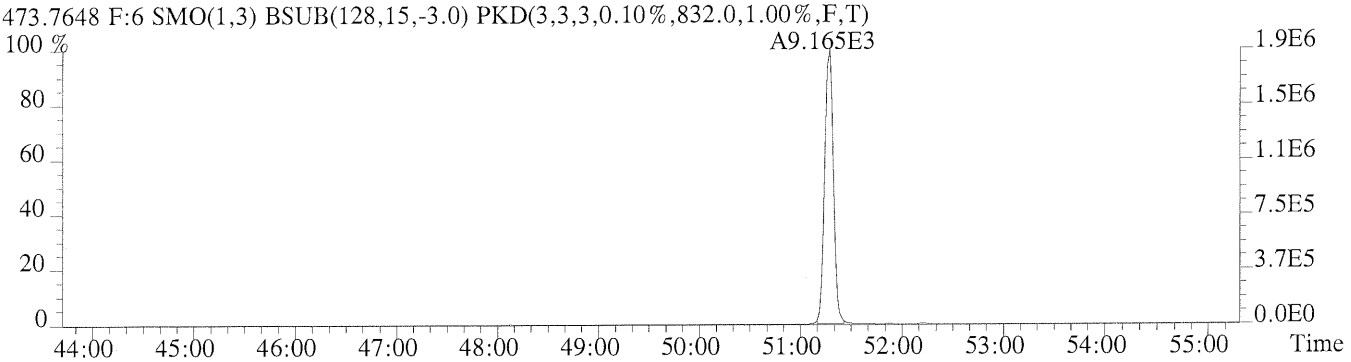
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,832.0,1.00%,F,T)



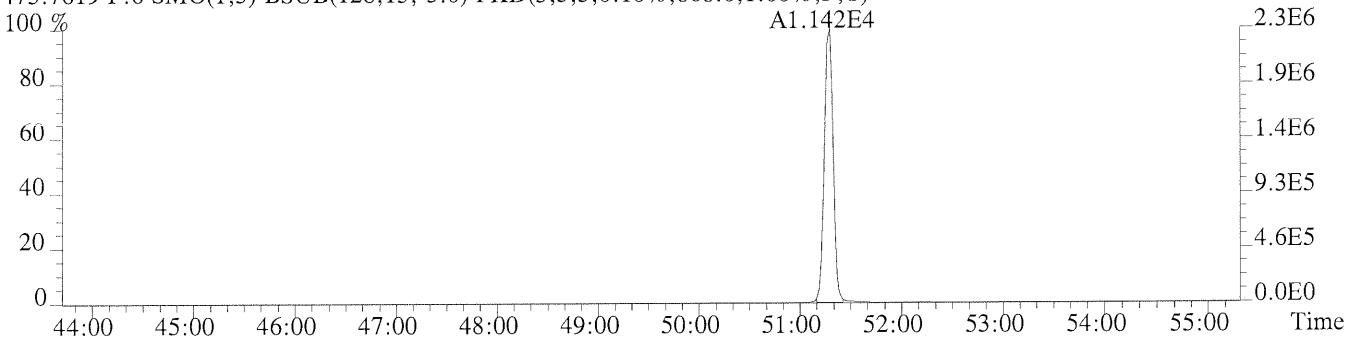
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,848.0,1.00%,F,T)



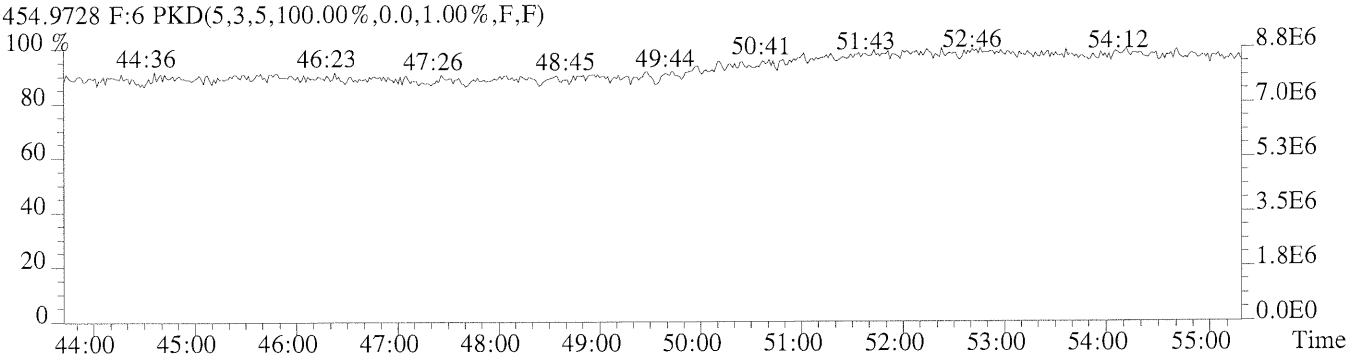
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,832.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)

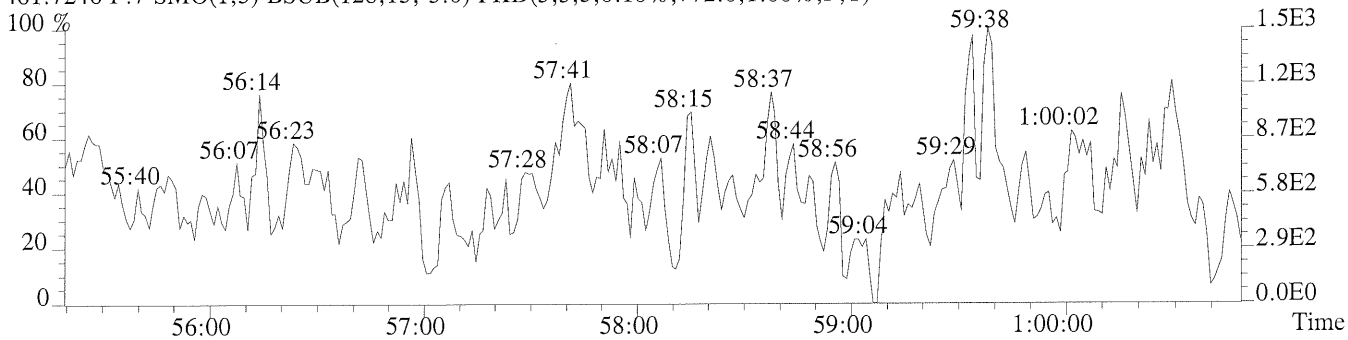


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

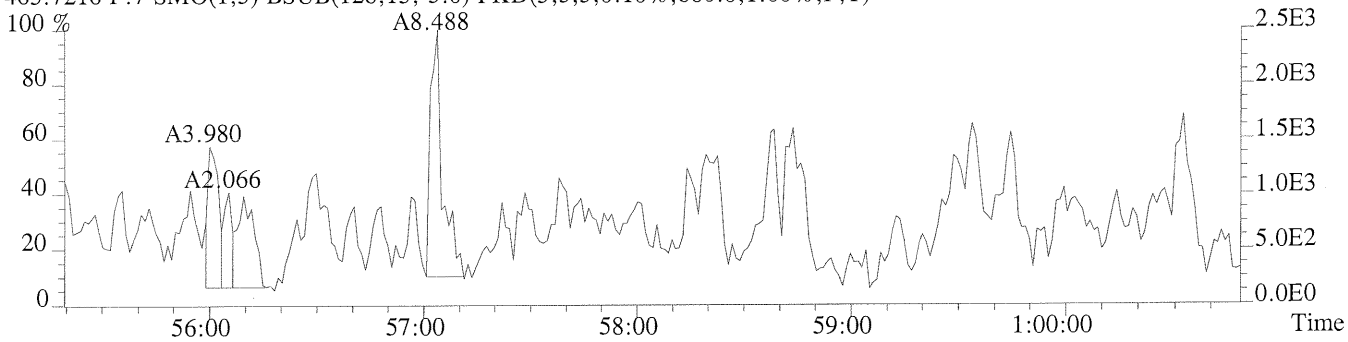


File:U142158 #1-310 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

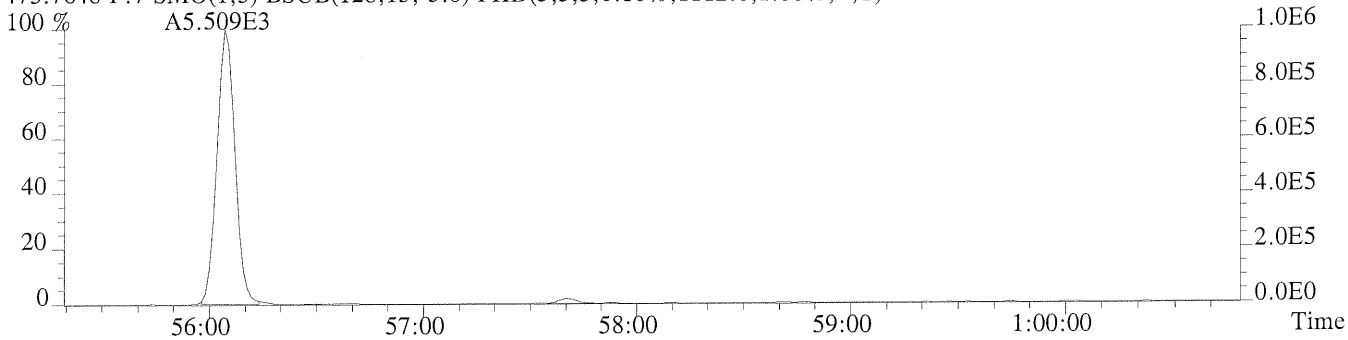
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,772.0,1.00%,F,T)



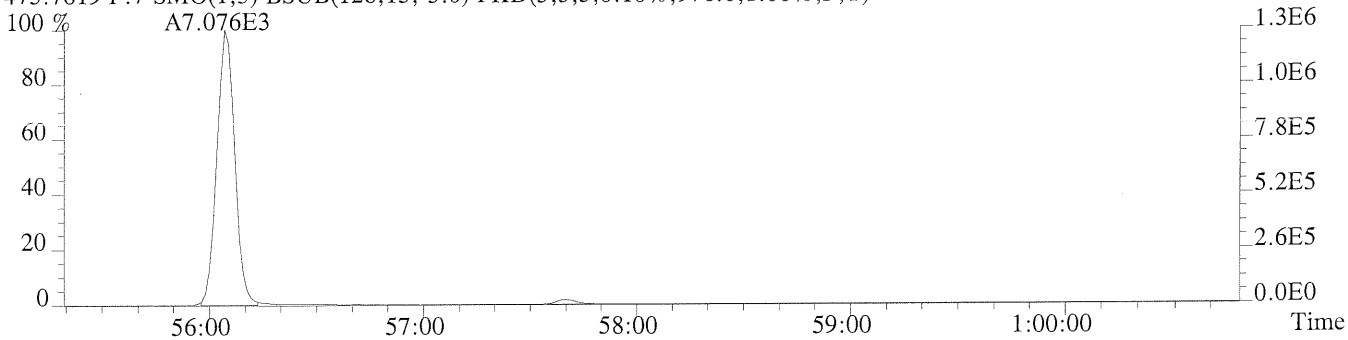
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)



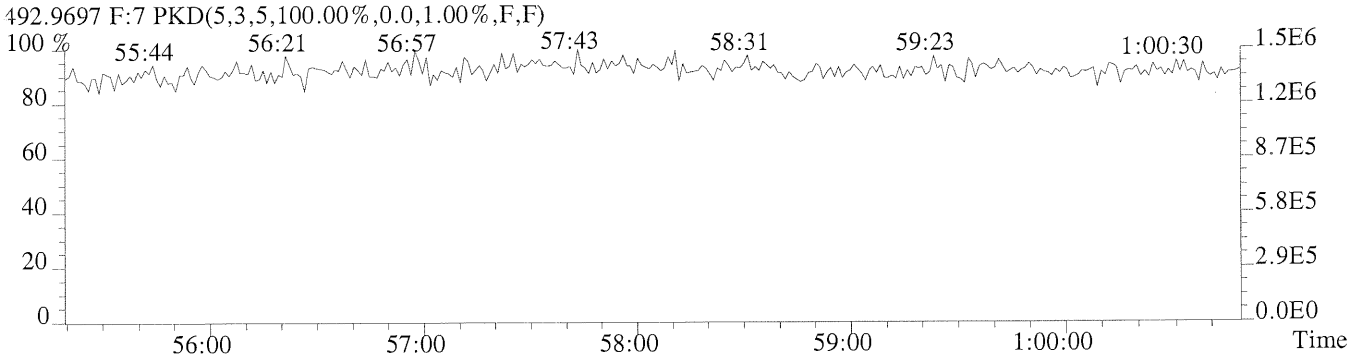
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1112.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)

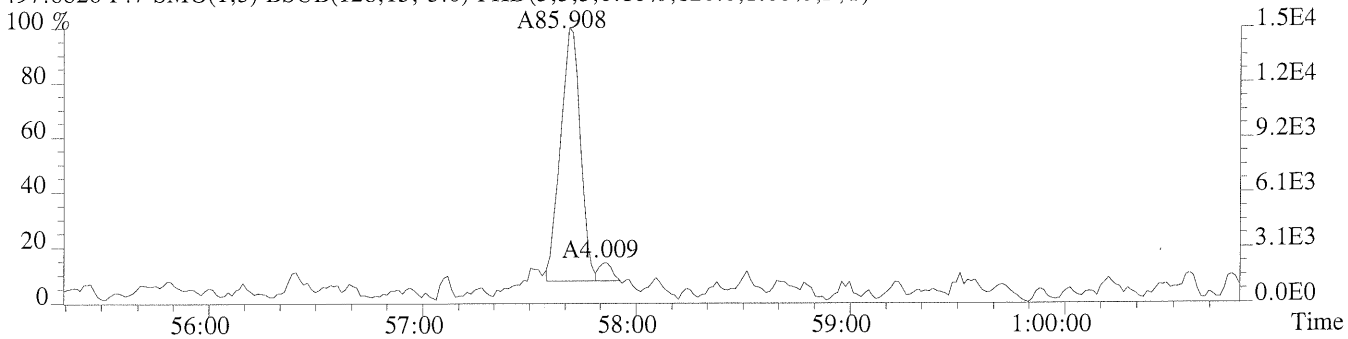


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

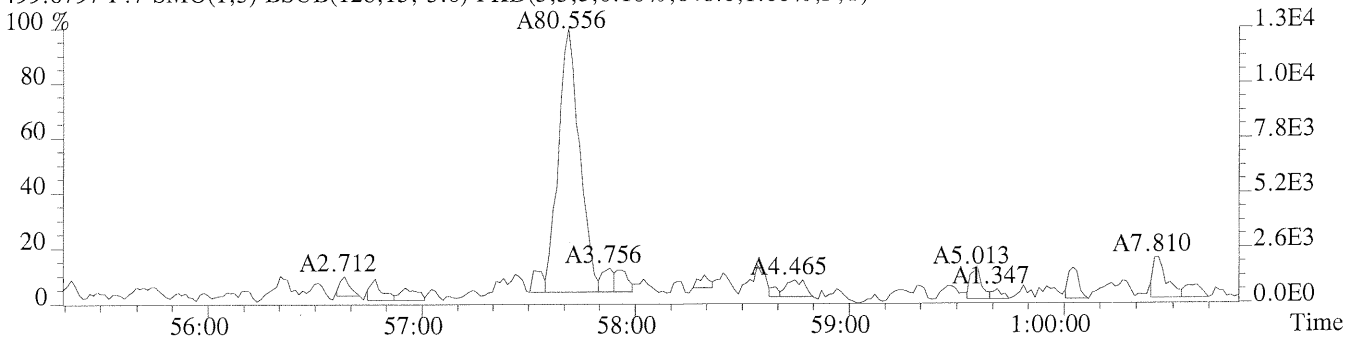


File:U142158 #1-310 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L

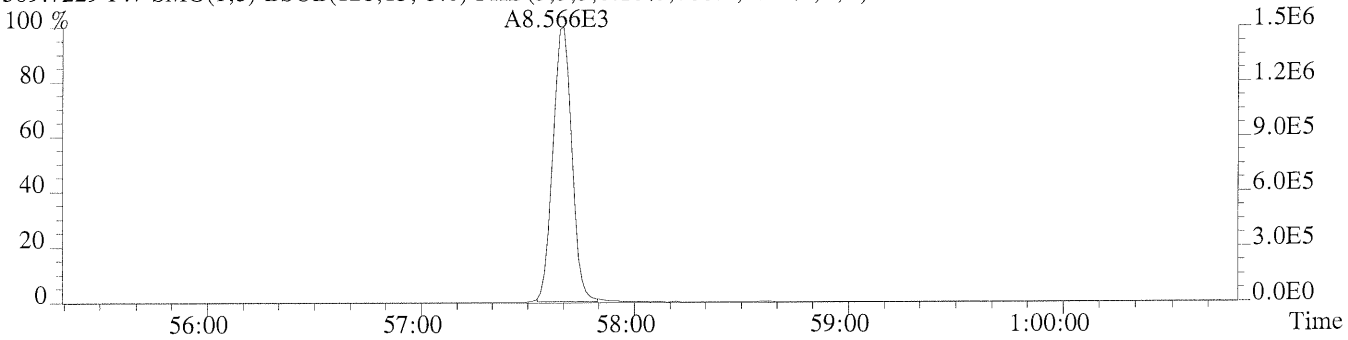
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



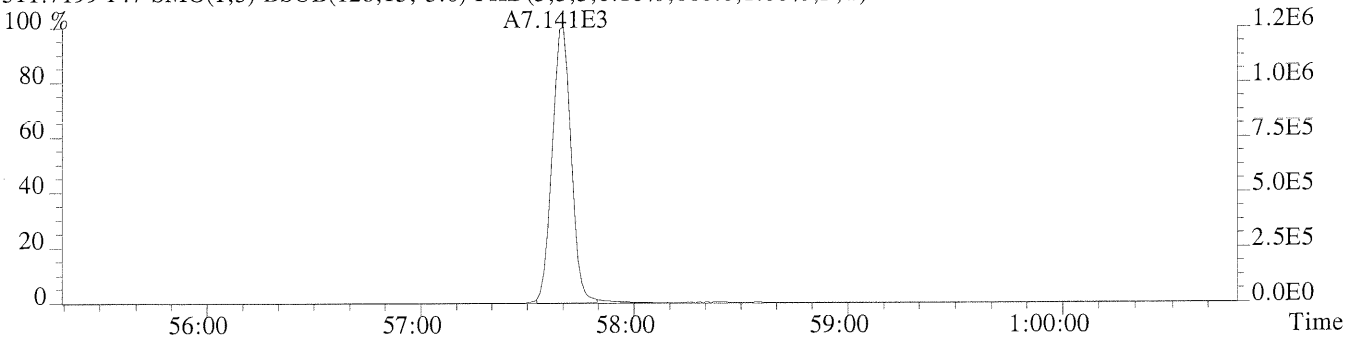
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,648.0,1.00%,F,T)



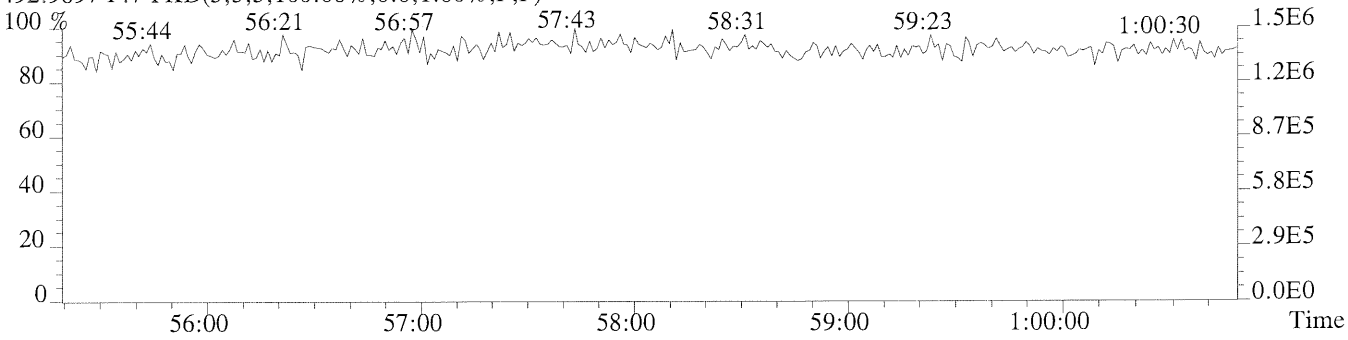
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,708.0,1.00%,F,T)



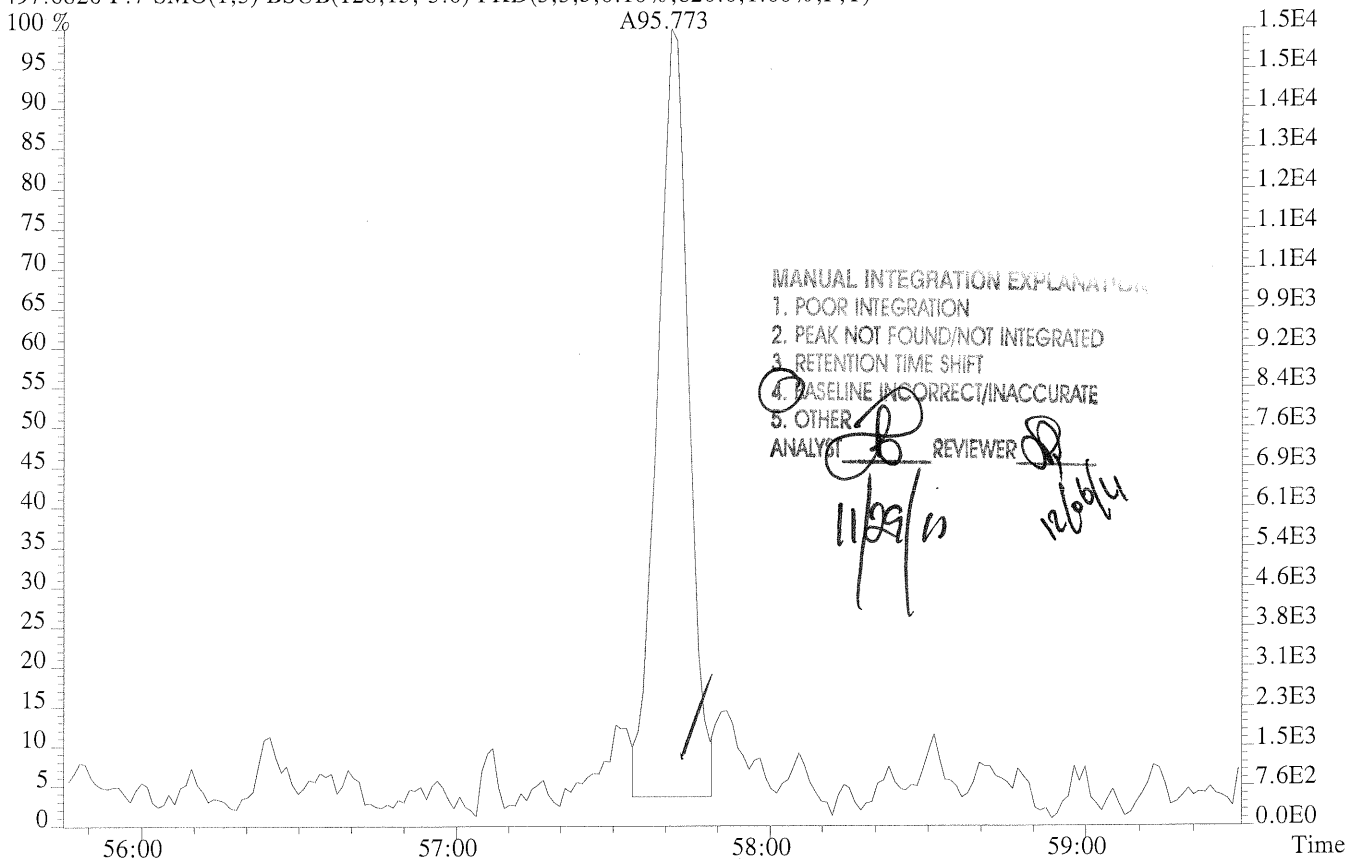
511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,668.0,1.00%,F,T)



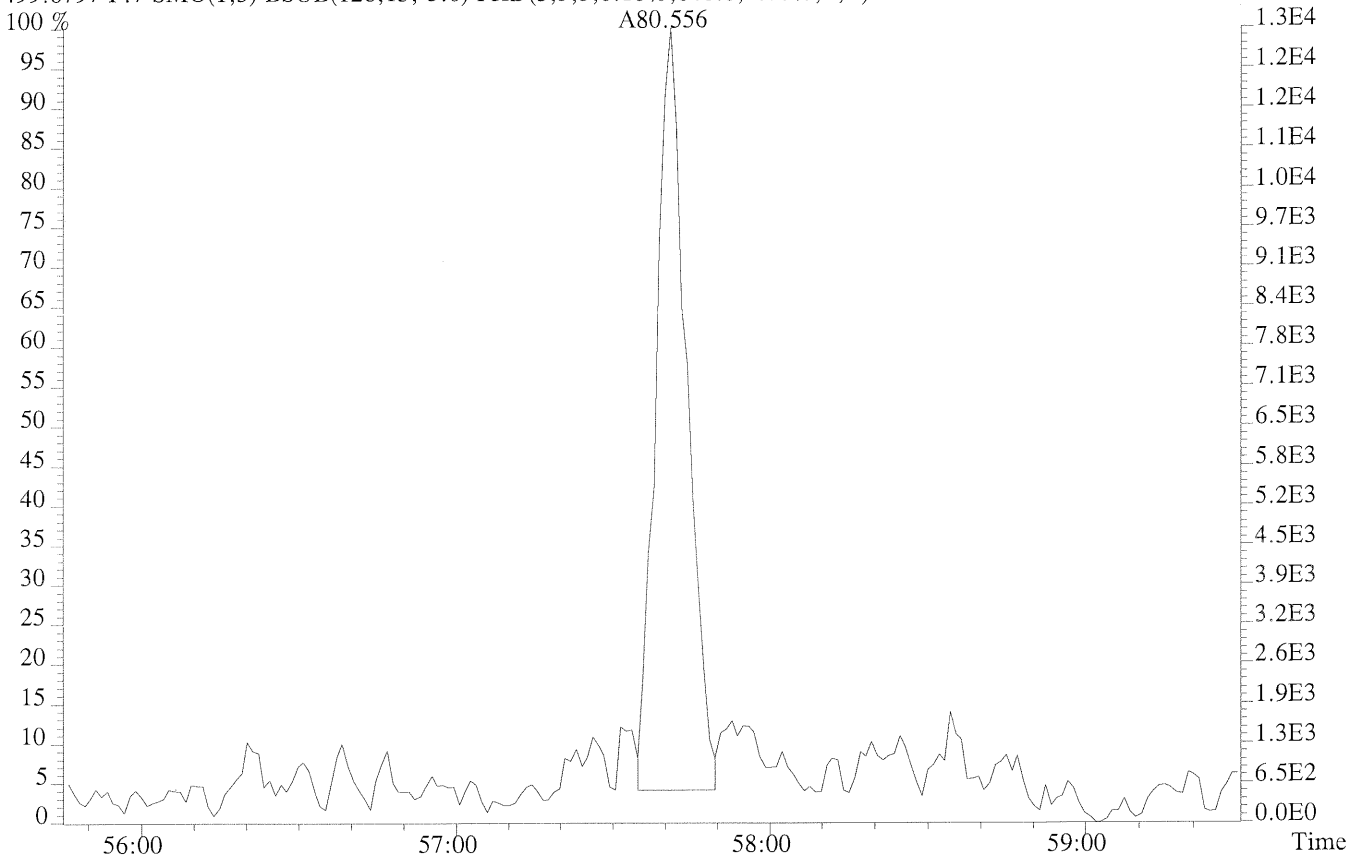
492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



File:U142158 #1-310 Acq:22-NOV-2011 11:58:08 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-001 KC91-157L
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,648.0,1.00%,F,T)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
KC91-157U

#11 Filename U142159 Samp: 1 Inj: 1 Acquired: 22-NOV-11 13:06:23
Processed: 29-NOV-11 11:07:11 Sample ID: E1101076-002

	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
	1	PCB-1	NotFnd	*	*	*	n	n	1.071
	1	PCB-2	NotFnd	*	*	*	n	y	1.004
3	1	PCB-3	NotFnd	*	*	*	n	y	1.036
4	1	PCB-4	NotFnd	*	*	*	n	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	1.968
6	2	PCB-9	NotFnd	*	*	*	n	n	1.083
7	2	PCB-7	NotFnd	*	*	*	n	n	1.027
8	2	PCB-6	NotFnd	*	*	*	n	n	1.162
9	2	PCB-5	NotFnd	*	*	*	n	n	0.915
10	2	PCB-8	NotFnd	*	*	*	n	y	1.243
11	2	PCB-14	NotFnd	*	*	*	n	n	1.131
12	2	PCB-11	21:18	5.824e+02	3.744e+02	1.56	y	y	1.034
13	2	PCB-12/13	NotFnd	*	*	*	n	n	0.988
14	2	PCB-15	NotFnd	*	*	*	n	n	0.977
15	2	PCB-19	NotFnd	*	*	*	n	n	1.001
16	2	PCB-18/30	20:59	8.266e+01	8.177e+01	1.01	y	y	1.386
17	2	PCB-17	NotFnd	*	*	*	n	y	1.075
18	2	PCB-27	NotFnd	*	*	*	n	n	1.675
19	2	PCB-24	NotFnd	*	*	*	n	n	1.490
20	2	PCB-16	21:52	2.683e+01	2.872e+01	0.93	y	y	0.872
21	2	PCB-32	22:23	2.249e+01	2.305e+01	0.98	y	y	1.748
22	3	PCB-34	NotFnd	*	*	*	n	n	1.403
23	3	PCB-23	NotFnd	*	*	*	n	n	1.296
24	3	PCB-26/29	NotFnd	*	*	*	n	n	1.354
25	3	PCB-25	NotFnd	*	*	*	n	n	1.418
26	3	PCB-31	24:41	5.802e+01	5.612e+01	1.03	y	y	1.399
27	3	PCB-20/28	24:59	7.270e+01	5.973e+01	1.22	n	y	1.298
28	3	PCB-21/33	NotFnd	*	*	*	n	n	1.361
29	3	PCB-22	NotFnd	*	*	*	n	y	1.202
30	3	PCB-36	NotFnd	*	*	*	n	n	1.412
31	3	PCB-39	NotFnd	*	*	*	n	n	1.306
32	3	PCB-38	NotFnd	*	*	*	n	n	1.302
33	3	PCB-35	NotFnd	*	*	*	n	n	1.275
34	3	PCB-37	NotFnd	*	*	*	n	n	1.089
35	2	PCB-54	NotFnd	*	*	*	n	n	1.002
36	3	PCB-50/53	NotFnd	*	*	*	n	y	1.161
37	3	PCB-45/51	NotFnd	*	*	*	n	n	1.130
38	3	PCB-46	NotFnd	*	*	*	n	n	0.939
39	3	PCB-52	26:51	7.856e+01	1.079e+02	0.73	y	y	1.276
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.211
41	3	PCB-49/69	27:20	3.633e+01	3.419e+01	1.06	n	y	1.368
42	3	PCB-48	NotFnd	*	*	*	n	y	1.138
43	3	PCB-44/47/65	27:52	7.305e+01	1.152e+02	0.63	n	y	1.252
44	3	PCB-59/62/75	NotFnd	*	*	*	n	n	1.513
45	3	PCB-42	NotFnd	*	*	*	n	y	1.099
46	3	PCB-40/41/71	NotFnd	*	*	*	n	y	1.136
47	3	PCB-64	NotFnd	*	*	*	n	n	1.573
48	3	PCB-72	NotFnd	*	*	*	n	n	1.602
49	3	PCB-68	NotFnd	*	*	*	n	n	1.574
50	3	PCB-57	NotFnd	*	*	*	n	n	1.462

1	3	PCB-58	NotFnd	*	*	*	n	n	1.396
2	3	PCB-67	NotFnd	*	*	*	n	n	1.472
3	3	PCB-63	NotFnd	*	*	*	n	n	1.467
4	3	PCB-61/70/74/76	31:38	7.750e+01	8.784e+01	0.88	y	y	1.431
5	3	PCB-66	32:00	3.559e+01	4.358e+01	0.82	y	y	1.475
6	3	PCB-55	NotFnd	*	*	*	n	n	1.369
7	4	PCB-56	NotFnd	*	*	*	n	n	0.889
8	4	PCB-60	NotFnd	*	*	*	n	n	1.113
9	4	PCB-80	NotFnd	*	*	*	n	n	1.216
0	4	PCB-79	NotFnd	*	*	*	n	n	1.191
1	4	PCB-78	NotFnd	*	*	*	n	n	1.069
2	4	PCB-81	NotFnd	*	*	*	n	n	1.034
3	4	PCB-77	NotFnd	*	*	*	n	n	0.995
4	3	PCB-104	NotFnd	*	*	*	n	n	1.030
	3	PCB-96	NotFnd	*	*	*	n	n	1.715
	3	PCB-103	NotFnd	*	*	*	n	n	1.443
	3	PCB-94	NotFnd	*	*	*	n	n	1.156
8	3	PCB-95	30:47	6.095e+01	4.808e+01	1.27	n	y	1.328
9	3	PCB-93/100	NotFnd	*	*	*	n	n	1.213
0	3	PCB-98/102	NotFnd	*	*	*	n	n	1.236
1	3	PCB-88/91	NotFnd	*	*	*	n	n	1.254
72	3	PCB-84	NotFnd	*	*	*	n	y	1.046
73	3	PCB-89	NotFnd	*	*	*	n	n	1.240
74	4	PCB-121	NotFnd	*	*	*	n	n	1.497
75	4	PCB-92	NotFnd	*	*	*	n	n	1.115
76	4	PCB-90/101/113	33:45	6.504e+01	4.509e+01	1.44	y	y	1.208
77	4	PCB-83/99	NotFnd	*	*	*	n	y	1.030
78	4	PCB-112	NotFnd	*	*	*	n	n	1.560
79	4	PCB-86/87/97/109/119/125	NotFnd	*	*	*	n	y	1.206
0	4	PCB-117	NotFnd	*	*	*	n	n	1.070
81	4	PCB-85/116	NotFnd	*	*	*	n	y	1.352
82	4	PCB-110/115	35:43	9.751e+01	4.514e+01	2.16	n	y	1.384
3	4	PCB-82	NotFnd	*	*	*	n	n	0.922
4	4	PCB-111	NotFnd	*	*	*	n	n	1.325
5	4	PCB-120	NotFnd	*	*	*	n	n	1.425
6	5	PCB-108/124	NotFnd	*	*	*	n	n	1.016
7	5	PCB-107	NotFnd	*	*	*	n	n	1.028
8	5	PCB-123	NotFnd	*	*	*	n	n	1.018
9	5	PCB-106	NotFnd	*	*	*	n	n	1.046
90	5	PCB-118	38:45	5.658e+01	4.308e+01	1.31	n	y	0.997
91	5	PCB-122	NotFnd	*	*	*	n	n	0.934
92	5	PCB-114	NotFnd	*	*	*	n	n	0.991
93	5	PCB-105	NotFnd	*	*	*	n	y	1.011
94	5	PCB-127	NotFnd	*	*	*	n	n	0.908
95	5	PCB-126	NotFnd	*	*	*	n	n	0.960
96	4	PCB-155	NotFnd	*	*	*	n	n	0.988
97	4	PCB-152	NotFnd	*	*	*	n	n	2.314
98	4	PCB-150	NotFnd	*	*	*	n	n	2.233
99	4	PCB-136	NotFnd	*	*	*	n	n	2.253
0	4	PCB-145	NotFnd	*	*	*	n	n	2.133
	4	PCB-148	NotFnd	*	*	*	n	n	1.715
2	4	PCB-135/151	NotFnd	*	*	*	n	y	1.644
	4	PCB-154	NotFnd	*	*	*	n	n	1.860
4	4	PCB-144	NotFnd	*	*	*	n	n	1.697
05	5	PCB-147/149	37:34	4.438e+01	2.392e+01	1.86	n	y	1.341
06	5	PCB-134	NotFnd	*	*	*	n	n	1.083
07	5	PCB-143	NotFnd	*	*	*	n	n	1.340

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.341
109	5	PCB-131	NotFnd	*	*	*	n	n	1.189
110	5	PCB-142	NotFnd	*	*	*	n	n	1.185
111	5	PCB-132	NotFnd	*	*	*	n	y	1.149
112	5	PCB-133	NotFnd	*	*	*	n	n	1.260
113	5	PCB-165	NotFnd	*	*	*	n	n	1.502
114	5	PCB-146	NotFnd	*	*	*	n	n	1.383
115	5	PCB-161	NotFnd	*	*	*	n	n	1.737
116	5	PCB-153/168	40:36	3.795e+01	2.896e+01	1.31	y	y	1.519
117	5	PCB-141	NotFnd	*	*	*	n	n	1.233
118	5	PCB-130	NotFnd	*	*	*	n	n	1.187
119	5	PCB-137	NotFnd	*	*	*	n	n	1.541
120	5	PCB-164	NotFnd	*	*	*	n	n	1.541
121	5	PCB-129/138/163	41:52	5.319e+01	4.791e+01	1.11	y	y	1.238
122	5	PCB-160	NotFnd	*	*	*	n	n	1.515
123	5	PCB-158	NotFnd	*	*	*	n	n	1.614
124	5	PCB-128/166	NotFnd	*	*	*	n	n	1.281
125	6	PCB-159	NotFnd	*	*	*	n	n	0.910
126	6	PCB-162	NotFnd	*	*	*	n	n	0.452
127	6	PCB-167	NotFnd	*	*	*	n	n	1.008
128	6	PCB-156/157	NotFnd	*	*	*	n	n	1.006
129	6	PCB-169	NotFnd	*	*	*	n	n	0.992
130	5	PCB-188	NotFnd	*	*	*	n	n	0.990
131	5	PCB-179	NotFnd	*	*	*	n	n	1.556
132	5	PCB-184	NotFnd	*	*	*	n	n	1.593
133	5	PCB-176	NotFnd	*	*	*	n	n	1.527
134	5	PCB-186	NotFnd	*	*	*	n	n	1.425
135	5	PCB-178	NotFnd	*	*	*	n	n	1.087
136	5	PCB-175	NotFnd	*	*	*	n	n	1.138
137	5	PCB-187	NotFnd	*	*	*	n	n	1.158
138	5	PCB-182	NotFnd	*	*	*	n	n	1.120
139	6	PCB-183	NotFnd	*	*	*	n	n	0.770
140	6	PCB-185	NotFnd	*	*	*	n	n	0.612
141	6	PCB-174	NotFnd	*	*	*	n	n	0.619
142	6	PCB-177	NotFnd	*	*	*	n	n	0.581
143	6	PCB-181	NotFnd	*	*	*	n	n	0.614
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.575
145	6	PCB-172	NotFnd	*	*	*	n	n	0.566
146	6	PCB-192	NotFnd	*	*	*	n	n	0.689
147	6	PCB-180/193	NotFnd	*	*	*	n	n	0.666
148	6	PCB-191	NotFnd	*	*	*	n	n	0.759
149	6	PCB-170	NotFnd	*	*	*	n	n	0.524
150	6	PCB-190	NotFnd	*	*	*	n	n	0.699
151	6	PCB-189	NotFnd	*	*	*	n	n	0.863
152	6	PCB-202	NotFnd	*	*	*	n	n	0.863
153	6	PCB-201	NotFnd	*	*	*	n	n	1.375
154	6	PCB-204	NotFnd	*	*	*	n	n	1.323
155	6	PCB-197	NotFnd	*	*	*	n	n	1.282
156	6	PCB-200	NotFnd	*	*	*	n	n	1.320
157	6	PCB-198/199	NotFnd	*	*	*	n	n	0.857
158	6	PCB-196	NotFnd	*	*	*	n	n	0.867
159	6	PCB-203	NotFnd	*	*	*	n	n	0.915
160	6	PCB-195	NotFnd	*	*	*	n	n	0.774
161	6	PCB-194	NotFnd	*	*	*	n	n	0.763
162	6	PCB-205	NotFnd	*	*	*	n	n	0.889
163	6	PCB-208	NotFnd	*	*	*	n	n	0.880
164	6	PCB-207	NotFnd	*	*	*	n	n	1.335

Filename U142159 Acquired: 22-NOV-11 13:06:23

16	7	PCB-206	NotFnd	*	*	*	n	n	0.931
	7	PCB-209	57:41	7.371e+01	5.045e+01	1.46	n	y	0.894
	1	PCB-1L	13:20	2.479e+04	8.132e+03	3.05	y	n	1.220
	1	PCB-3L	15:36	2.631e+04	8.325e+03	3.16	y	n	1.173
	1	PCB-4L	15:51	1.630e+04	1.059e+04	1.54	y	n	0.803
	2	PCB-15L	21:54	1.819e+04	1.186e+04	1.53	y	n	0.962
	2	PCB-19L	19:03	1.192e+04	1.146e+04	1.04	y	n	0.636
	3	PCB-37L	29:02	1.465e+04	1.454e+04	1.01	y	n	1.144
173	2	PCB-54L	22:11	1.326e+04	1.648e+04	0.80	y	n	1.140
174	4	PCB-81L	35:50	1.066e+04	1.378e+04	0.77	y	n	0.947
175	4	PCB-77L	36:24	1.138e+04	1.440e+04	0.79	y	n	0.949
176	3	PCB-104L	27:46	2.096e+04	1.320e+04	1.59	y	n	1.397
177	5	PCB-123L	38:23	1.350e+04	8.695e+03	1.55	y	n	1.029
178	5	PCB-118L	38:43	1.401e+04	9.223e+03	1.52	y	n	1.077
179	5	PCB-114L	39:15	1.344e+04	8.490e+03	1.58	y	n	1.075
180	5	PCB-105L	39:54	1.282e+04	8.384e+03	1.53	y	n	1.013
181	5	PCB-126L	43:00	1.119e+04	7.238e+03	1.55	y	n	0.898
182	4	PCB-155L	33:29	1.979e+04	1.570e+04	1.26	y	n	1.637
183	6	PCB-167L	44:52	8.562e+03	7.014e+03	1.22	y	n	0.882
184	6	PCB-156/157L	46:01	1.630e+04	1.312e+04	1.24	y	n	0.818
185	6	PCB-169L	49:16	6.748e+03	5.561e+03	1.21	y	n	0.716
186	5	PCB-188L	39:13	1.652e+04	1.559e+04	1.06	y	n	2.358
187	6	PCB-189L	51:46	7.156e+03	6.892e+03	1.04	y	n	1.307
188	6	PCB-202L	44:37	9.848e+03	1.093e+04	0.90	y	n	1.804
189	6	PCB-205L	54:20	5.972e+03	6.780e+03	0.88	y	n	1.363
190	6	PCB-208L	51:16	6.666e+03	8.470e+03	0.79	y	n	1.337
191	7	PCB-206L	56:04	4.348e+03	5.422e+03	0.80	y	n	0.998
192	7	PCB-209L	57:39	6.345e+03	5.351e+03	1.19	y	n	1.563
193	3	PCB-28L	24:58	1.883e+04	1.833e+04	1.03	y	n	1.387
194	4	PCB-111L	36:26	2.052e+04	1.348e+04	1.52	y	n	1.238
195	5	PCB-178L	42:17	1.105e+04	1.050e+04	1.05	y	n	0.953
196	2	PCB-9L	17:54	3.074e+04	1.965e+04	1.56	y	n	-
197	3	PCB-52L	26:49	2.134e+04	2.771e+04	0.77	y	n	-
198	4	PCB-101L	33:43	2.719e+04	1.716e+04	1.58	y	n	-
199	5	PCB-138L	41:50	1.943e+04	1.553e+04	1.25	y	n	-
200	6	PCB-194L	53:52	8.228e+03	8.941e+03	0.92	y	n	-

-- Sample Calculation--

5.852e+01

PCB-209 = (7.371e+01 + 5.045e+01) x 10000 pg x 1 / (6.345e+03 + 5.351e+03) x (970 mL) x (1L / 1000 mL) x 0.8938 = 1528 pg/L

12/07/11

A1 = A2 X 1.16

= 5.852e+01

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sp166respb
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
KC91-157U

Run #11 Filename U142159#1 Samp: 1 Inj: 1 Acquired: 22-NOV-11 13:06:23

Processed: 29-NOV-11 11:07:11 LAB. ID: E1101076-002

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.26e+03	*	*	8.60e+02	*
2	PCB-2	*	1.26e+03	*	*	8.60e+02	*
3	PCB-3	*	1.26e+03	*	*	8.60e+02	*
4	PCB-4	*	1.11e+03	*	*	1.08e+04	*
5	PCB-10	*	1.11e+03	*	*	1.08e+04	*
6	PCB-9	*	9.64e+02	*	*	8.04e+03	*
7	PCB-7	*	9.64e+02	*	*	8.04e+03	*
8	PCB-6	*	9.64e+02	*	*	8.04e+03	*
9	PCB-5	*	9.64e+02	*	*	8.04e+03	*
10	PCB-8	*	9.64e+02	*	*	8.04e+03	*
11	PCB-14	*	9.64e+02	*	*	8.04e+03	*
12	PCB-11	9.84e+04	9.64e+02	1.0e+02	5.71e+04	8.04e+03	7.1e+00
13	PCB-12/13	*	9.64e+02	*	*	8.04e+03	*
14	PCB-15	*	9.64e+02	*	*	8.04e+03	*
15	PCB-19	*	1.22e+03	*	*	6.32e+02	*
16	PCB-18/30	1.40e+04	1.22e+03	1.1e+01	1.39e+04	6.32e+02	2.2e+01
17	PCB-17	*	1.22e+03	*	*	6.32e+02	*
18	PCB-27	*	1.22e+03	*	*	6.32e+02	*
19	PCB-24	*	1.22e+03	*	*	6.32e+02	*
20	PCB-16	7.03e+03	1.22e+03	5.8e+00	5.60e+03	6.32e+02	8.9e+00
21	PCB-32	4.63e+03	1.22e+03	3.8e+00	4.79e+03	6.32e+02	7.6e+00
22	PCB-34	*	1.69e+03	*	*	1.19e+03	*
23	PCB-23	*	1.69e+03	*	*	1.19e+03	*
24	PCB-26/29	*	1.69e+03	*	*	1.19e+03	*
25	PCB-25	*	1.69e+03	*	*	1.19e+03	*
26	PCB-31	1.05e+04	1.69e+03	6.2e+00	1.05e+04	1.19e+03	8.8e+00
27	PCB-20/28	9.78e+03	1.69e+03	5.8e+00	8.80e+03	1.19e+03	7.4e+00
28	PCB-21/33	*	1.69e+03	*	*	1.19e+03	*
29	PCB-22	*	1.69e+03	*	*	1.19e+03	*
30	PCB-36	*	1.69e+03	*	*	1.19e+03	*
31	PCB-39	*	1.69e+03	*	*	1.19e+03	*
32	PCB-38	*	1.69e+03	*	*	1.19e+03	*
33	PCB-35	*	1.69e+03	*	*	1.19e+03	*
34	PCB-37	*	1.69e+03	*	*	1.19e+03	*
35	PCB-54	*	6.96e+02	*	*	7.92e+02	*
36	PCB-50/53	*	1.20e+03	*	*	1.01e+03	*
37	PCB-45/51	*	1.20e+03	*	*	1.01e+03	*
38	PCB-46	*	1.20e+03	*	*	1.01e+03	*
39	PCB-52	1.18e+04	1.20e+03	9.8e+00	1.88e+04	1.01e+03	1.9e+01
40	PCB-43/73	*	1.20e+03	*	*	1.01e+03	*
41	PCB-49/69	7.48e+03	1.20e+03	6.2e+00	6.48e+03	1.01e+03	6.4e+00
42	PCB-48	*	1.20e+03	*	*	1.01e+03	*
43	PCB-44/47/65	9.72e+03	1.20e+03	8.1e+00	1.61e+04	1.01e+03	1.6e+01
44	PCB-59/62/75	*	1.20e+03	*	*	1.01e+03	*
45	PCB-42	*	1.20e+03	*	*	1.01e+03	*
46	PCB-40/41/71	*	1.20e+03	*	*	1.01e+03	*
47	PCB-64	*	1.20e+03	*	*	1.01e+03	*

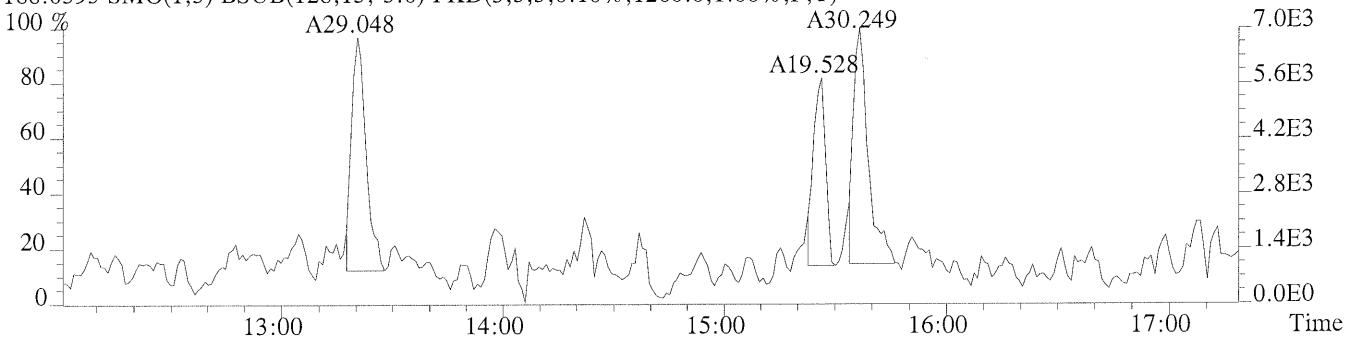
48	PCB-72	*	1.20e+03	*	*	1.01e+03	*
49	PCB-68	*	1.20e+03	*	*	1.01e+03	*
50	PCB-57	*	1.20e+03	*	*	1.01e+03	*
51	PCB-58	*	1.20e+03	*	*	1.01e+03	*
52	PCB-67	*	1.20e+03	*	*	1.01e+03	*
53	PCB-63	*	1.20e+03	*	*	1.01e+03	*
54	PCB-61/70/74/76	8.92e+03	1.20e+03	7.4e+00	1.16e+04	1.01e+03	1.1e+01
55	PCB-66	5.91e+03	1.20e+03	4.9e+00	6.05e+03	1.01e+03	6.0e+00
56	PCB-55	*	1.20e+03	*	*	1.01e+03	*
57	PCB-56	*	1.05e+03	*	*	8.44e+02	*
58	PCB-60	*	1.05e+03	*	*	8.44e+02	*
59	PCB-80	*	1.05e+03	*	*	8.44e+02	*
60	PCB-79	*	1.05e+03	*	*	8.44e+02	*
61	PCB-78	*	1.05e+03	*	*	8.44e+02	*
62	PCB-81	*	1.05e+03	*	*	8.44e+02	*
63	PCB-77	*	1.05e+03	*	*	8.44e+02	*
64	PCB-104	*	1.08e+03	*	*	9.36e+02	*
65	PCB-96	*	1.08e+03	*	*	9.36e+02	*
66	PCB-103	*	1.08e+03	*	*	9.36e+02	*
67	PCB-94	*	1.08e+03	*	*	9.36e+02	*
68	PCB-95	9.59e+03	1.08e+03	8.9e+00	8.35e+03	9.36e+02	8.9e+00
69	PCB-93/100	*	1.08e+03	*	*	9.36e+02	*
70	PCB-98/102	*	1.08e+03	*	*	9.36e+02	*
71	PCB-88/91	*	1.08e+03	*	*	9.36e+02	*
72	PCB-84	*	1.08e+03	*	*	9.36e+02	*
73	PCB-89	*	1.08e+03	*	*	9.36e+02	*
74	PCB-121	*	1.15e+03	*	*	1.18e+03	*
75	PCB-92	*	1.15e+03	*	*	1.18e+03	*
[illegible]	PCB-90/101/113	1.06e+04	1.15e+03	9.2e+00	1.08e+04	1.18e+03	9.1e+00
[illegible]	PCB-83/99	*	1.15e+03	*	*	1.18e+03	*
[illegible]	PCB-112	*	1.15e+03	*	*	1.18e+03	*
[illegible]	CB-86/87/97/109/119/125	*	1.15e+03	*	*	1.18e+03	*
80	PCB-117	*	1.15e+03	*	*	1.18e+03	*
81	PCB-85/116	*	1.15e+03	*	*	1.18e+03	*
82	PCB-110/115	1.51e+04	1.15e+03	1.3e+01	6.93e+03	1.18e+03	5.9e+00
83	PCB-82	*	1.15e+03	*	*	1.18e+03	*
84	PCB-111	*	1.15e+03	*	*	1.18e+03	*
85	PCB-120	*	1.15e+03	*	*	1.18e+03	*
86	PCB-108/124	*	1.10e+03	*	*	7.92e+02	*
87	PCB-107	*	1.10e+03	*	*	7.92e+02	*
88	PCB-123	*	1.10e+03	*	*	7.92e+02	*
89	PCB-106	*	1.10e+03	*	*	7.92e+02	*
90	PCB-118	8.57e+03	1.10e+03	7.8e+00	8.04e+03	7.92e+02	1.0e+01
91	PCB-122	*	1.10e+03	*	*	7.92e+02	*
92	PCB-114	*	1.10e+03	*	*	7.92e+02	*
93	PCB-105	*	1.10e+03	*	*	7.92e+02	*
94	PCB-127	*	1.10e+03	*	*	7.92e+02	*
95	PCB-126	*	1.10e+03	*	*	7.92e+02	*
96	PCB-155	*	9.12e+02	*	*	8.68e+02	*
97	PCB-152	*	9.12e+02	*	*	8.68e+02	*
98	PCB-150	*	9.12e+02	*	*	8.68e+02	*
99	PCB-136	*	9.12e+02	*	*	8.68e+02	*
100	PCB-145	*	9.12e+02	*	*	8.68e+02	*
101	PCB-148	*	9.12e+02	*	*	8.68e+02	*
102	PCB-135/151	*	9.12e+02	*	*	8.68e+02	*
103	PCB-154	*	9.12e+02	*	*	8.68e+02	*
104	PCB-144	*	9.12e+02	*	*	8.68e+02	*

105	PCB-147/149	8.78e+03	1.12e+03	7.8e+00	4.38e+03	1.19e+03	3.7e+00
106	PCB-134	*	1.12e+03	*	*	1.19e+03	*
107	PCB-143	*	1.12e+03	*	*	1.19e+03	*
108	PCB-139/140	*	1.12e+03	*	*	1.19e+03	*
109	PCB-131	*	1.12e+03	*	*	1.19e+03	*
110	PCB-142	*	1.12e+03	*	*	1.19e+03	*
111	PCB-132	*	1.12e+03	*	*	1.19e+03	*
112	PCB-133	*	1.12e+03	*	*	1.19e+03	*
113	PCB-165	*	1.12e+03	*	*	1.19e+03	*
114	PCB-146	*	1.12e+03	*	*	1.19e+03	*
115	PCB-161	*	1.12e+03	*	*	1.19e+03	*
116	PCB-153/168	6.23e+03	1.12e+03	5.6e+00	6.43e+03	1.19e+03	5.4e+00
117	PCB-141	*	1.12e+03	*	*	1.19e+03	*
118	PCB-130	*	1.12e+03	*	*	1.19e+03	*
119	PCB-137	*	1.12e+03	*	*	1.19e+03	*
120	PCB-164	*	1.12e+03	*	*	1.19e+03	*
121	PCB-129/138/163	8.44e+03	1.12e+03	7.5e+00	7.67e+03	1.19e+03	6.5e+00
122	PCB-160	*	1.12e+03	*	*	1.19e+03	*
123	PCB-158	*	1.12e+03	*	*	1.19e+03	*
124	PCB-128/166	*	1.12e+03	*	*	1.19e+03	*
125	PCB-159	*	9.04e+02	*	*	7.80e+02	*
126	PCB-162	*	9.04e+02	*	*	7.80e+02	*
127	PCB-167	*	9.04e+02	*	*	7.80e+02	*
128	PCB-156/157	*	9.04e+02	*	*	7.80e+02	*
129	PCB-169	*	9.04e+02	*	*	7.80e+02	*
130	PCB-188	*	1.16e+03	*	*	8.12e+02	*
131	PCB-179	*	1.16e+03	*	*	8.12e+02	*
132	PCB-184	*	1.16e+03	*	*	8.12e+02	*
133	PCB-176	*	1.16e+03	*	*	8.12e+02	*
134	PCB-186	*	1.16e+03	*	*	8.12e+02	*
135	PCB-178	*	1.16e+03	*	*	8.12e+02	*
136	PCB-175	*	1.16e+03	*	*	8.12e+02	*
137	PCB-187	*	1.16e+03	*	*	8.12e+02	*
138	PCB-182	*	1.16e+03	*	*	8.12e+02	*
139	PCB-183	*	1.36e+03	*	*	1.05e+03	*
140	PCB-185	*	1.36e+03	*	*	1.05e+03	*
141	PCB-174	*	1.36e+03	*	*	1.05e+03	*
142	PCB-177	*	1.36e+03	*	*	1.05e+03	*
143	PCB-181	*	1.36e+03	*	*	1.05e+03	*
144	PCB-171/173	*	1.36e+03	*	*	1.05e+03	*
145	PCB-172	*	1.36e+03	*	*	1.05e+03	*
146	PCB-192	*	1.36e+03	*	*	1.05e+03	*
147	PCB-180/193	*	1.36e+03	*	*	1.05e+03	*
148	PCB-191	*	1.36e+03	*	*	1.05e+03	*
149	PCB-170	*	1.36e+03	*	*	1.05e+03	*
150	PCB-190	*	1.36e+03	*	*	1.05e+03	*
151	PCB-189	*	1.36e+03	*	*	1.05e+03	*
152	PCB-202	*	1.09e+03	*	*	9.64e+02	*
153	PCB-201	*	1.09e+03	*	*	9.64e+02	*
154	PCB-204	*	1.09e+03	*	*	9.64e+02	*
155	PCB-197	*	1.09e+03	*	*	9.64e+02	*
156	PCB-200	*	1.09e+03	*	*	9.64e+02	*
157	PCB-198/199	*	1.09e+03	*	*	9.64e+02	*
158	PCB-196	*	1.09e+03	*	*	9.64e+02	*
159	PCB-203	*	1.09e+03	*	*	9.64e+02	*
160	PCB-195	*	1.09e+03	*	*	9.64e+02	*
161	PCB-194	*	1.09e+03	*	*	9.64e+02	*
162	PCB-205	*	1.09e+03	*	*	9.64e+02	*

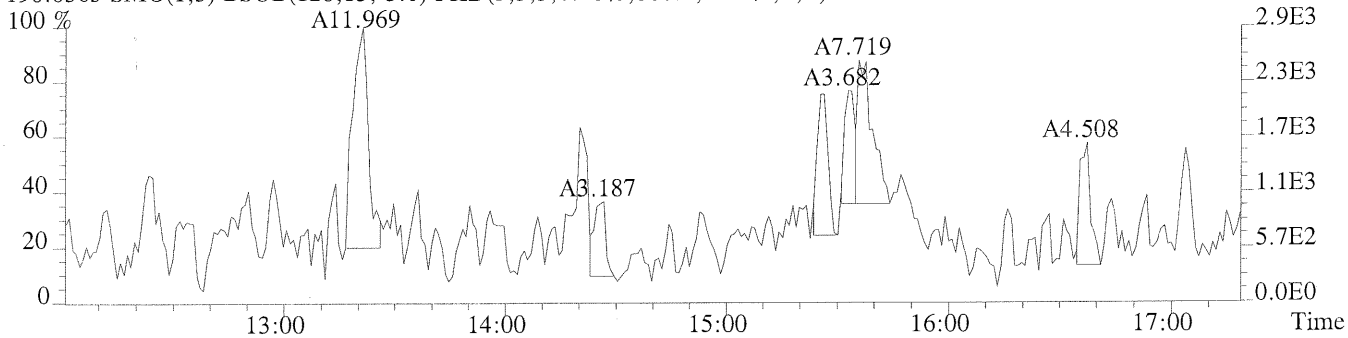
PCB-208	*	1.01e+03	*	*	8.32e+02	*
PCB-207	*	1.01e+03	*	*	8.32e+02	*
PCB-206	*	6.96e+02	*	*	9.24e+02	*
PCB-209	1.06e+04	1.20e+03	8.8e+00	8.20e+03	1.56e+03	5.2e+00
PCB-1L	5.94e+06	9.52e+02	6.2e+03	1.93e+06	2.03e+04	9.5e+01
PCB-3L	4.79e+06	9.52e+02	5.0e+03	1.52e+06	2.03e+04	7.5e+01
PCB-4L	3.09e+06	1.64e+03	1.9e+03	2.01e+06	8.64e+02	2.3e+03
PCB-15L	2.72e+06	2.06e+03	1.3e+03	1.80e+06	1.27e+03	1.4e+03
PCB-19L	2.20e+06	1.36e+04	1.6e+02	2.19e+06	6.68e+03	3.3e+02
PCB-37L	2.00e+06	9.48e+03	2.1e+02	1.93e+06	6.86e+03	2.8e+02
PCB-54L	2.40e+06	1.54e+03	1.6e+03	2.96e+06	6.36e+02	4.7e+03
PCB-81L	1.62e+06	1.40e+03	1.2e+03	2.06e+06	9.24e+02	2.2e+03
PCB-77L	1.58e+06	1.40e+03	1.1e+03	2.09e+06	9.24e+02	2.3e+03
PCB-104L	3.39e+06	1.23e+03	2.7e+03	2.11e+06	1.02e+03	2.1e+03
PCB-123L	2.23e+06	1.04e+04	2.1e+02	1.42e+06	4.35e+03	3.3e+02
PCB-118L	2.28e+06	1.04e+04	2.2e+02	1.52e+06	4.35e+03	3.5e+02
PCB-114L	2.20e+06	1.04e+04	2.1e+02	1.40e+06	4.35e+03	3.2e+02
PCB-105L	2.03e+06	1.04e+04	1.9e+02	1.33e+06	4.35e+03	3.1e+02
PCB-126L	1.70e+06	1.04e+04	1.6e+02	1.06e+06	4.35e+03	2.4e+02
PCB-155L	3.26e+06	1.09e+03	3.0e+03	2.61e+06	9.96e+02	2.6e+03
PCB-167L	1.71e+06	6.72e+03	2.5e+02	1.43e+06	1.39e+03	1.0e+03
PCB-156/157L	2.51e+06	6.72e+03	3.7e+02	2.00e+06	1.39e+03	1.4e+03
PCB-169L	1.29e+06	6.72e+03	1.9e+02	1.04e+06	1.39e+03	7.5e+02
PCB-188L	2.76e+06	1.08e+03	2.6e+03	2.60e+06	7.92e+02	3.3e+03
PCB-189L	1.41e+06	1.20e+03	1.2e+03	1.35e+06	9.36e+02	1.4e+03
PCB-202L	2.02e+06	9.80e+02	2.1e+03	2.24e+06	1.18e+03	1.9e+03
PCB-205L	1.21e+06	9.80e+02	1.2e+03	1.39e+06	1.18e+03	1.2e+03
PCB-208L	1.34e+06	7.84e+02	1.7e+03	1.70e+06	1.06e+03	1.6e+03
PCB-206L	8.01e+05	9.32e+02	8.6e+02	1.01e+06	8.08e+02	1.3e+03
PCB-209L	1.11e+06	7.56e+02	1.5e+03	9.39e+05	7.80e+02	1.2e+03
PCB-28L	2.93e+06	9.48e+03	3.1e+02	2.82e+06	6.86e+03	4.1e+02
PCB-111L	3.37e+06	1.62e+03	2.1e+03	2.22e+06	9.20e+02	2.4e+03
PCB-178L	1.86e+06	1.08e+03	1.7e+03	1.73e+06	7.92e+02	2.2e+03
PCB-9L	5.84e+06	2.06e+03	2.8e+03	3.73e+06	1.27e+03	2.9e+03
PCB-52L	3.43e+06	1.79e+03	1.9e+03	4.48e+06	1.20e+03	3.7e+03
PCB-101L	4.44e+06	1.62e+03	2.7e+03	2.79e+06	9.20e+02	3.0e+03
PCB-138L	3.16e+06	9.76e+02	3.2e+03	2.57e+06	1.04e+03	2.5e+03
PCB-194L	1.65e+06	9.80e+02	1.7e+03	1.78e+06	1.18e+03	1.5e+03

File:U142159 #1-341 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

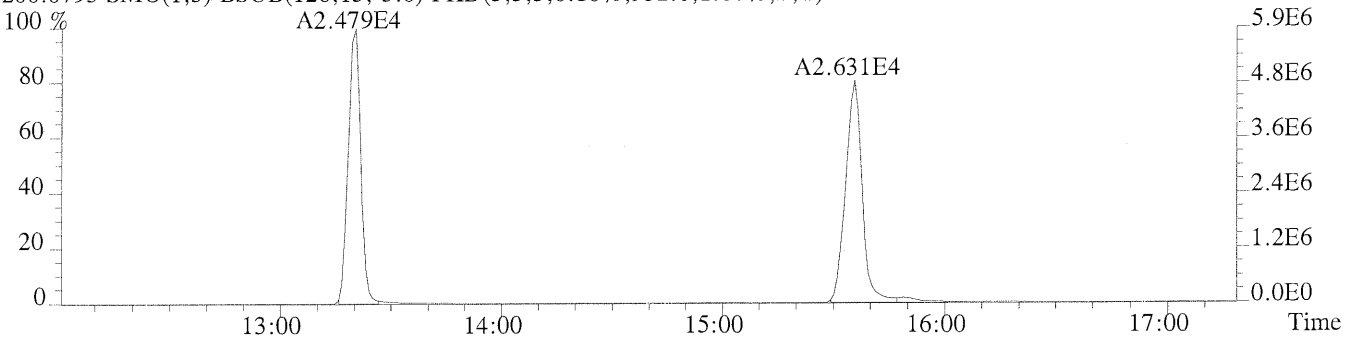
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1260.0,1.00%,F,T)



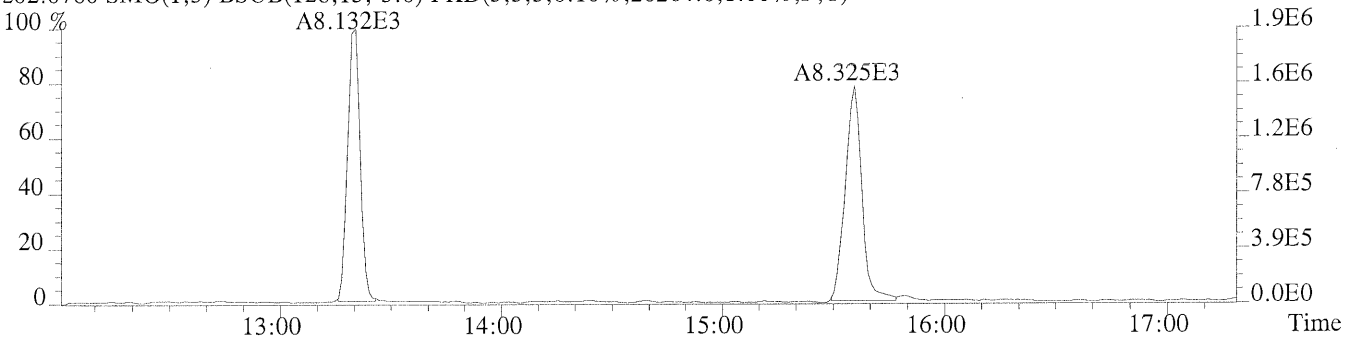
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)



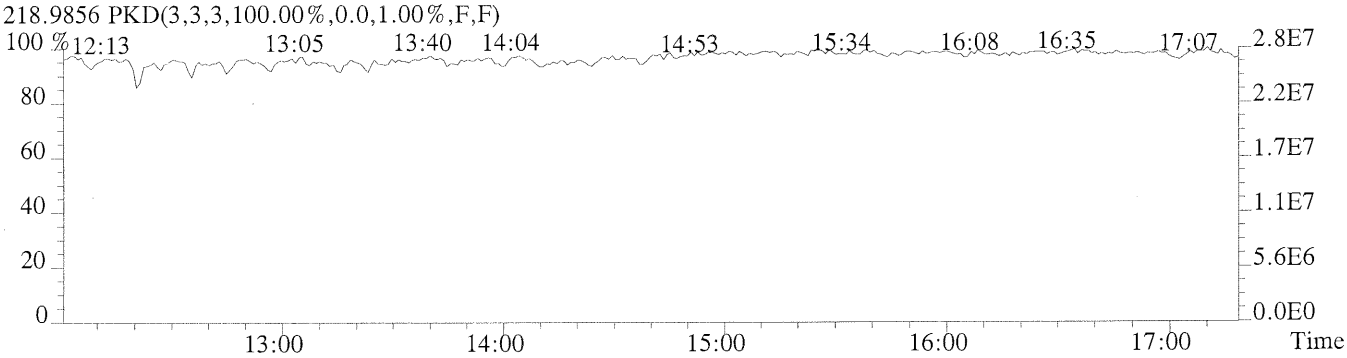
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,952.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,20264.0,1.00%,F,T)

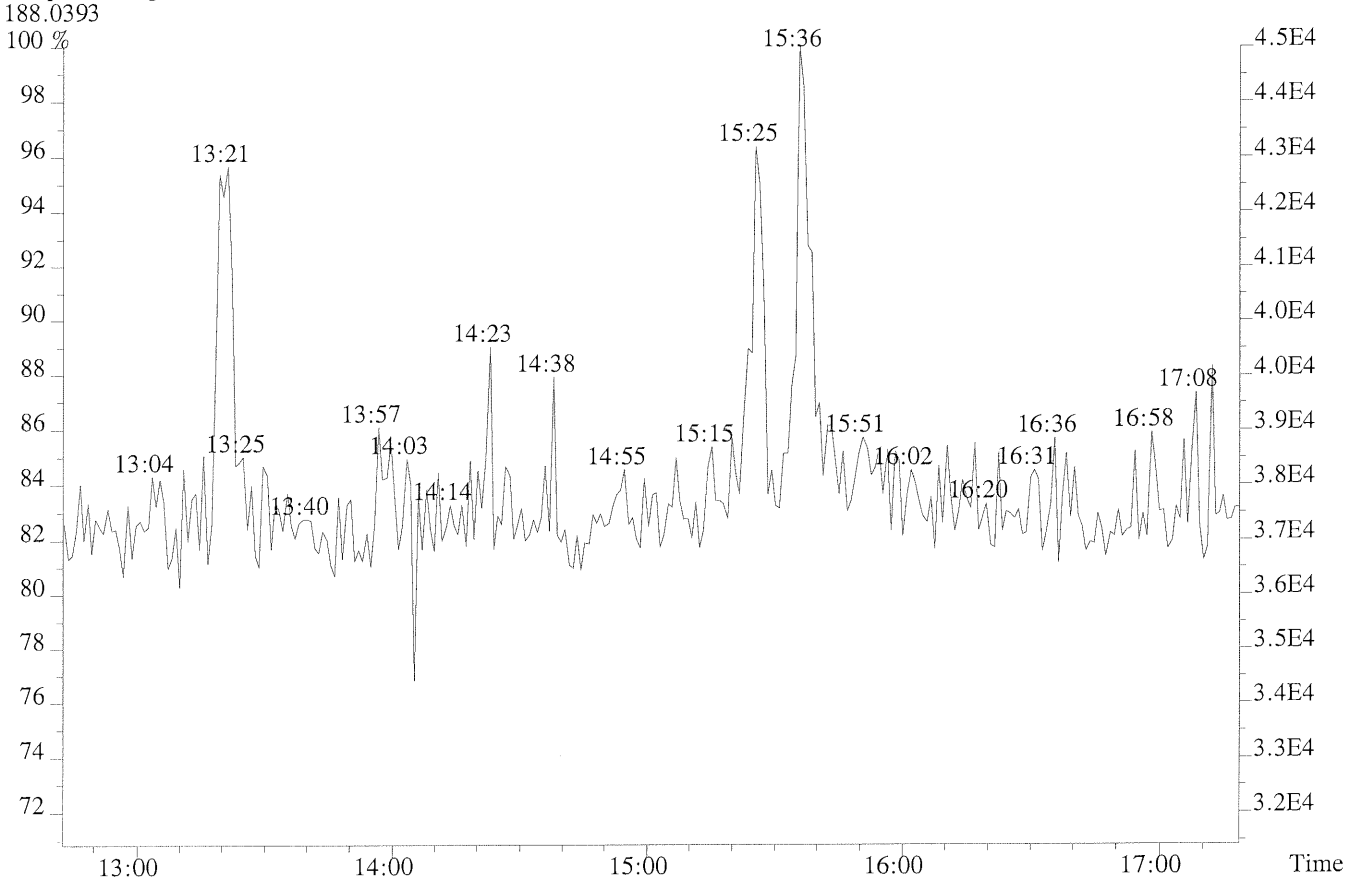


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

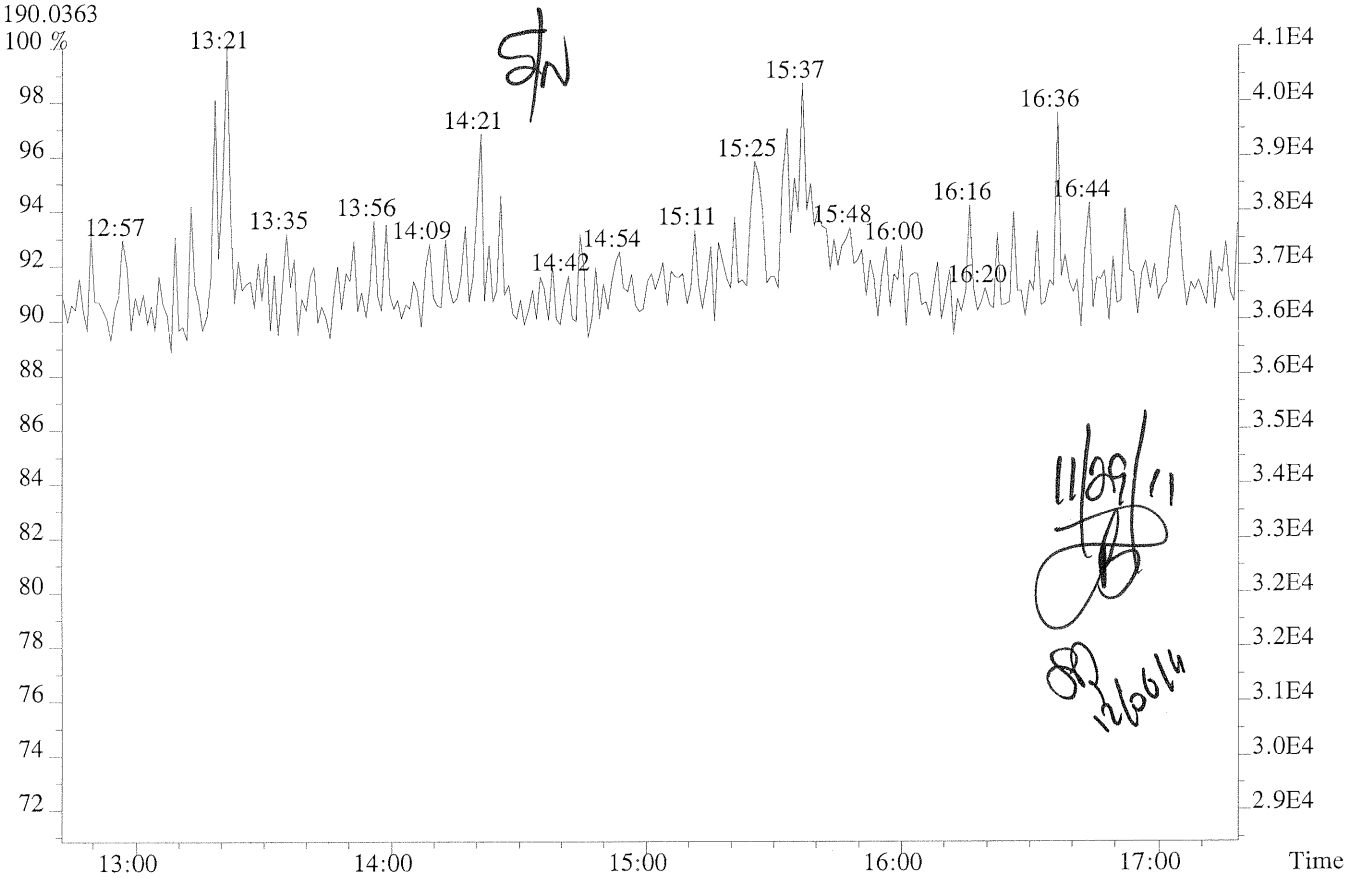


File:U142159 #1-341 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

188.0393



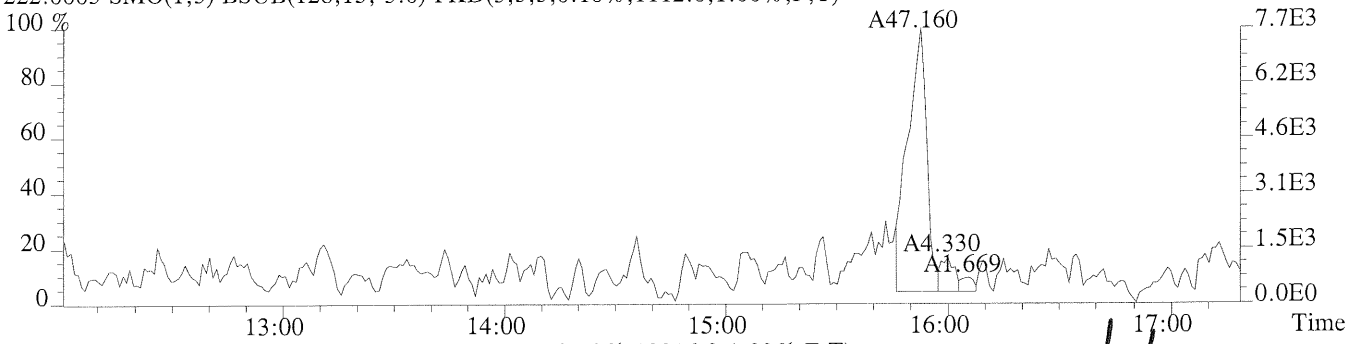
190.0363



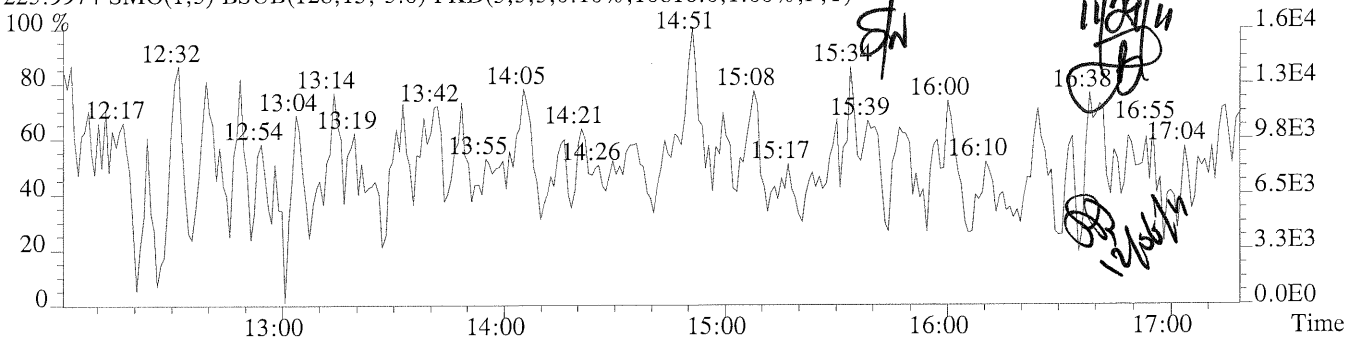
11/29/11
12/6/11

File:U142159 #1-341 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

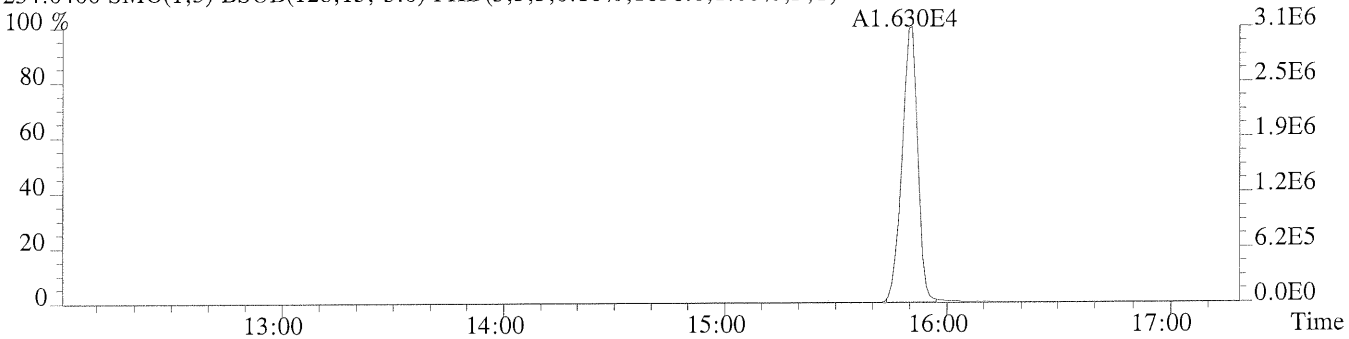
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1112.0,1.00%,F,T)



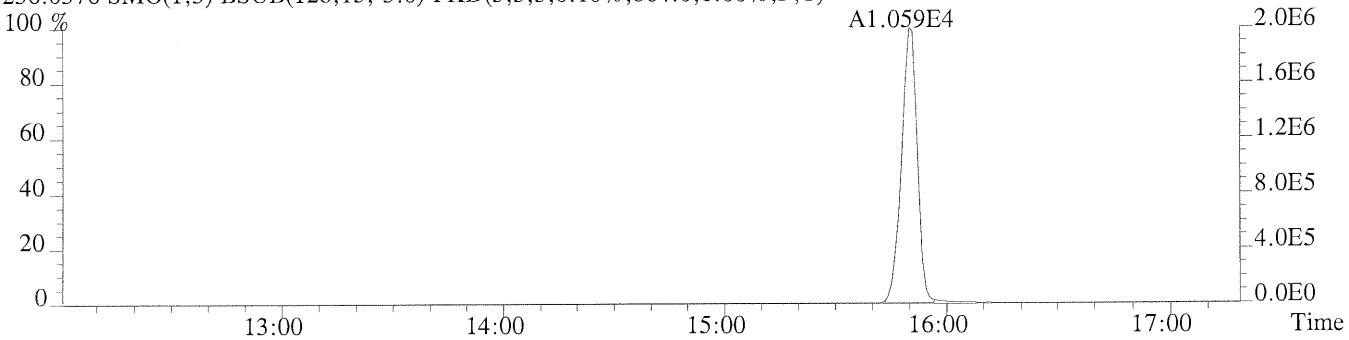
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10816.0,1.00%,F,T)



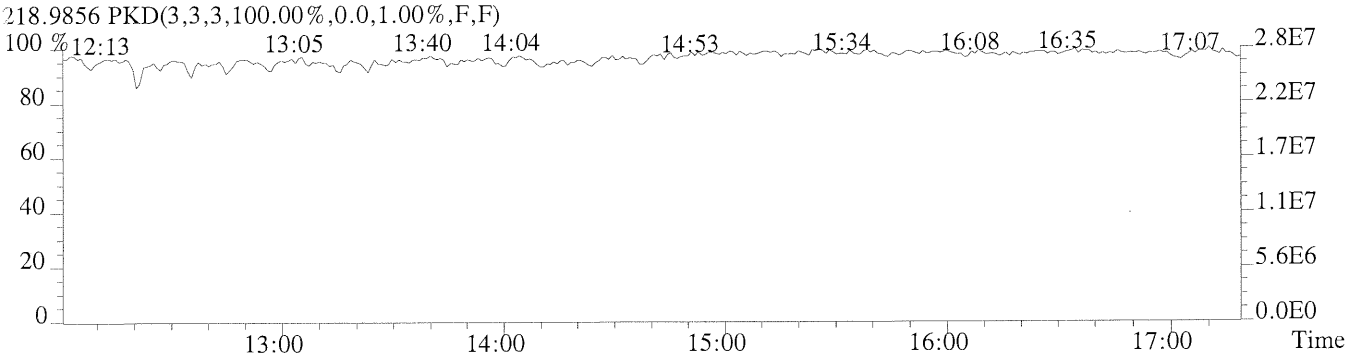
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1636.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,864.0,1.00%,F,T)

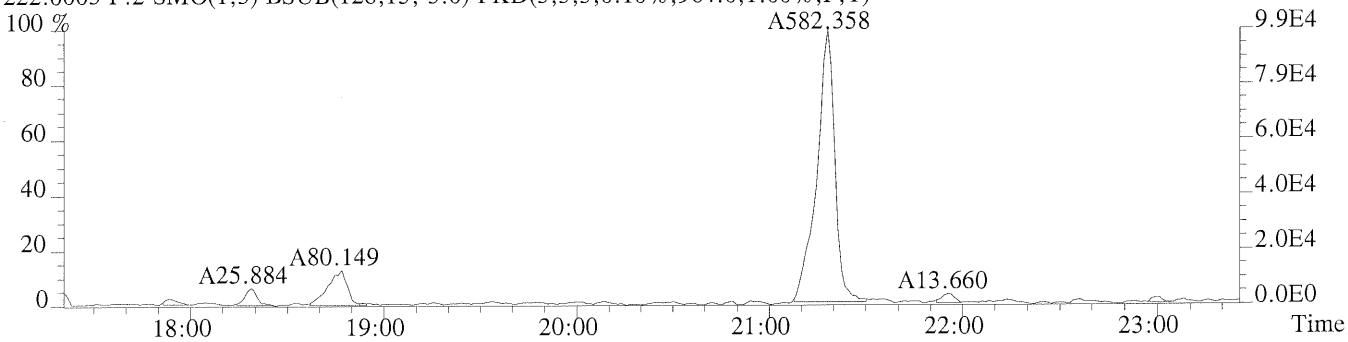


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

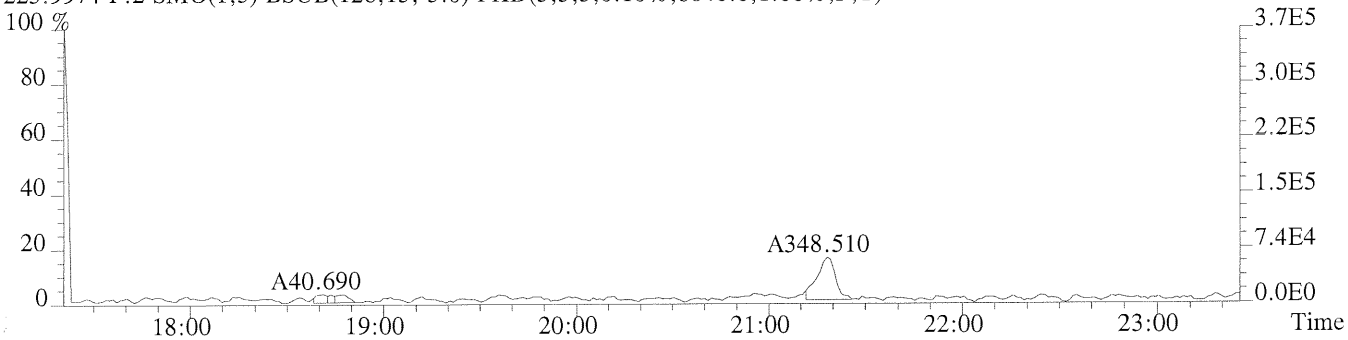


File:U142159 #1-336 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

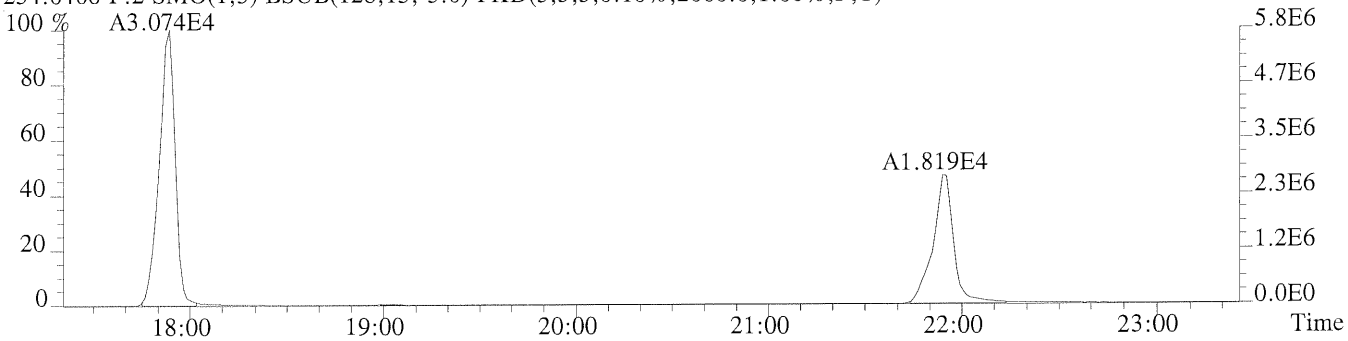
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



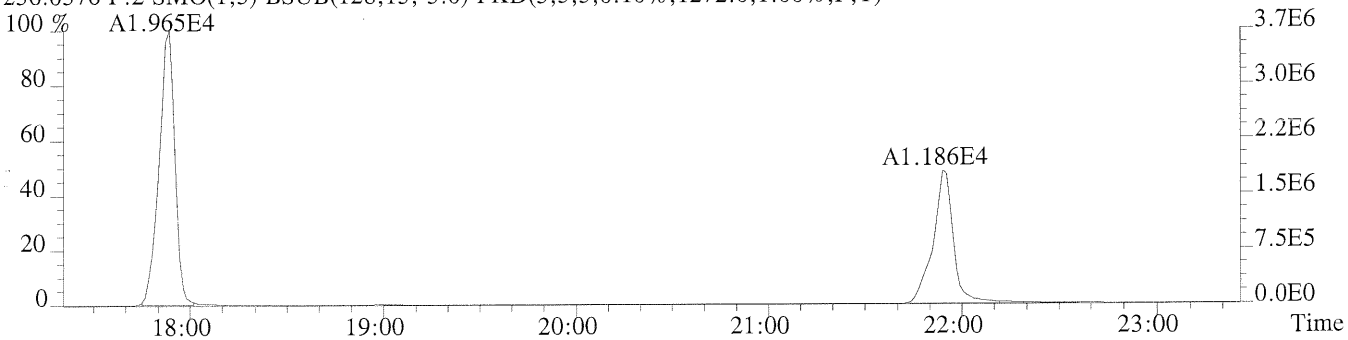
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8040.0,1.00%,F,T)



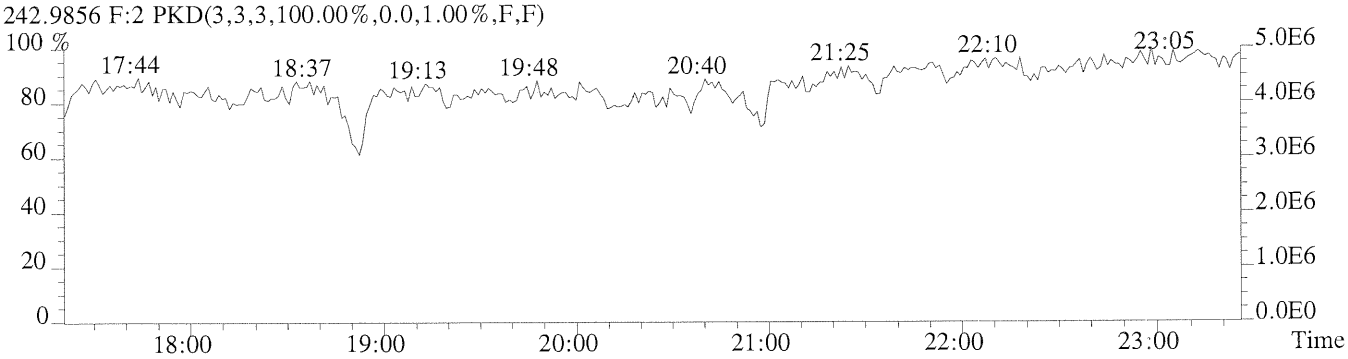
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2060.0,1.00%,F,T)



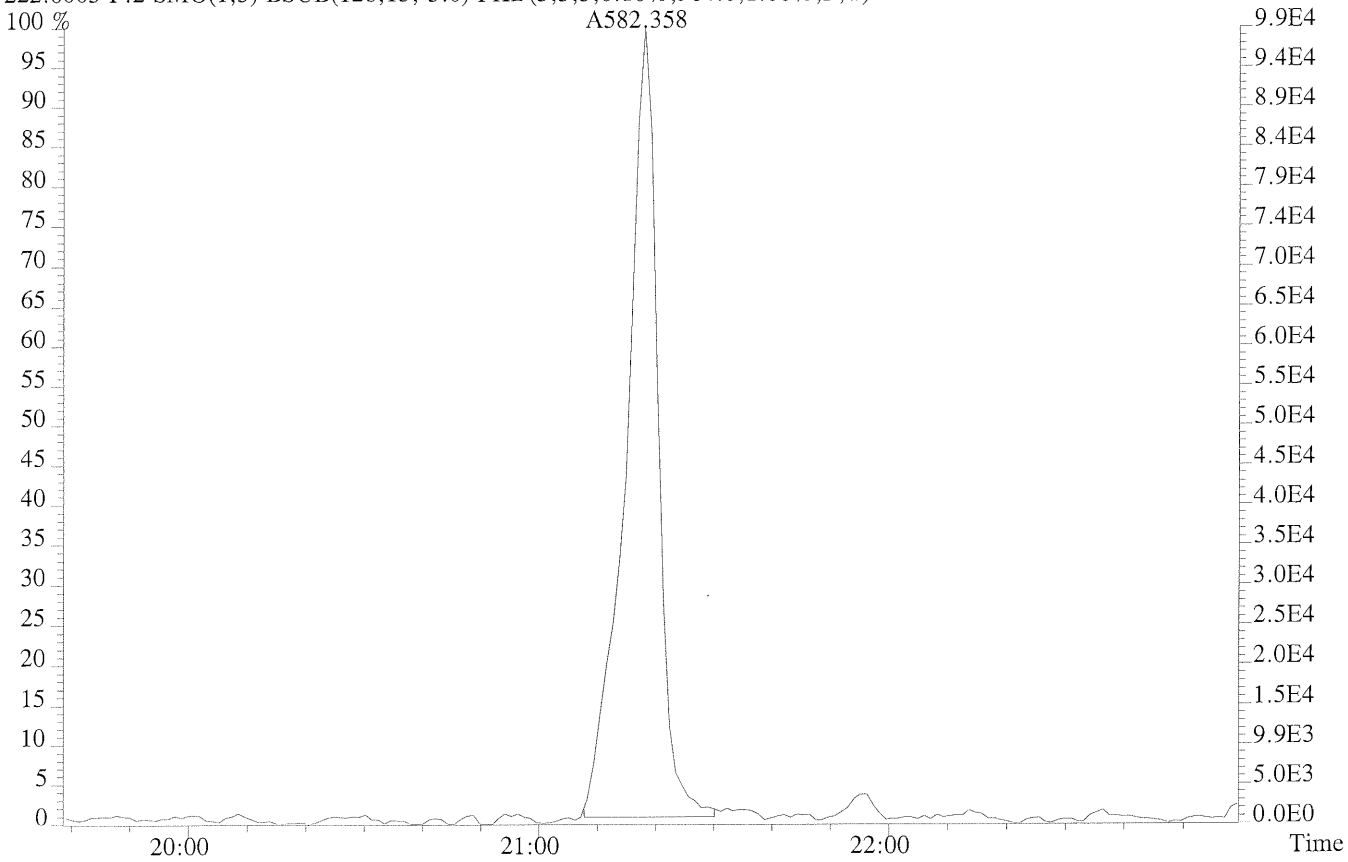
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1272.0,1.00%,F,T)



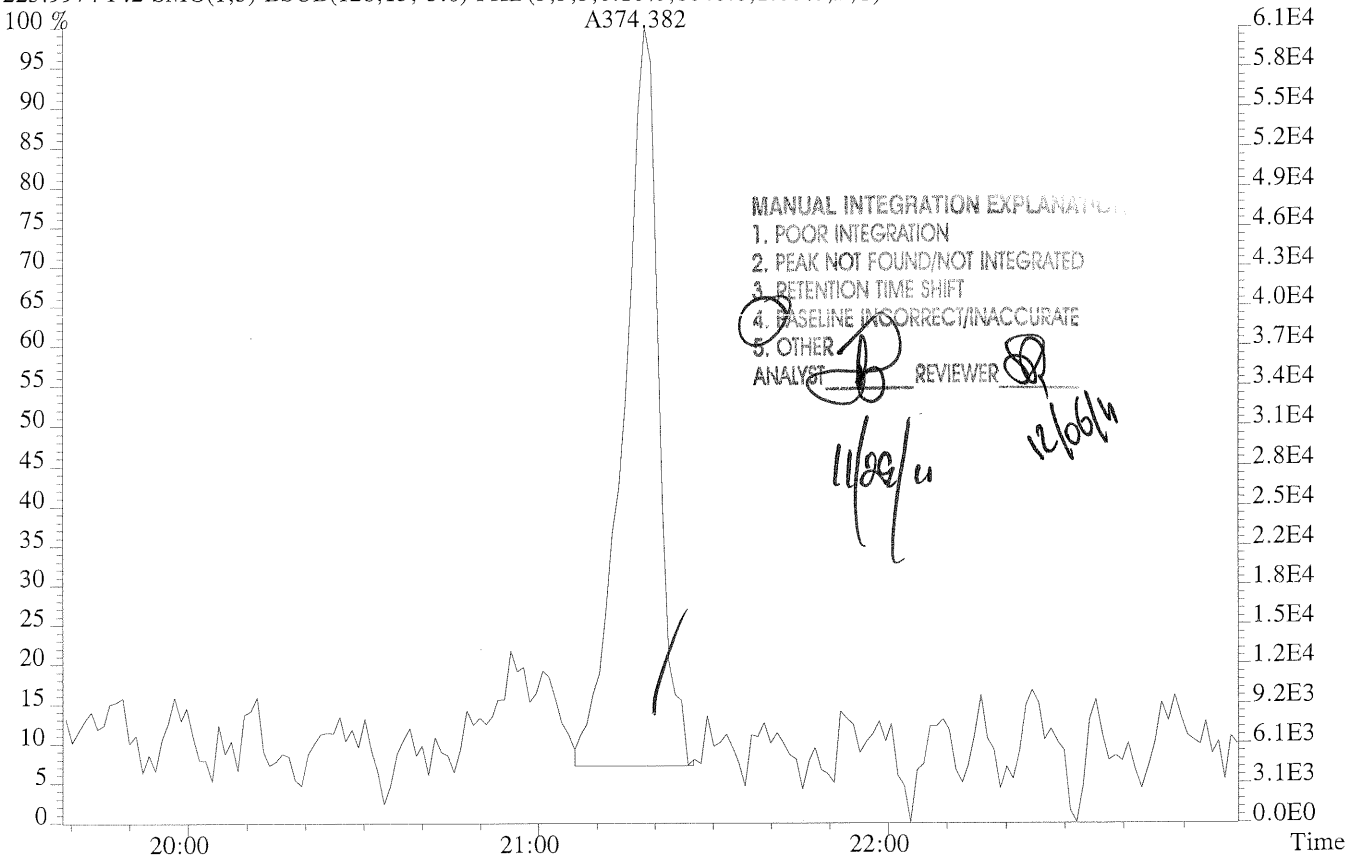
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142159 #1-336 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



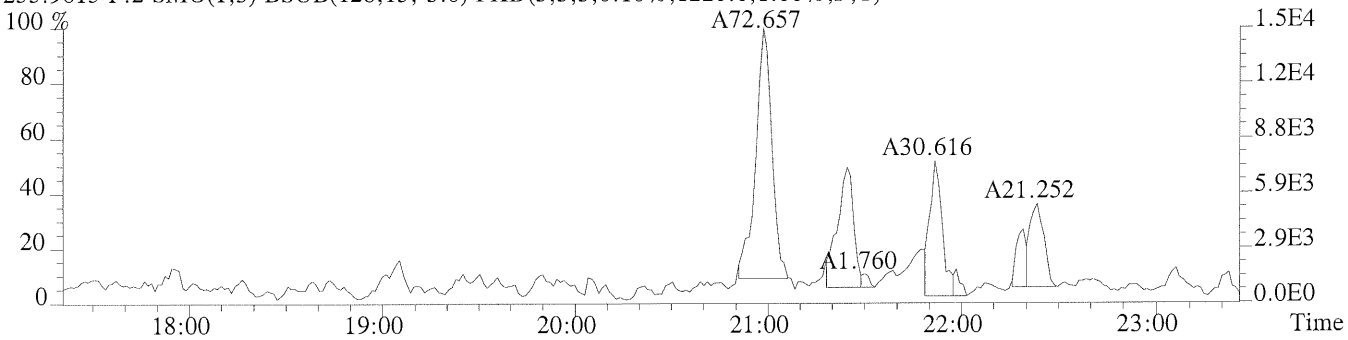
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8040.0,1.00%,F,T)



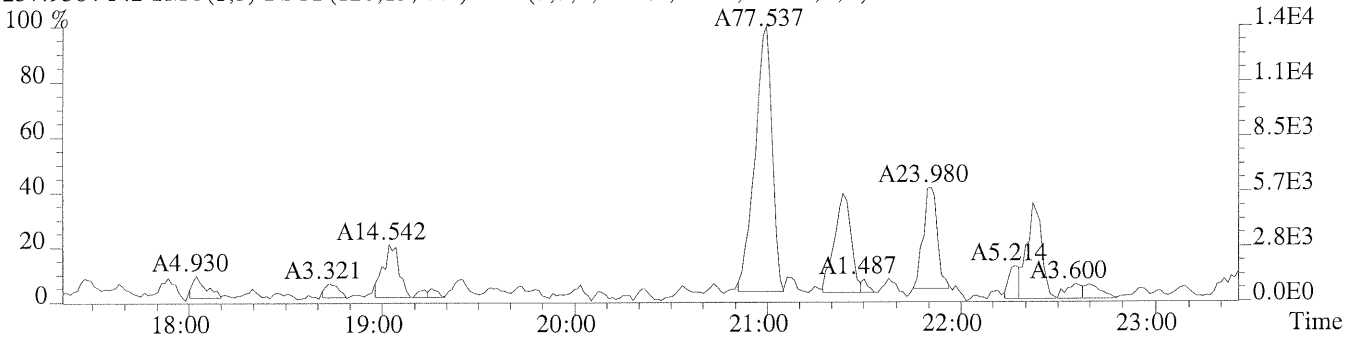
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
11/29/11 12/06/11

File:U142159 #1-336 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

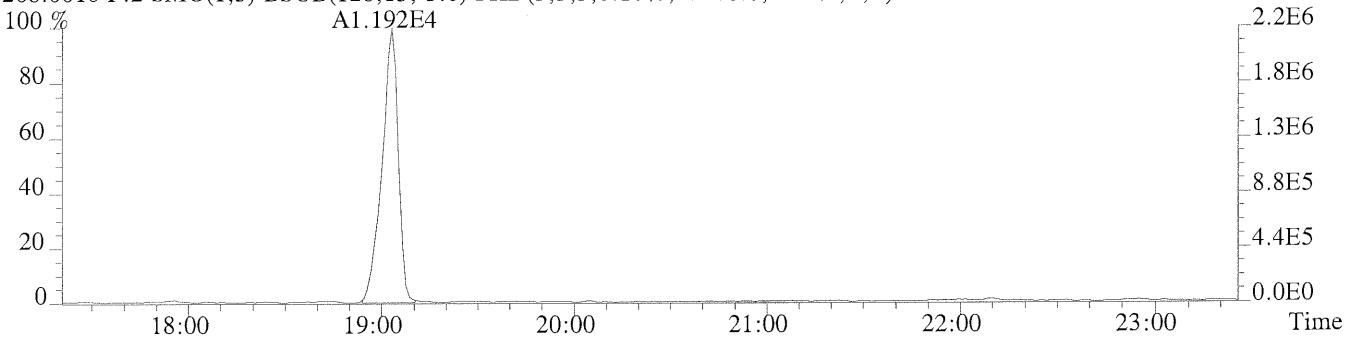
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1220.0,1.00%,F,T)



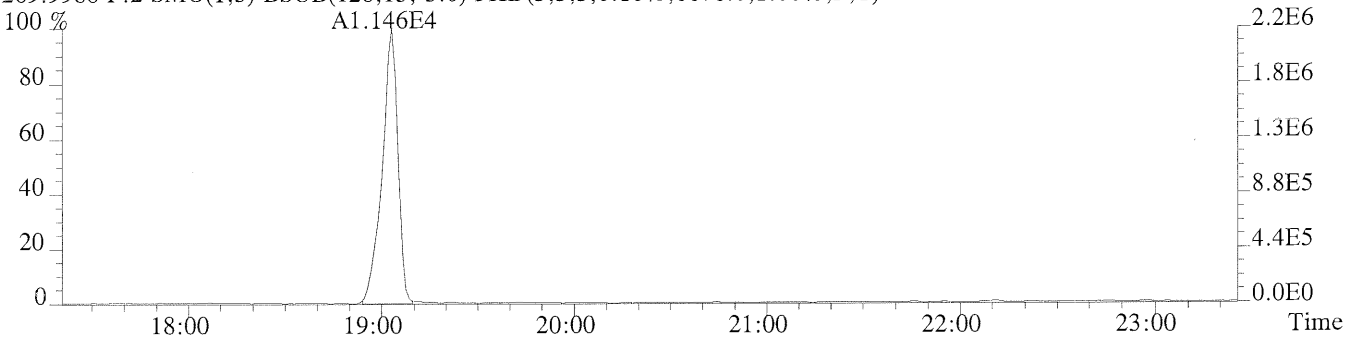
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,632.0,1.00%,F,T)



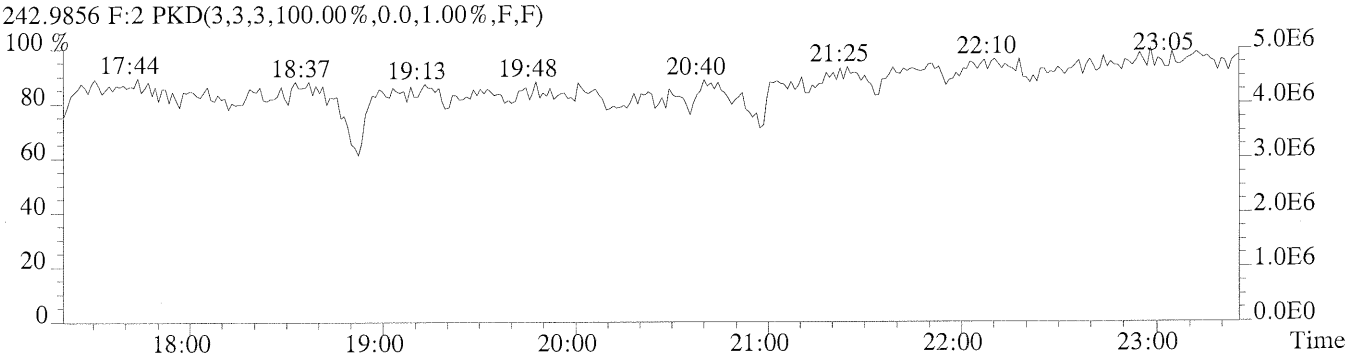
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13648.0,1.00%,F,T)



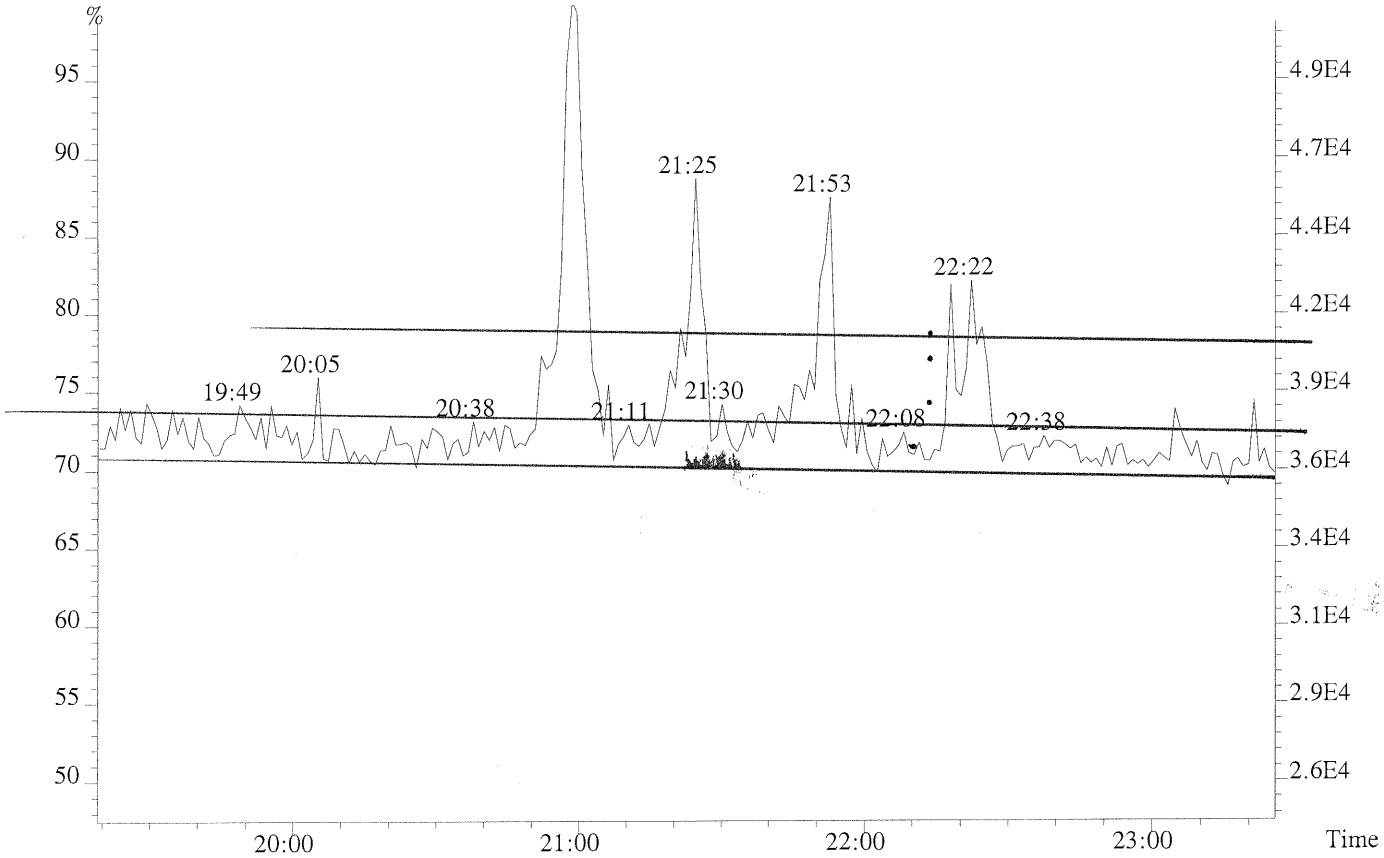
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6676.0,1.00%,F,T)



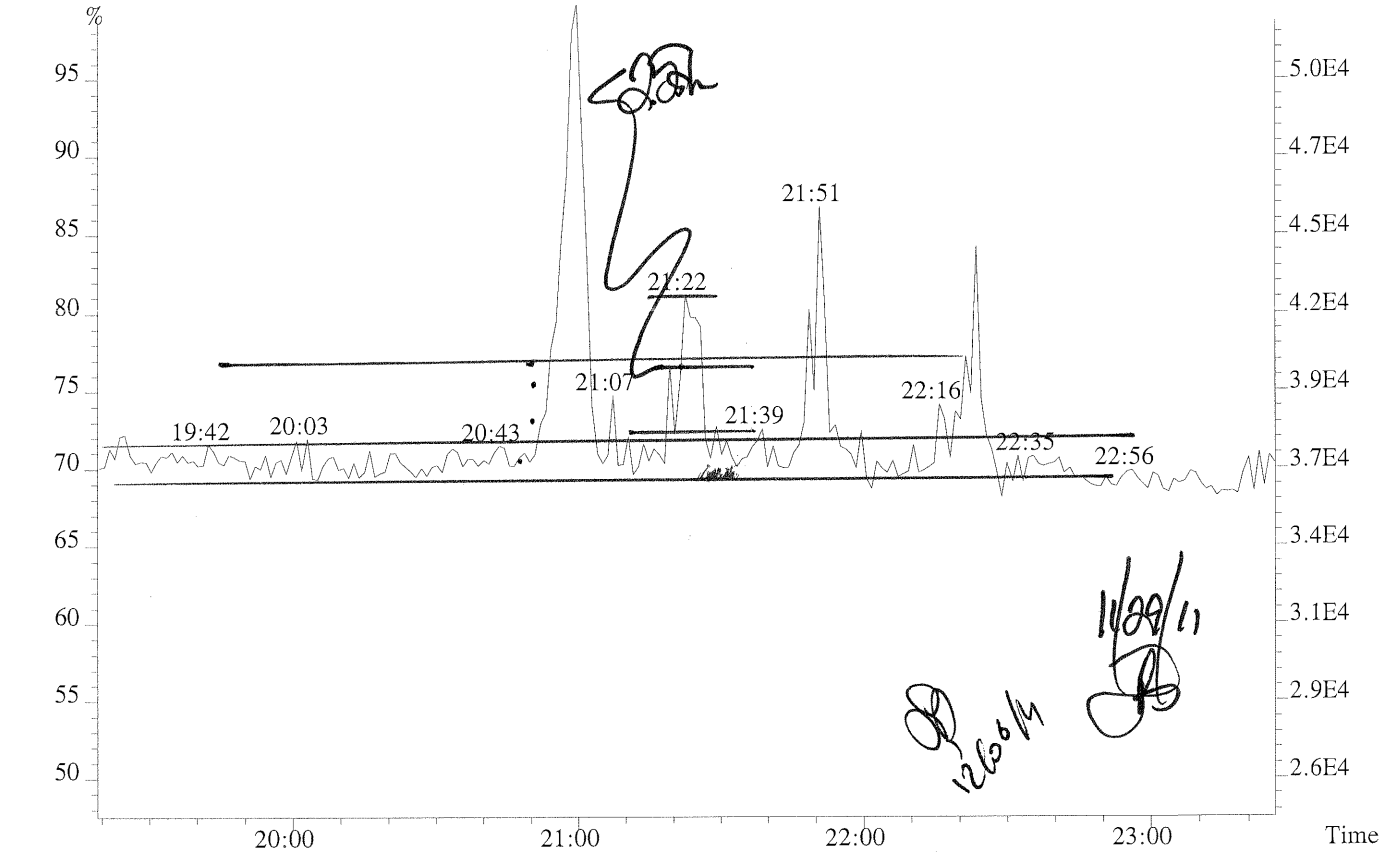
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



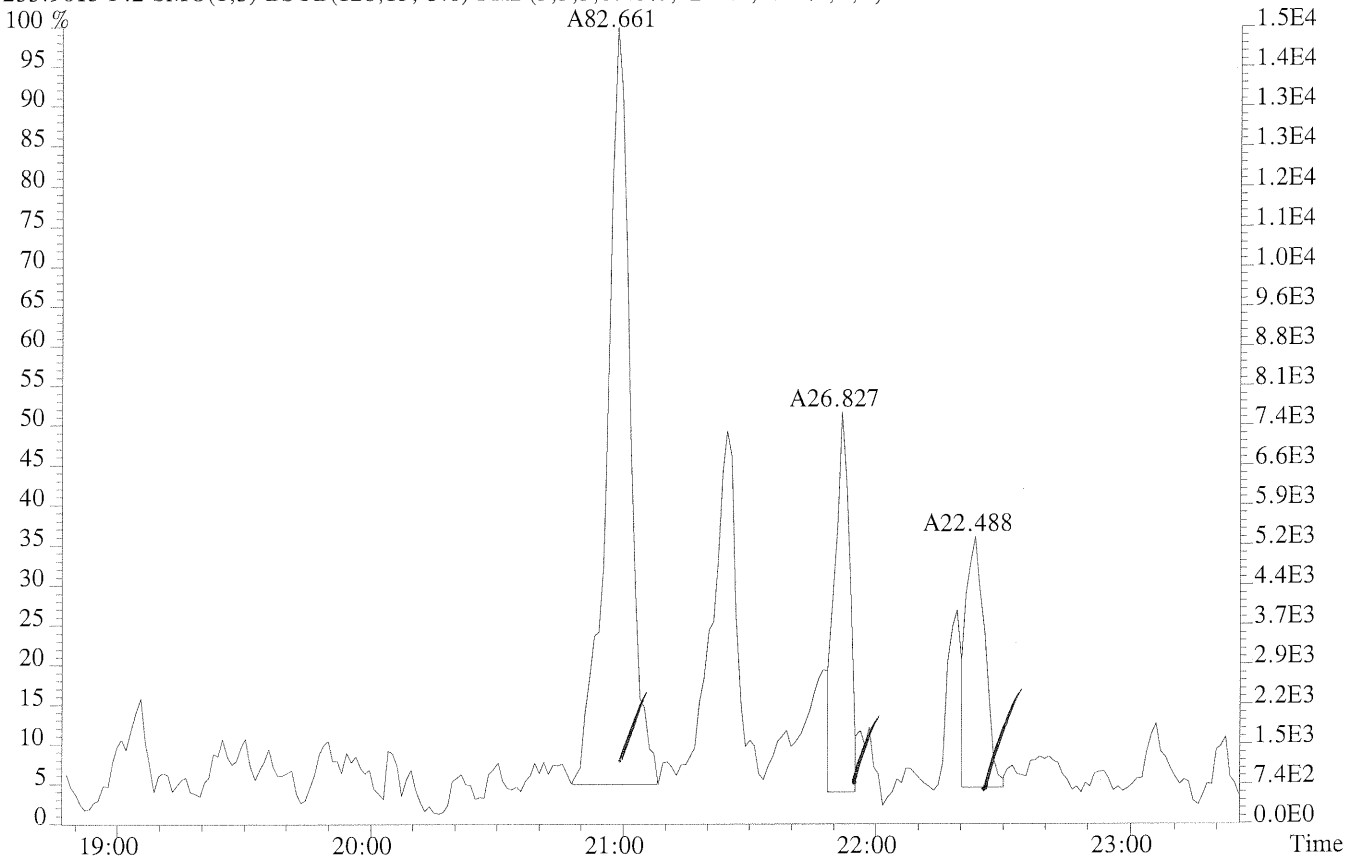
File:U142159 #1-336 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
255.9613 F:2



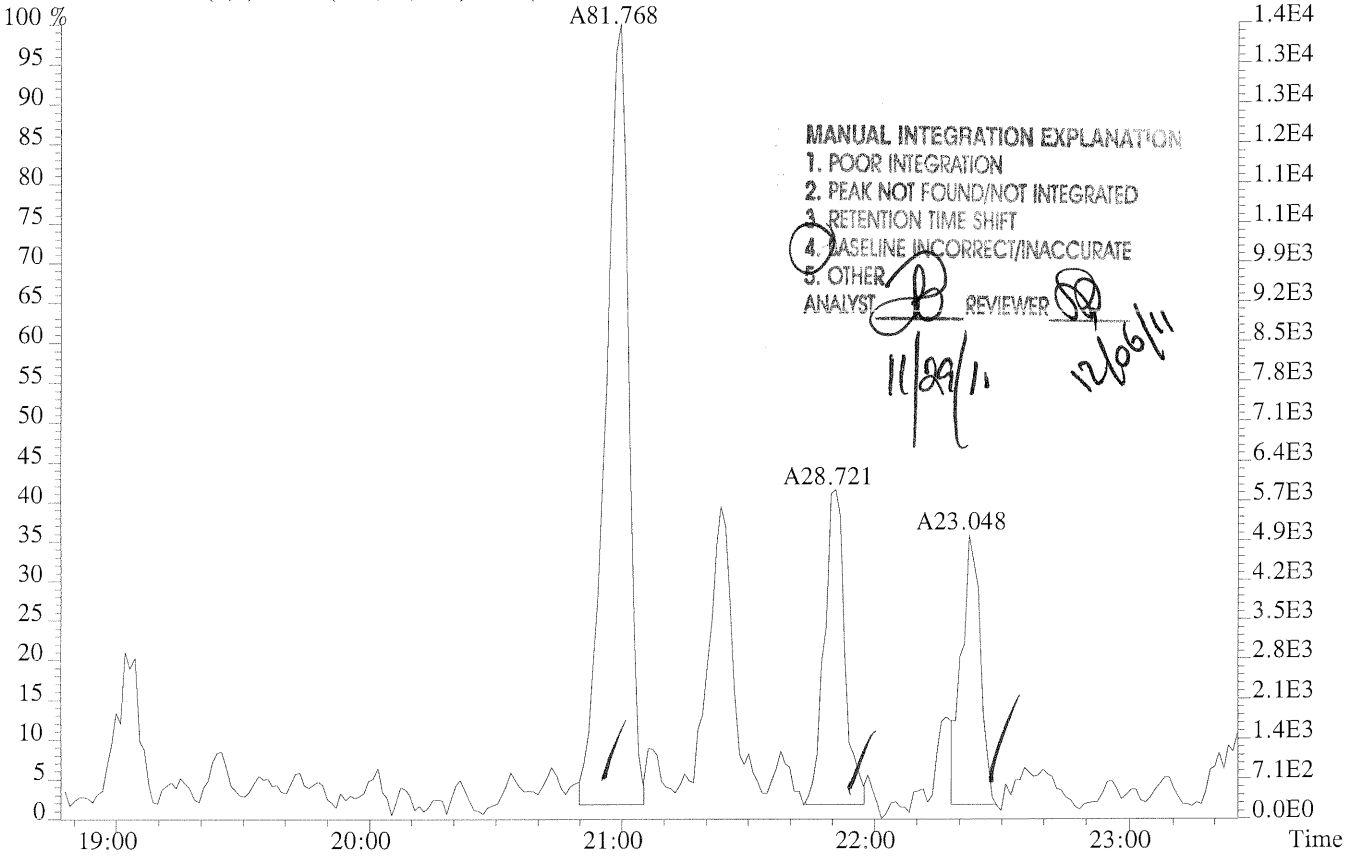
257.9584 F:2



File:U142159 #1-336 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1220.0,1.00%,F,T)



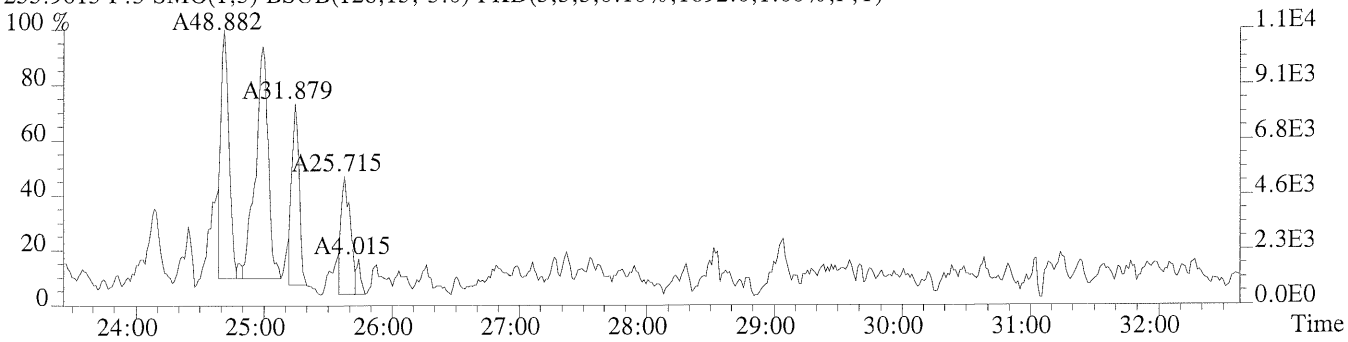
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,632.0,1.00%,F,T)



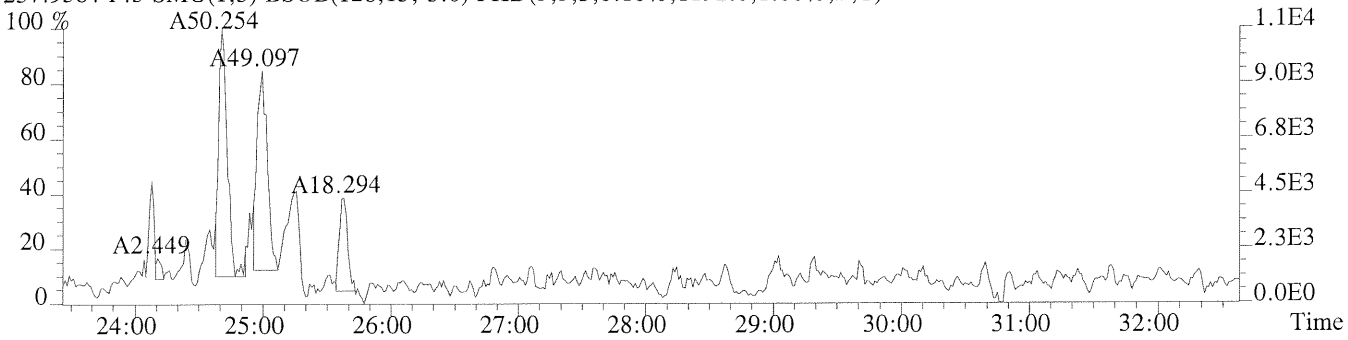
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
11/29/11 12/06/11

File:U142159 #1-588 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

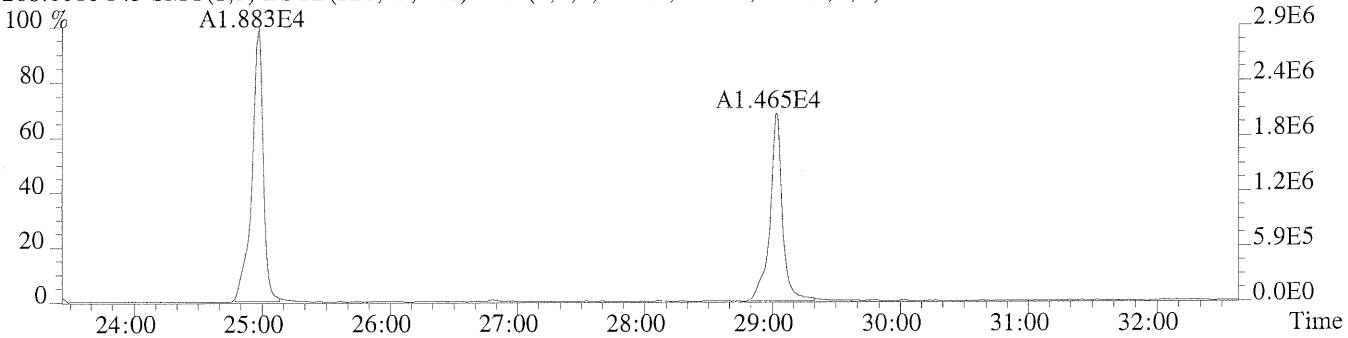
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1692.0,1.00%,F,T)



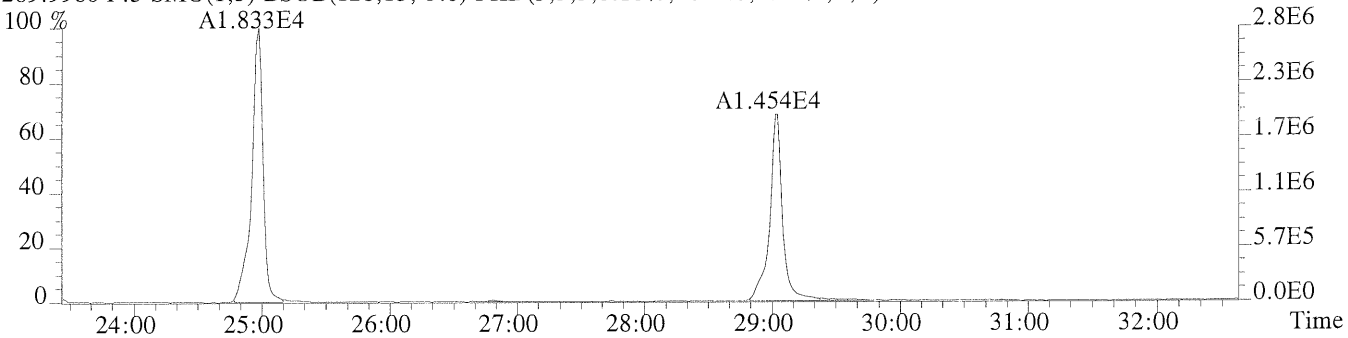
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1192.0,1.00%,F,T)



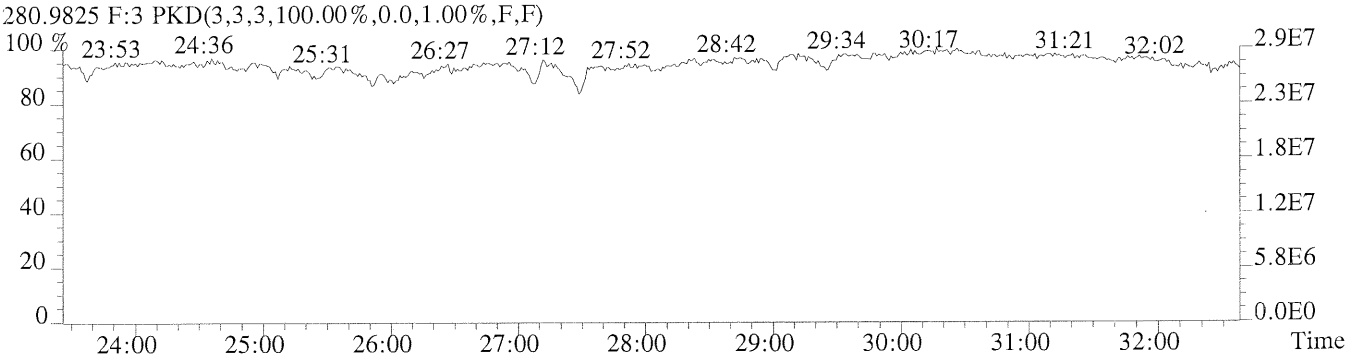
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9480.0,1.00%,F,T)



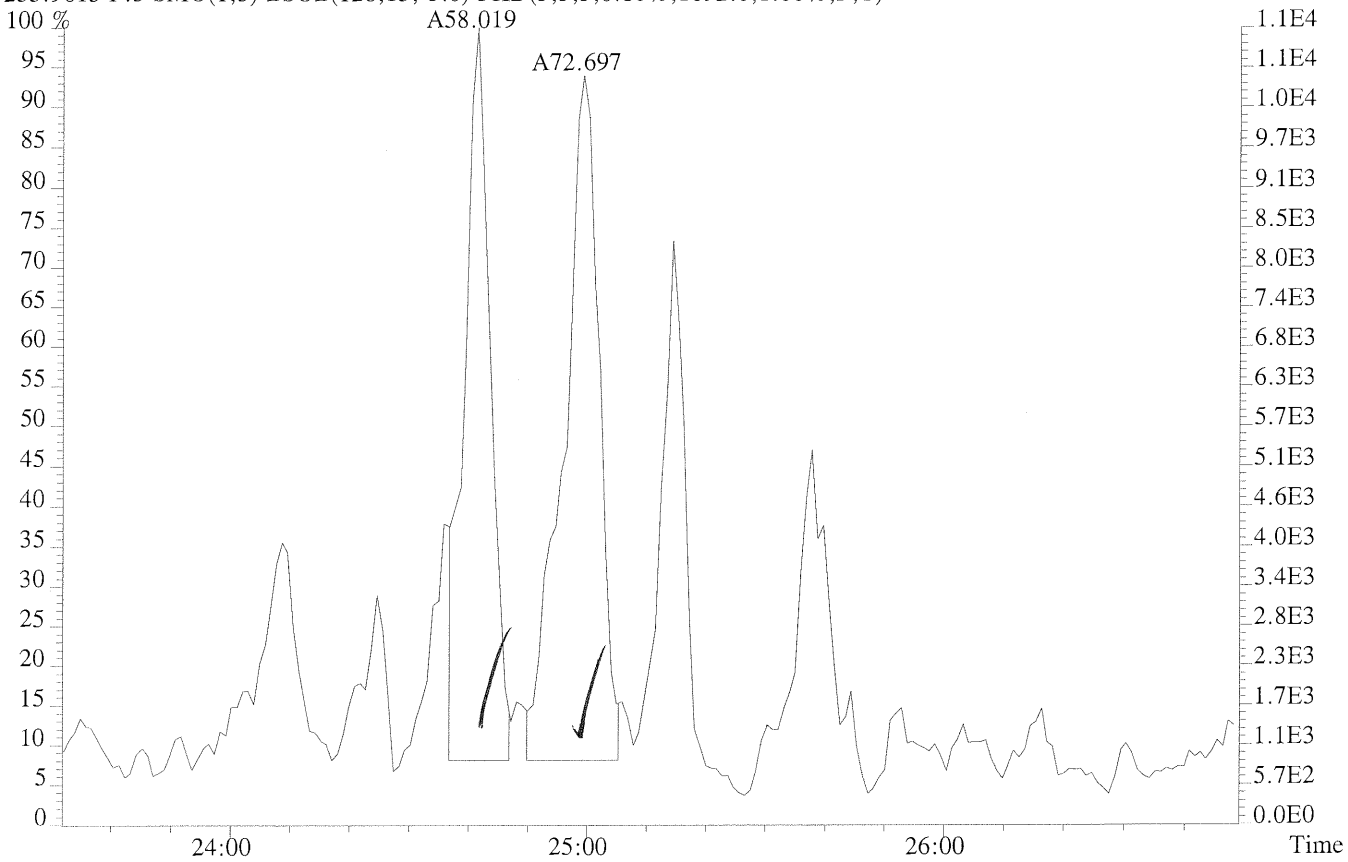
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6864.0,1.00%,F,T)



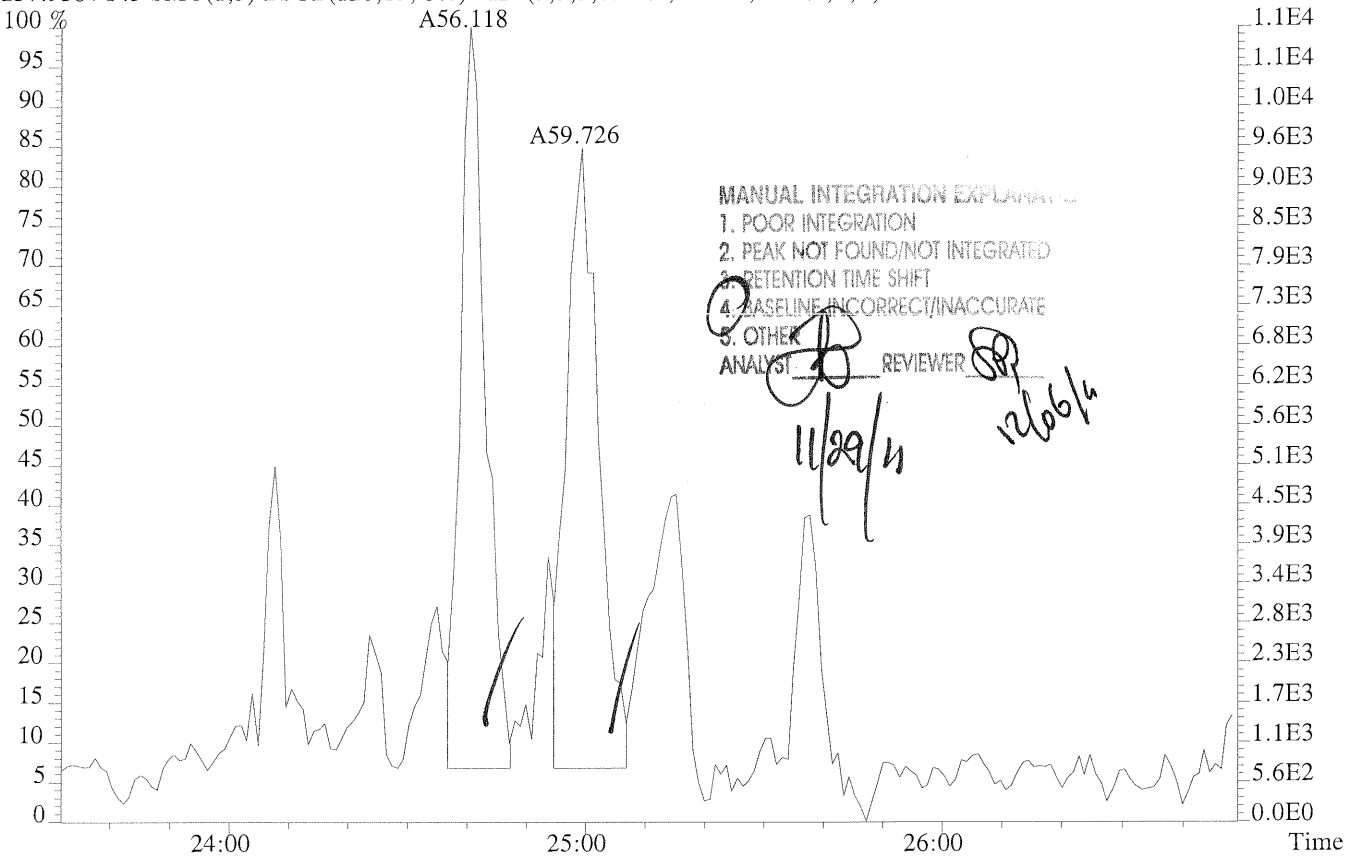
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142159 #1-588 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1692.0,1.00%,F,T)

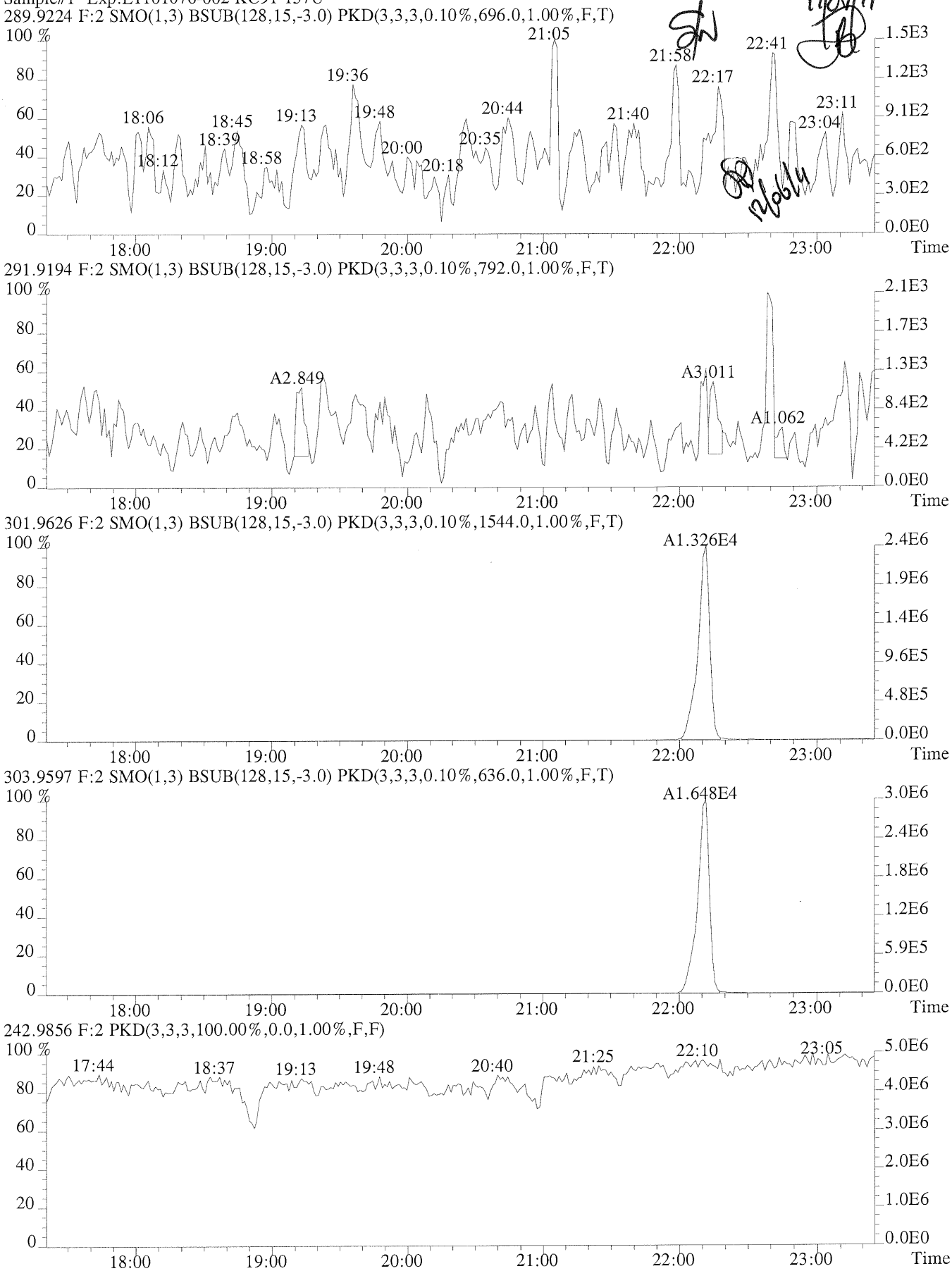


257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1192.0,1.00%,F,T)



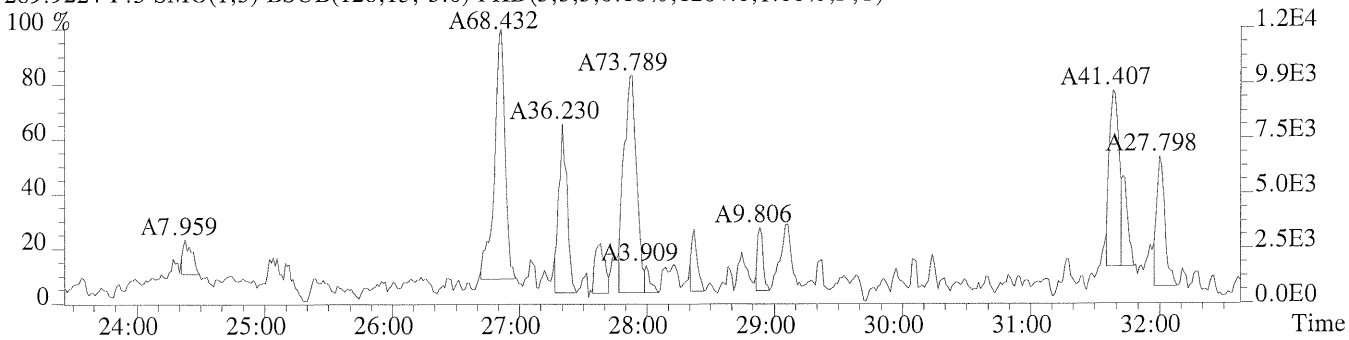
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
11/29/11 12/06/11

File:U142159 #1-336 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

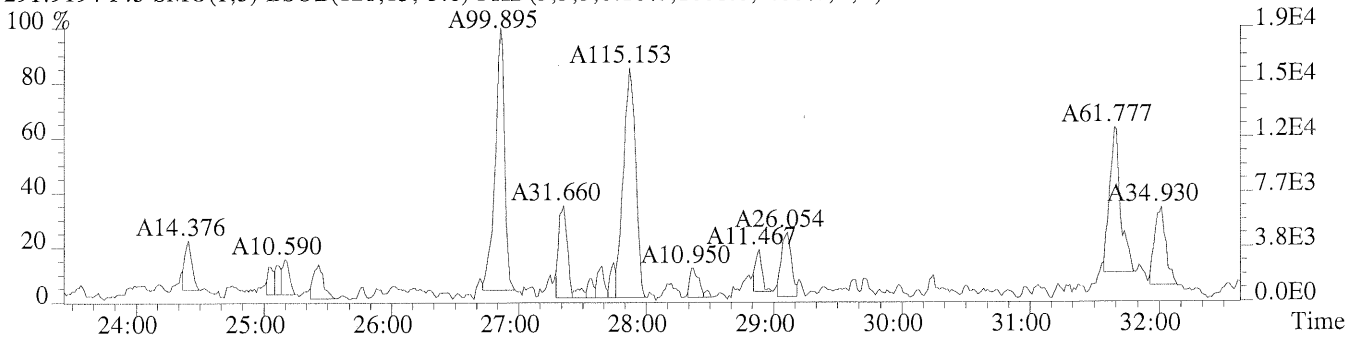


File:U142159 #1-588 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

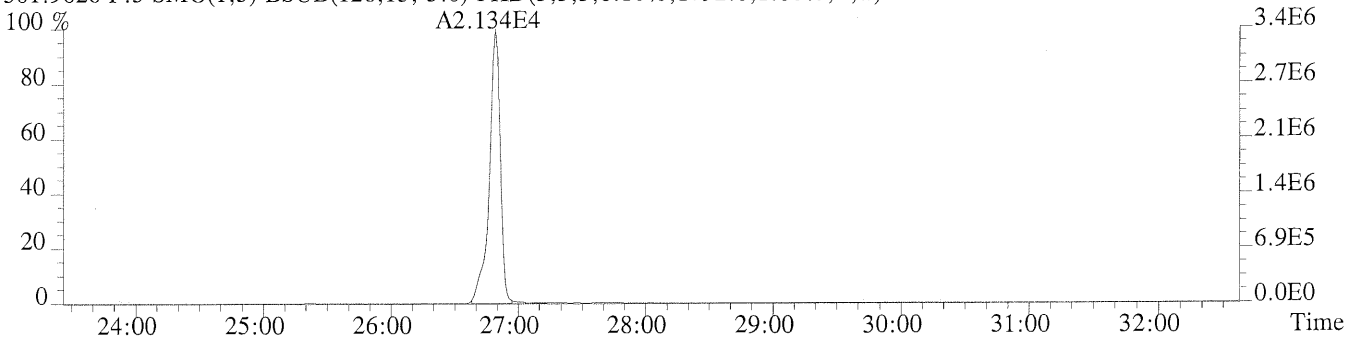
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1204.0,1.00%,F,T)



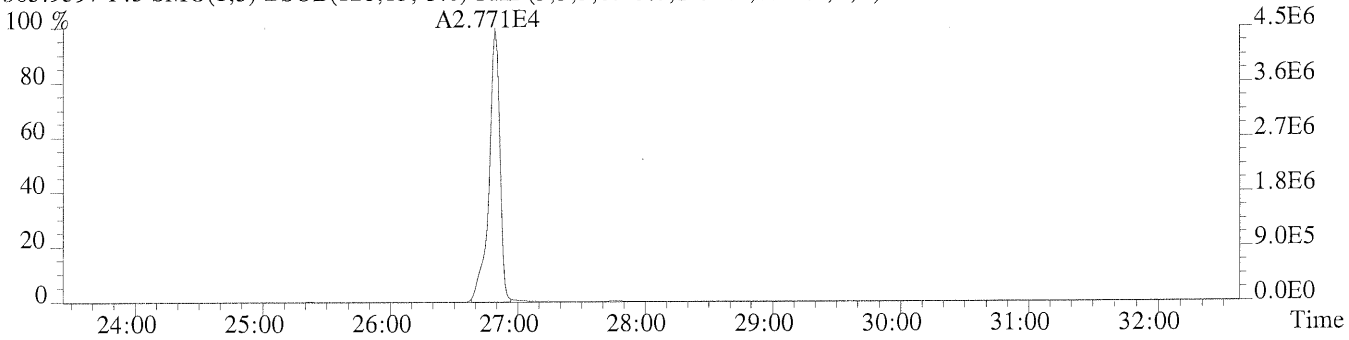
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1008.0,1.00%,F,T)



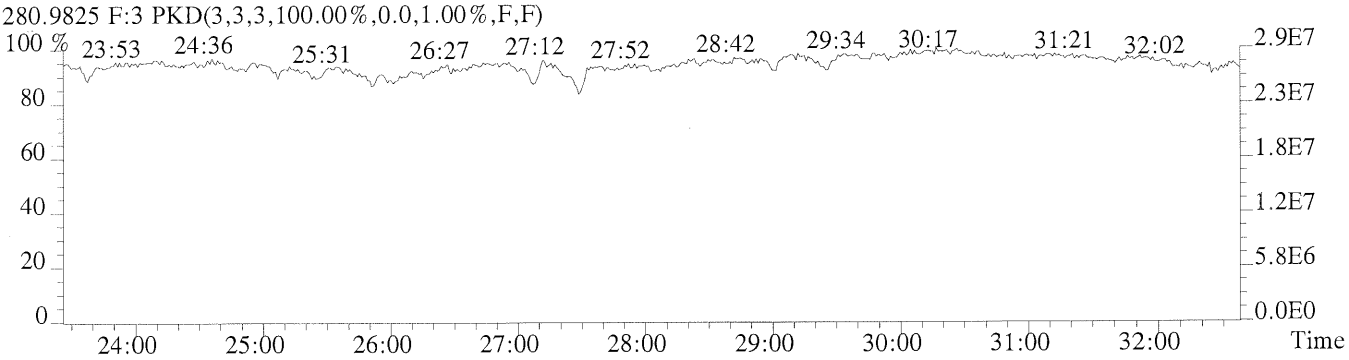
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1792.0,1.00%,F,T)



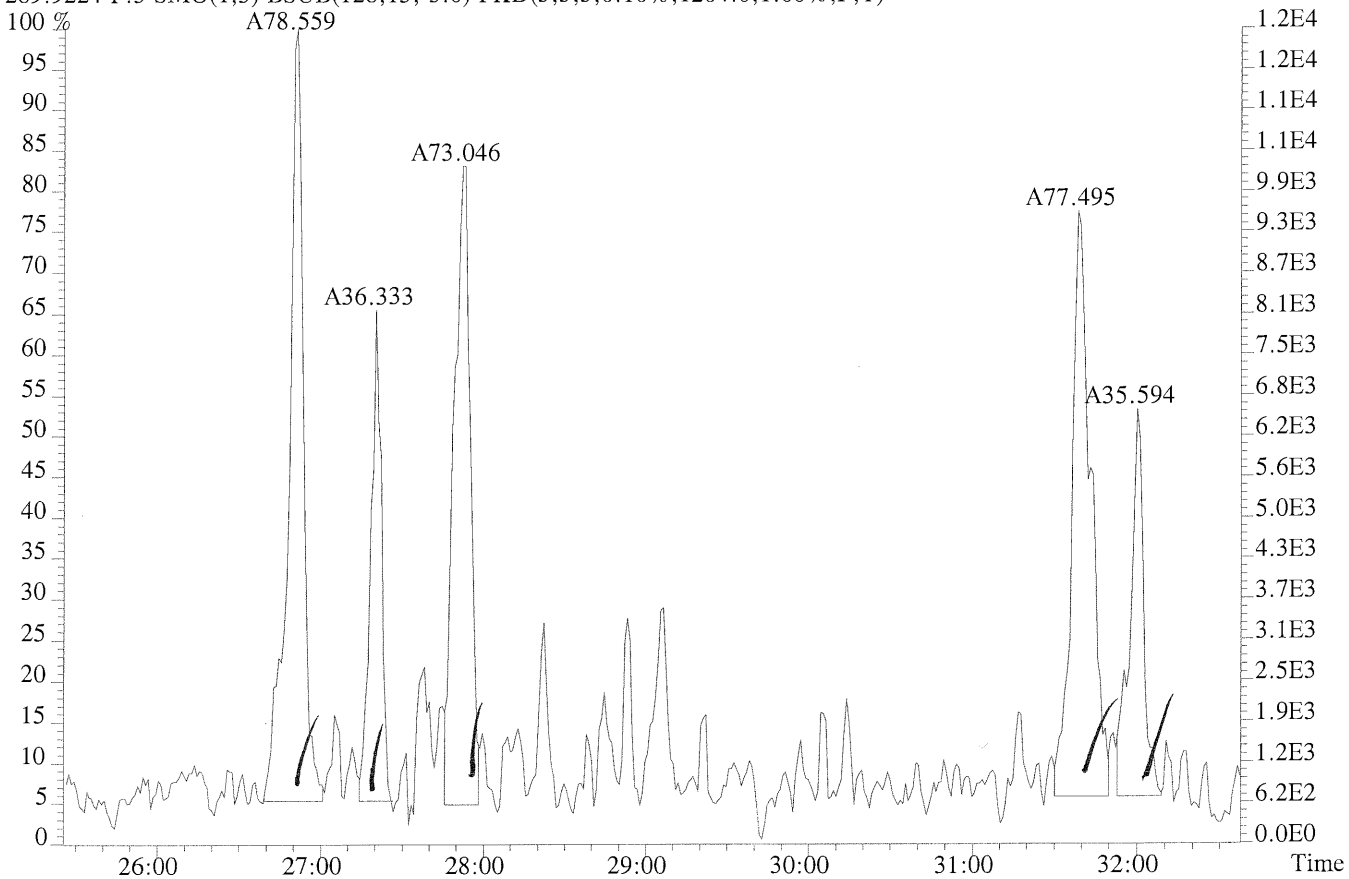
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



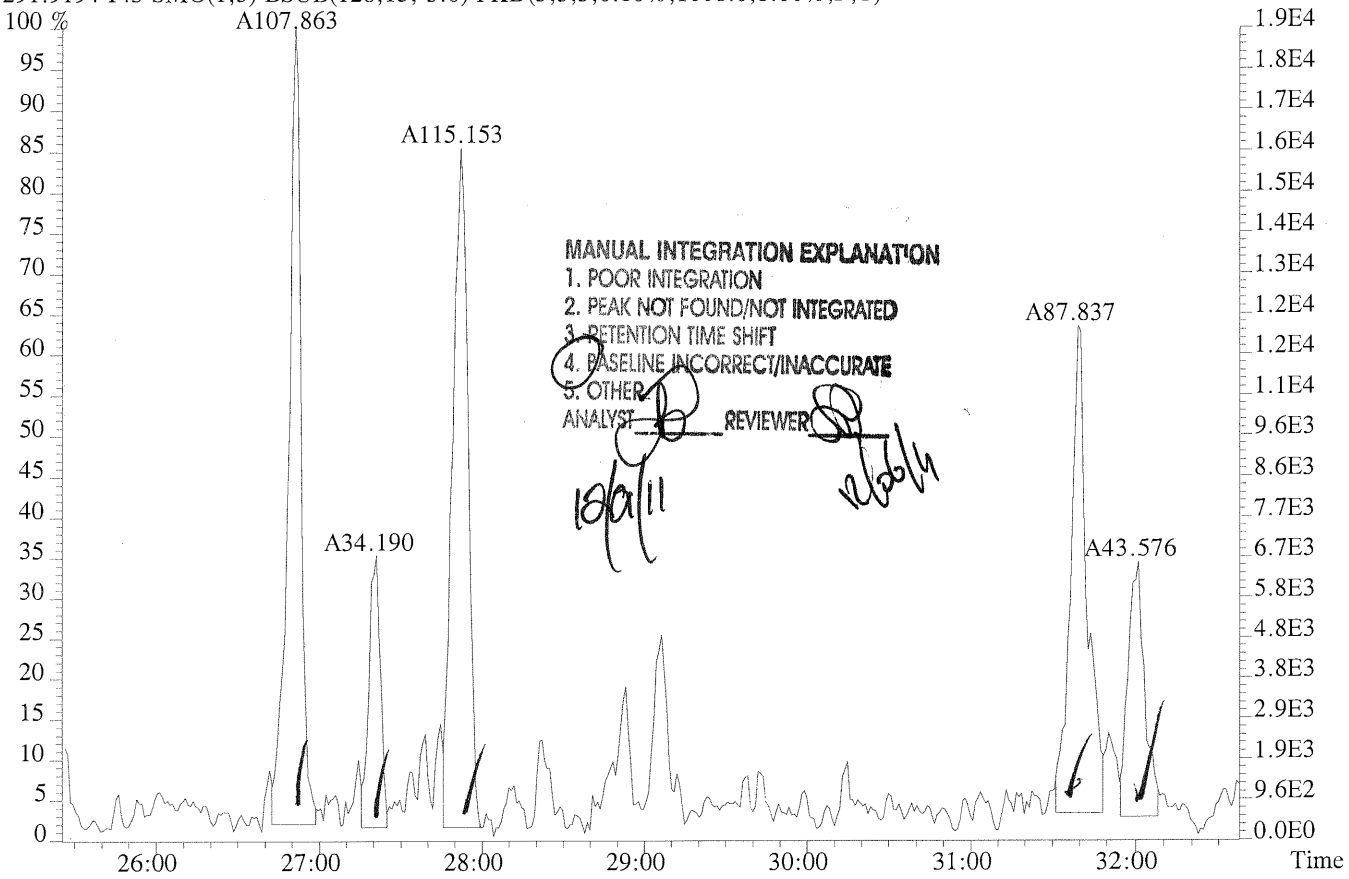
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142159 #1-588 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1204.0,1.00%,F,T)



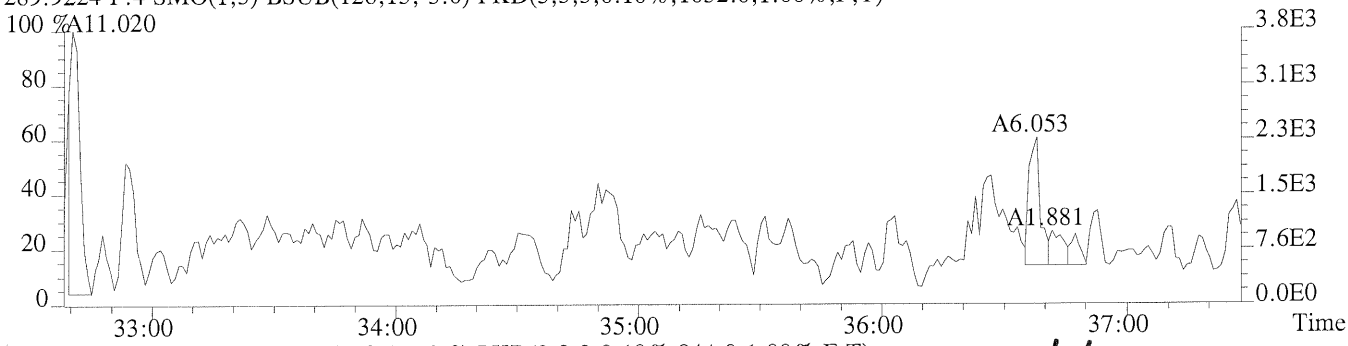
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1008.0,1.00%,F,T)



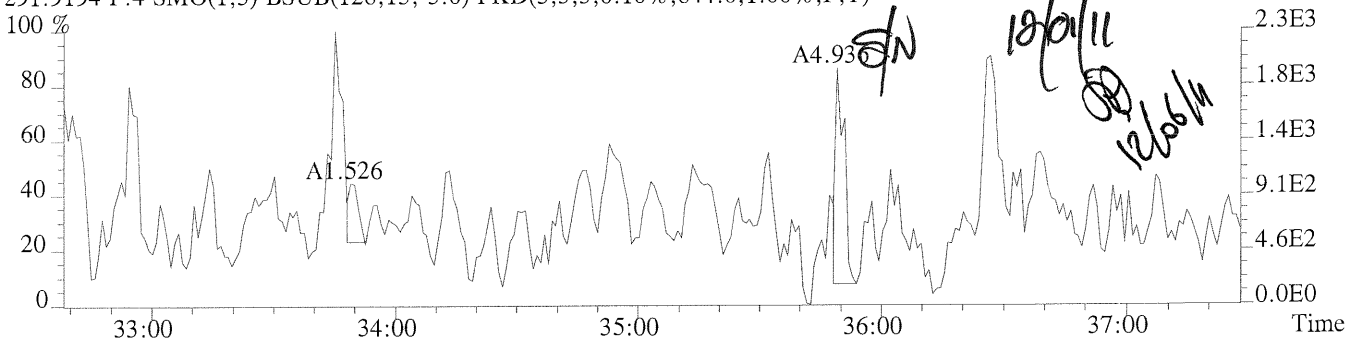
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ____ REVIEWER ____
12/6/11 12/6/11

File:U142159 #1-309 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

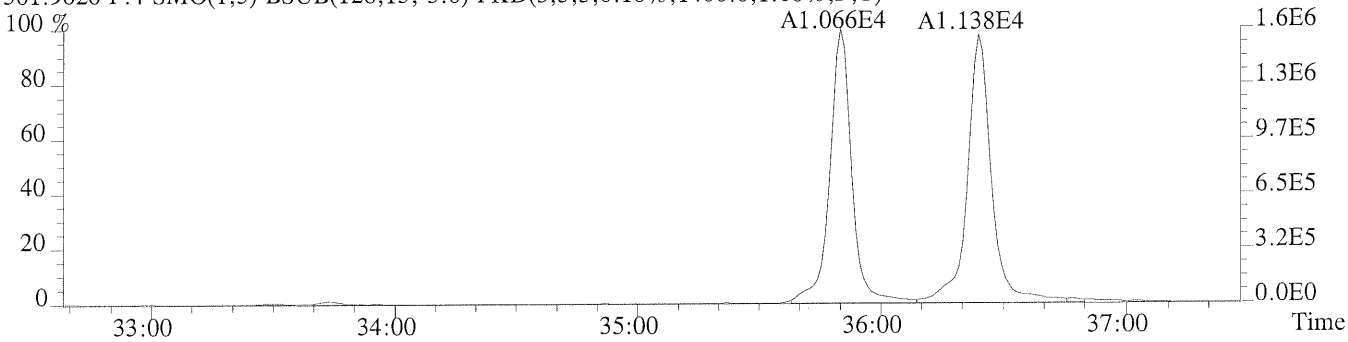
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1052.0,1.00%,F,T)



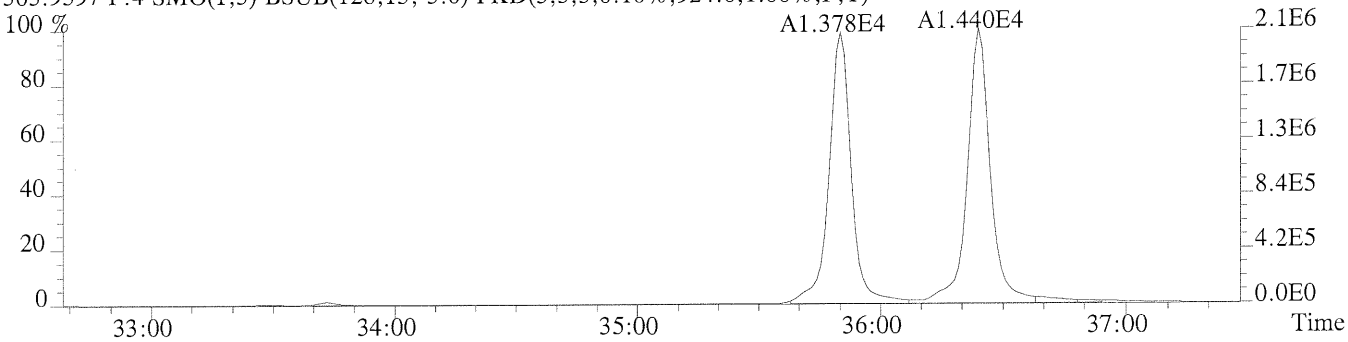
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



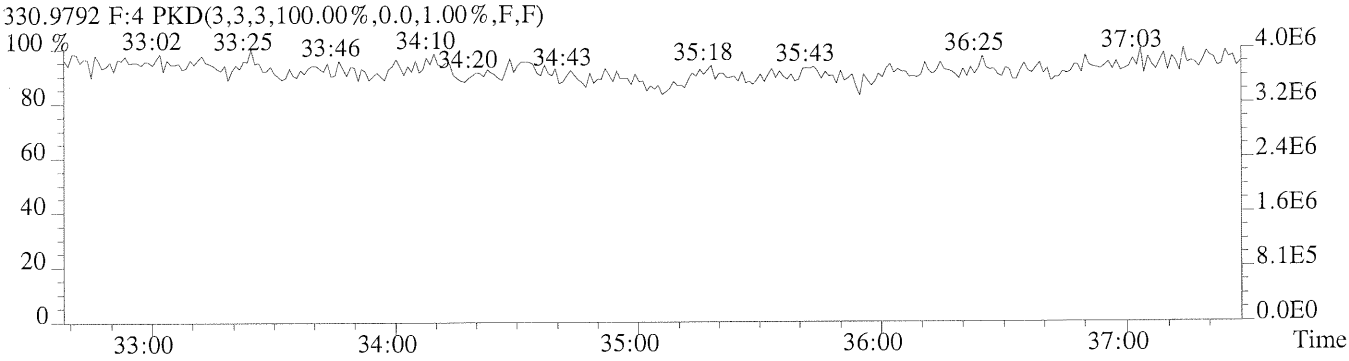
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1400.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)

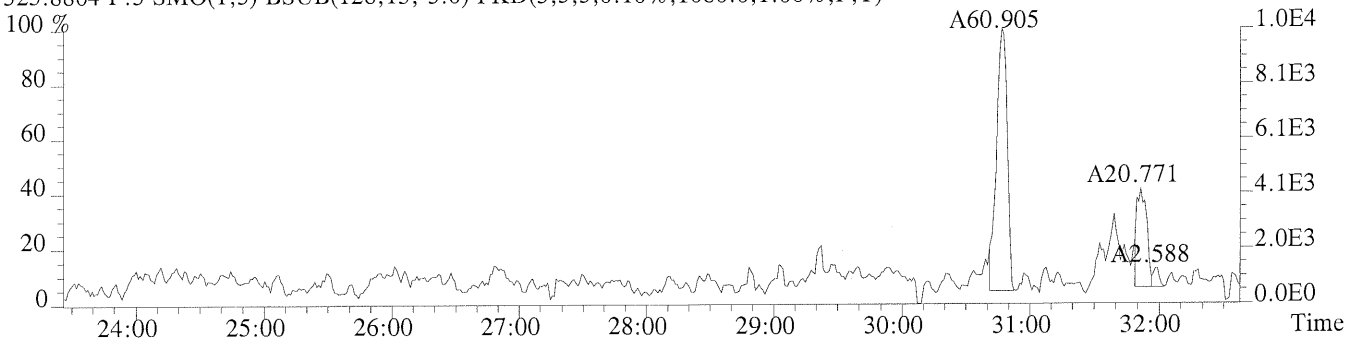


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

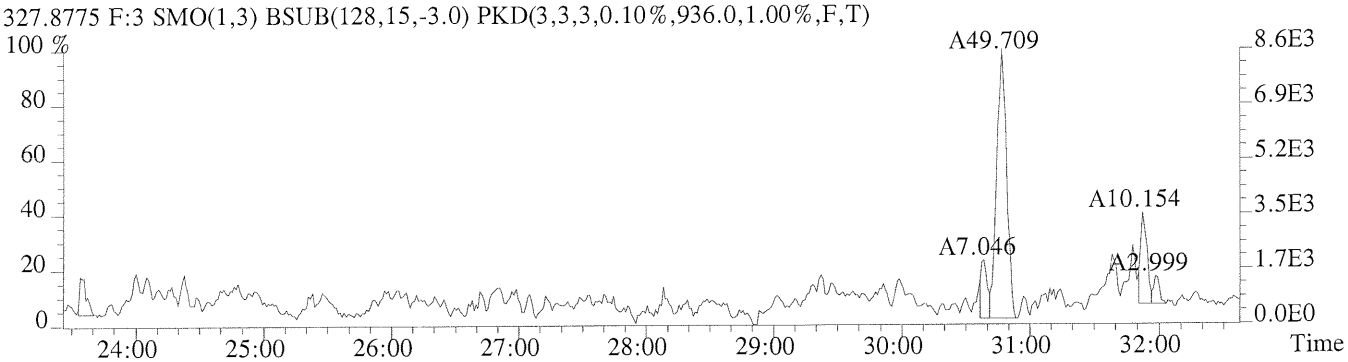


File:U142159 #1-588 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

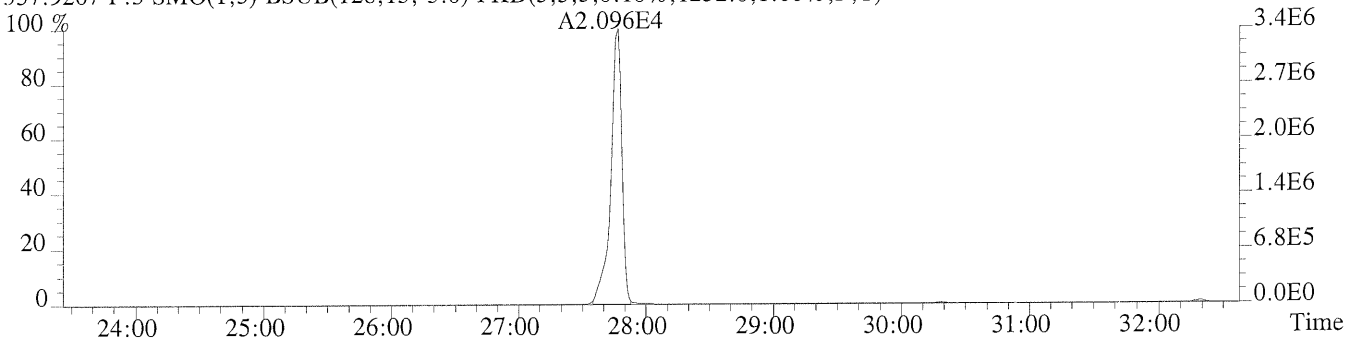
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1080.0,1.00%,F,T)



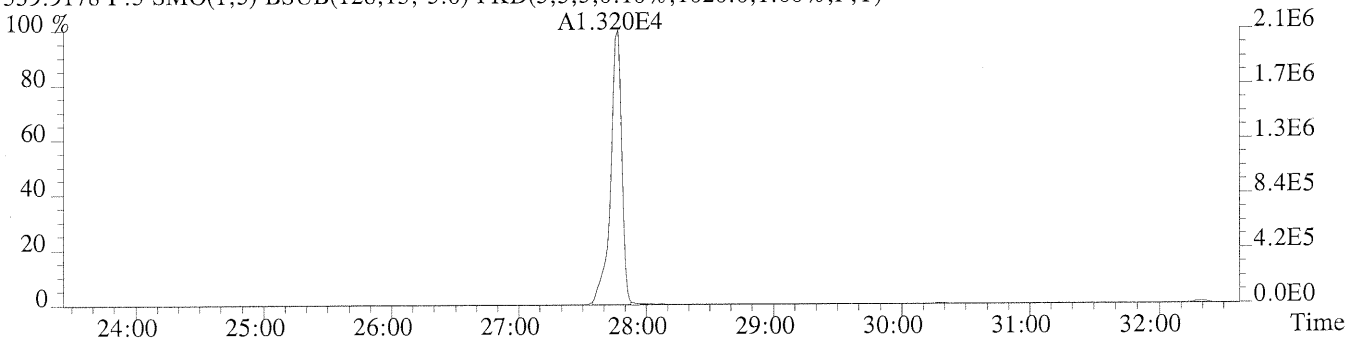
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)



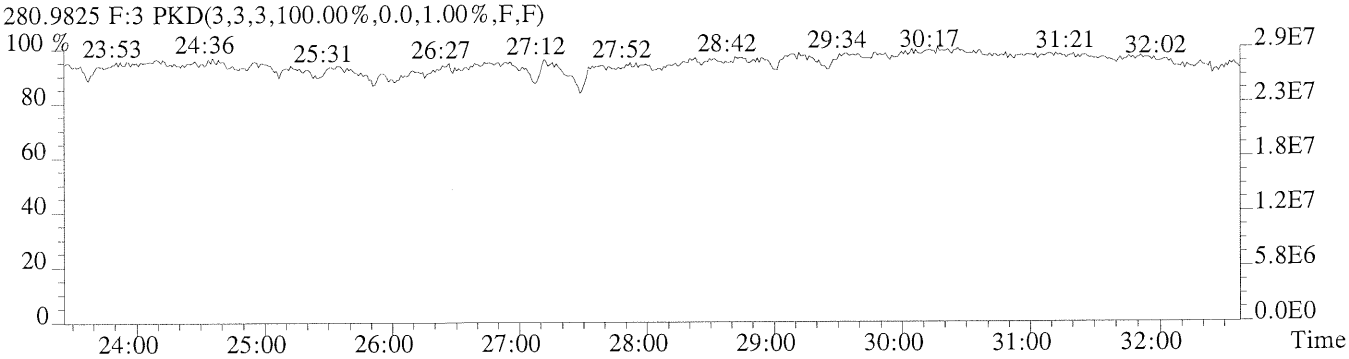
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1232.0,1.00%,F,T)



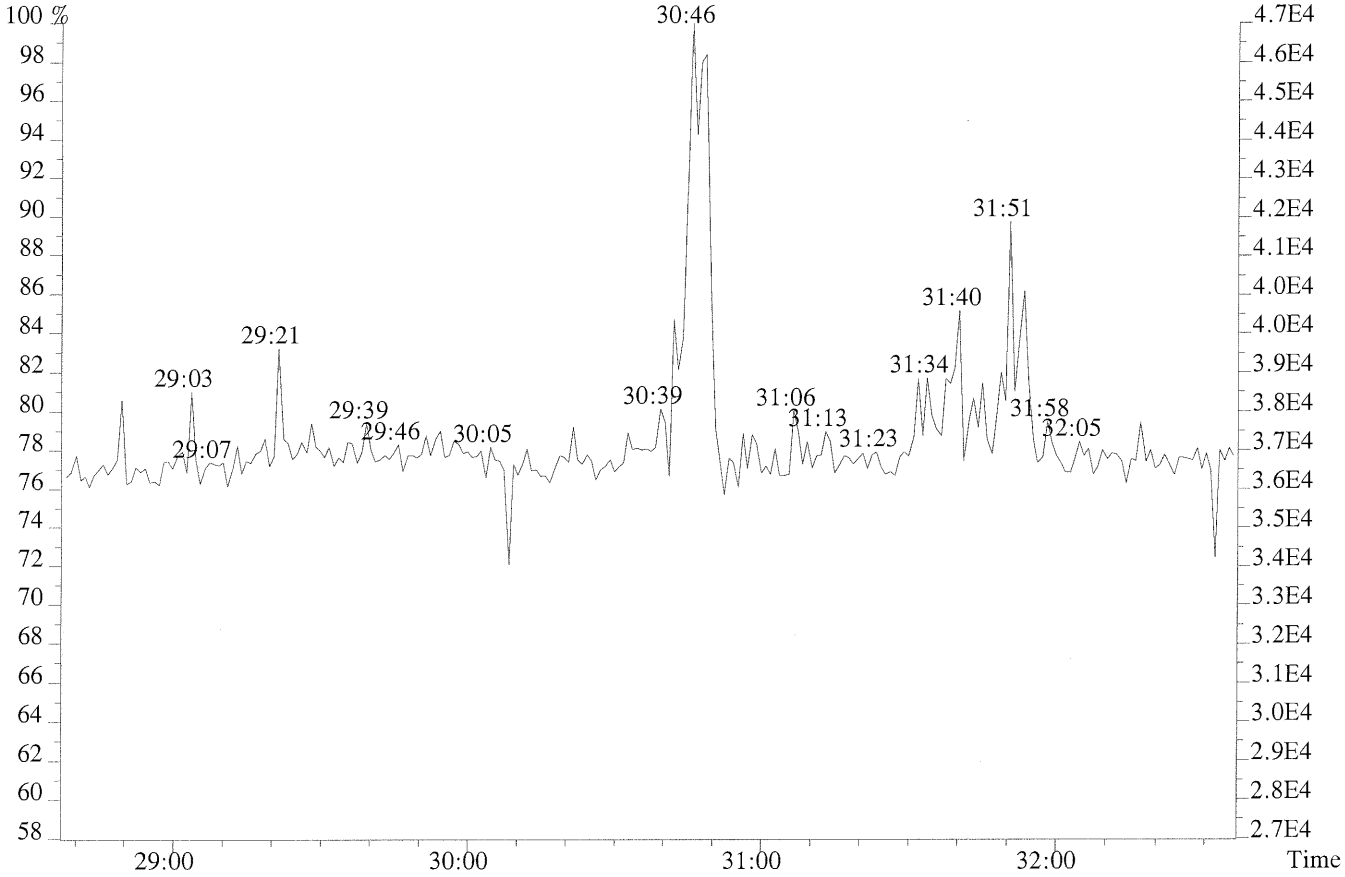
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1020.0,1.00%,F,T)



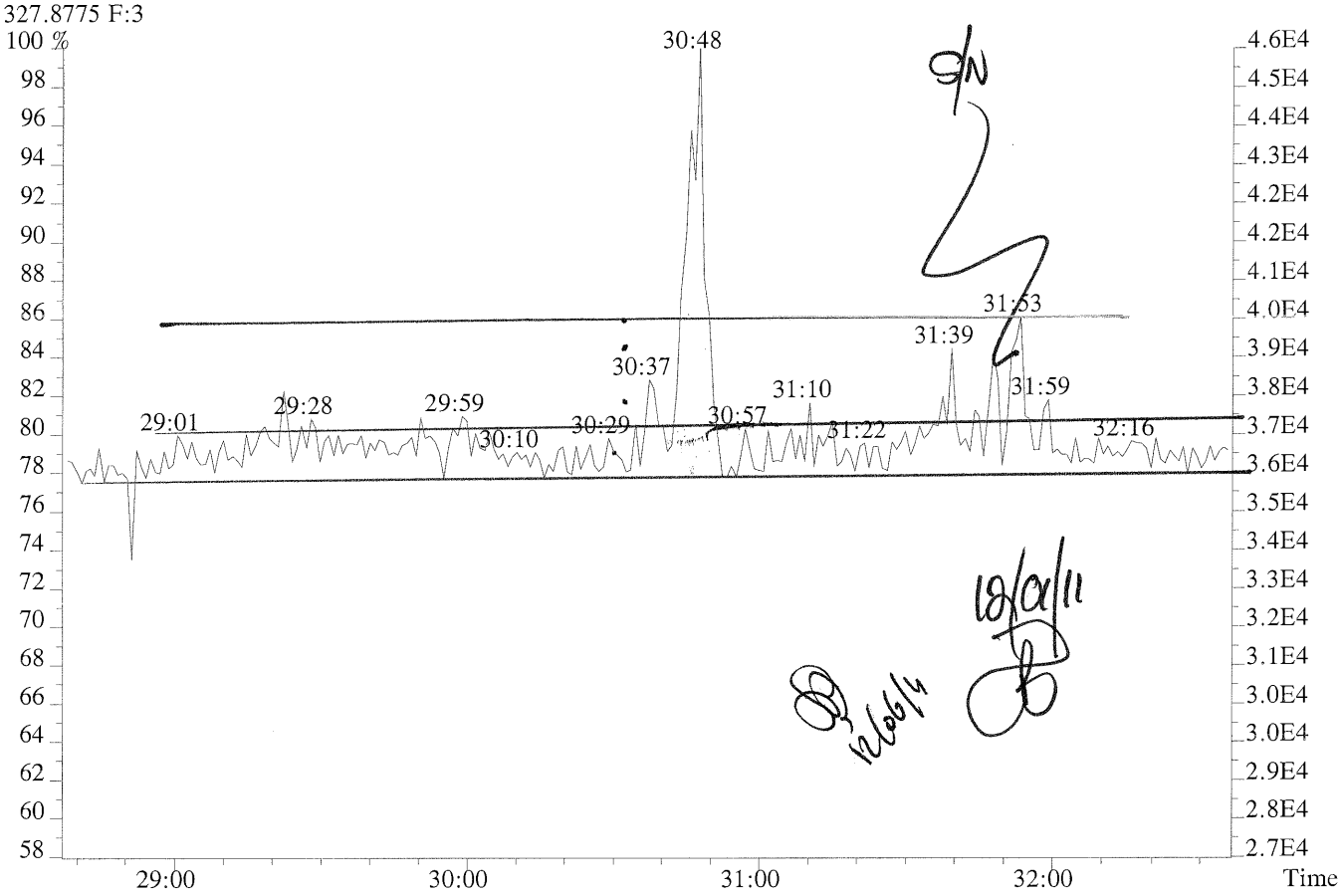
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



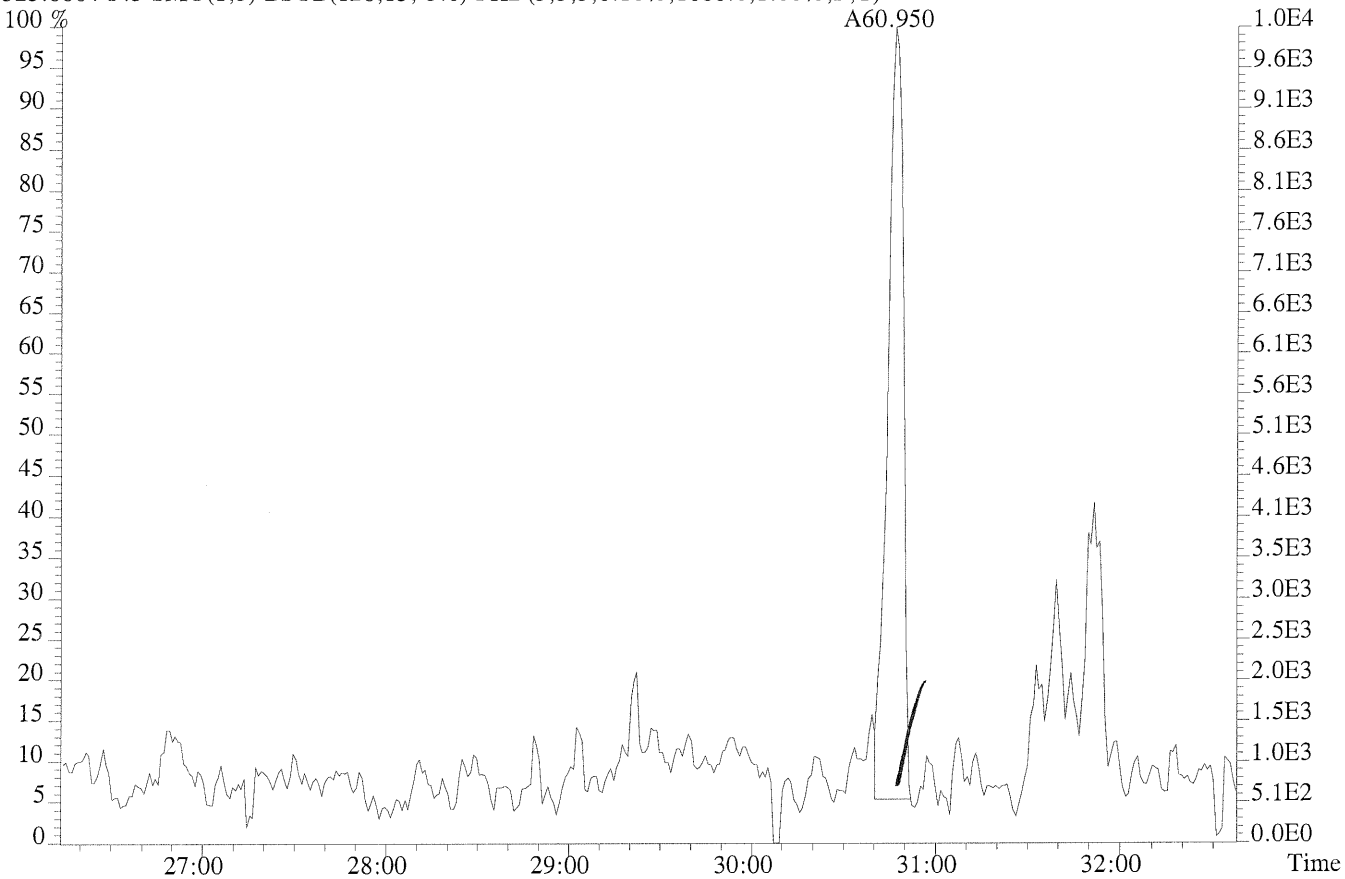
File:U142159 #1-588 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
325.8804 F:3



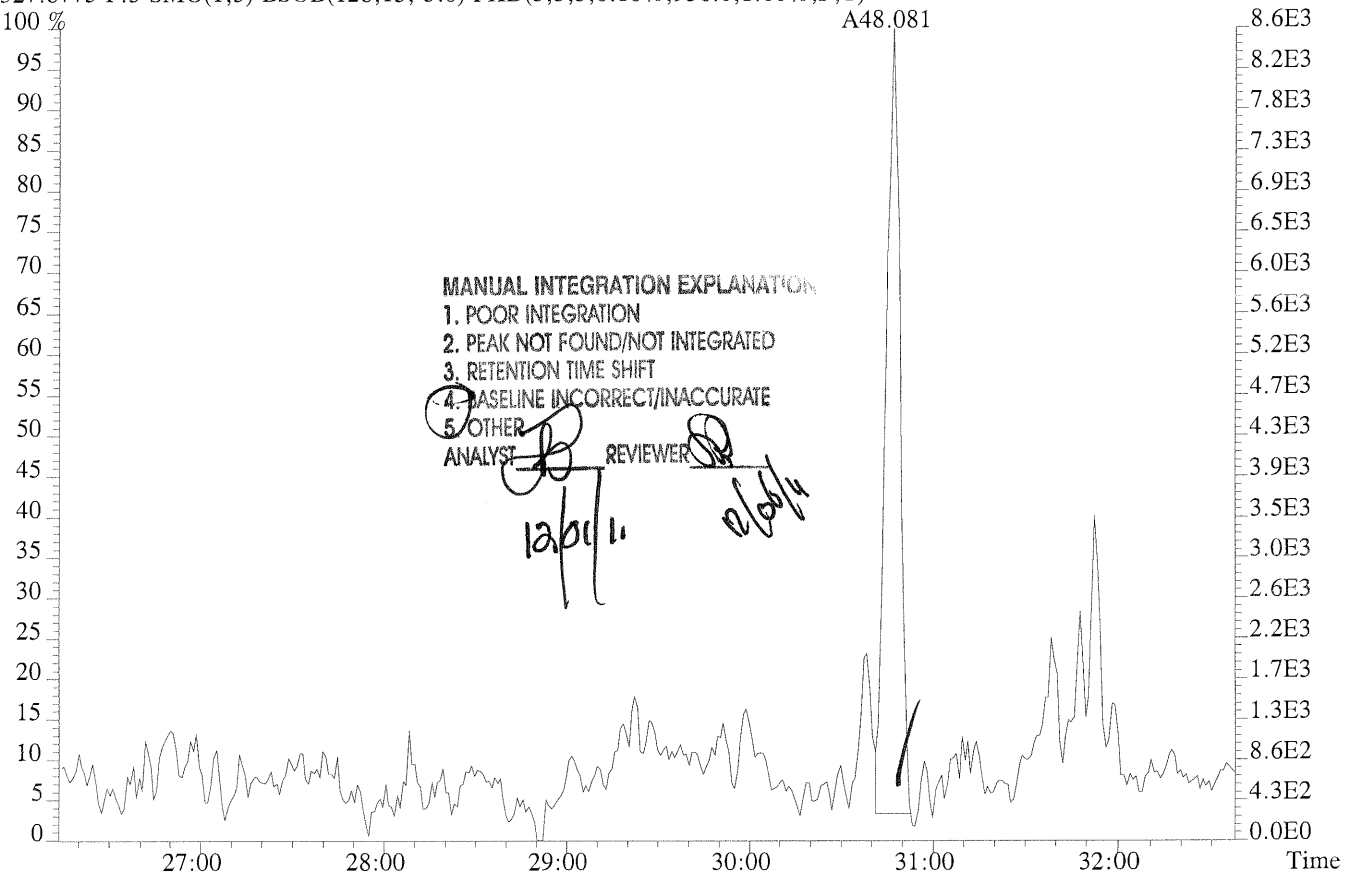
327.8775 F:3



File:U142159 #1-588 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1080.0,1.00%,F,T)



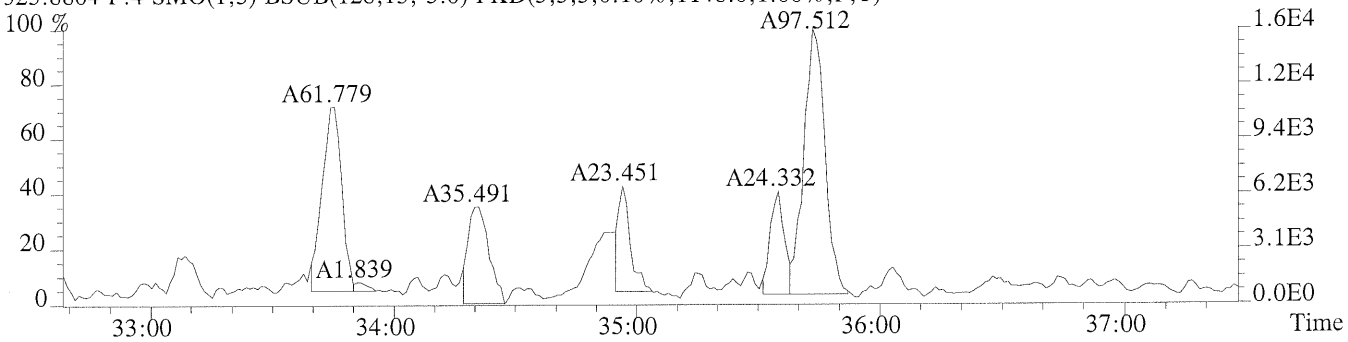
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)



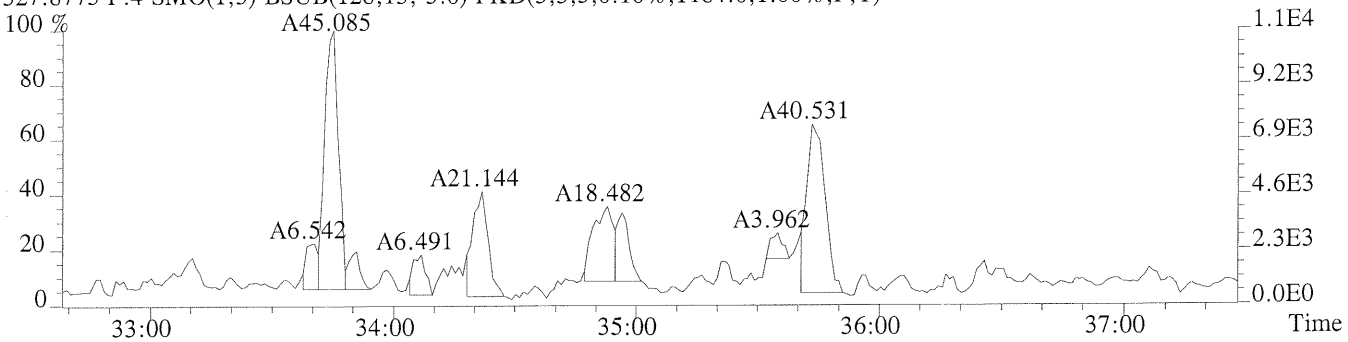
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
12/01/11 12/06/11

File:U142159 #1-309 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

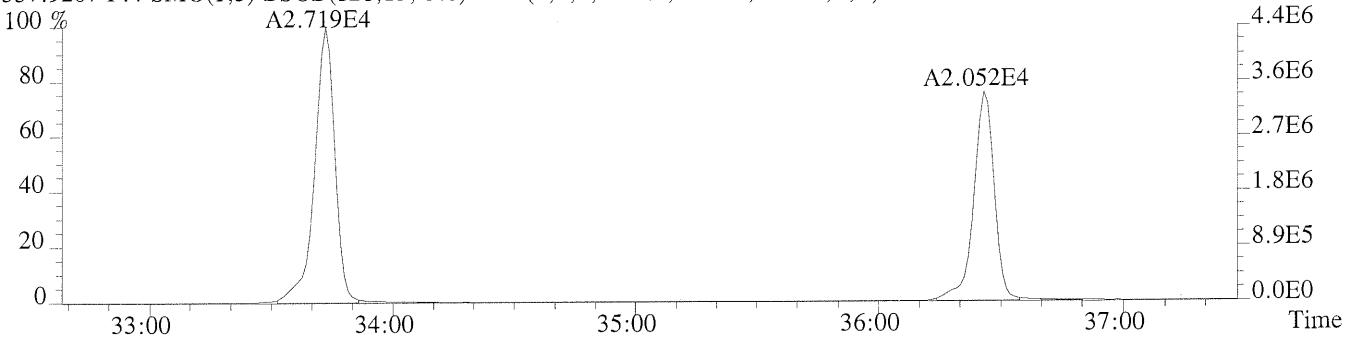
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)



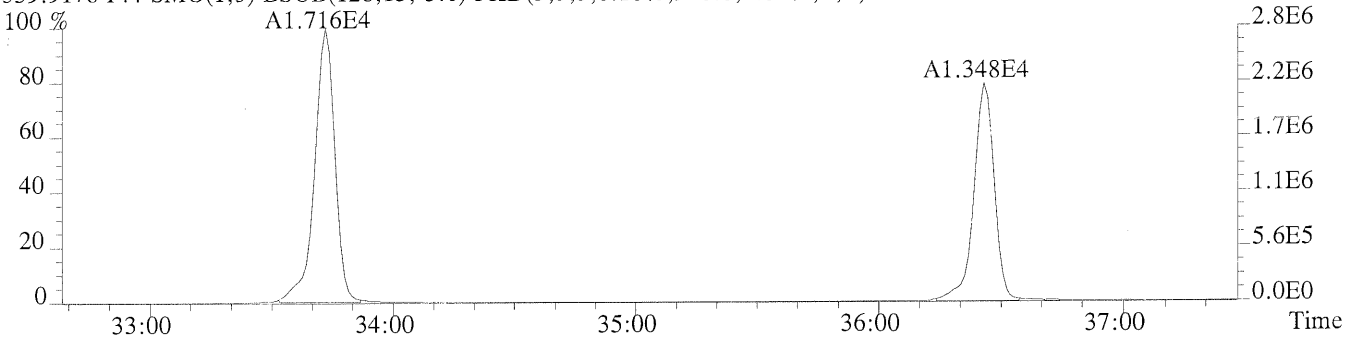
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1184.0,1.00%,F,T)



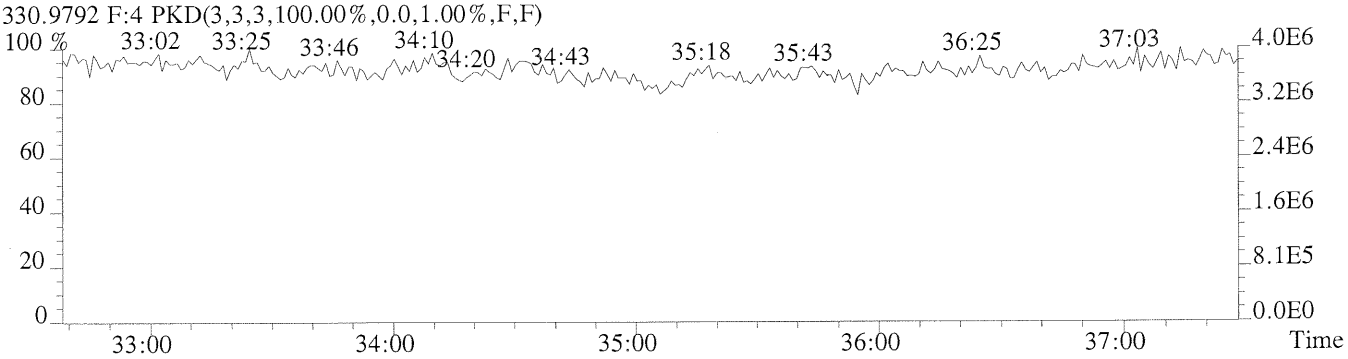
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1624.0,1.00%,F,T)



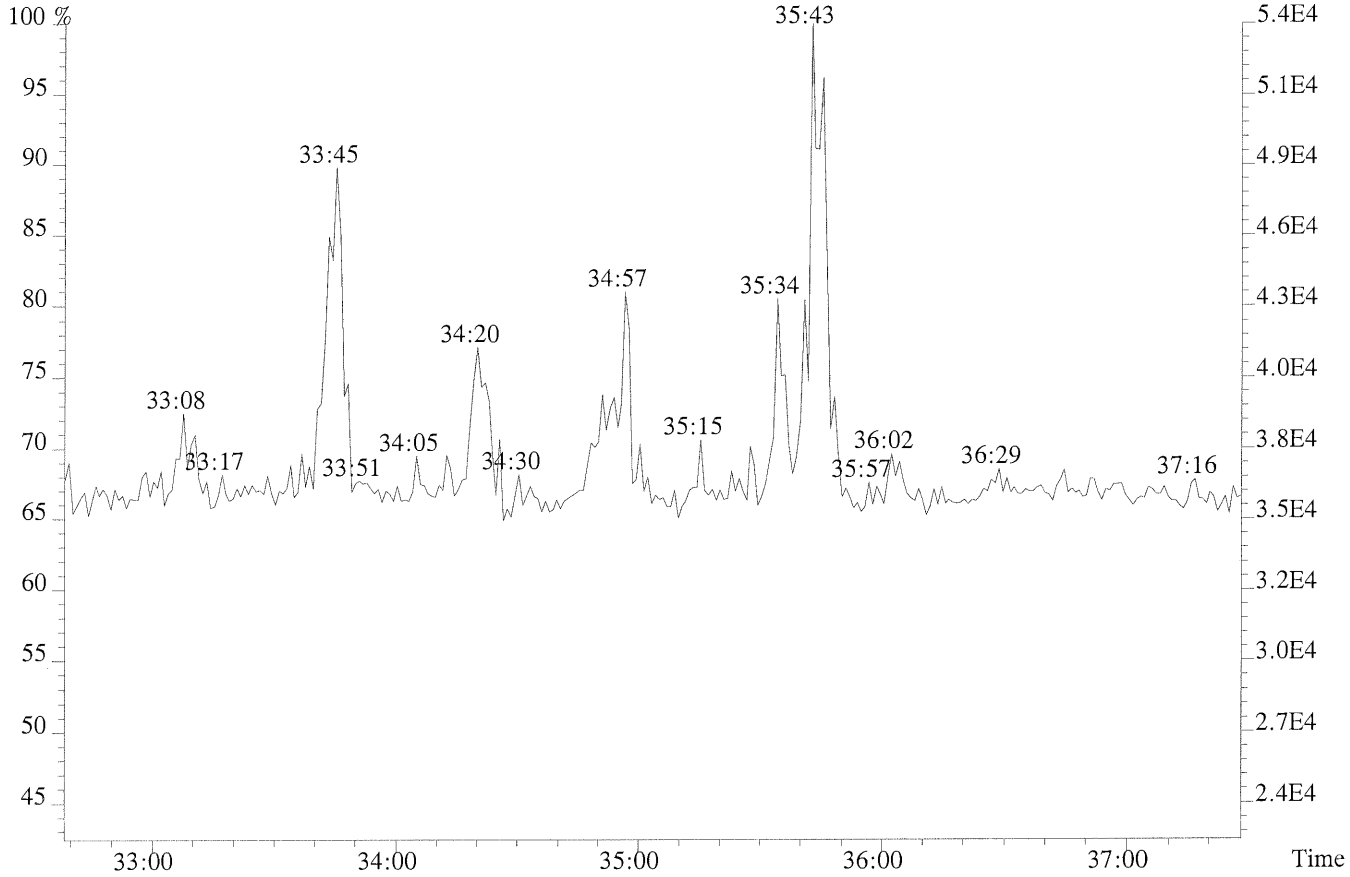
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,920.0,1.00%,F,T)



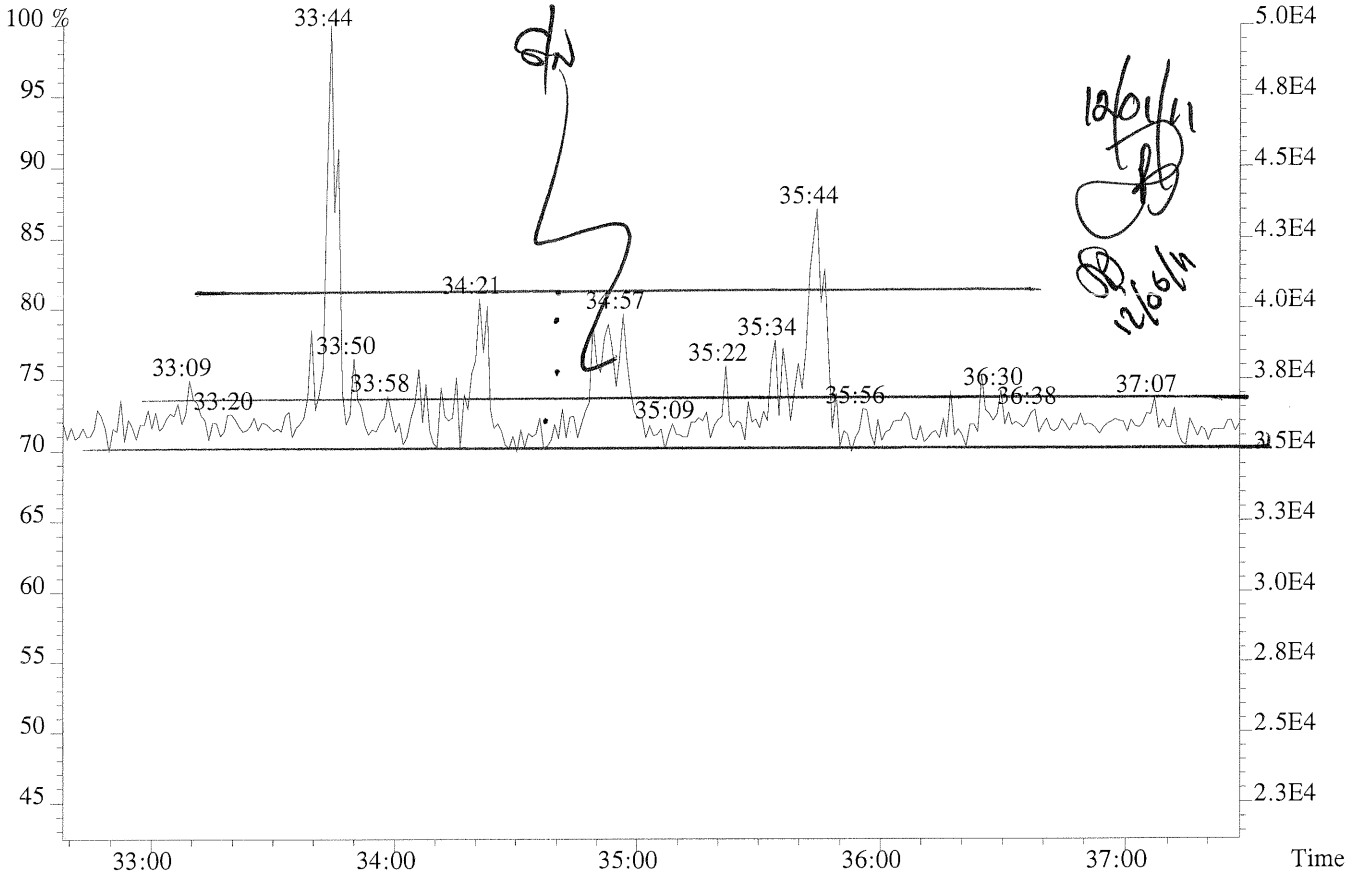
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



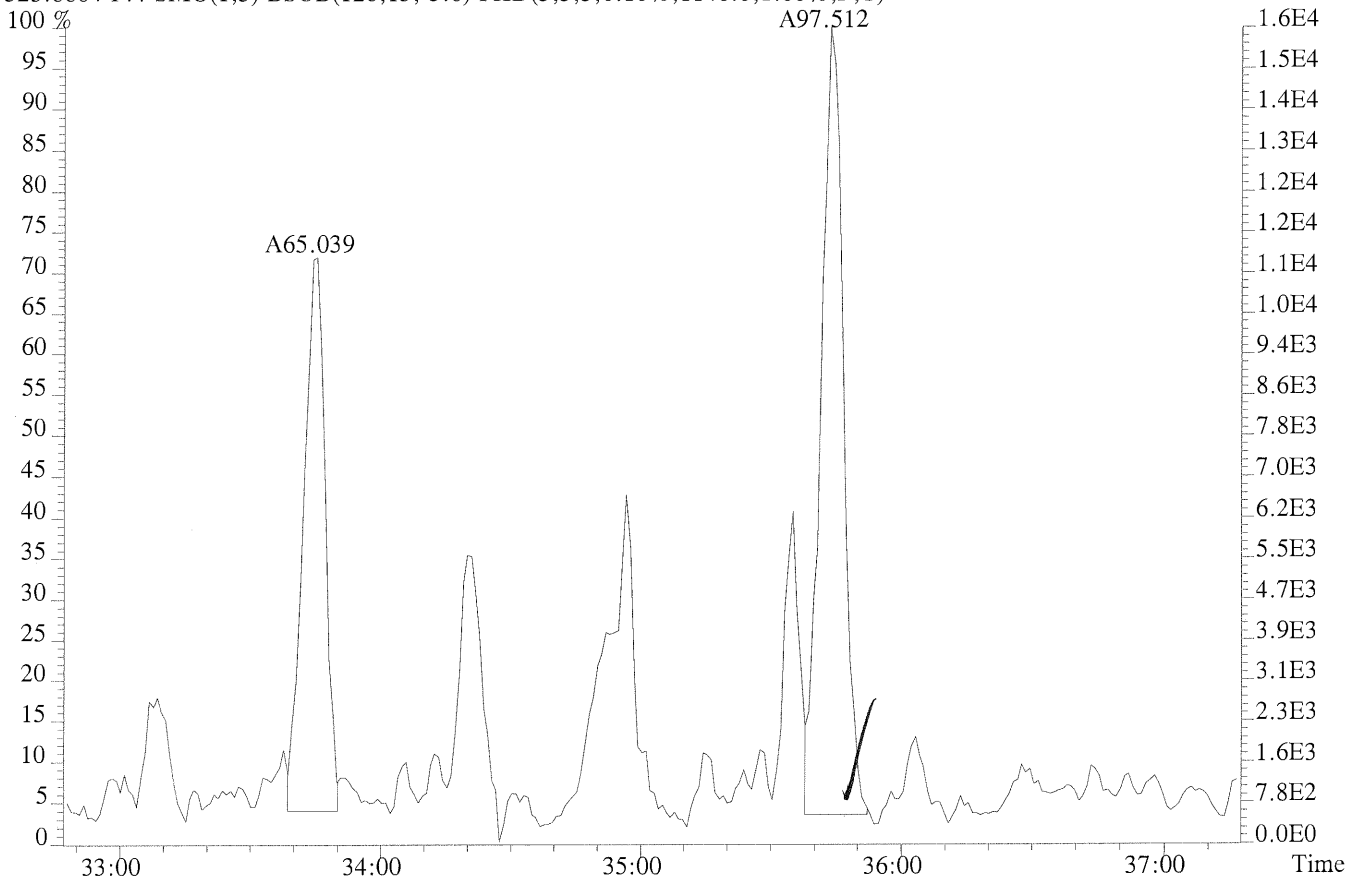
File:U142159 #1-309 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
325.8804 F:4



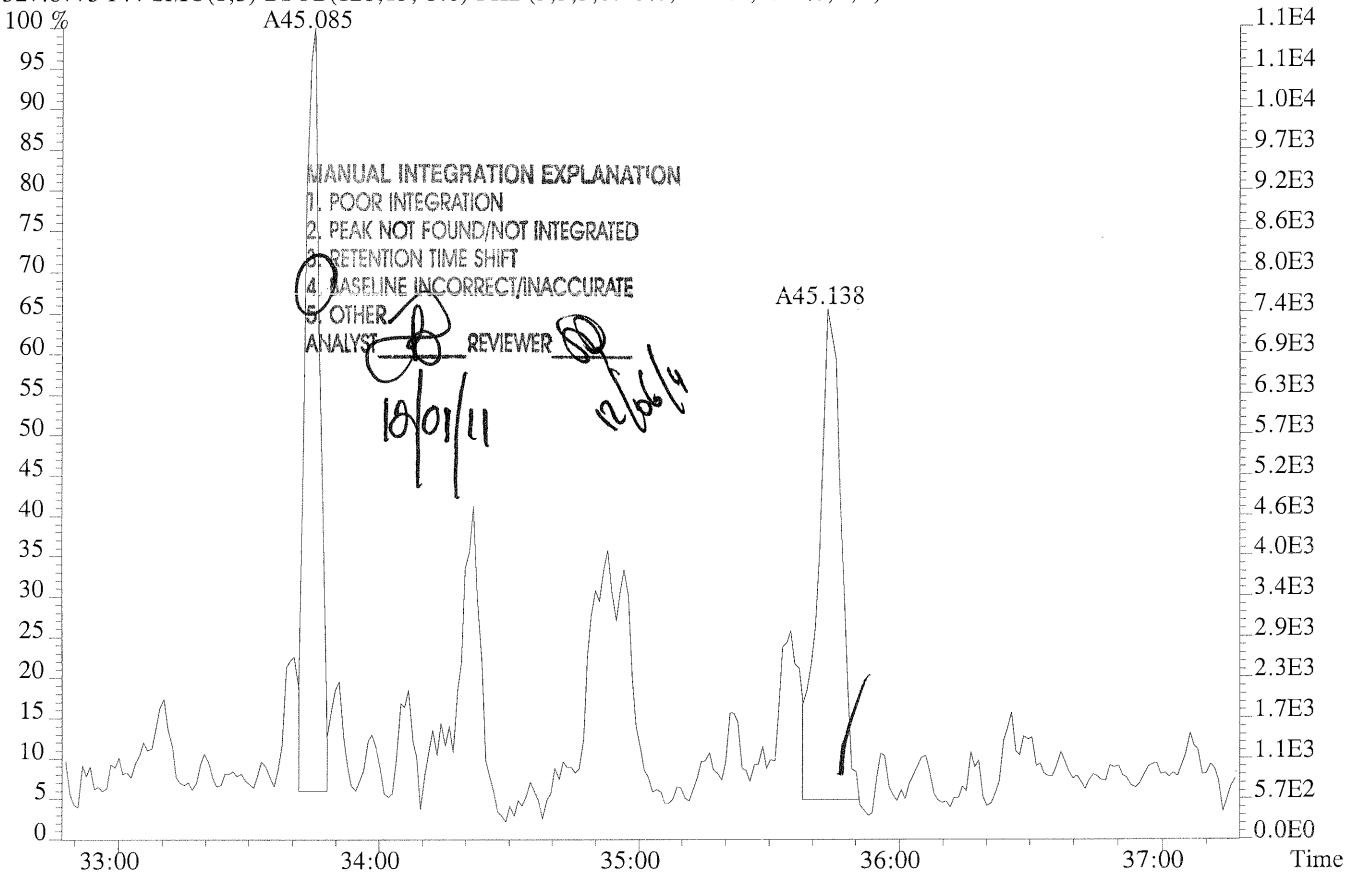
327.8775 F:4



File:U142159 #1-309 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)

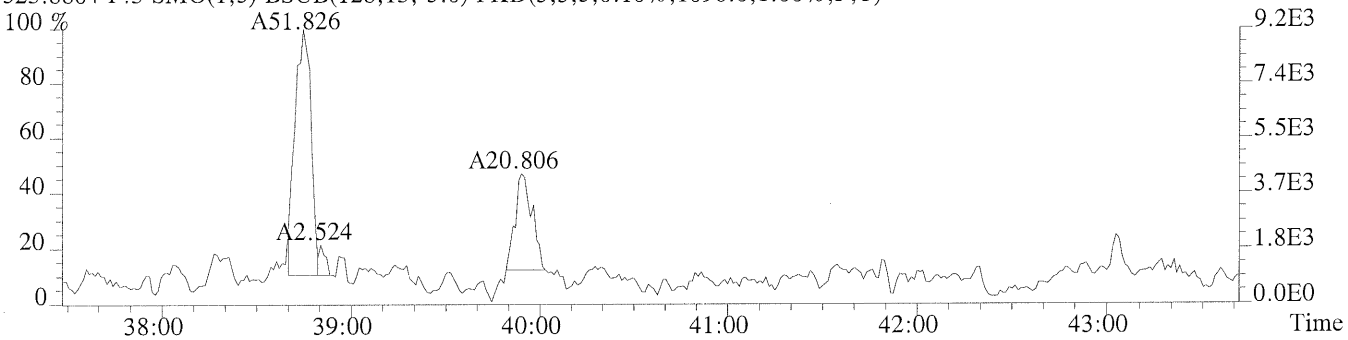


327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1184.0,1.00%,F,T)

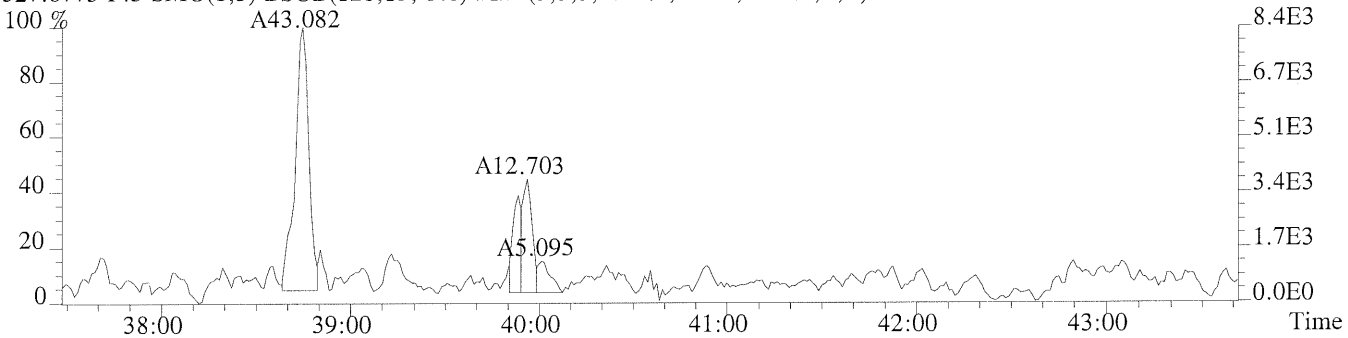


File:U142159 #1-398 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

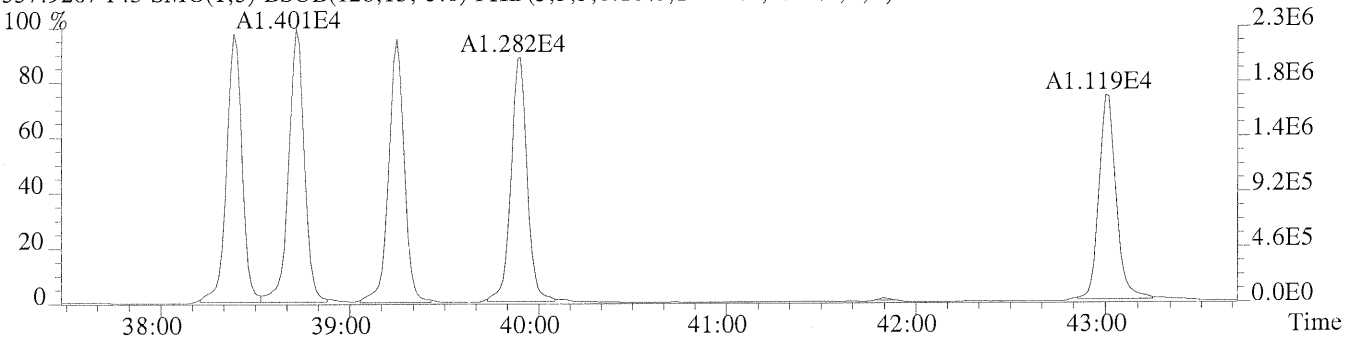
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)



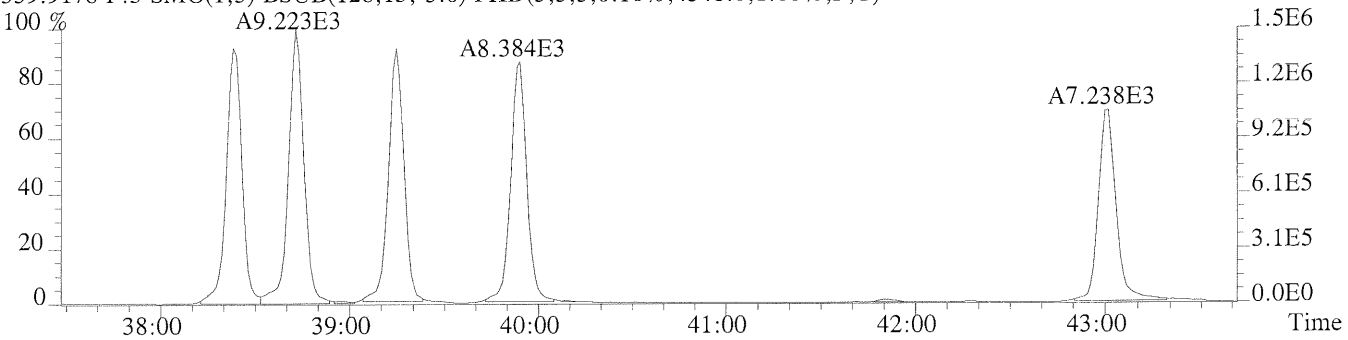
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,792.0,1.00%,F,T)



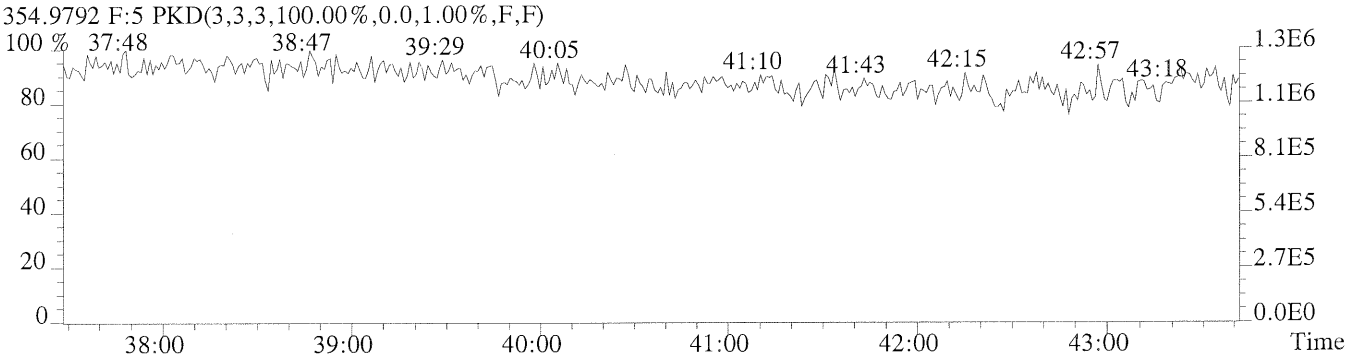
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10424.0,1.00%,F,T)



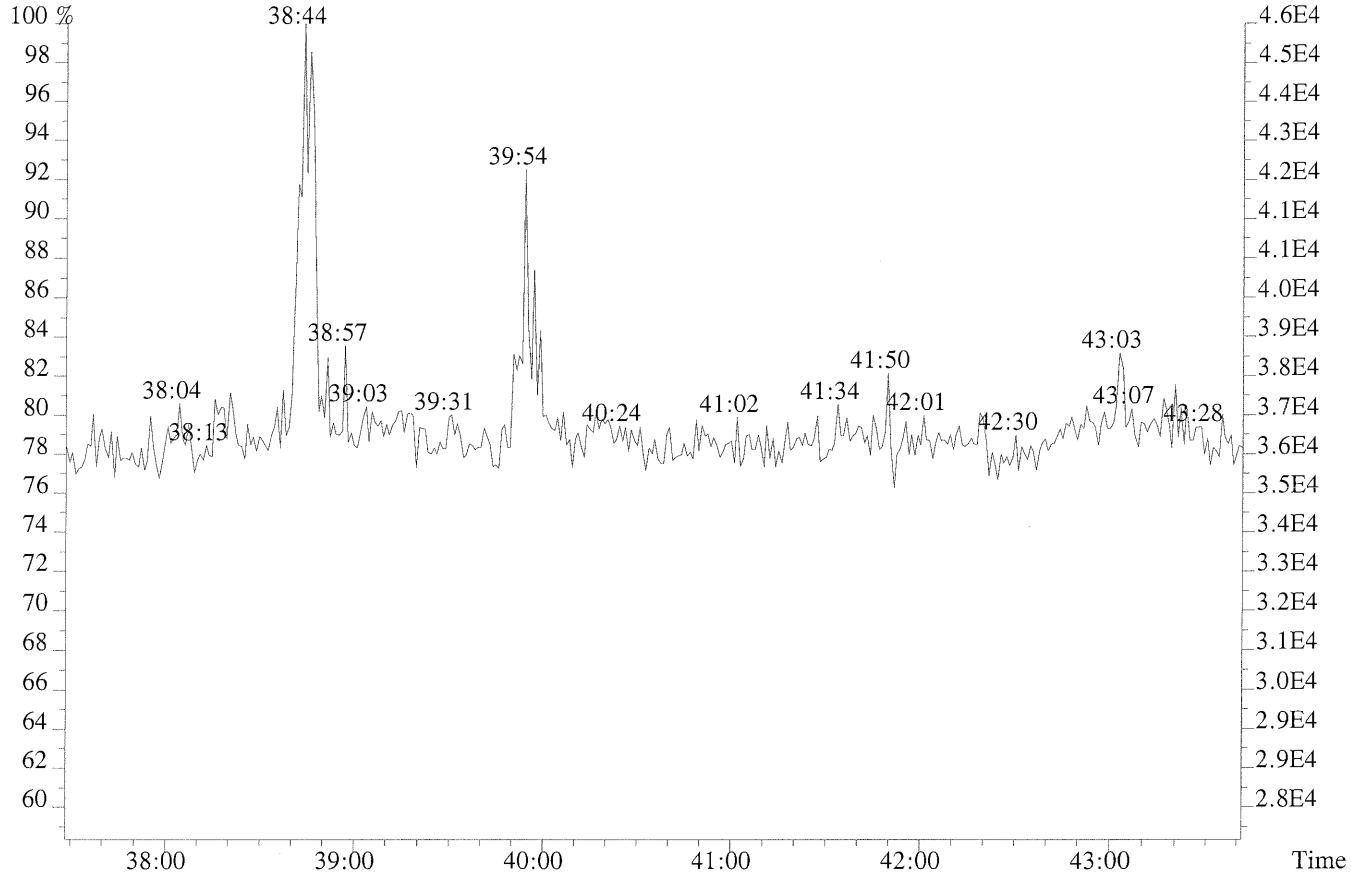
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4348.0,1.00%,F,T)



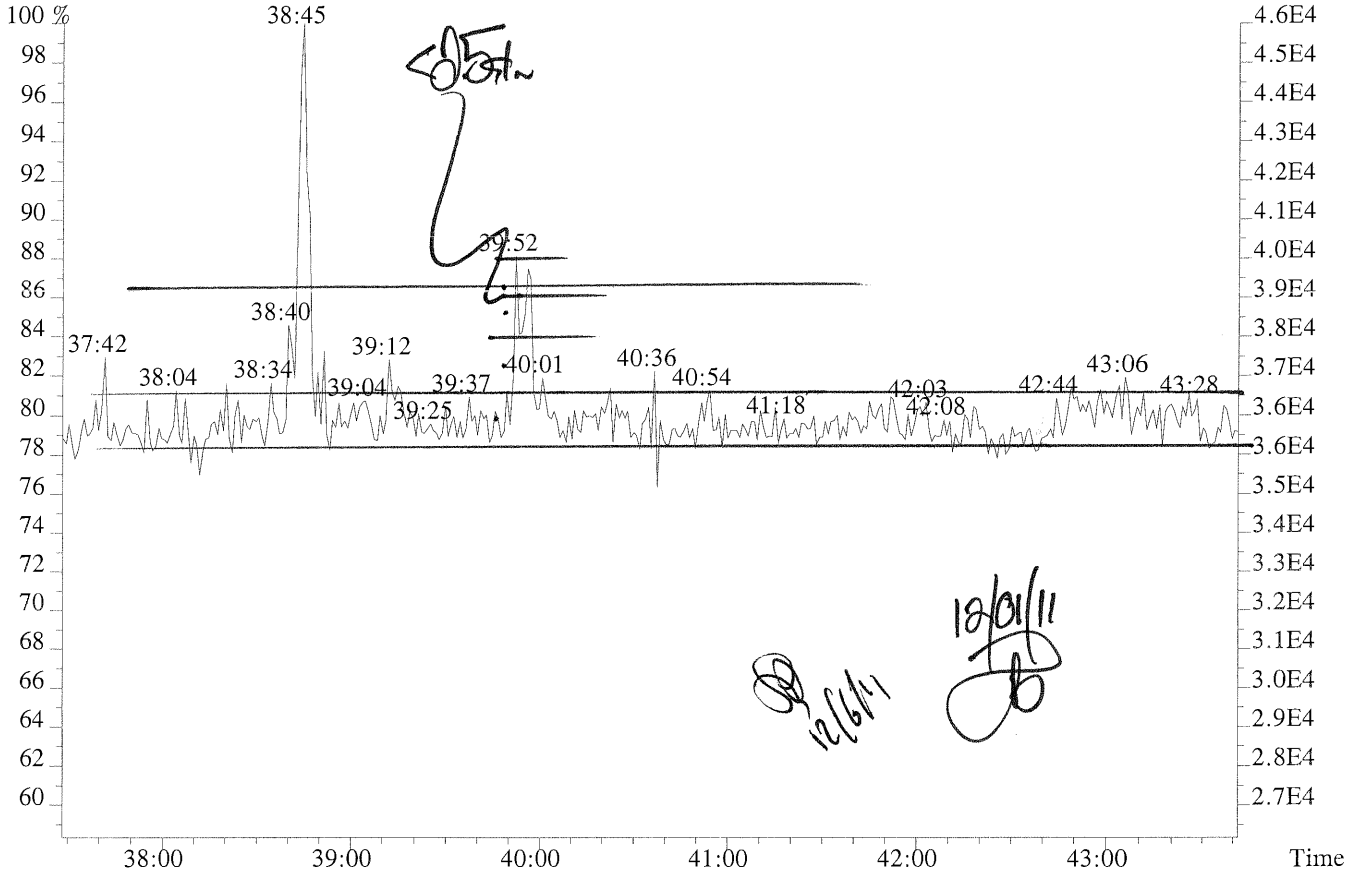
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142159 #1-398 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
325.8804 F:5



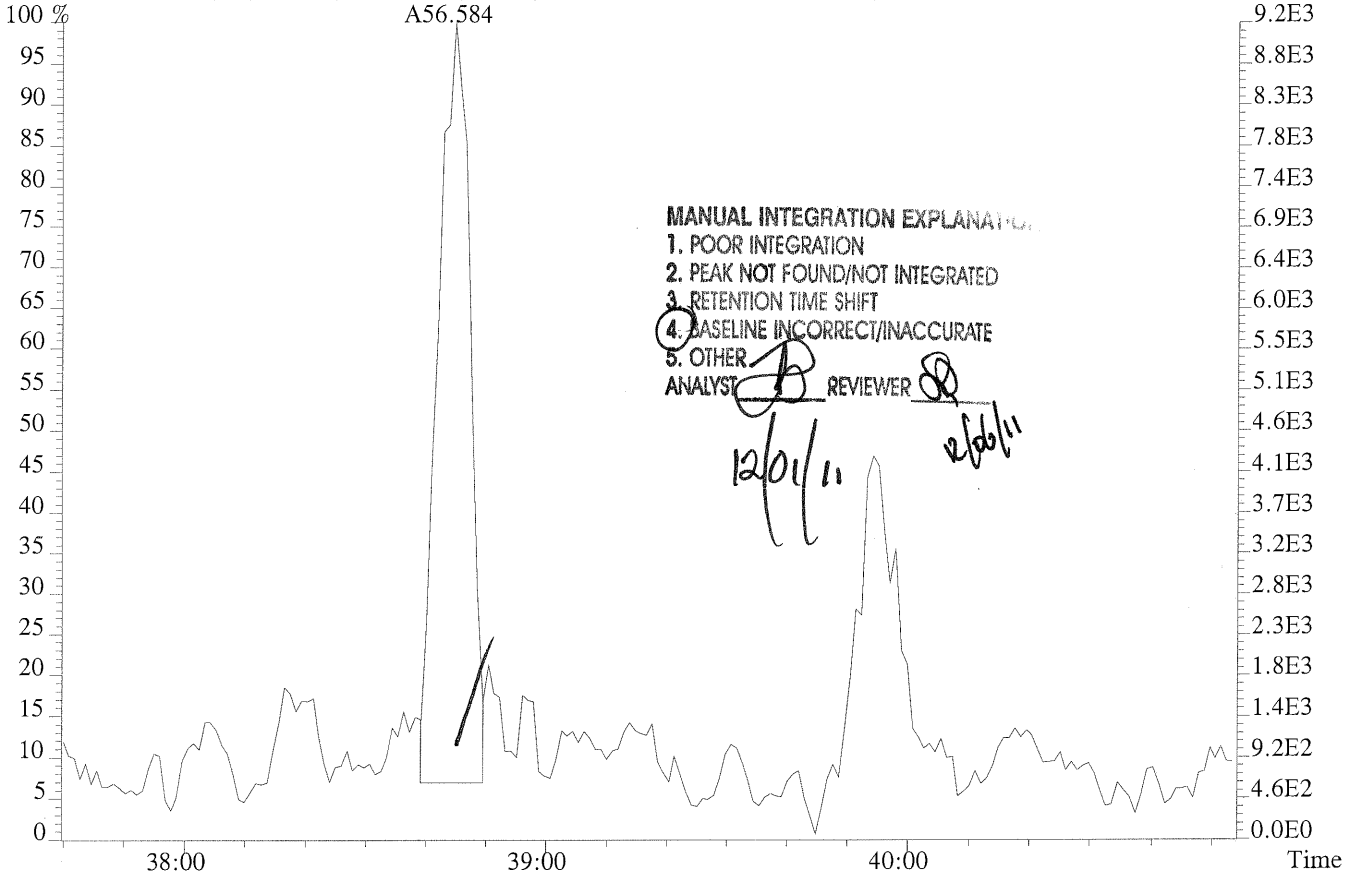
327.8775 F:5



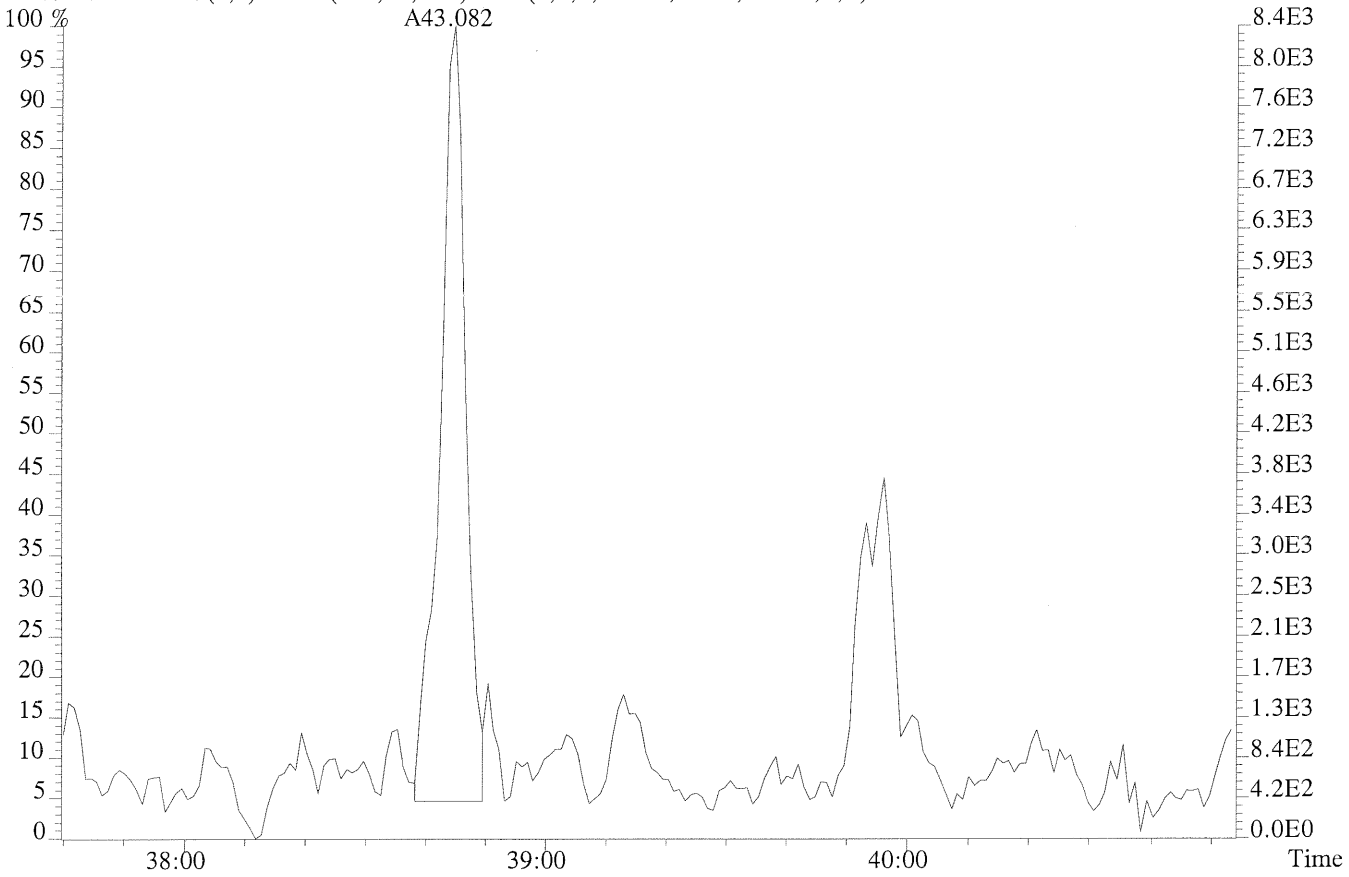
12/6/11

12/01/11

File:U142159 #1-398 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)

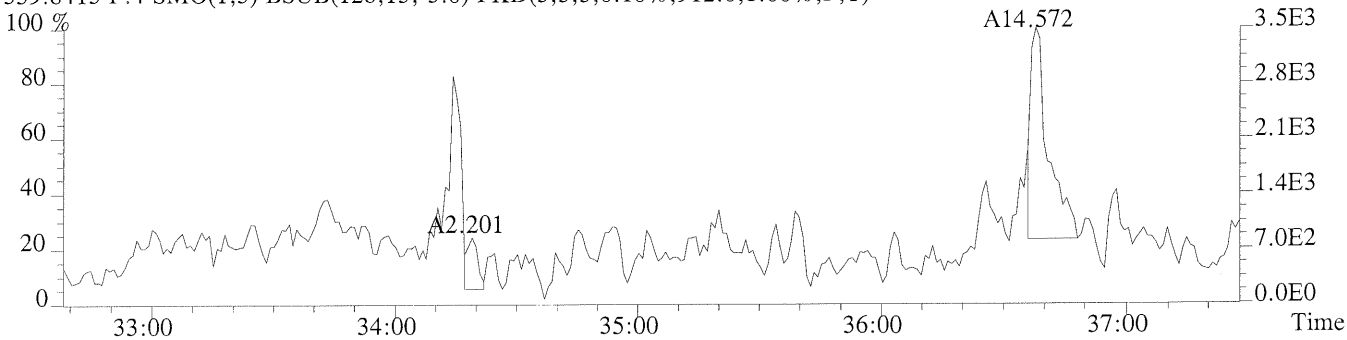


327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,792.0,1.00%,F,T)

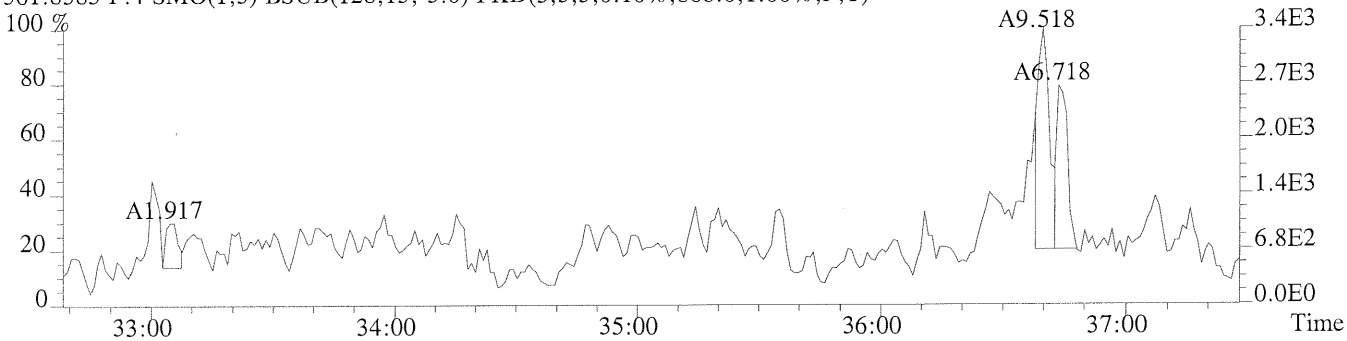


File:U142159 #1-309 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

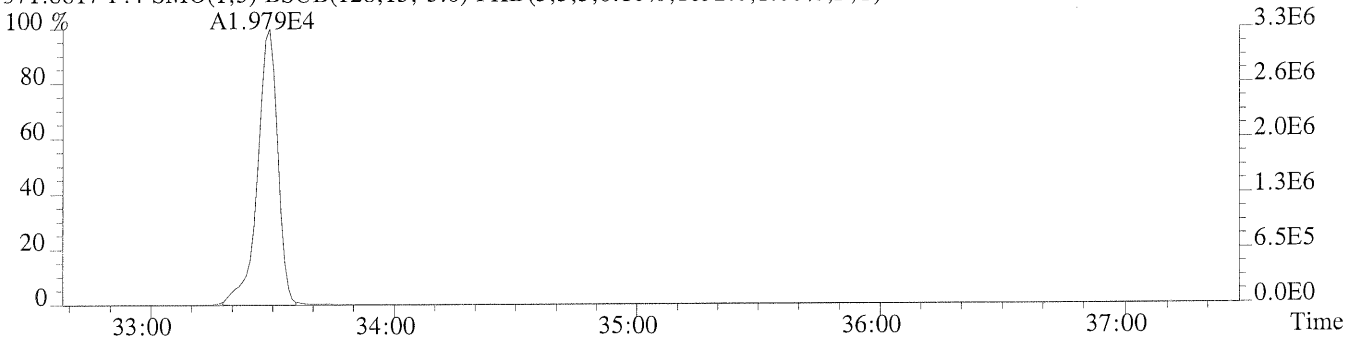
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



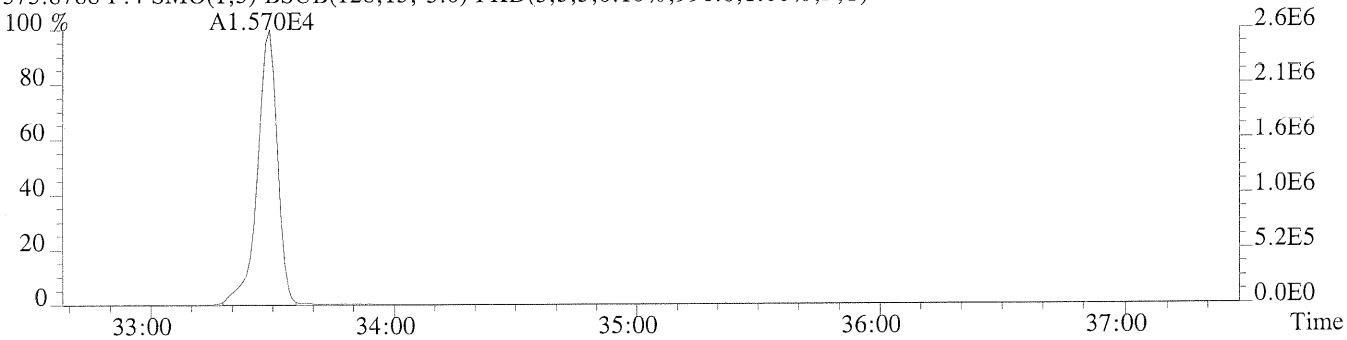
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



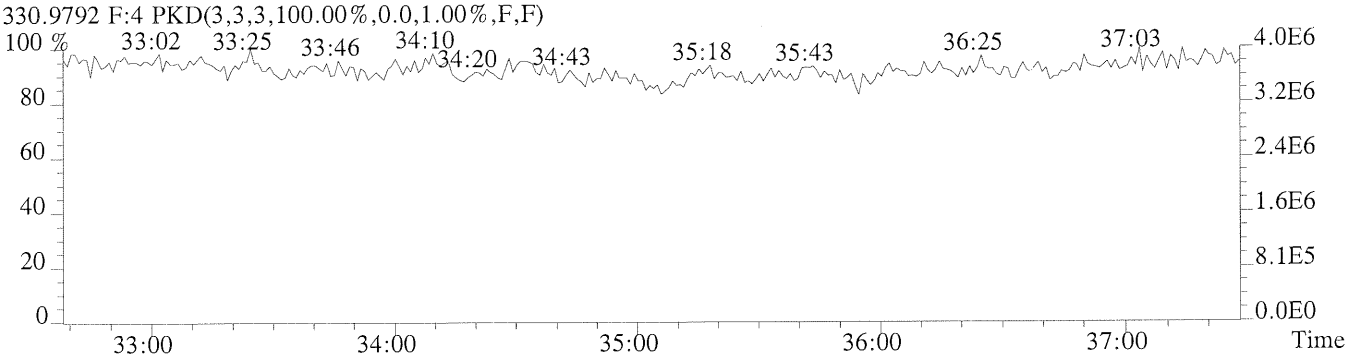
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1092.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)

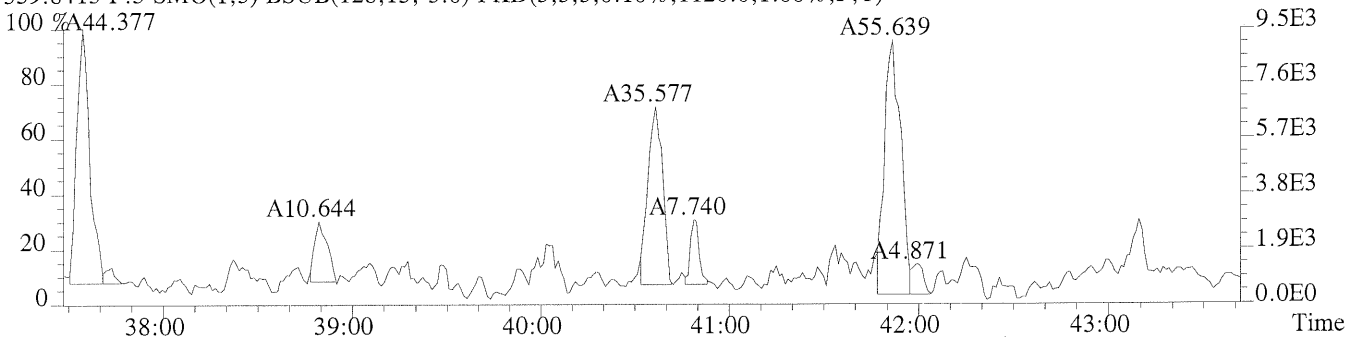


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

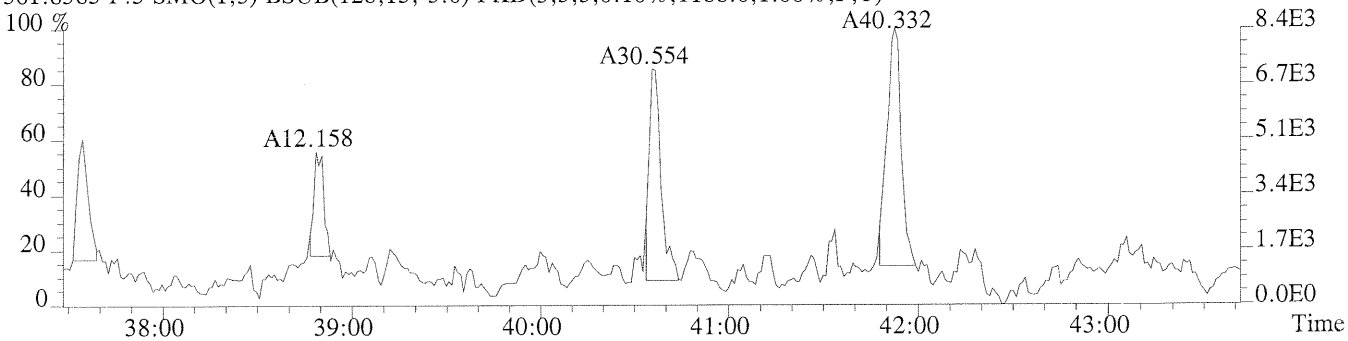


File:U142159 #1-398 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

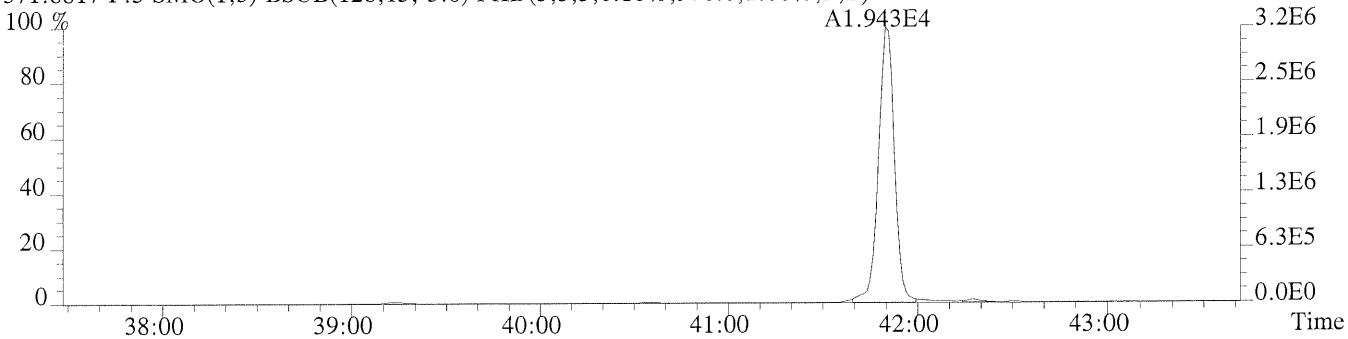
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1120.0,1.00%,F,T)



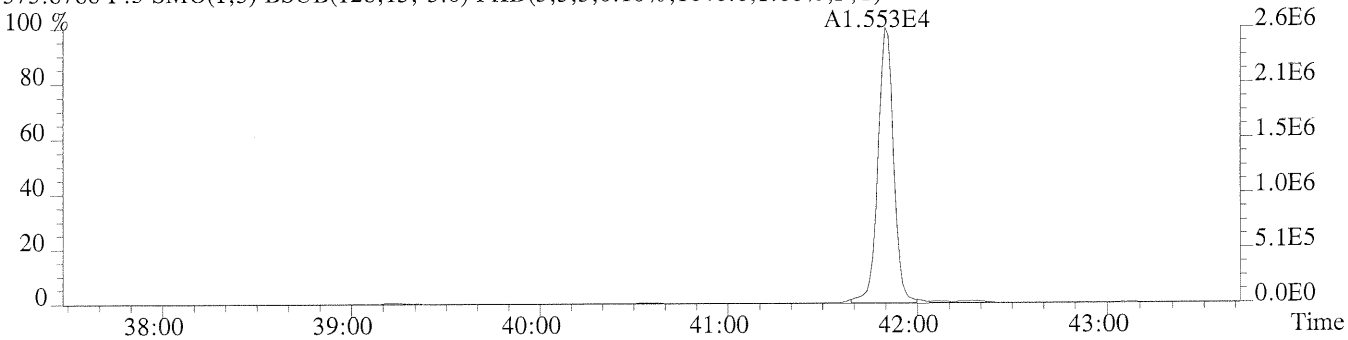
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1188.0,1.00%,F,T)



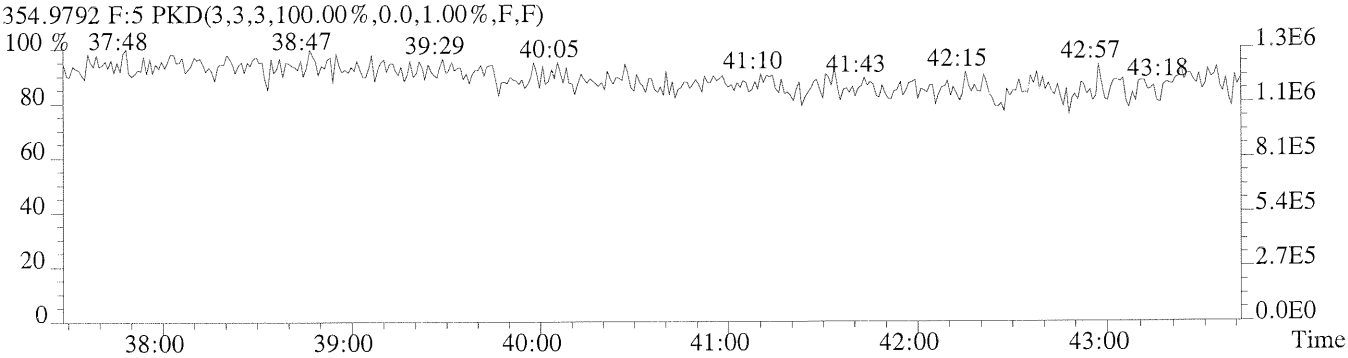
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)



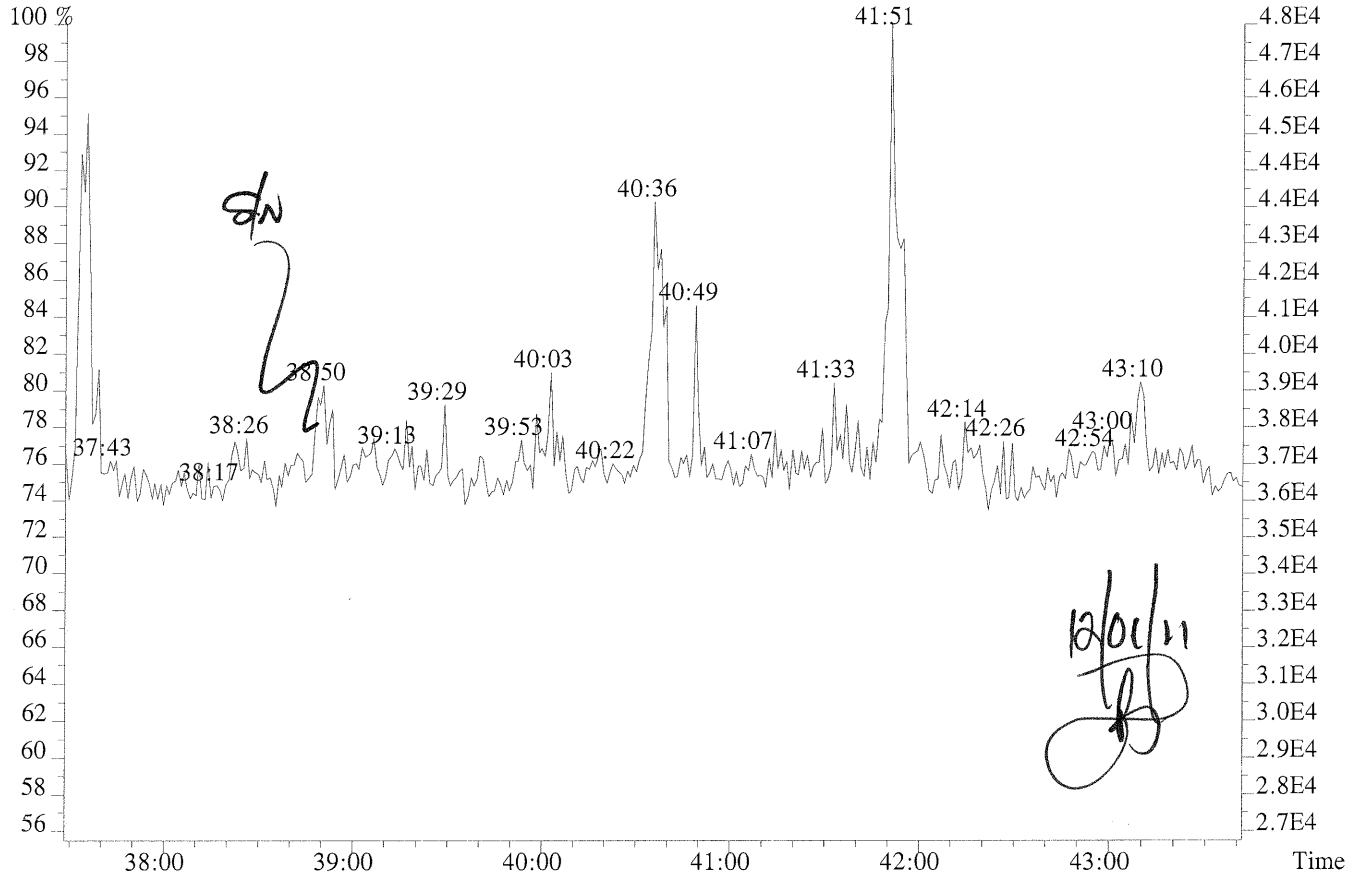
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142159 #1-398 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
359.8415 F:5



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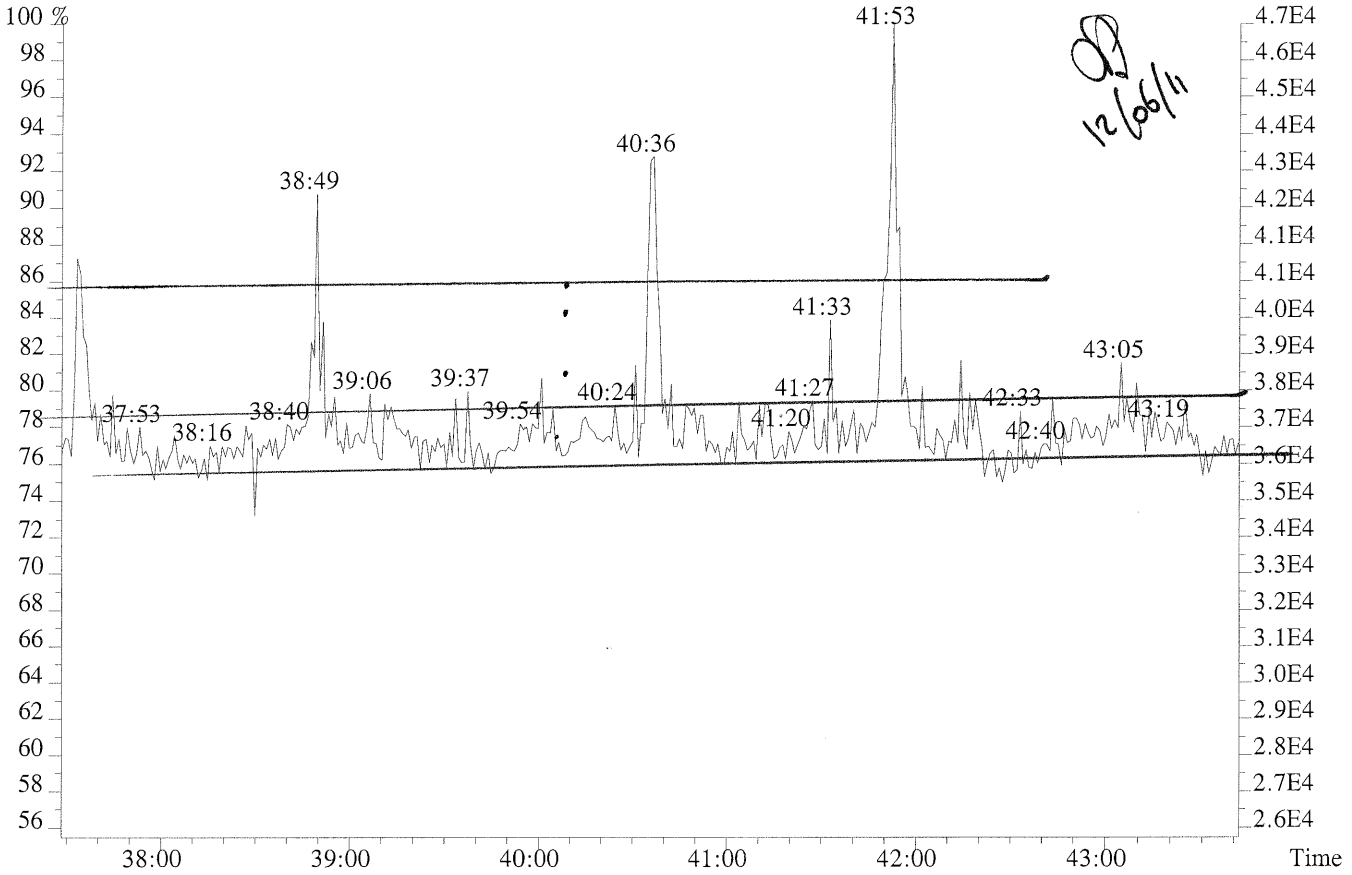
361.8385 F:5



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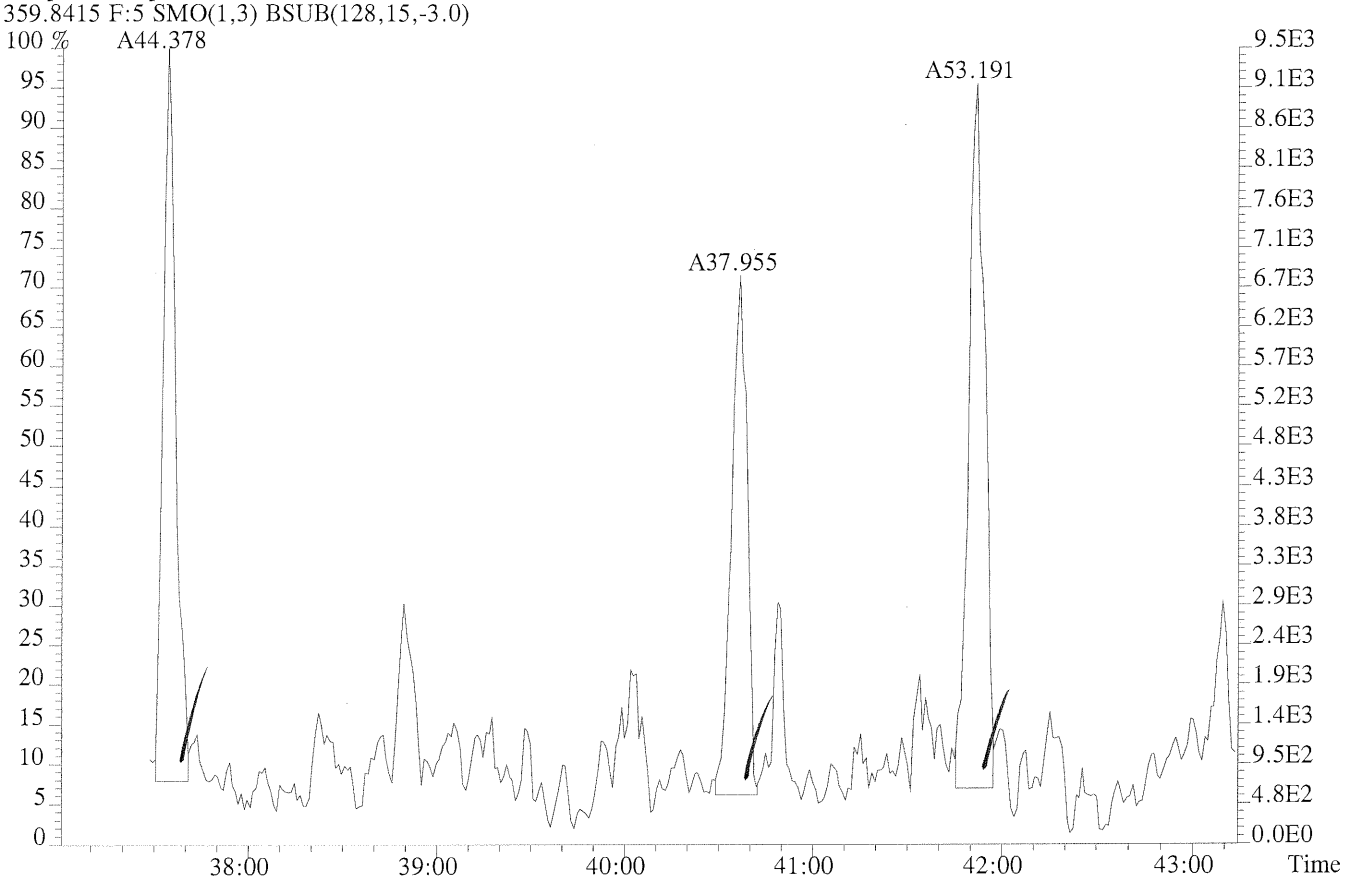
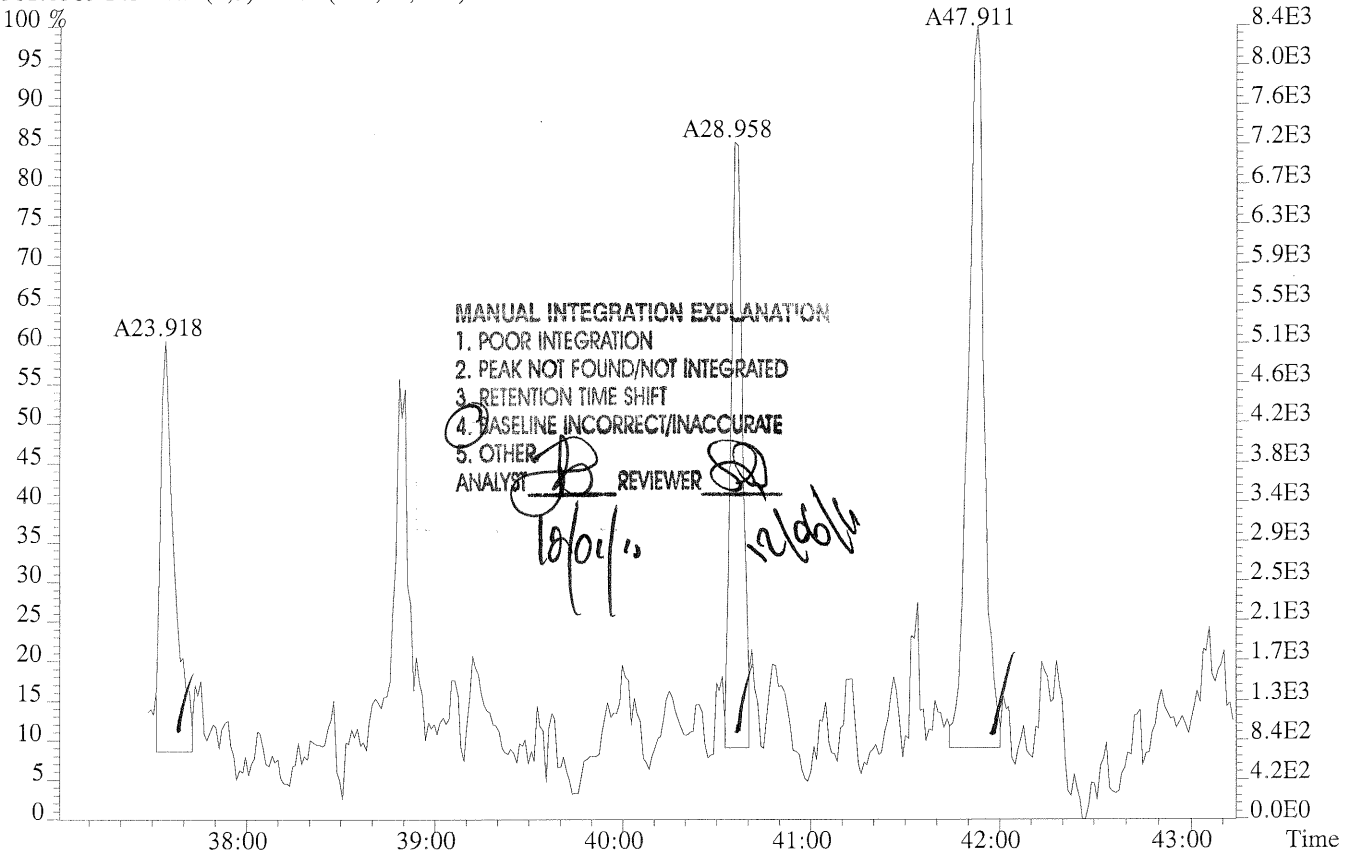
File:U142159 #1-398 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0)



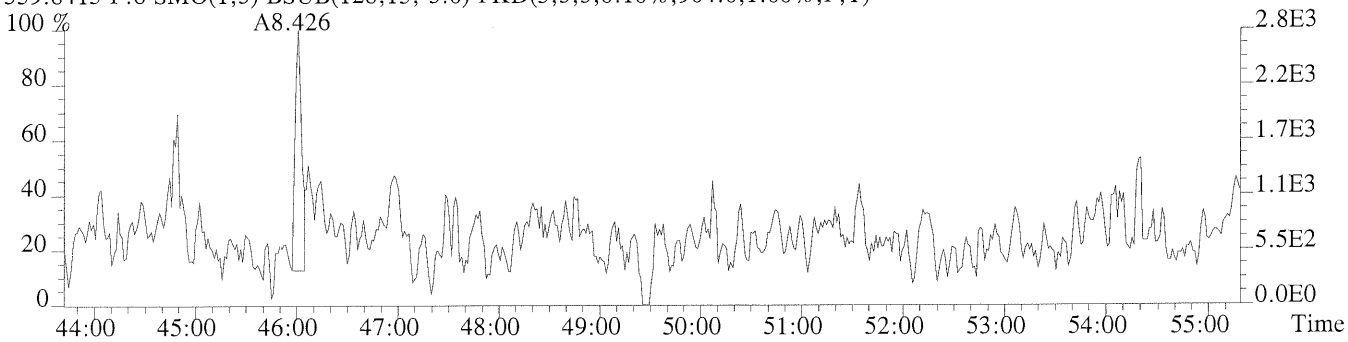
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0)



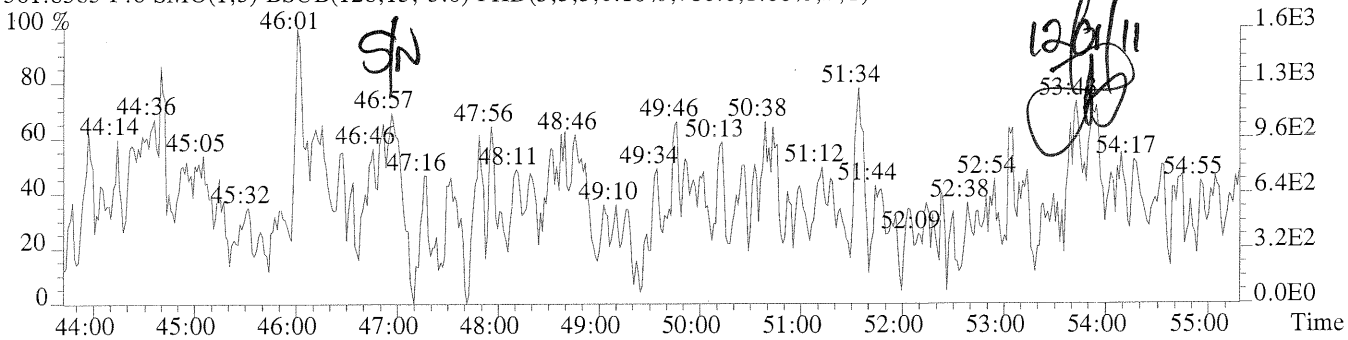
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ____ REVIEWER ____
10/01/15 12/10/15

File:U142159 #1-575 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

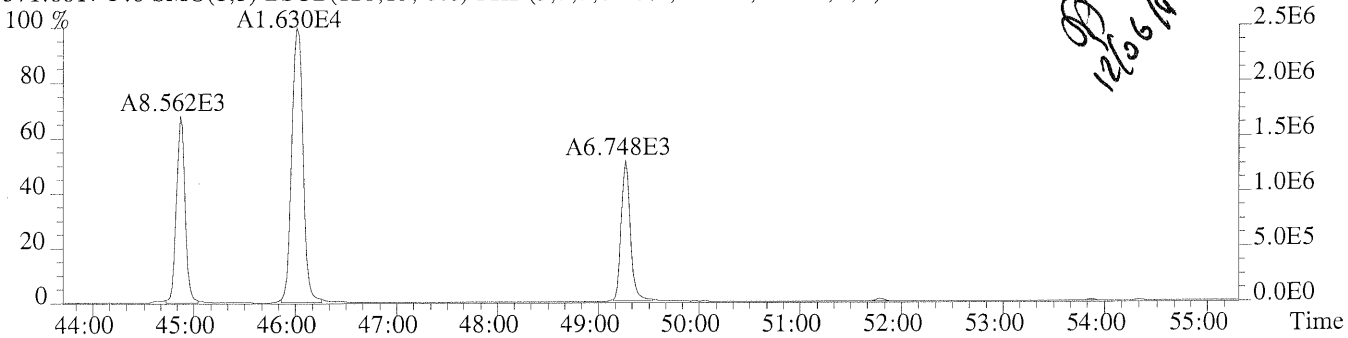
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)



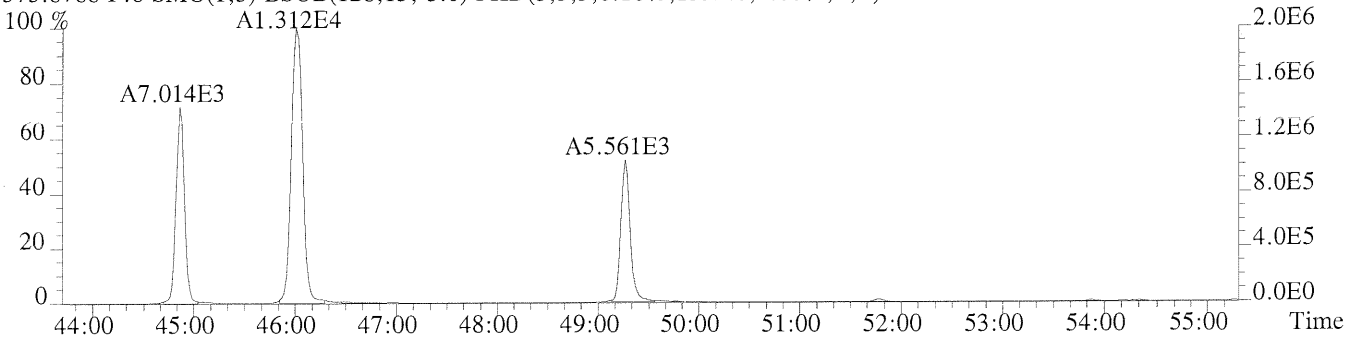
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



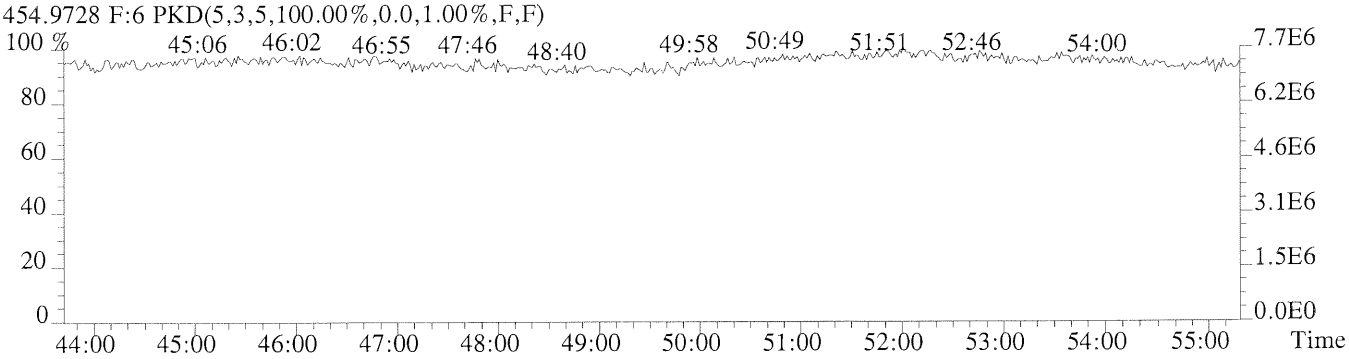
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6716.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1392.0,1.00%,F,T)

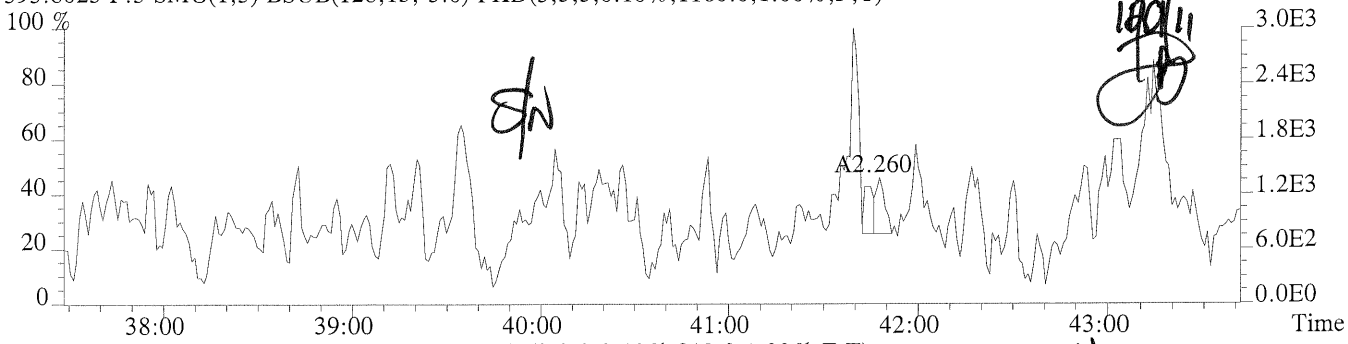


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

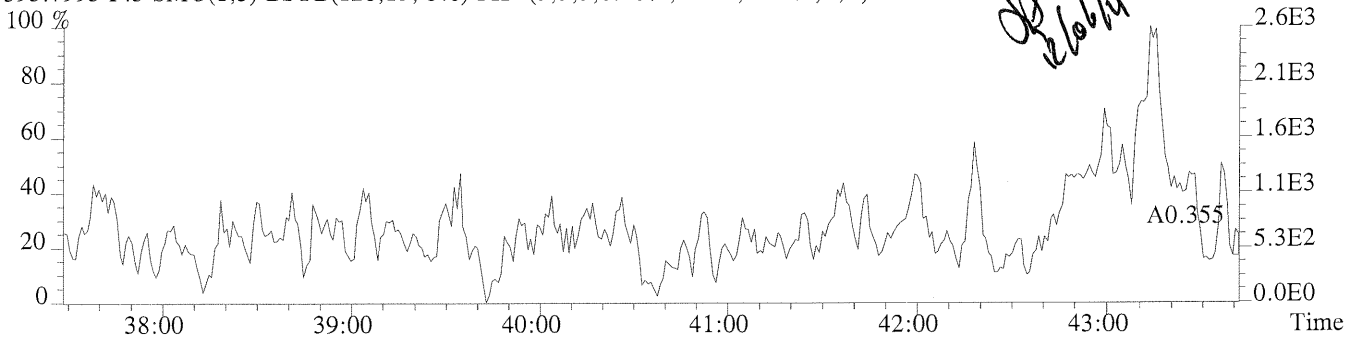


File:U142159 #1-398 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

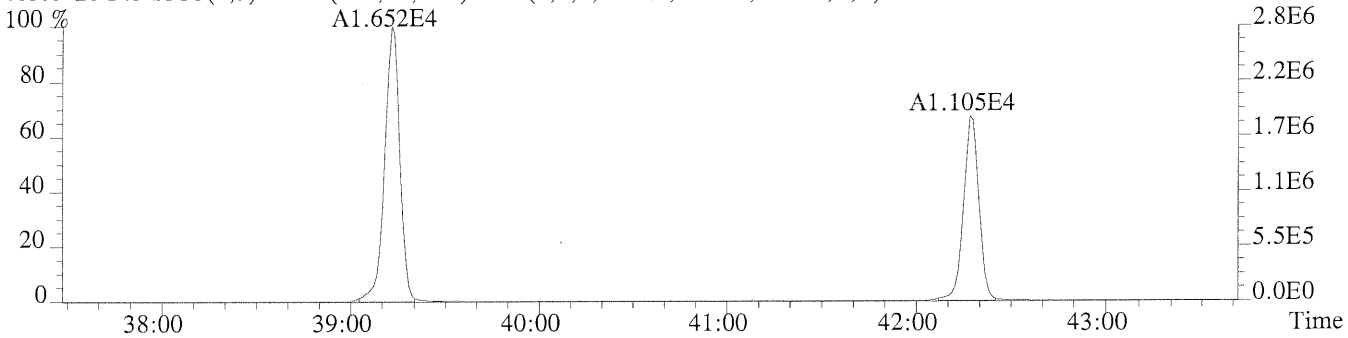
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1160.0,1.00%,F,T)



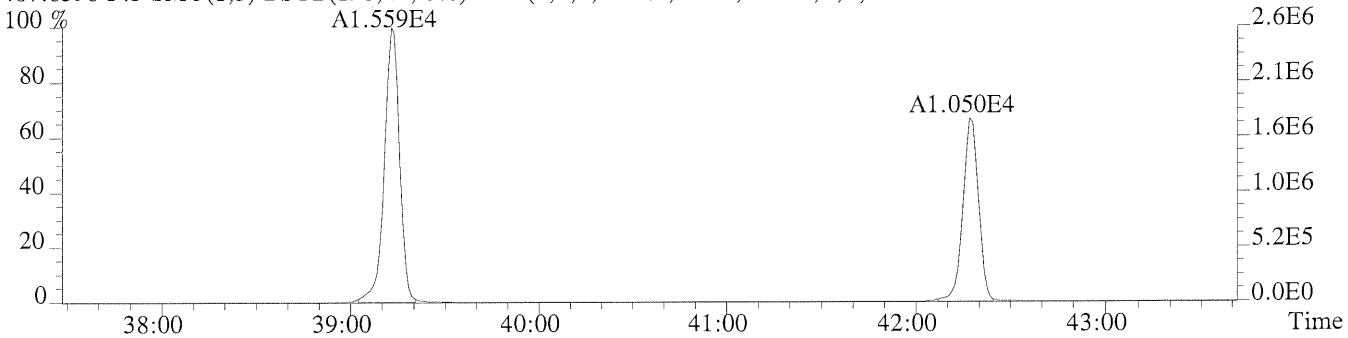
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)



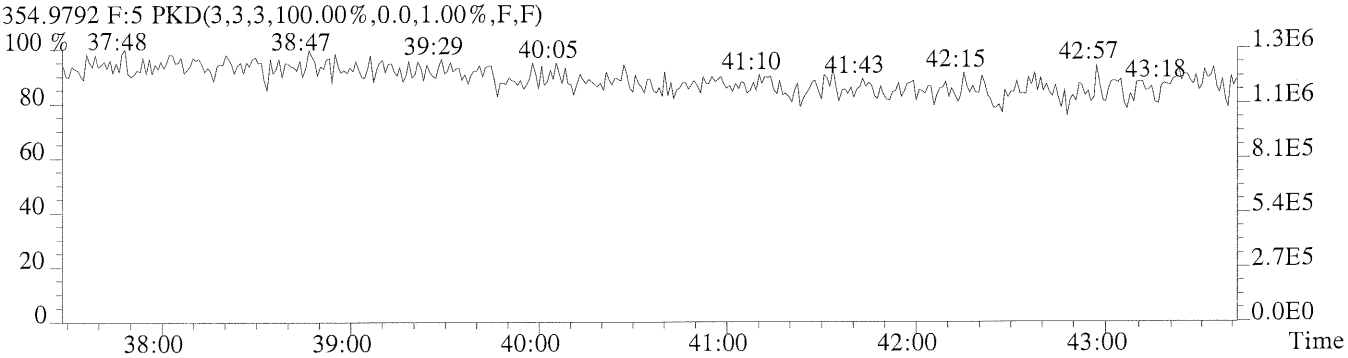
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1076.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,792.0,1.00%,F,T)

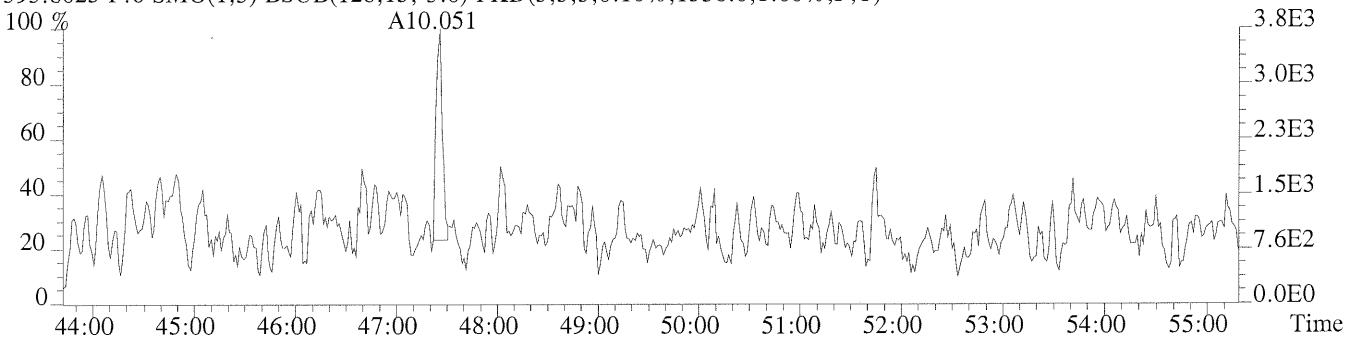


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

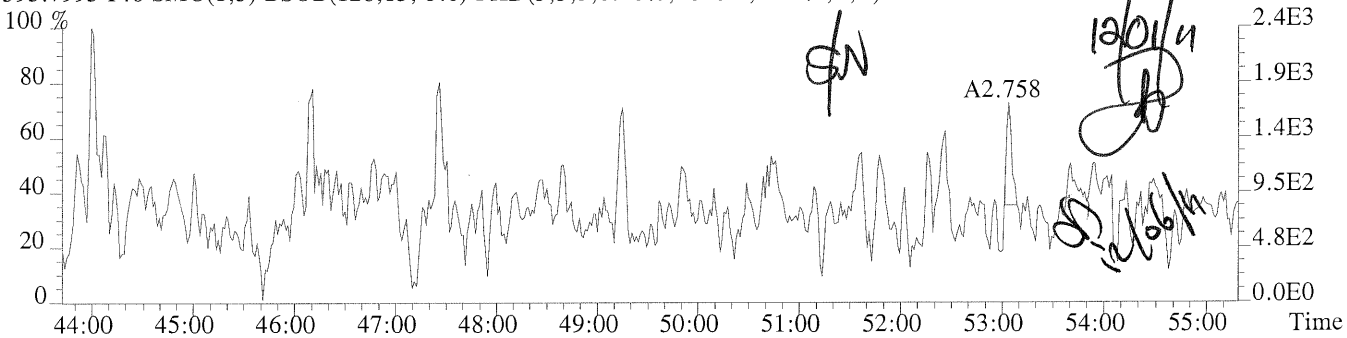


File:U142159 #1-575 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

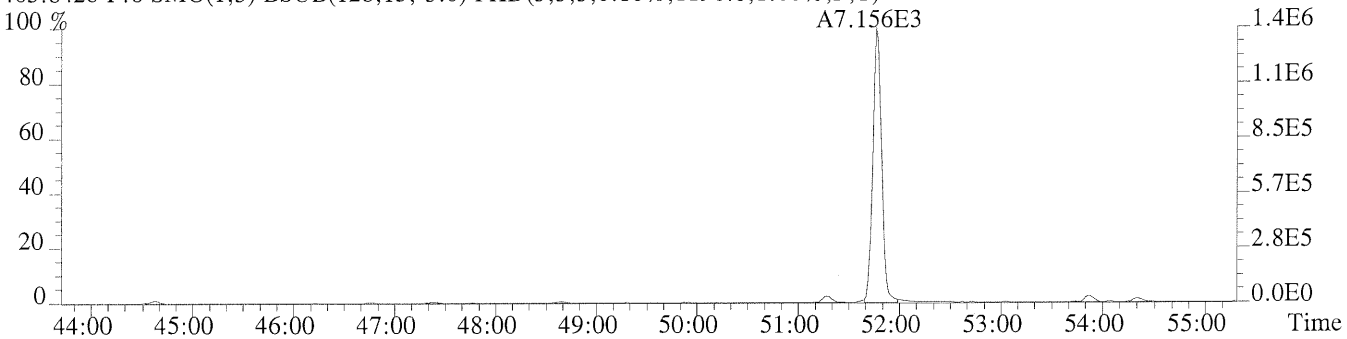
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1356.0,1.00%,F,T)



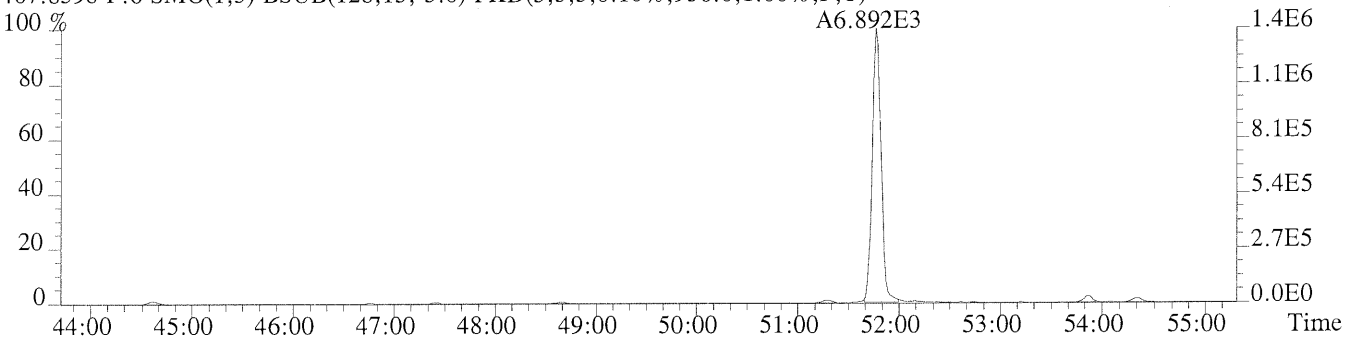
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1048.0,1.00%,F,T)



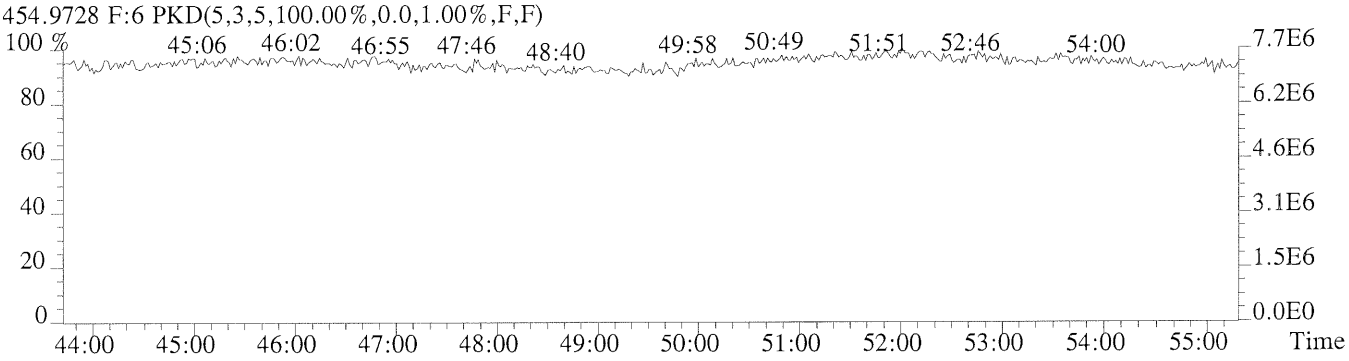
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)

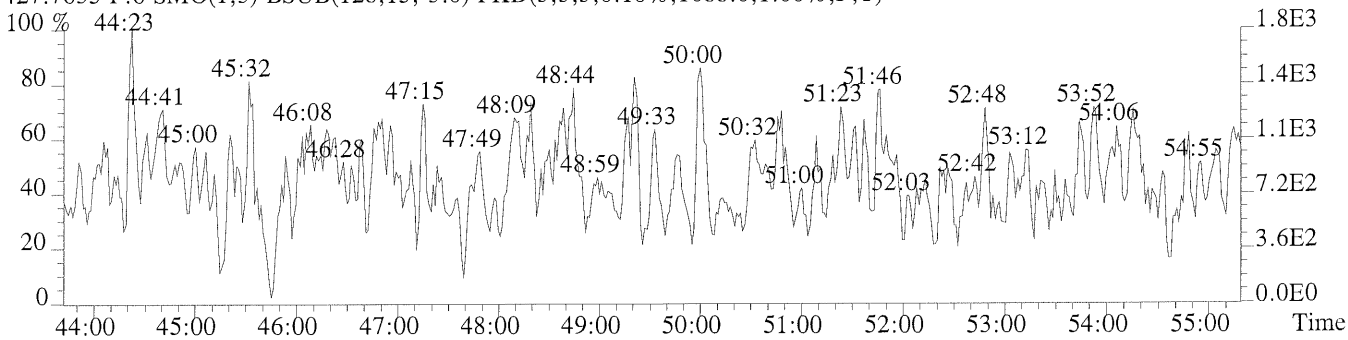


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

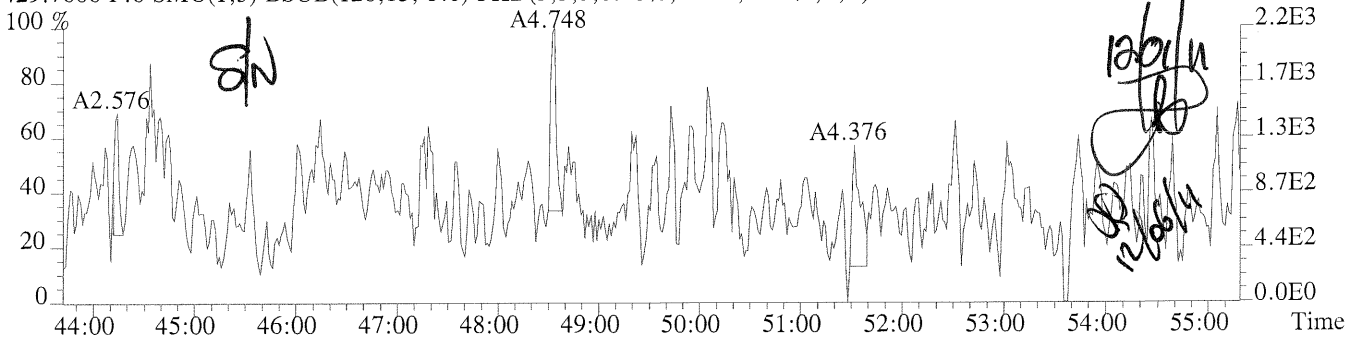


File:U142159 #1-575 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

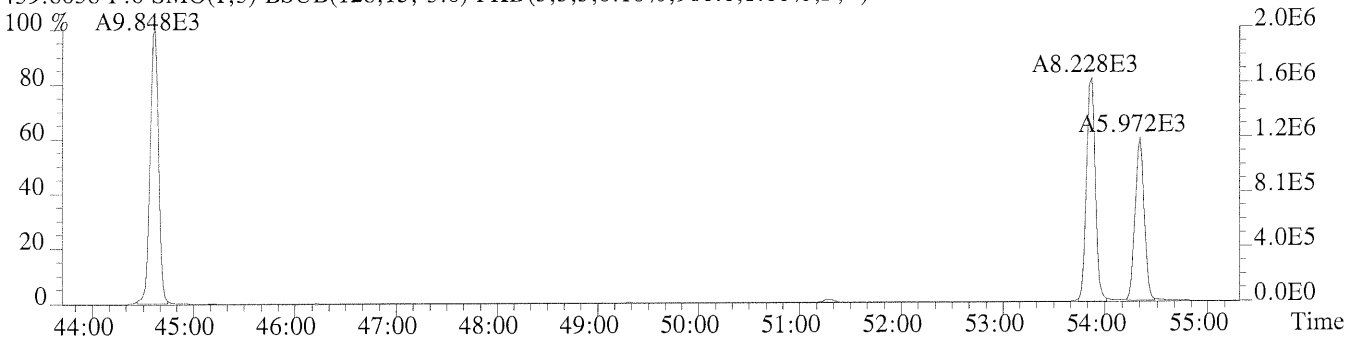
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)



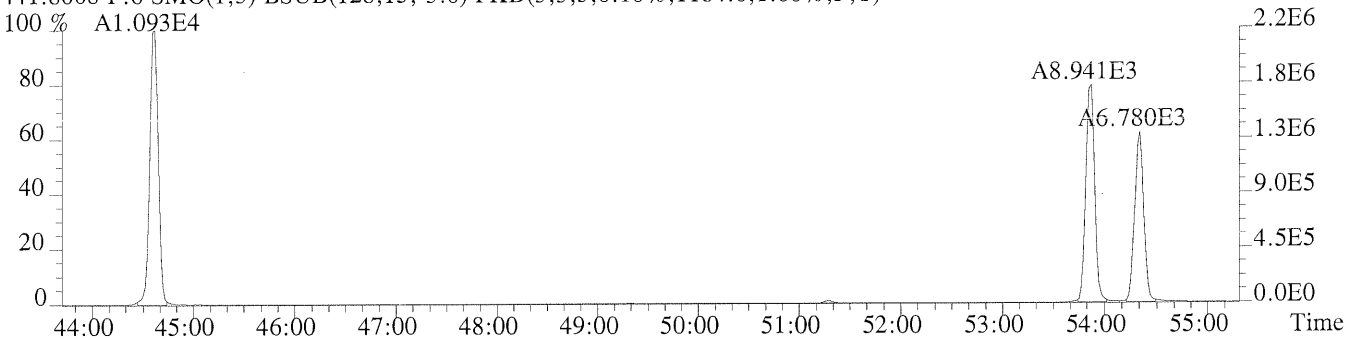
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



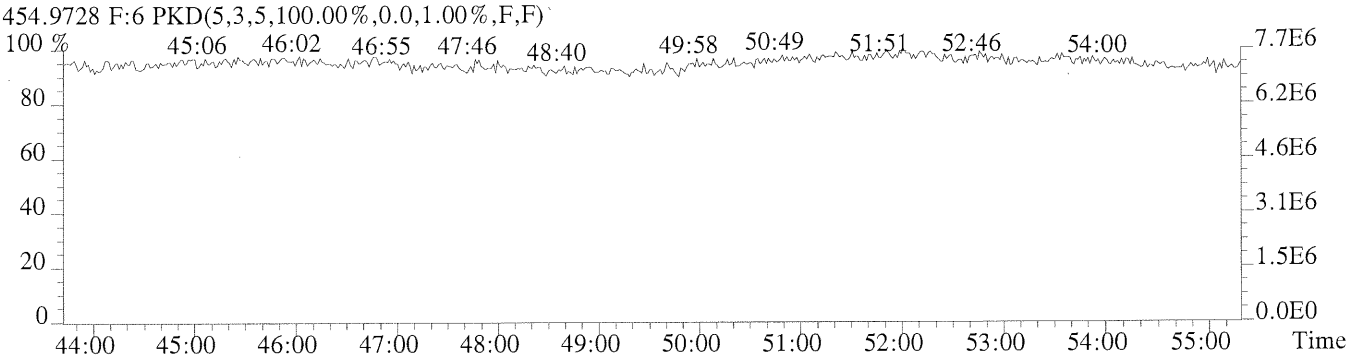
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,980.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1184.0,1.00%,F,T)

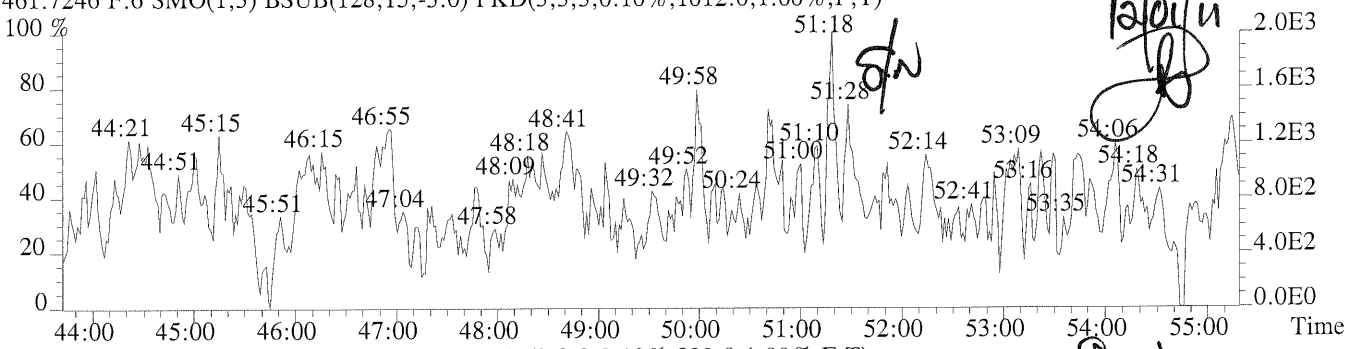


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

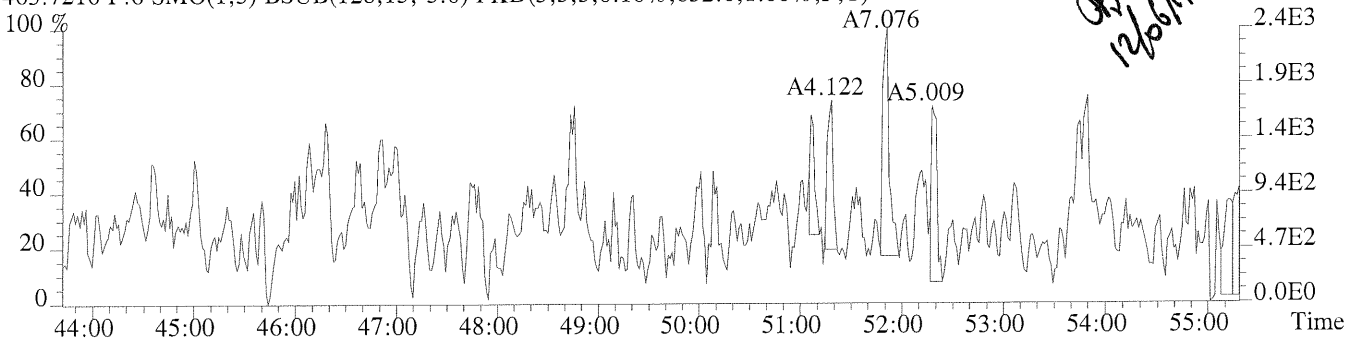


File:U142159 #1-575 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

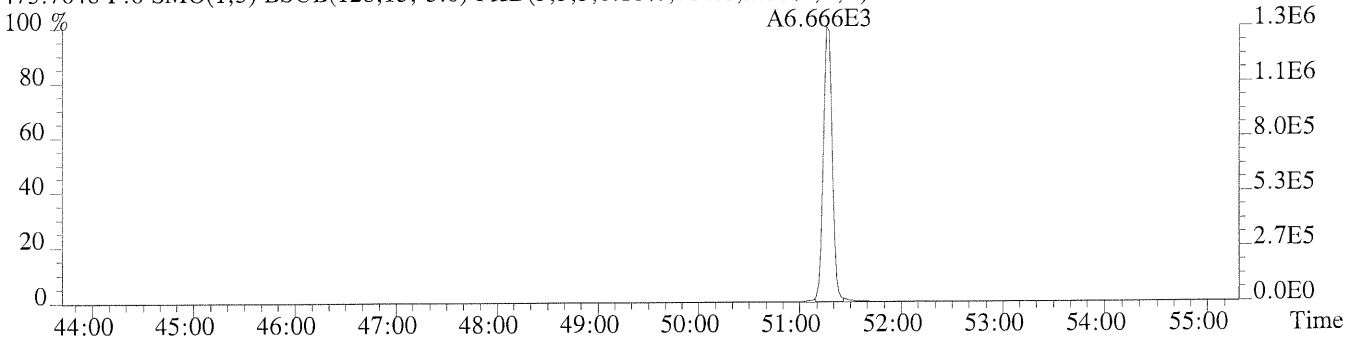
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1012.0,1.00%,F,T)



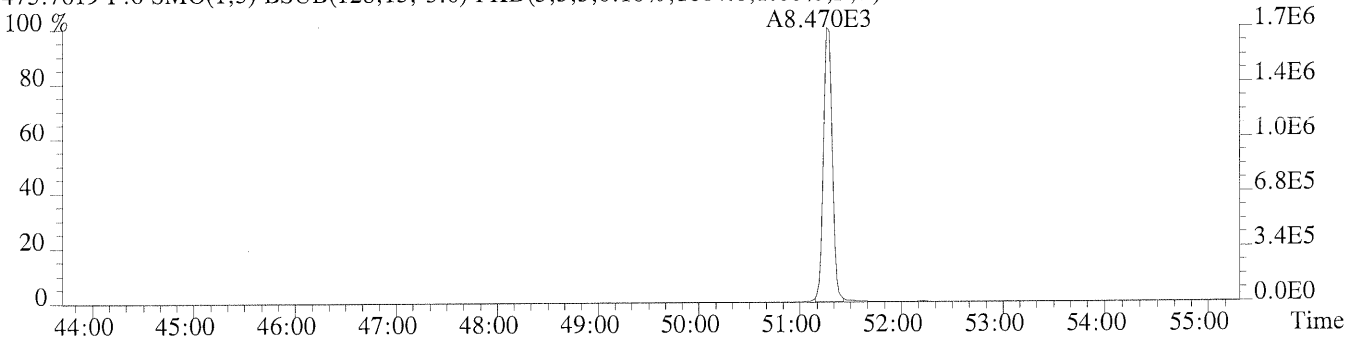
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,832.0,1.00%,F,T)



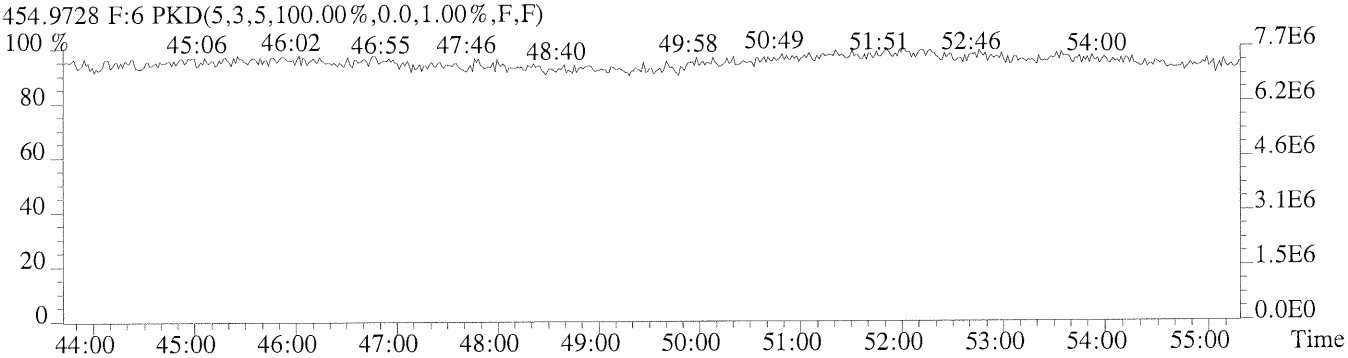
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,784.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1064.0,1.00%,F,T)

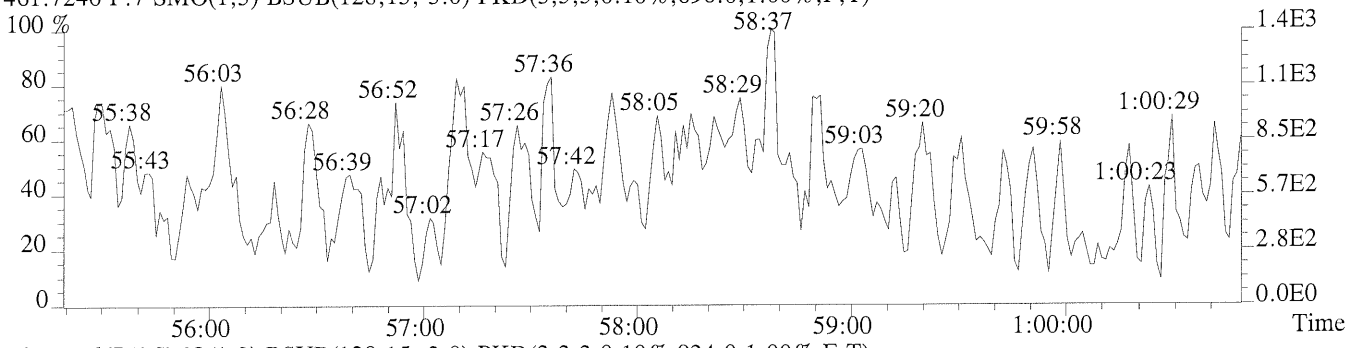


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

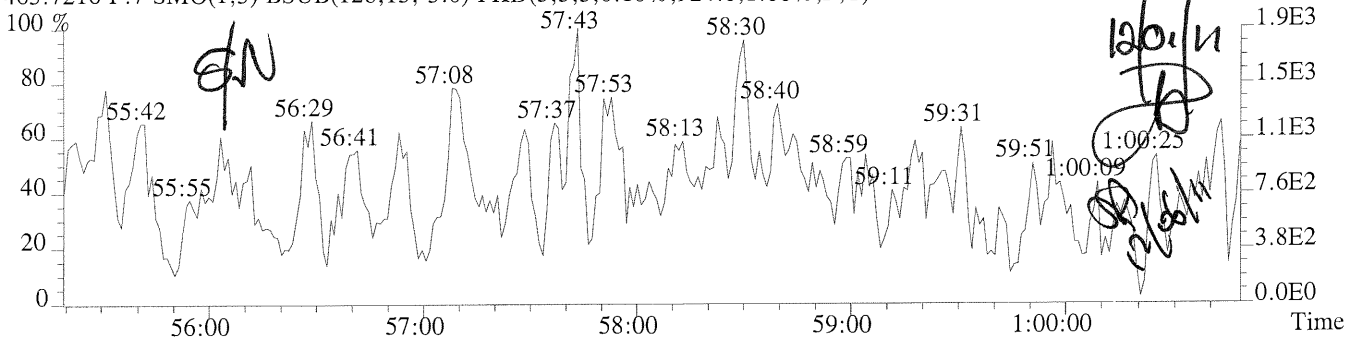


File:U142159 #1-310 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

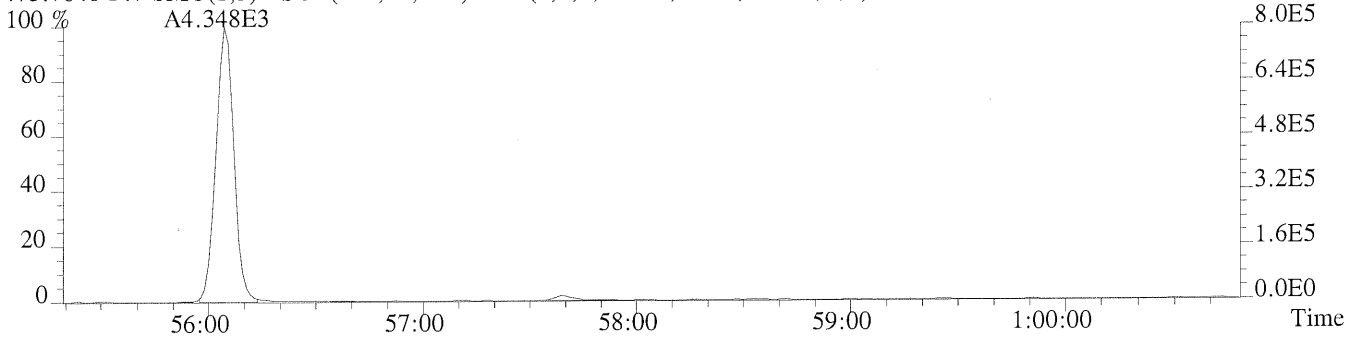
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,696.0,1.00%,F,T)



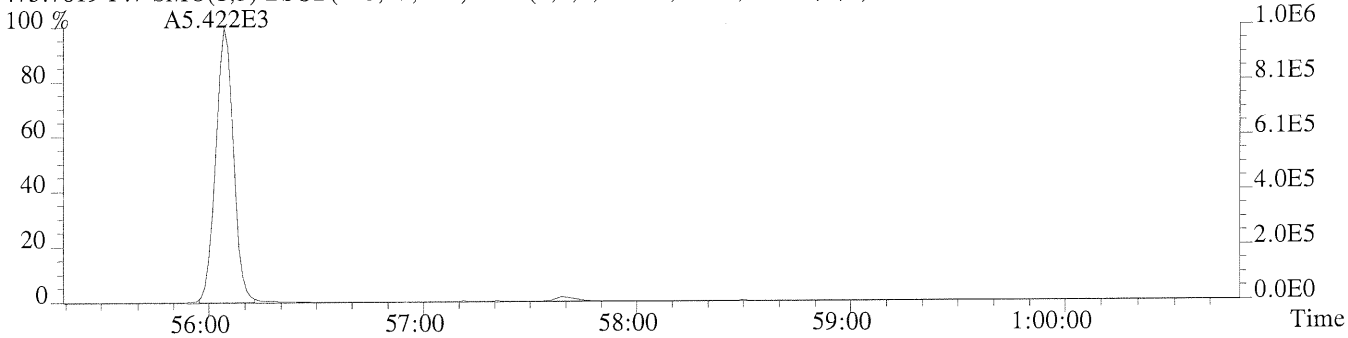
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



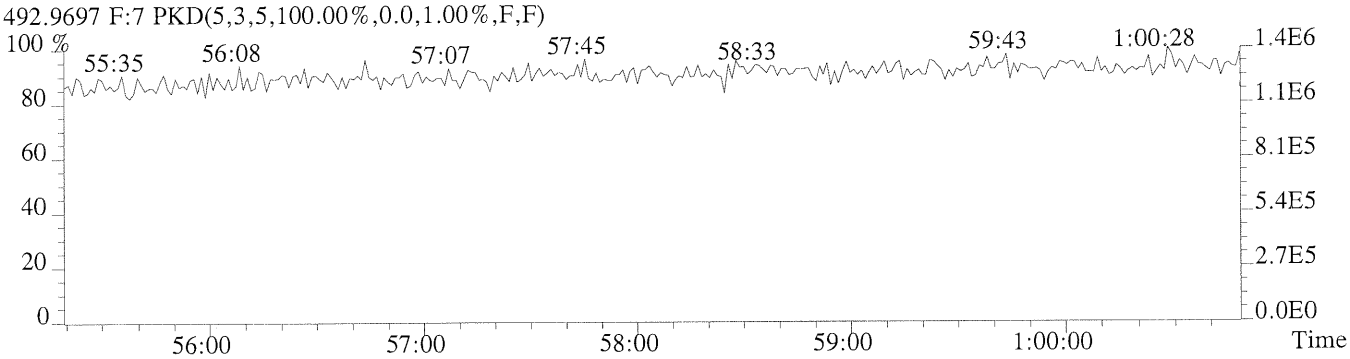
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,932.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,808.0,1.00%,F,T)

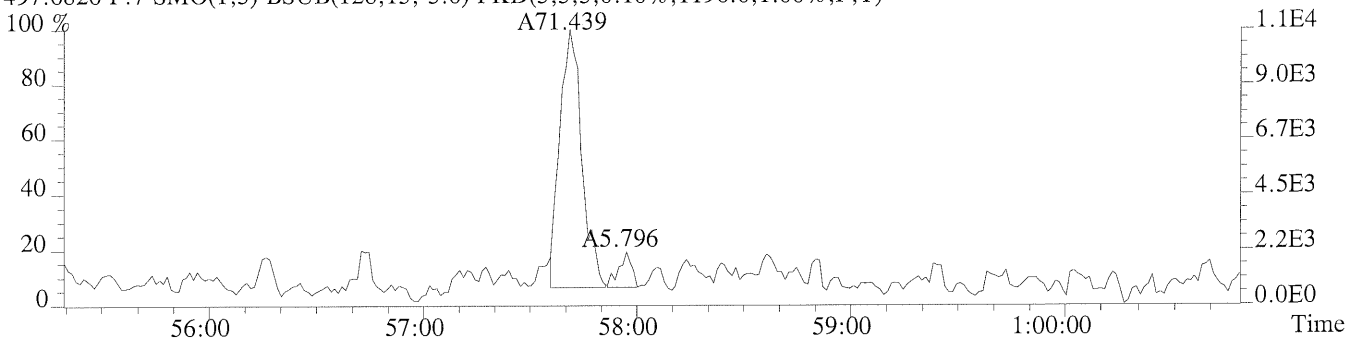


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

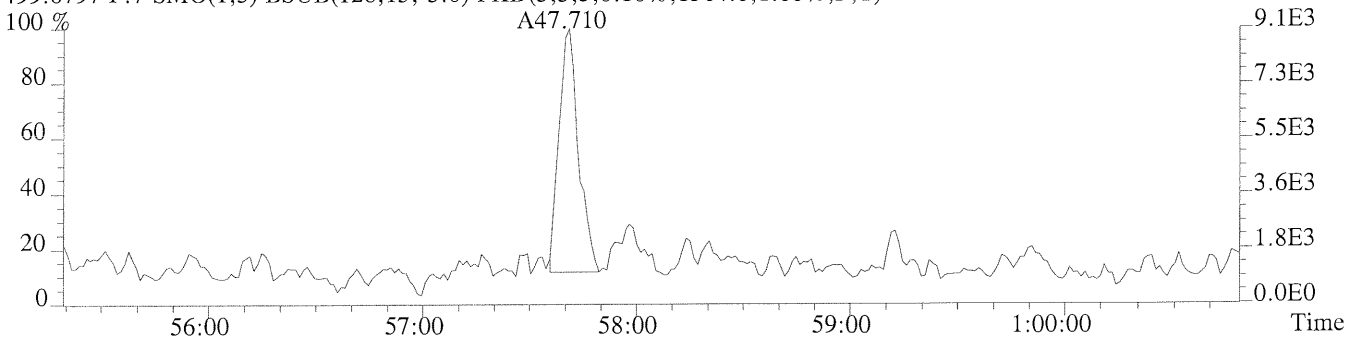


File:U142159 #1-310 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U

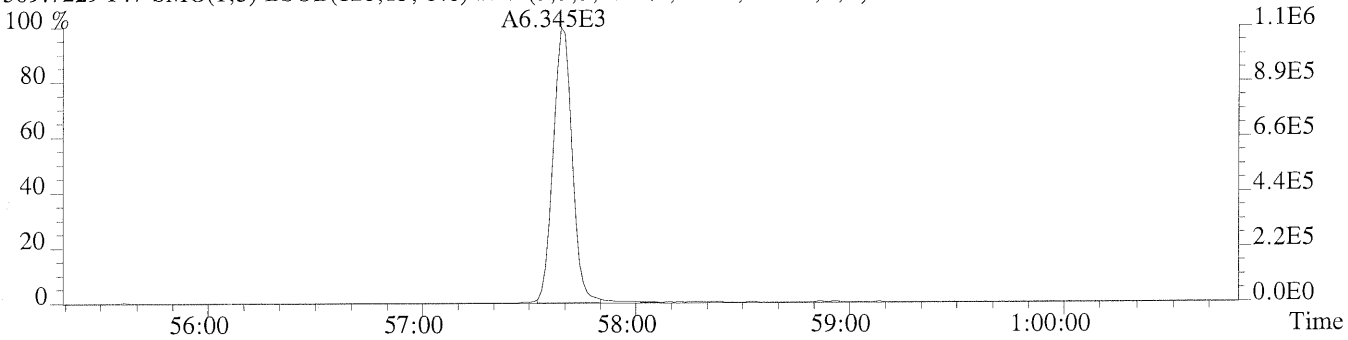
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



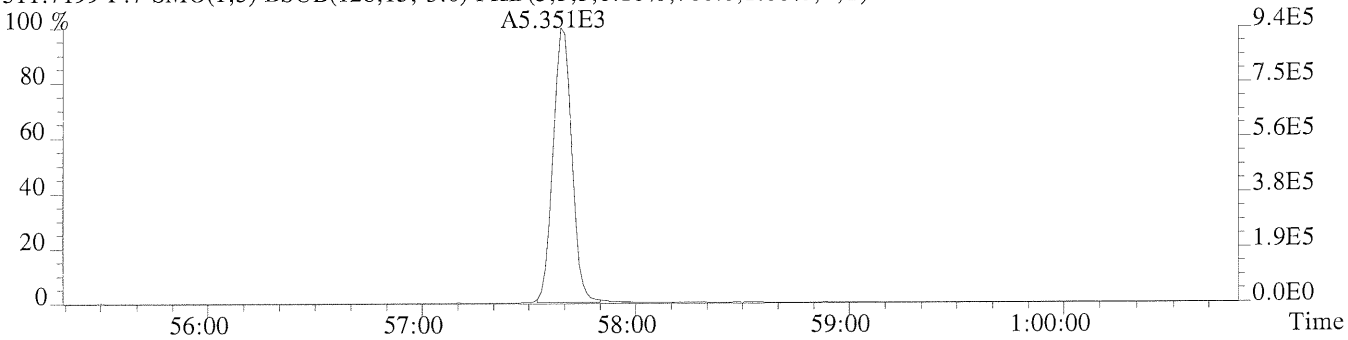
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1564.0,1.00%,F,T)



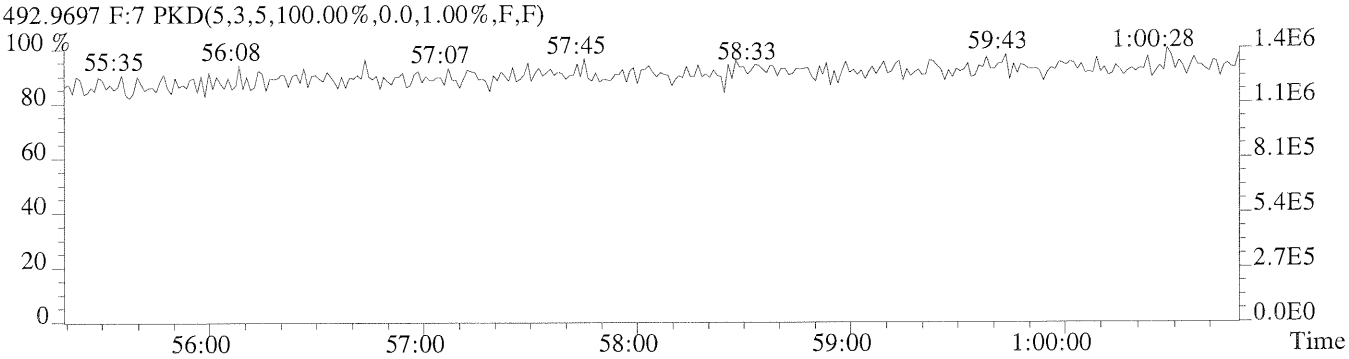
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,756.0,1.00%,F,T)



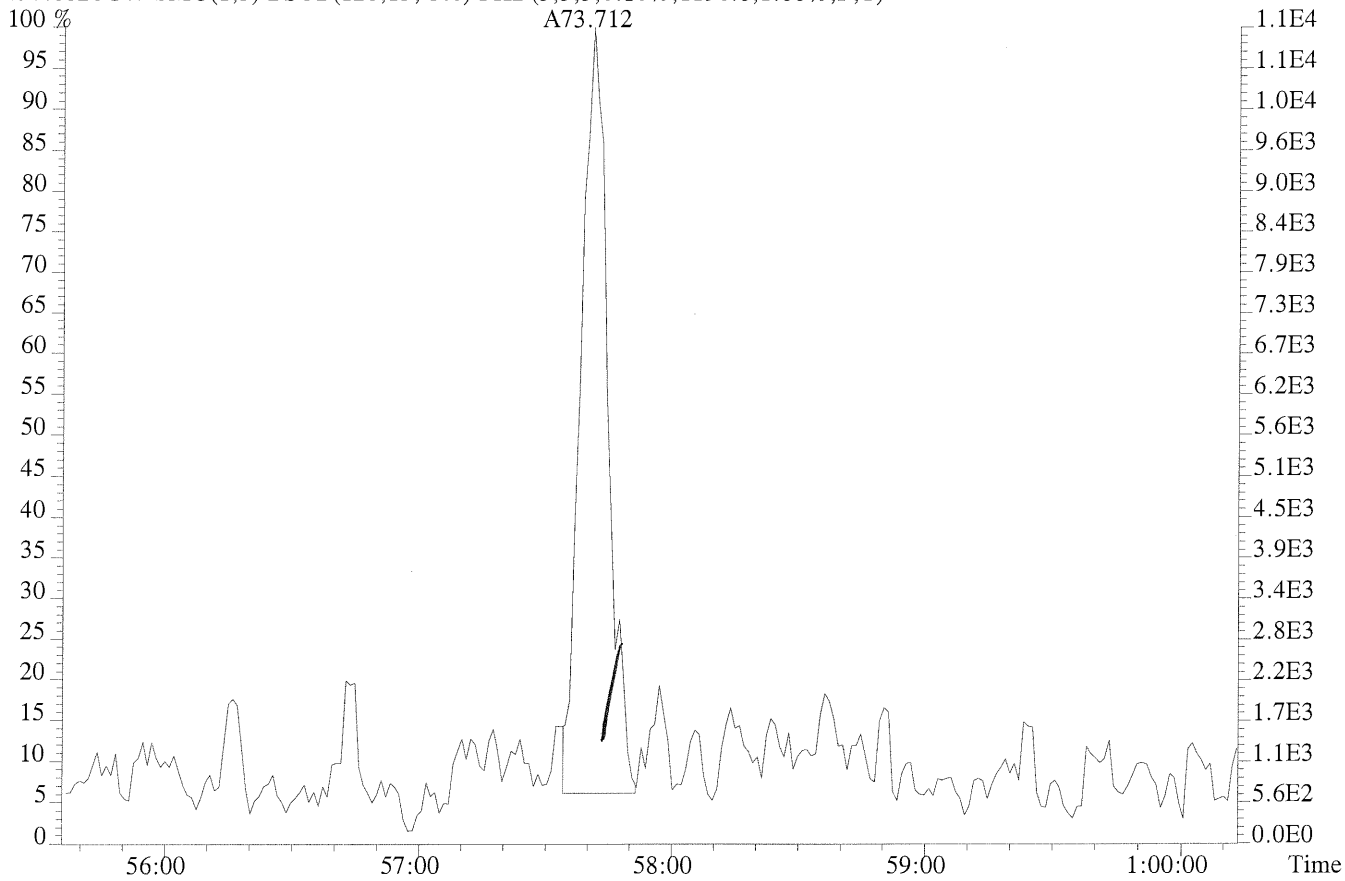
511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



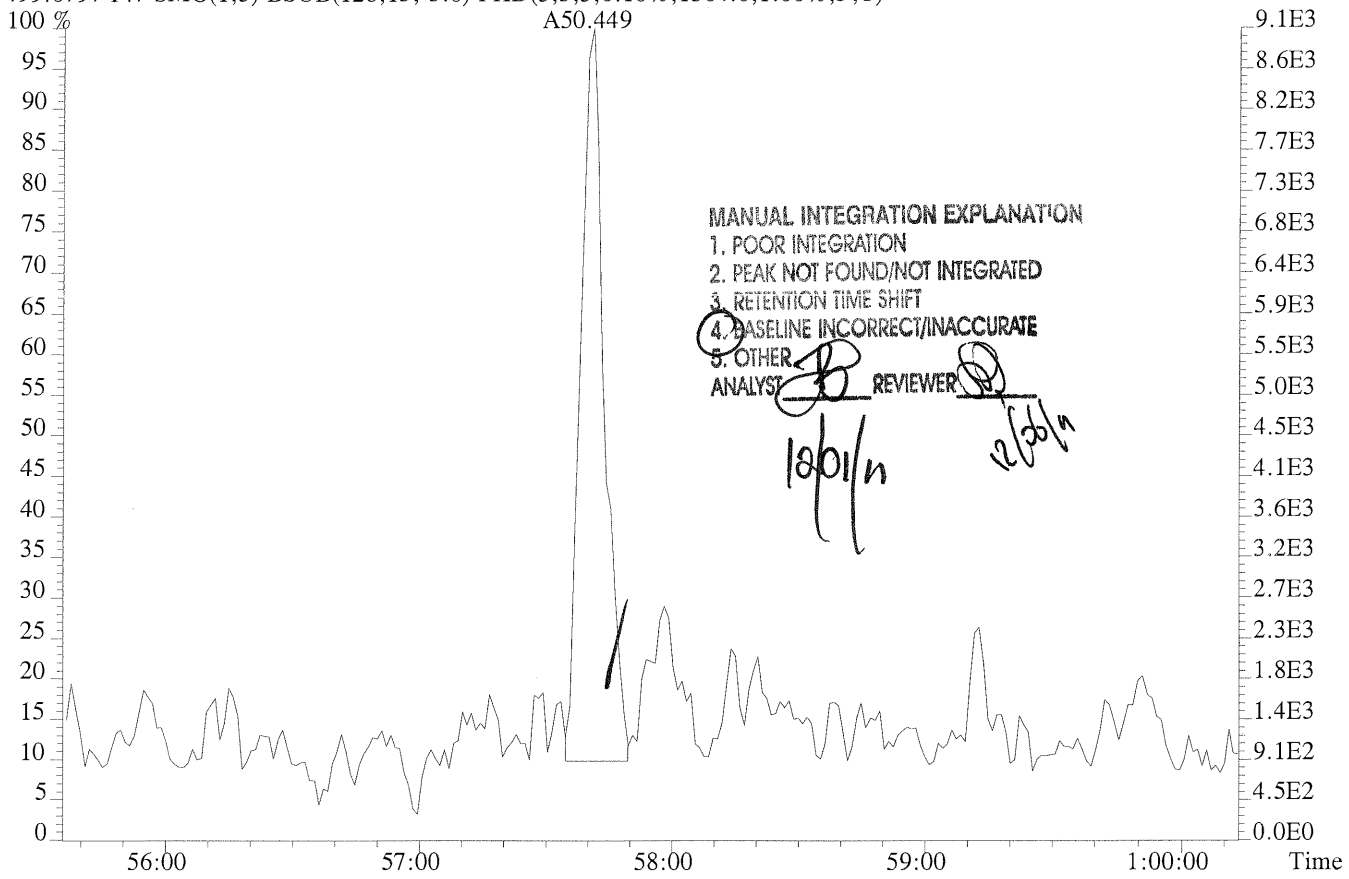
492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



File:U142159 #1-310 Acq:22-NOV-2011 13:06:23 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-002 KC91-157U
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1564.0,1.00%,F,T)



MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
12/01/11 12/06/11

Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
KC91-156U

Run #11 Filename U142167 Samp: 1 Inj: 1 Acquired: 23-NOV-11 10:04:20
Processed: 6-DEC-11 15:56:20 Sample ID: E1101076-003

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.071
2	1	PCB-2	15:23	4.428e+01	1.938e+01	2.28	n	n	1.009
3	1	PCB-3	15:34	5.377e+01	2.642e+01	2.04	n	n	1.036
4	1	PCB-4	NotFnd	*	*	*	n	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	2.038
6	2	PCB-9	NotFnd	*	*	*	n	n	1.116
7	2	PCB-7	NotFnd	*	*	*	n	n	1.185
8	2	PCB-6	NotFnd	*	*	*	n	n	1.238
9	2	PCB-5	NotFnd	*	*	*	n	n	1.021
10	2	PCB-8	NotFnd	*	*	*	n	n	1.276
11	2	PCB-14	NotFnd	*	*	*	n	n	1.218
12	2	PCB-11	21:16	8.243e+02	5.986e+02	1.38	y	n	1.038
13	2	PCB-12/13	NotFnd	*	*	*	n	n	0.991
14	2	PCB-15	NotFnd	*	*	*	n	n	0.977
15	2	PCB-19	NotFnd	*	*	*	n	n	1.001
16	2	PCB-18/30	20:57	9.103e+01	9.662e+01	0.94	y	n	1.454
17	2	PCB-17	NotFnd	*	*	*	n	y	1.212
18	2	PCB-27	NotFnd	*	*	*	n	n	1.754
19	2	PCB-24	NotFnd	*	*	*	n	n	1.574
20	2	PCB-16	21:49	3.890e+01	4.111e+01	0.95	y	y	0.981
21	2	PCB-32	NotFnd	*	*	*	n	y	1.838
22	3	PCB-34	NotFnd	*	*	*	n	n	1.392
23	3	PCB-23	NotFnd	*	*	*	n	n	1.415
24	3	PCB-26/29	NotFnd	*	*	*	n	n	1.505
25	3	PCB-25	NotFnd	*	*	*	n	n	1.525
26	3	PCB-31	24:40	6.390e+01	6.560e+01	0.97	y	n	1.450
27	3	PCB-20/28	24:58	5.934e+01	8.889e+01	0.67	n	n	1.366
28	3	PCB-21/33	25:12	3.486e+01	4.747e+01	0.73	n	n	1.498
29	3	PCB-22	NotFnd	*	*	*	n	n	1.219
30	3	PCB-36	NotFnd	*	*	*	n	n	1.245
31	3	PCB-39	NotFnd	*	*	*	n	n	1.234
32	3	PCB-38	NotFnd	*	*	*	n	n	1.215
33	3	PCB-35	NotFnd	*	*	*	n	n	1.040
34	3	PCB-37	NotFnd	*	*	*	n	n	1.089
35	2	PCB-54	NotFnd	*	*	*	n	n	1.002
36	3	PCB-50/53	24:22	1.636e+01	2.477e+01	0.66	y	y	1.314
37	3	PCB-45/51	NotFnd	*	*	*	n	y	1.267
38	3	PCB-46	NotFnd	*	*	*	n	n	1.083
39	3	PCB-52	26:48	9.554e+01	1.090e+02	0.88	y	y	1.381
40	3	PCB-43/73	NotFnd	*	*	*	n	y	1.441
41	3	PCB-49/69	27:17	2.304e+01	5.240e+01	0.44	n	y	1.509
42	3	PCB-48	NotFnd	*	*	*	n	n	1.315
43	3	PCB-44/47/65	27:48	8.770e+01	1.512e+02	0.58	n	n	1.363
44	3	PCB-59/62/75	NotFnd	*	*	*	n	n	1.663
45	3	PCB-42	NotFnd	*	*	*	n	n	1.217
46	3	PCB-40/41/71	NotFnd	*	*	*	n	n	1.254
47	3	PCB-64	NotFnd	*	*	*	n	y	1.718
48	3	PCB-72	NotFnd	*	*	*	n	n	1.689
49	3	PCB-68	NotFnd	*	*	*	n	n	1.580
50	3	PCB-57	NotFnd	*	*	*	n	n	1.536

51	3	PCB-58	NotFnd	*	*	*	n	n	1.441
52	3	PCB-67	NotFnd	*	*	*	n	n	1.498
53	3	PCB-63	NotFnd	*	*	*	n	n	1.500
54	3	PCB-61/70/74/76	31:37	8.207e+01	9.192e+01	0.89	n	y	1.467
55	3	PCB-66	31:57	3.309e+01	4.126e+01	0.80	y	y	1.484
56	3	PCB-55	NotFnd	*	*	*	n	n	1.386
57	4	PCB-56	NotFnd	*	*	*	n	n	1.110
58	4	PCB-60	NotFnd	*	*	*	n	y	1.161
59	4	PCB-80	NotFnd	*	*	*	n	n	1.248
60	4	PCB-79	NotFnd	*	*	*	n	n	1.221
61	4	PCB-78	NotFnd	*	*	*	n	n	1.058
62	4	PCB-81	NotFnd	*	*	*	n	n	1.034
63	4	PCB-77	NotFnd	*	*	*	n	n	0.995
64	3	PCB-104	NotFnd	*	*	*	n	n	1.030
65	3	PCB-96	NotFnd	*	*	*	n	n	1.648
66	3	PCB-103	NotFnd	*	*	*	n	n	1.361
67	3	PCB-94	NotFnd	*	*	*	n	n	1.095
68	3	PCB-95	30:44	5.837e+01	3.610e+01	1.62	y	y	1.251
69	3	PCB-93/100	NotFnd	*	*	*	n	n	1.157
70	3	PCB-98/102	NotFnd	*	*	*	n	n	1.177
71	3	PCB-88/91	NotFnd	*	*	*	n	n	1.172
72	3	PCB-84	NotFnd	*	*	*	n	y	1.010
73	3	PCB-89	NotFnd	*	*	*	n	n	1.107
74	4	PCB-121	NotFnd	*	*	*	n	n	1.533
75	4	PCB-92	NotFnd	*	*	*	n	y	1.171
76	4	PCB-90/101/113	33:42	9.070e+01	5.889e+01	1.54	y	n	1.257
77	4	PCB-83/99	34:18	3.505e+01	2.254e+01	1.55	y	y	1.087
78	4	PCB-112	NotFnd	*	*	*	n	y	1.500
79	4	PCB-86/87/97/109/119/125	34:47	7.736e+01	4.564e+01	1.70	y	y	1.273
80	4	PCB-117	NotFnd	*	*	*	n	n	1.124
81	4	PCB-85/116	NotFnd	*	*	*	n	n	1.370
82	4	PCB-110/115	35:42	9.932e+01	6.792e+01	1.46	y	y	1.428
83	4	PCB-82	NotFnd	*	*	*	n	n	0.966
84	4	PCB-111	NotFnd	*	*	*	n	n	1.384
85	4	PCB-120	NotFnd	*	*	*	n	n	1.421
86	5	PCB-108/124	NotFnd	*	*	*	n	n	1.029
87	5	PCB-107	NotFnd	*	*	*	n	n	1.057
88	5	PCB-123	NotFnd	*	*	*	n	n	1.018
89	5	PCB-106	NotFnd	*	*	*	n	n	1.084
90	5	PCB-118	38:43	6.316e+01	5.083e+01	1.24	n	n	0.997
91	5	PCB-122	NotFnd	*	*	*	n	n	0.971
92	5	PCB-114	NotFnd	*	*	*	n	n	0.991
93	5	PCB-105	39:51	3.001e+01	2.962e+01	1.01	n	n	1.011
94	5	PCB-127	NotFnd	*	*	*	n	n	0.913
95	5	PCB-126	NotFnd	*	*	*	n	n	0.960
96	4	PCB-155	NotFnd	*	*	*	n	n	0.988
97	4	PCB-152	NotFnd	*	*	*	n	n	2.103
98	4	PCB-150	NotFnd	*	*	*	n	n	2.005
99	4	PCB-136	NotFnd	*	*	*	n	n	2.052
100	4	PCB-145	NotFnd	*	*	*	n	n	1.890
101	4	PCB-148	NotFnd	*	*	*	n	n	1.502
102	4	PCB-135/151	NotFnd	*	*	*	n	n	1.425
103	4	PCB-154	NotFnd	*	*	*	n	n	1.669
104	4	PCB-144	NotFnd	*	*	*	n	n	1.504
105	5	PCB-147/149	37:32	3.748e+01	2.905e+01	1.29	y	y	1.382
106	5	PCB-134	NotFnd	*	*	*	n	n	1.167
107	5	PCB-143	NotFnd	*	*	*	n	n	1.342

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.365
109	5	PCB-131	NotFnd	*	*	*	n	n	1.198
110	5	PCB-142	NotFnd	*	*	*	n	n	1.255
111	5	PCB-132	38:48	2.628e+01	1.419e+01	1.85	n	y	1.143
112	5	PCB-133	NotFnd	*	*	*	n	n	1.274
113	5	PCB-165	NotFnd	*	*	*	n	n	1.499
114	5	PCB-146	NotFnd	*	*	*	n	n	1.367
115	5	PCB-161	NotFnd	*	*	*	n	n	1.696
116	5	PCB-153/168	40:34	3.868e+01	2.920e+01	1.32	y	y	1.540
117	5	PCB-141	NotFnd	*	*	*	n	y	1.248
118	5	PCB-130	NotFnd	*	*	*	n	n	1.089
119	5	PCB-137	NotFnd	*	*	*	n	n	1.159
120	5	PCB-164	NotFnd	*	*	*	n	n	1.528
121	5	PCB-129/138/163	41:50	6.196e+01	3.347e+01	1.85	n	y	1.293
122	5	PCB-160	NotFnd	*	*	*	n	n	1.484
123	5	PCB-158	NotFnd	*	*	*	n	n	1.632
124	5	PCB-128/166	NotFnd	*	*	*	n	y	1.280
125	6	PCB-159	NotFnd	*	*	*	n	n	0.967
126	6	PCB-162	NotFnd	*	*	*	n	n	0.916
127	6	PCB-167	NotFnd	*	*	*	n	n	1.008
128	6	PCB-156/157	NotFnd	*	*	*	n	n	1.006
129	6	PCB-169	NotFnd	*	*	*	n	n	0.992
130	5	PCB-188	NotFnd	*	*	*	n	n	0.990
131	5	PCB-179	NotFnd	*	*	*	n	n	1.535
132	5	PCB-184	NotFnd	*	*	*	n	n	1.525
133	5	PCB-176	NotFnd	*	*	*	n	n	1.470
134	5	PCB-186	NotFnd	*	*	*	n	n	1.393
135	5	PCB-178	NotFnd	*	*	*	n	n	1.041
136	5	PCB-175	NotFnd	*	*	*	n	n	1.105
137	5	PCB-187	NotFnd	*	*	*	n	n	1.127
138	5	PCB-182	NotFnd	*	*	*	n	n	1.037
139	6	PCB-183	NotFnd	*	*	*	n	n	0.821
140	6	PCB-185	NotFnd	*	*	*	n	n	0.608
141	6	PCB-174	NotFnd	*	*	*	n	n	0.716
142	6	PCB-177	NotFnd	*	*	*	n	n	0.667
143	6	PCB-181	NotFnd	*	*	*	n	n	0.656
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.631
145	6	PCB-172	NotFnd	*	*	*	n	n	0.608
146	6	PCB-192	NotFnd	*	*	*	n	n	0.736
147	6	PCB-180/193	NotFnd	*	*	*	n	n	0.729
148	6	PCB-191	NotFnd	*	*	*	n	n	0.822
149	6	PCB-170	NotFnd	*	*	*	n	n	0.575
150	6	PCB-190	NotFnd	*	*	*	n	n	0.751
151	6	PCB-189	NotFnd	*	*	*	n	n	0.863
152	6	PCB-202	NotFnd	*	*	*	n	n	0.863
153	6	PCB-201	NotFnd	*	*	*	n	n	1.391
154	6	PCB-204	NotFnd	*	*	*	n	n	1.342
155	6	PCB-197	NotFnd	*	*	*	n	n	1.195
156	6	PCB-200	NotFnd	*	*	*	n	n	1.428
157	6	PCB-198/199	NotFnd	*	*	*	n	n	0.874
158	6	PCB-196	NotFnd	*	*	*	n	n	0.902
159	6	PCB-203	NotFnd	*	*	*	n	n	0.920
160	6	PCB-195	NotFnd	*	*	*	n	n	0.810
161	6	PCB-194	NotFnd	*	*	*	n	n	0.824
162	6	PCB-205	NotFnd	*	*	*	n	n	0.889
163	6	PCB-208	NotFnd	*	*	*	n	n	0.880
164	6	PCB-207	NotFnd	*	*	*	n	n	1.250

Filename U142167 Acquired: 23-NOV-11 10:04:20

165	7	PCB-206	NotFnd	*	*	*	n	n	0.931
166	7	PCB-209	57:38	8.734e+01	6.547e+01	1.33	n	n	0.894
167	1	PCB-1L	13:18	2.579e+04	8.558e+03	3.01	y	n	1.220
168	1	PCB-3L	15:34	2.685e+04	8.510e+03	3.15	y	n	1.173
169	1	PCB-4L	15:48	1.473e+04	9.285e+03	1.59	y	n	0.803
170	2	PCB-15L	21:52	1.941e+04	1.249e+04	1.55	y	n	0.962
171	2	PCB-19L	19:01	1.086e+04	1.071e+04	1.01	y	n	0.636
172	3	PCB-37L	29:00	1.609e+04	1.567e+04	1.03	y	n	1.144
173	2	PCB-54L	22:09	1.051e+04	1.335e+04	0.79	y	n	1.140
174	4	PCB-81L	35:47	1.218e+04	1.553e+04	0.78	y	n	0.947
175	4	PCB-77L	36:21	1.277e+04	1.631e+04	0.78	y	n	0.949
176	3	PCB-104L	27:44	1.716e+04	1.096e+04	1.56	y	n	1.397
177	5	PCB-123L	38:20	1.494e+04	9.460e+03	1.58	y	n	1.029
178	5	PCB-118L	38:40	1.555e+04	1.000e+04	1.55	y	n	1.077
179	5	PCB-114L	39:12	1.526e+04	9.570e+03	1.59	y	n	1.075
180	5	PCB-105L	39:51	1.465e+04	9.326e+03	1.57	y	n	1.013
181	5	PCB-126L	42:58	1.337e+04	8.597e+03	1.56	y	n	0.898
182	4	PCB-155L	33:26	1.692e+04	1.340e+04	1.26	y	n	1.637
183	6	PCB-167L	44:49	1.001e+04	7.915e+03	1.27	y	n	0.882
184	6	PCB-156/157L	45:59	1.965e+04	1.540e+04	1.28	y	n	0.818
185	6	PCB-169L	49:14	9.027e+03	7.288e+03	1.24	y	n	0.716
186	5	PCB-188L	39:11	1.496e+04	1.396e+04	1.07	y	n	2.358
187	6	PCB-189L	51:44	9.077e+03	8.790e+03	1.03	y	n	1.307
188	6	PCB-202L	44:34	9.689e+03	1.084e+04	0.89	y	n	1.804
189	6	PCB-205L	54:18	7.290e+03	7.995e+03	0.91	y	n	1.363
190	6	PCB-208L	51:14	6.548e+03	8.300e+03	0.79	y	n	1.337
191	7	PCB-206L	56:02	5.793e+03	7.428e+03	0.78	y	n	0.998
192	7	PCB-209L	57:37	8.044e+03	6.644e+03	1.21	y	n	1.563
193	3	PCB-28L	24:56	1.960e+04	1.920e+04	1.02	y	n	1.387
194	4	PCB-111L	36:24	1.993e+04	1.256e+04	1.59	y	n	1.238
195	5	PCB-178L	42:15	1.010e+04	9.599e+03	1.05	y	n	0.953
196	2	PCB-9L	17:51	3.051e+04	1.972e+04	1.55	y	n	-
197	3	PCB-52L	26:47	1.893e+04	2.473e+04	0.77	y	n	-
198	4	PCB-101L	33:40	2.440e+04	1.550e+04	1.57	y	n	-
199	5	PCB-138L	41:48	1.907e+04	1.532e+04	1.24	y	n	-
200	6	PCB-194L	53:49	9.153e+03	9.903e+03	0.92	y	n	-

-- Sample Calculation--

2.595 e+01

$$\text{PCB-209} = \frac{(8.734e+01 + 6.547e+01) \times (100.0 \times 100.0)\text{pg} \times 1}{(8.044e+03 + 6.644e+03) \times (980\ \text{mLg}) \times (100\ \text{———}) / 100 \times 0.8938} = 110\text{pg/L}$$

12/02/11

A1 = A2 X 1.16

=

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sp166respa
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
KC91-156U

Run #11 Filename U142167#1 Samp: 1 Inj: 1 Acquired: 23-NOV-11 10:04:20

Processed: 6-DEC-11 15:56:20 LAB. ID: E1101076-003

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.16e+03	*	*	1.08e+03	*
2	PCB-2	8.33e+03	1.16e+03	7.2e+00	3.73e+03	1.08e+03	3.4e+00
3	PCB-3	9.74e+03	1.16e+03	8.4e+00	3.70e+03	1.08e+03	3.4e+00
4	PCB-4	*	1.34e+03	*	*	1.47e+04	*
5	PCB-10	*	1.34e+03	*	*	1.47e+04	*
6	PCB-9	*	1.65e+03	*	*	1.37e+04	*
7	PCB-7	*	1.65e+03	*	*	1.37e+04	*
8	PCB-6	*	1.65e+03	*	*	1.37e+04	*
9	PCB-5	*	1.65e+03	*	*	1.37e+04	*
10	PCB-8	*	1.65e+03	*	*	1.37e+04	*
11	PCB-14	*	1.65e+03	*	*	1.37e+04	*
12	PCB-11	1.24e+05	1.65e+03	7.5e+01	8.21e+04	1.37e+04	6.0e+00
13	PCB-12/13	*	1.65e+03	*	*	1.37e+04	*
14	PCB-15	*	1.65e+03	*	*	1.37e+04	*
15	PCB-19	*	1.11e+03	*	*	1.30e+03	*
16	PCB-18/30	1.42e+04	1.11e+03	1.3e+01	1.29e+04	1.30e+03	9.9e+00
17	PCB-17	*	1.11e+03	*	*	1.30e+03	*
18	PCB-27	*	1.11e+03	*	*	1.30e+03	*
19	PCB-24	*	1.11e+03	*	*	1.30e+03	*
20	PCB-16	5.71e+03	1.11e+03	5.1e+00	6.44e+03	1.30e+03	5.0e+00
21	PCB-32	*	1.11e+03	*	*	1.30e+03	*
22	PCB-34	*	2.48e+03	*	*	1.19e+03	*
23	PCB-23	*	2.48e+03	*	*	1.19e+03	*
24	PCB-26/29	*	2.48e+03	*	*	1.19e+03	*
25	PCB-25	*	2.48e+03	*	*	1.19e+03	*
26	PCB-31	1.12e+04	2.48e+03	4.5e+00	1.15e+04	1.19e+03	9.7e+00
27	PCB-20/28	1.05e+04	2.48e+03	4.2e+00	1.09e+04	1.19e+03	9.2e+00
28	PCB-21/33	9.20e+03	2.48e+03	3.7e+00	7.41e+03	1.19e+03	6.2e+00
29	PCB-22	*	2.48e+03	*	*	1.19e+03	*
30	PCB-36	*	2.48e+03	*	*	1.19e+03	*
31	PCB-39	*	2.48e+03	*	*	1.19e+03	*
32	PCB-38	*	2.48e+03	*	*	1.19e+03	*
33	PCB-35	*	2.48e+03	*	*	1.19e+03	*
34	PCB-37	*	2.48e+03	*	*	1.19e+03	*
35	PCB-54	*	7.96e+02	*	*	9.44e+02	*
36	PCB-50/53	2.61e+03	1.04e+03	2.5e+00	4.96e+03	1.10e+03	4.5e+00
37	PCB-45/51	*	1.04e+03	*	*	1.10e+03	*
38	PCB-46	*	1.04e+03	*	*	1.10e+03	*
39	PCB-52	1.39e+04	1.04e+03	1.3e+01	1.60e+04	1.10e+03	1.5e+01
40	PCB-43/73	*	1.04e+03	*	*	1.10e+03	*
41	PCB-49/69	4.37e+03	1.04e+03	4.2e+00	8.22e+03	1.10e+03	7.4e+00
42	PCB-48	*	1.04e+03	*	*	1.10e+03	*
43	PCB-44/47/65	9.23e+03	1.04e+03	8.9e+00	1.71e+04	1.10e+03	1.5e+01
44	PCB-59/62/75	*	1.04e+03	*	*	1.10e+03	*
45	PCB-42	*	1.04e+03	*	*	1.10e+03	*
46	PCB-40/41/71	*	1.04e+03	*	*	1.10e+03	*
47	PCB-64	*	1.04e+03	*	*	1.10e+03	*

Run #11 Filename U142167#1 Samp: 1 Acquired: 23-NOV-11 10:04:20

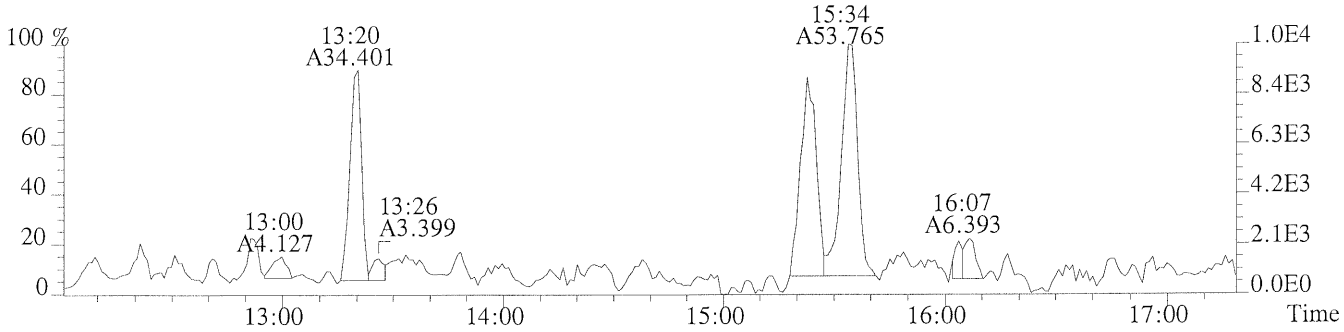
48	PCB-72	*	1.04e+03	*	*	1.10e+03	*
49	PCB-68	*	1.04e+03	*	*	1.10e+03	*
50	PCB-57	*	1.04e+03	*	*	1.10e+03	*
51	PCB-58	*	1.04e+03	*	*	1.10e+03	*
52	PCB-67	*	1.04e+03	*	*	1.10e+03	*
53	PCB-63	*	1.04e+03	*	*	1.10e+03	*
54	PCB-61/70/74/76	9.43e+03	1.04e+03	9.1e+00	1.14e+04	1.10e+03	1.0e+01
55	PCB-66	4.92e+03	1.04e+03	4.7e+00	7.11e+03	1.10e+03	6.4e+00
56	PCB-55	*	1.04e+03	*	*	1.10e+03	*
57	PCB-56	*	5.04e+02	*	*	1.15e+03	*
58	PCB-60	*	5.04e+02	*	*	1.15e+03	*
59	PCB-80	*	5.04e+02	*	*	1.15e+03	*
60	PCB-79	*	5.04e+02	*	*	1.15e+03	*
61	PCB-78	*	5.04e+02	*	*	1.15e+03	*
62	PCB-81	*	5.04e+02	*	*	1.15e+03	*
63	PCB-77	*	5.04e+02	*	*	1.15e+03	*
64	PCB-104	*	8.72e+02	*	*	8.92e+02	*
65	PCB-96	*	8.72e+02	*	*	8.92e+02	*
66	PCB-103	*	8.72e+02	*	*	8.92e+02	*
67	PCB-94	*	8.72e+02	*	*	8.92e+02	*
68	PCB-95	1.10e+04	8.72e+02	1.3e+01	6.13e+03	8.92e+02	6.9e+00
69	PCB-93/100	*	8.72e+02	*	*	8.92e+02	*
70	PCB-98/102	*	8.72e+02	*	*	8.92e+02	*
71	PCB-88/91	*	8.72e+02	*	*	8.92e+02	*
72	PCB-84	*	8.72e+02	*	*	8.92e+02	*
73	PCB-89	*	8.72e+02	*	*	8.92e+02	*
74	PCB-121	*	1.03e+03	*	*	1.02e+03	*
75	PCB-92	*	1.03e+03	*	*	1.02e+03	*
76	PCB-90/101/113	1.56e+04	1.03e+03	1.5e+01	1.12e+04	1.02e+03	1.1e+01
77	PCB-83/99	6.33e+03	1.03e+03	6.2e+00	3.30e+03	1.02e+03	3.2e+00
78	PCB-112	*	1.03e+03	*	*	1.02e+03	*
79	CB-86/87/97/109/119/125	7.15e+03	1.03e+03	7.0e+00	4.49e+03	1.02e+03	4.4e+00
80	PCB-117	*	1.03e+03	*	*	1.02e+03	*
81	PCB-85/116	*	1.03e+03	*	*	1.02e+03	*
82	PCB-110/115	1.80e+04	1.03e+03	1.7e+01	1.12e+04	1.02e+03	1.1e+01
83	PCB-82	*	1.03e+03	*	*	1.02e+03	*
84	PCB-111	*	1.03e+03	*	*	1.02e+03	*
85	PCB-120	*	1.03e+03	*	*	1.02e+03	*
86	PCB-108/124	*	1.22e+03	*	*	1.30e+03	*
87	PCB-107	*	1.22e+03	*	*	1.30e+03	*
88	PCB-123	*	1.22e+03	*	*	1.30e+03	*
89	PCB-106	*	1.22e+03	*	*	1.30e+03	*
90	PCB-118	1.10e+04	1.22e+03	9.0e+00	7.82e+03	1.30e+03	6.0e+00
91	PCB-122	*	1.22e+03	*	*	1.30e+03	*
92	PCB-114	*	1.22e+03	*	*	1.30e+03	*
93	PCB-105	4.19e+03	1.22e+03	3.4e+00	5.01e+03	1.30e+03	3.8e+00
94	PCB-127	*	1.22e+03	*	*	1.30e+03	*
95	PCB-126	*	1.22e+03	*	*	1.30e+03	*
96	PCB-155	*	9.12e+02	*	*	1.23e+03	*
97	PCB-152	*	9.12e+02	*	*	1.23e+03	*
98	PCB-150	*	9.12e+02	*	*	1.23e+03	*
99	PCB-136	*	9.12e+02	*	*	1.23e+03	*
100	PCB-145	*	9.12e+02	*	*	1.23e+03	*
101	PCB-148	*	9.12e+02	*	*	1.23e+03	*
102	PCB-135/151	*	9.12e+02	*	*	1.23e+03	*
103	PCB-154	*	9.12e+02	*	*	1.23e+03	*
104	PCB-144	*	9.12e+02	*	*	1.23e+03	*

105	PCB-147/149	6.21e+03	1.24e+03	5.0e+00	4.59e+03	8.80e+02	5.2e+00
106	PCB-134	*	1.24e+03	*	*	8.80e+02	*
107	PCB-143	*	1.24e+03	*	*	8.80e+02	*
108	PCB-139/140	*	1.24e+03	*	*	8.80e+02	*
109	PCB-131	*	1.24e+03	*	*	8.80e+02	*
110	PCB-142	*	1.24e+03	*	*	8.80e+02	*
111	PCB-132	5.48e+03	1.24e+03	4.4e+00	2.62e+03	8.80e+02	3.0e+00
112	PCB-133	*	1.24e+03	*	*	8.80e+02	*
113	PCB-165	*	1.24e+03	*	*	8.80e+02	*
114	PCB-146	*	1.24e+03	*	*	8.80e+02	*
115	PCB-161	*	1.24e+03	*	*	8.80e+02	*
116	PCB-153/168	6.76e+03	1.24e+03	5.4e+00	5.50e+03	8.80e+02	6.2e+00
117	PCB-141	*	1.24e+03	*	*	8.80e+02	*
118	PCB-130	*	1.24e+03	*	*	8.80e+02	*
119	PCB-137	*	1.24e+03	*	*	8.80e+02	*
120	PCB-164	*	1.24e+03	*	*	8.80e+02	*
121	PCB-129/138/163	1.07e+04	1.24e+03	8.6e+00	5.33e+03	8.80e+02	6.1e+00
122	PCB-160	*	1.24e+03	*	*	8.80e+02	*
123	PCB-158	*	1.24e+03	*	*	8.80e+02	*
124	PCB-128/166	*	1.24e+03	*	*	8.80e+02	*
125	PCB-159	*	7.84e+02	*	*	7.88e+02	*
126	PCB-162	*	7.84e+02	*	*	7.88e+02	*
127	PCB-167	*	7.84e+02	*	*	7.88e+02	*
128	PCB-156/157	*	7.84e+02	*	*	7.88e+02	*
129	PCB-169	*	7.84e+02	*	*	7.88e+02	*
130	PCB-188	*	1.12e+03	*	*	8.44e+02	*
131	PCB-179	*	1.12e+03	*	*	8.44e+02	*
132	PCB-184	*	1.12e+03	*	*	8.44e+02	*
133	PCB-176	*	1.12e+03	*	*	8.44e+02	*
134	PCB-186	*	1.12e+03	*	*	8.44e+02	*
135	PCB-178	*	1.12e+03	*	*	8.44e+02	*
136	PCB-175	*	1.12e+03	*	*	8.44e+02	*
137	PCB-187	*	1.12e+03	*	*	8.44e+02	*
138	PCB-182	*	1.12e+03	*	*	8.44e+02	*
139	PCB-183	*	1.17e+03	*	*	7.88e+02	*
140	PCB-185	*	1.17e+03	*	*	7.88e+02	*
141	PCB-174	*	1.17e+03	*	*	7.88e+02	*
142	PCB-177	*	1.17e+03	*	*	7.88e+02	*
143	PCB-181	*	1.17e+03	*	*	7.88e+02	*
144	PCB-171/173	*	1.17e+03	*	*	7.88e+02	*
145	PCB-172	*	1.17e+03	*	*	7.88e+02	*
146	PCB-192	*	1.17e+03	*	*	7.88e+02	*
147	PCB-180/193	*	1.17e+03	*	*	7.88e+02	*
148	PCB-191	*	1.17e+03	*	*	7.88e+02	*
149	PCB-170	*	1.17e+03	*	*	7.88e+02	*
150	PCB-190	*	1.17e+03	*	*	7.88e+02	*
151	PCB-189	*	1.17e+03	*	*	7.88e+02	*
152	PCB-202	*	9.76e+02	*	*	8.12e+02	*
153	PCB-201	*	9.76e+02	*	*	8.12e+02	*
154	PCB-204	*	9.76e+02	*	*	8.12e+02	*
155	PCB-197	*	9.76e+02	*	*	8.12e+02	*
156	PCB-200	*	9.76e+02	*	*	8.12e+02	*
157	PCB-198/199	*	9.76e+02	*	*	8.12e+02	*
158	PCB-196	*	9.76e+02	*	*	8.12e+02	*
159	PCB-203	*	9.76e+02	*	*	8.12e+02	*
160	PCB-195	*	9.76e+02	*	*	8.12e+02	*
161	PCB-194	*	9.76e+02	*	*	8.12e+02	*
162	PCB-205	*	9.76e+02	*	*	8.12e+02	*

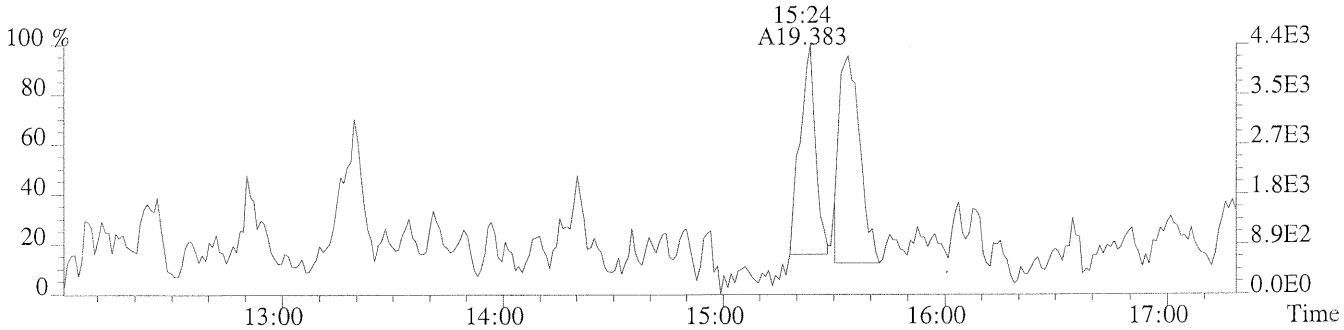
163	PCB-208	*	1.38e+03	*	*	8.52e+02	*
164	PCB-207	*	1.38e+03	*	*	8.52e+02	*
165	PCB-206	*	9.60e+02	*	*	1.04e+03	*
166	PCB-209	1.66e+04	7.56e+02	2.2e+01	1.09e+04	7.80e+02	1.4e+01
167	PCB-1L	6.35e+06	2.37e+03	2.7e+03	2.09e+06	1.72e+04	1.2e+02
168	PCB-3L	4.57e+06	2.37e+03	1.9e+03	1.45e+06	1.72e+04	8.5e+01
169	PCB-4L	2.62e+06	1.46e+03	1.8e+03	1.66e+06	1.11e+03	1.5e+03
170	PCB-15L	2.65e+06	1.81e+03	1.5e+03	1.72e+06	1.93e+03	8.9e+02
171	PCB-19L	1.77e+06	1.10e+04	1.6e+02	1.75e+06	7.12e+03	2.5e+02
172	PCB-37L	2.08e+06	9.94e+03	2.1e+02	2.01e+06	5.99e+03	3.4e+02
173	PCB-54L	1.65e+06	1.80e+03	9.2e+02	2.04e+06	8.84e+02	2.3e+03
174	PCB-81L	1.78e+06	1.72e+03	1.0e+03	2.28e+06	1.17e+03	2.0e+03
175	PCB-77L	1.71e+06	1.72e+03	1.0e+03	2.21e+06	1.17e+03	1.9e+03
176	PCB-104L	2.49e+06	8.68e+02	2.9e+03	1.55e+06	1.08e+03	1.4e+03
177	PCB-123L	2.34e+06	7.62e+03	3.1e+02	1.47e+06	7.38e+03	2.0e+02
178	PCB-118L	2.36e+06	7.62e+03	3.1e+02	1.51e+06	7.38e+03	2.1e+02
179	PCB-114L	2.48e+06	7.62e+03	3.3e+02	1.54e+06	7.38e+03	2.1e+02
180	PCB-105L	2.25e+06	7.62e+03	3.0e+02	1.45e+06	7.38e+03	2.0e+02
181	PCB-126L	2.04e+06	7.62e+03	2.7e+02	1.30e+06	7.38e+03	1.8e+02
182	PCB-155L	2.65e+06	1.32e+03	2.0e+03	2.09e+06	1.06e+03	2.0e+03
183	PCB-167L	2.01e+06	4.12e+03	4.9e+02	1.61e+06	5.30e+03	3.0e+02
184	PCB-156/157L	2.99e+06	4.12e+03	7.2e+02	2.40e+06	5.30e+03	4.5e+02
185	PCB-169L	1.70e+06	4.12e+03	4.1e+02	1.37e+06	5.30e+03	2.6e+02
186	PCB-188L	2.45e+06	2.13e+03	1.2e+03	2.29e+06	1.08e+03	2.1e+03
187	PCB-189L	1.80e+06	1.25e+03	1.4e+03	1.77e+06	1.07e+03	1.7e+03
188	PCB-202L	1.98e+06	9.24e+02	2.1e+03	2.20e+06	7.44e+02	3.0e+03
189	PCB-205L	1.42e+06	9.24e+02	1.5e+03	1.57e+06	7.44e+02	2.1e+03
190	PCB-208L	1.35e+06	7.36e+02	1.8e+03	1.66e+06	7.44e+02	2.2e+03
191	PCB-206L	1.05e+06	5.00e+02	2.1e+03	1.32e+06	8.64e+02	1.5e+03
192	PCB-209L	1.44e+06	8.96e+02	1.6e+03	1.18e+06	6.40e+02	1.8e+03
193	PCB-28L	2.59e+06	9.94e+03	2.6e+02	2.55e+06	5.99e+03	4.2e+02
194	PCB-111L	3.15e+06	1.00e+03	3.1e+03	1.96e+06	8.92e+02	2.2e+03
195	PCB-178L	1.66e+06	2.13e+03	7.8e+02	1.59e+06	1.08e+03	1.5e+03
196	PCB-9L	5.12e+06	1.81e+03	2.8e+03	3.29e+06	1.93e+03	1.7e+03
197	PCB-52L	2.67e+06	1.76e+03	1.5e+03	3.45e+06	1.20e+03	2.9e+03
198	PCB-101L	3.68e+06	1.00e+03	3.7e+03	2.32e+06	8.92e+02	2.6e+03
199	PCB-138L	3.11e+06	1.02e+03	3.1e+03	2.48e+06	9.12e+02	2.7e+03
200	PCB-194L	1.85e+06	9.24e+02	2.0e+03	2.01e+06	7.44e+02	2.7e+03

File:U142167 #1-341 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

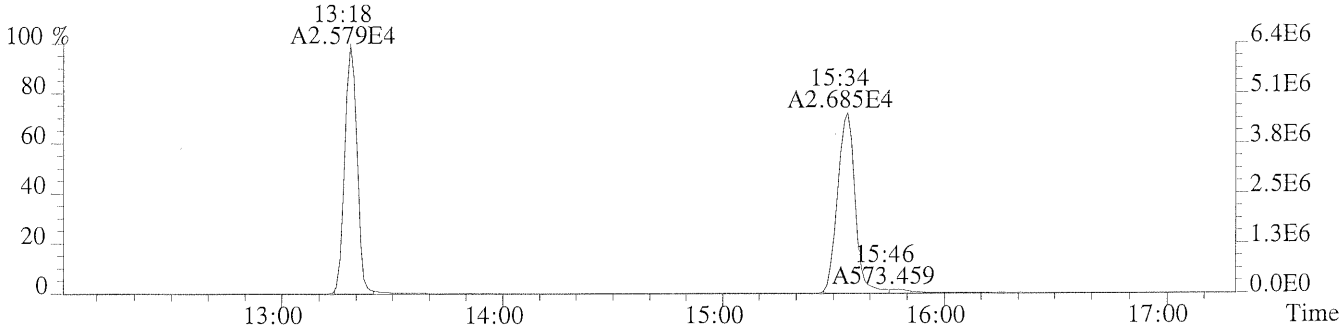
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1160.0,1.00%,F,T)



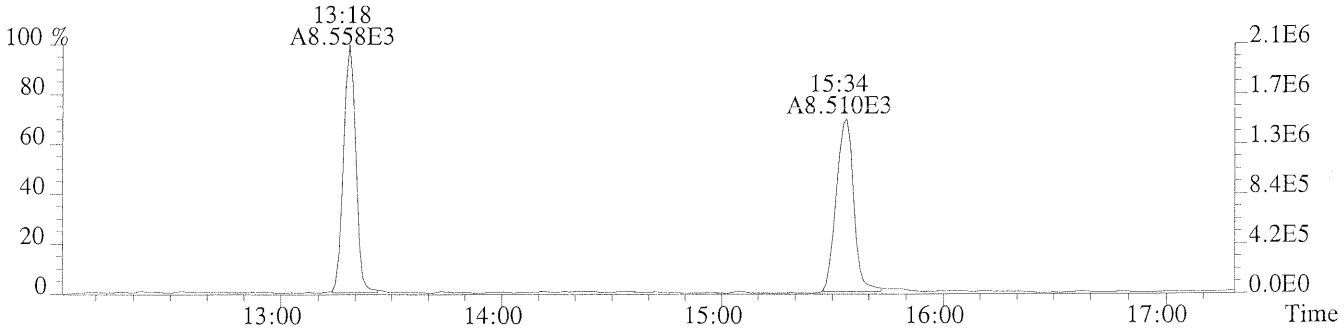
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1084.0,1.00%,F,T)



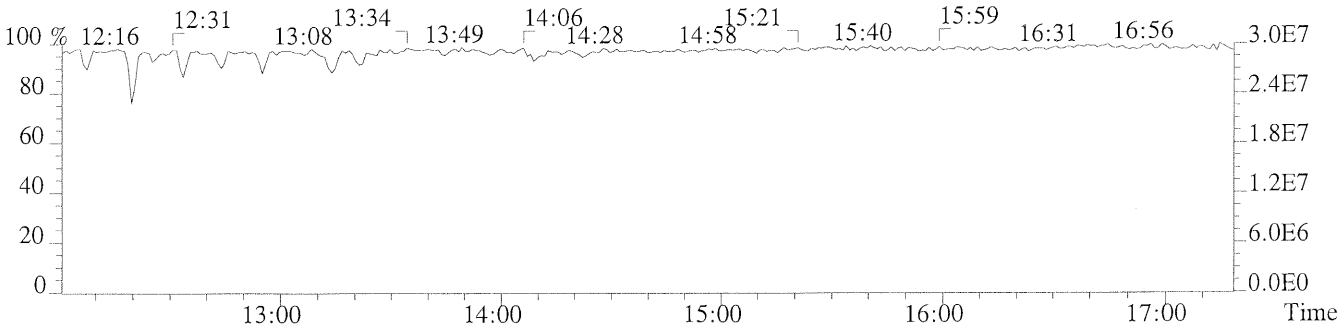
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2372.0,1.00%,F,T)



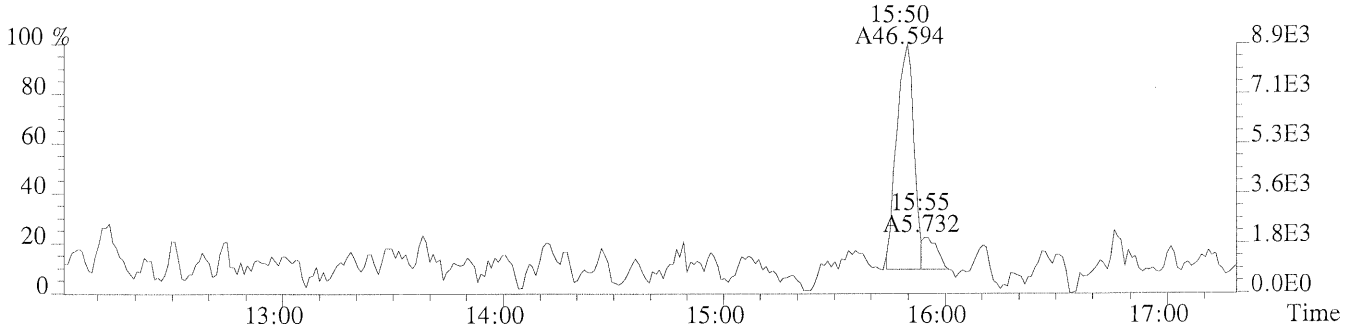
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17160.0,1.00%,F,T)



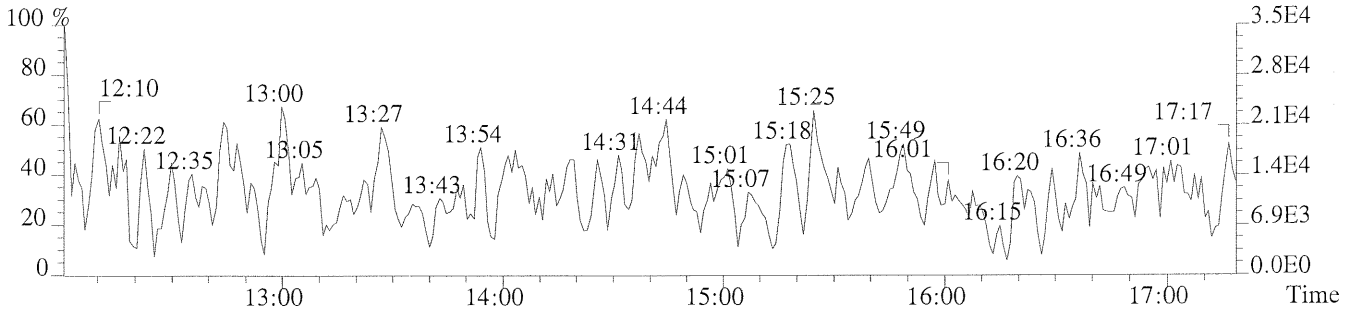
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



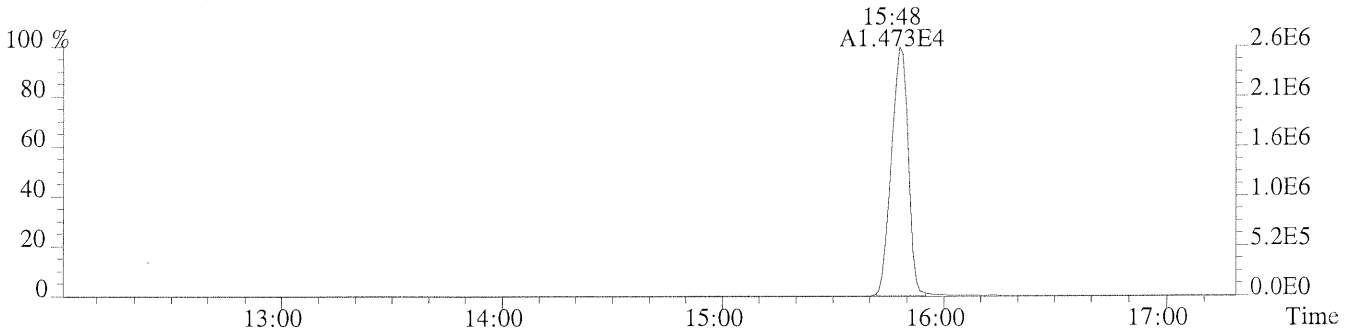
File:U142167 #1-341 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1344.0,1.00%,F,T)



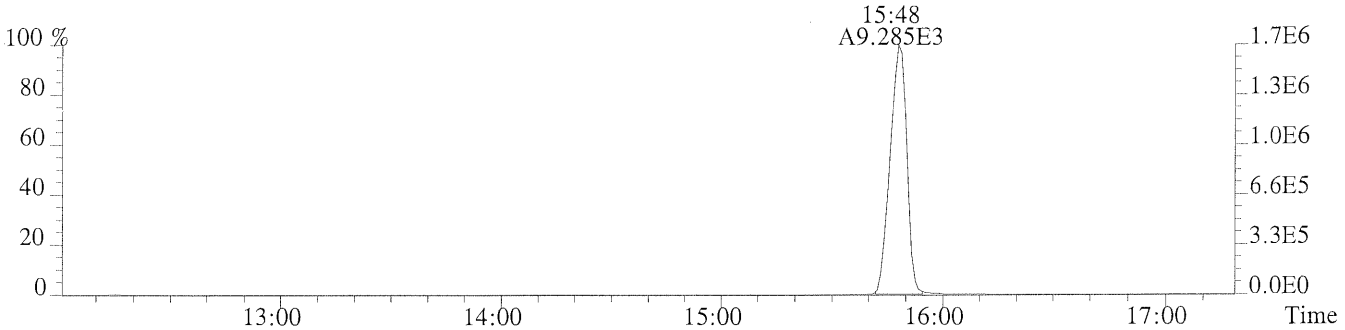
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,14744.0,1.00%,F,T)



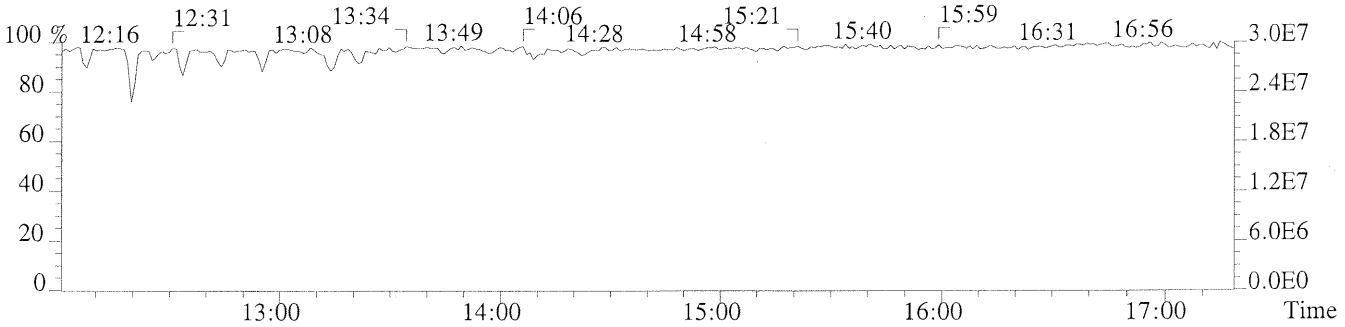
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1464.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1112.0,1.00%,F,T)

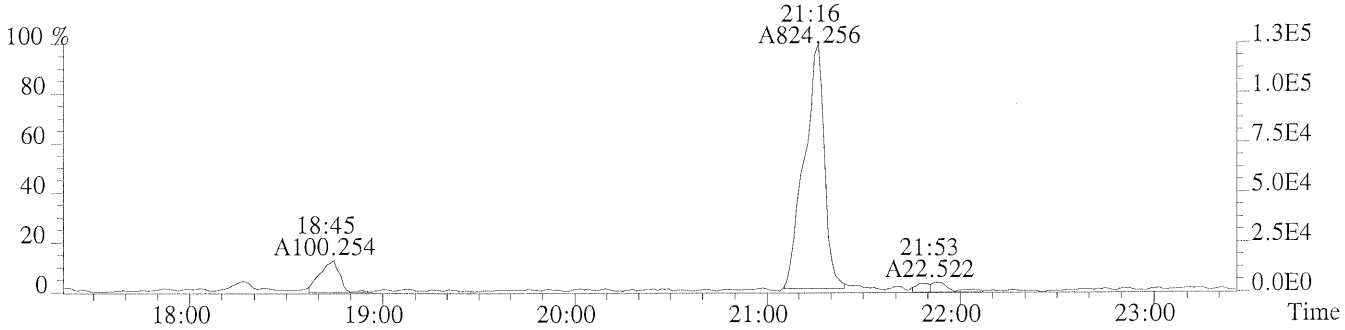


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

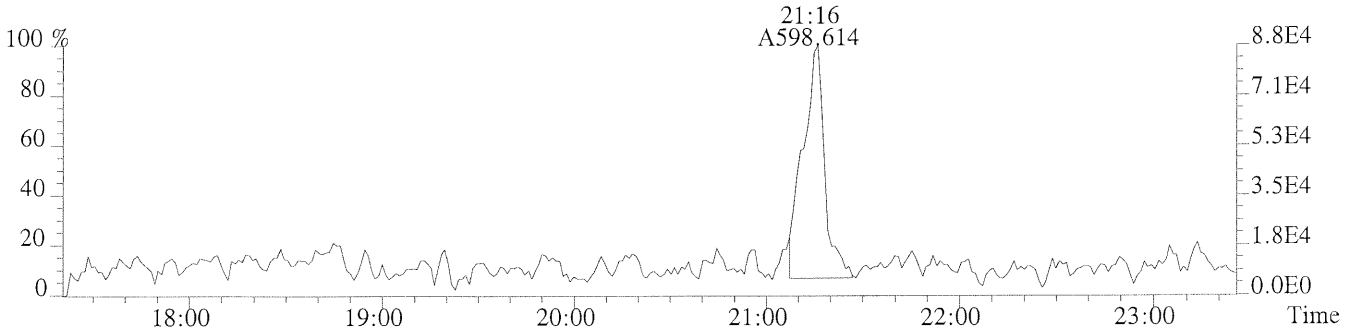


File:U142167 #1-336 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

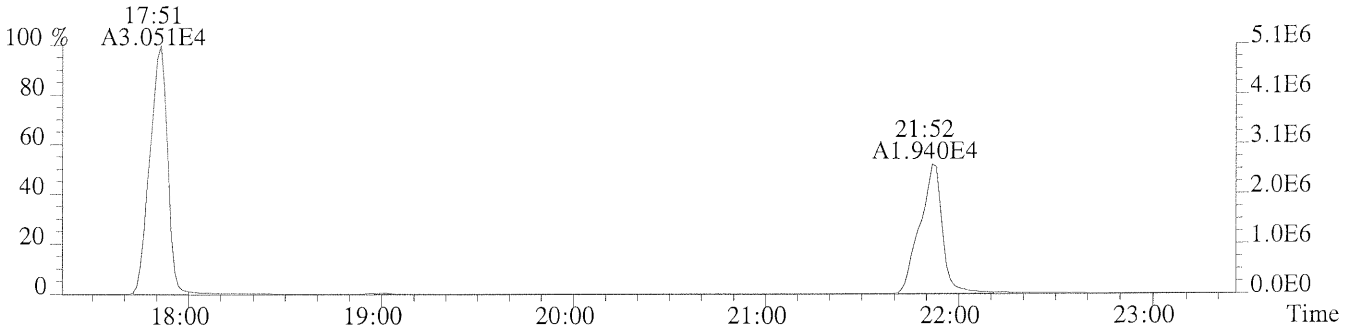
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1652.0,1.00%,F,T)



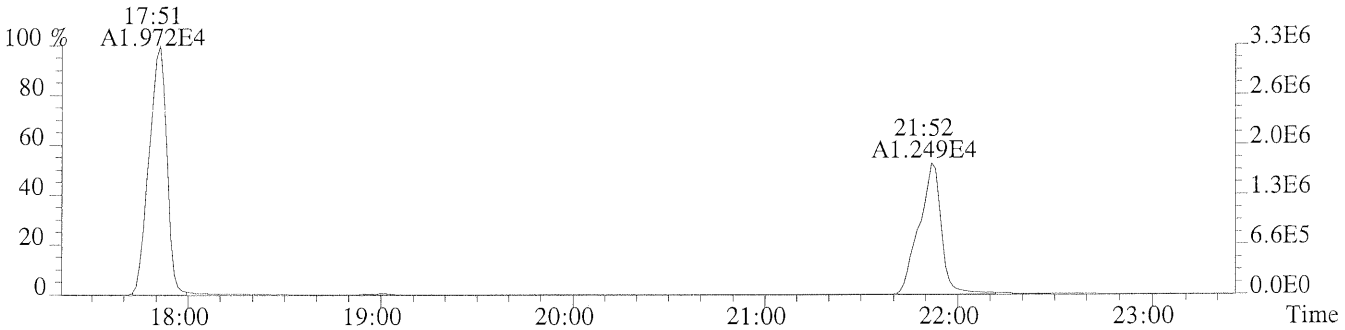
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13656.0,1.00%,F,T)



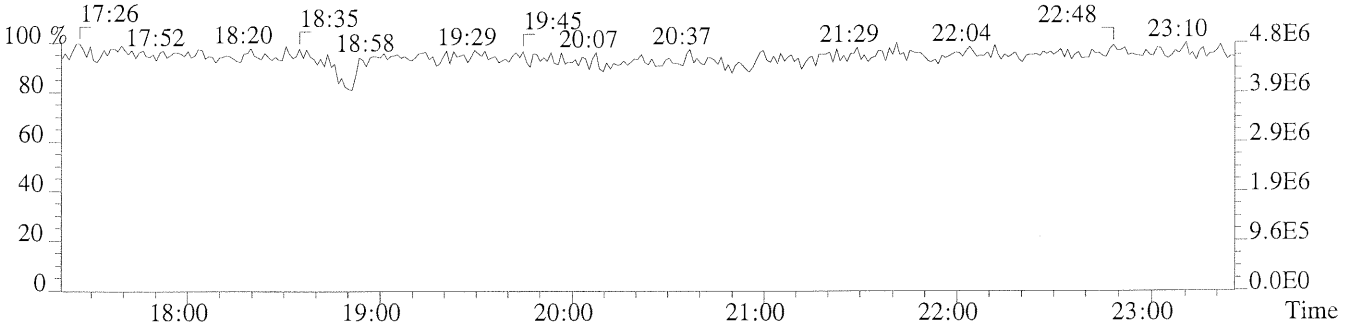
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1812.0,1.00%,F,T)



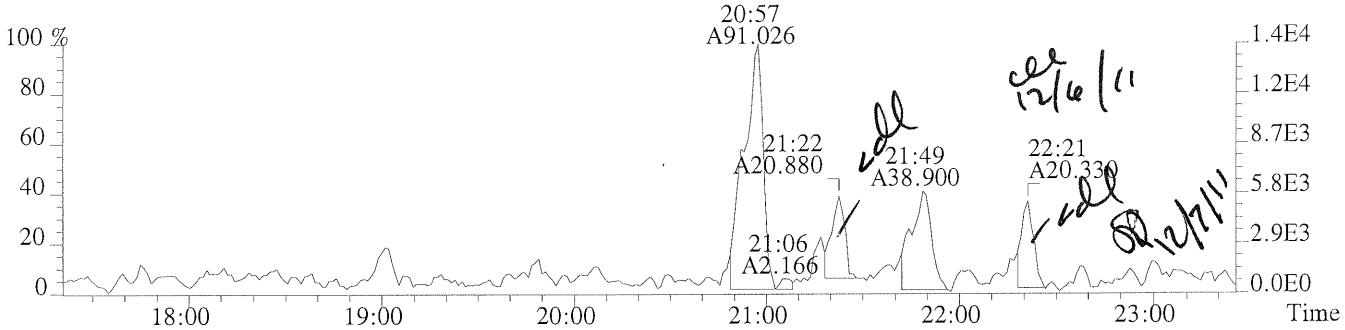
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1928.0,1.00%,F,T)



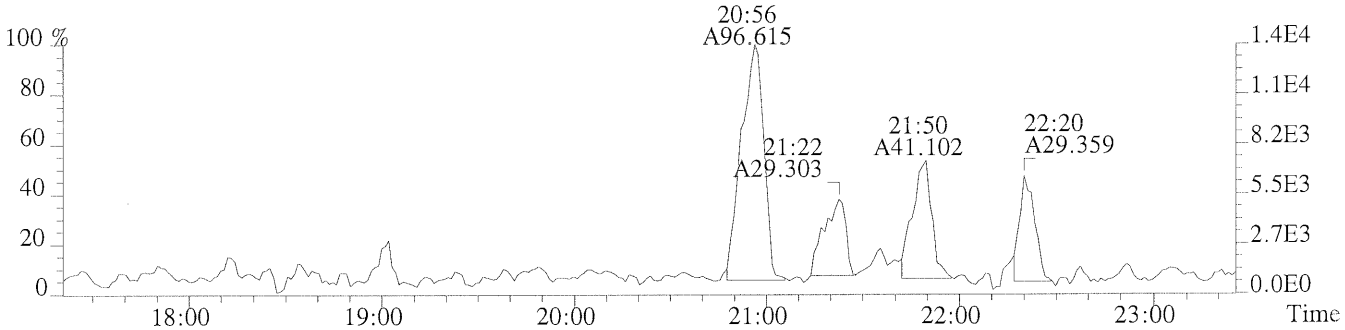
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



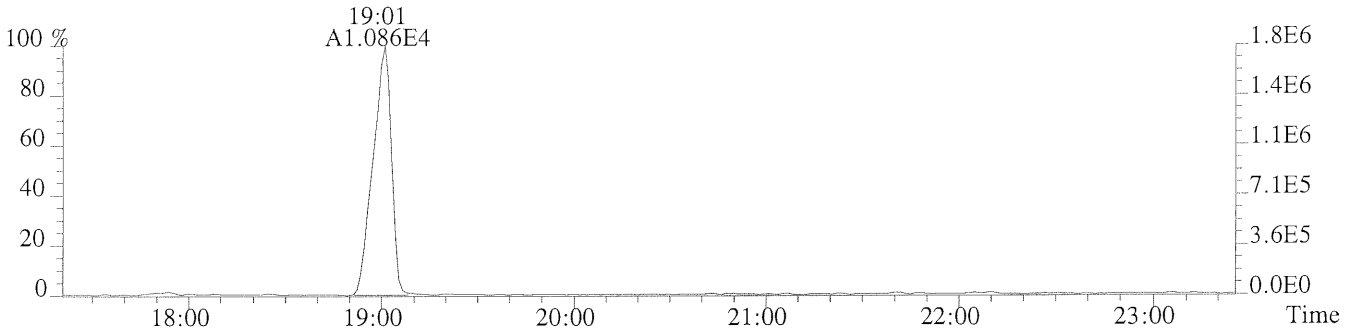
File:U142167 #1-336 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1112.0,1.00%,F,T)



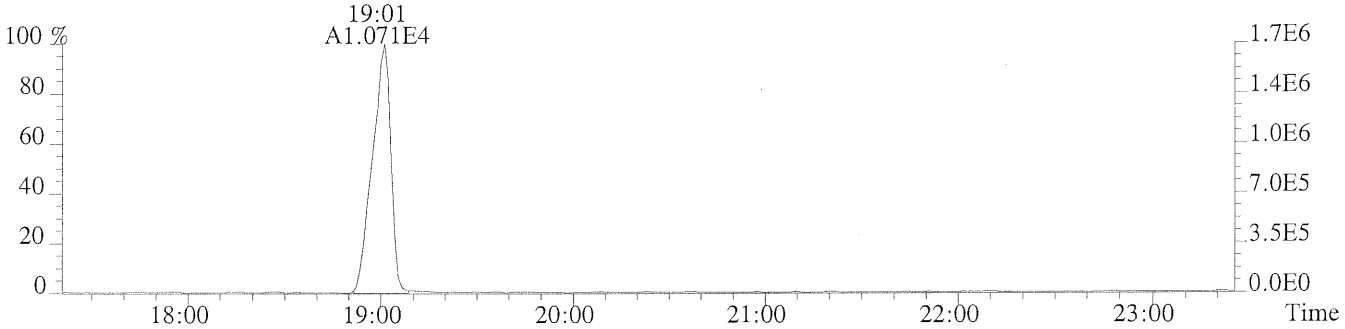
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1300.0,1.00%,F,T)



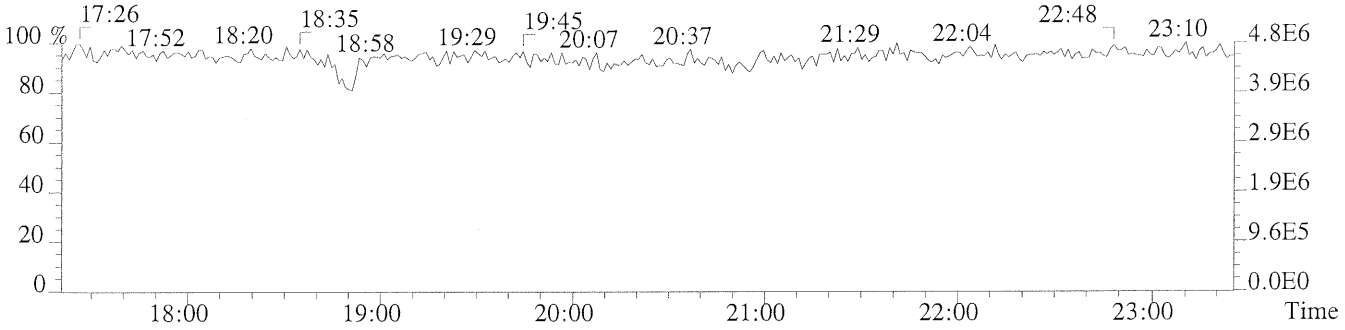
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10996.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7124.0,1.00%,F,T)

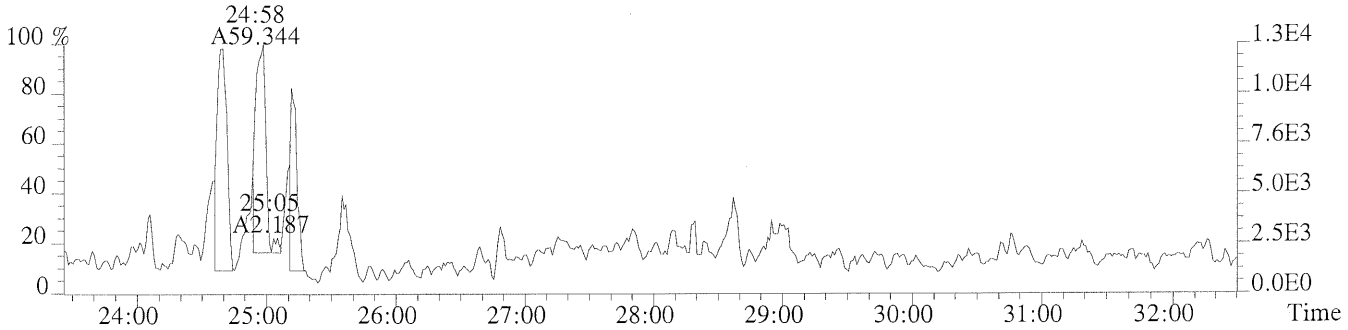


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

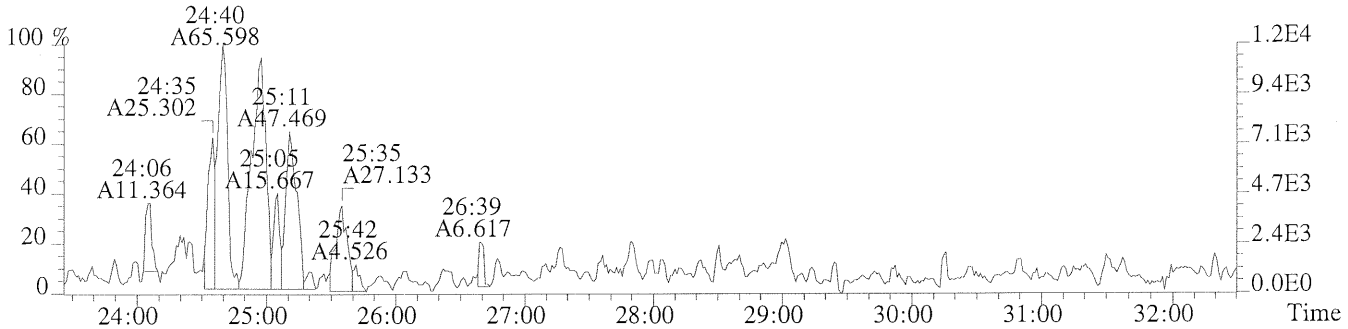


File:U142167 #1-580 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

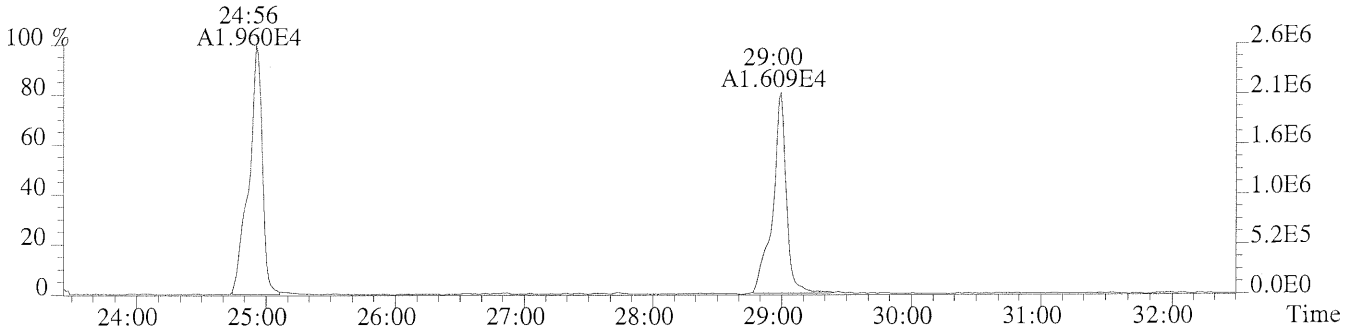
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2480.0,1.00%,F,T)



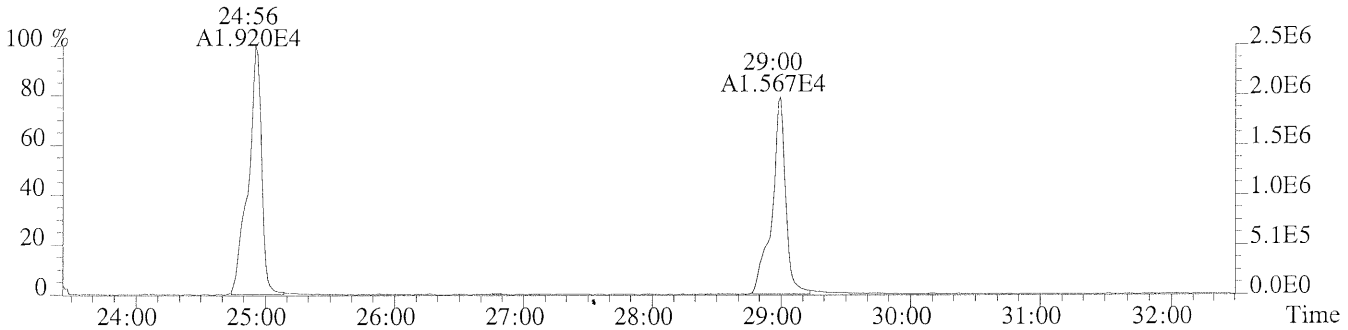
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1192.0,1.00%,F,T)



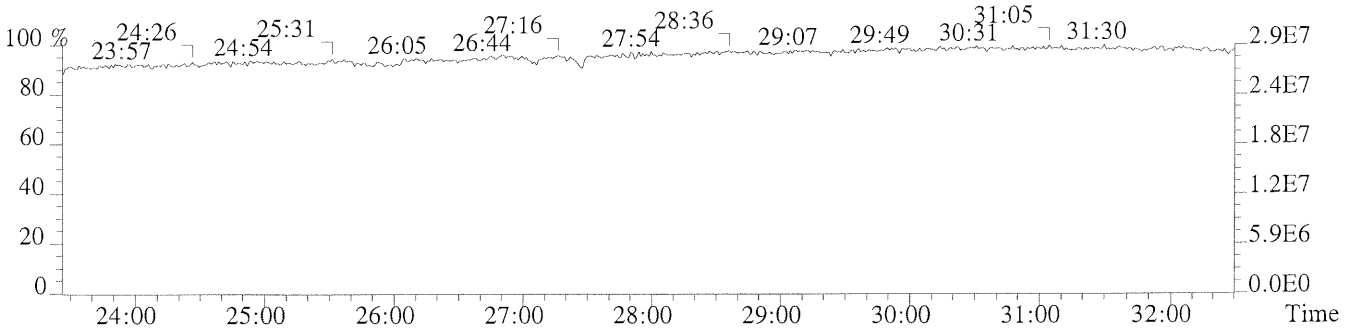
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9936.0,1.00%,F,T)



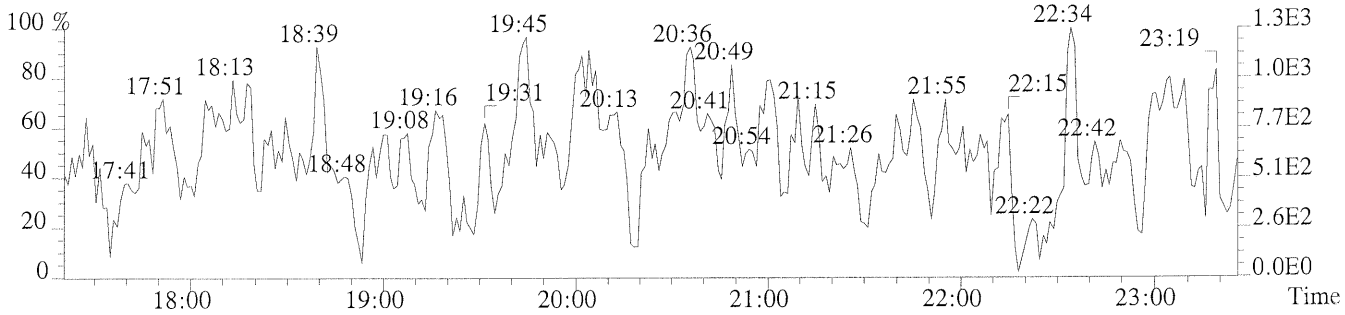
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5992.0,1.00%,F,T)



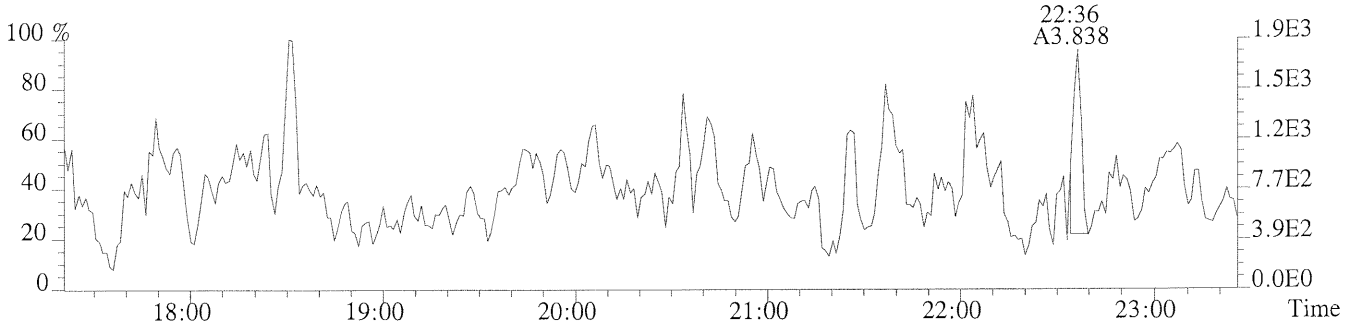
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



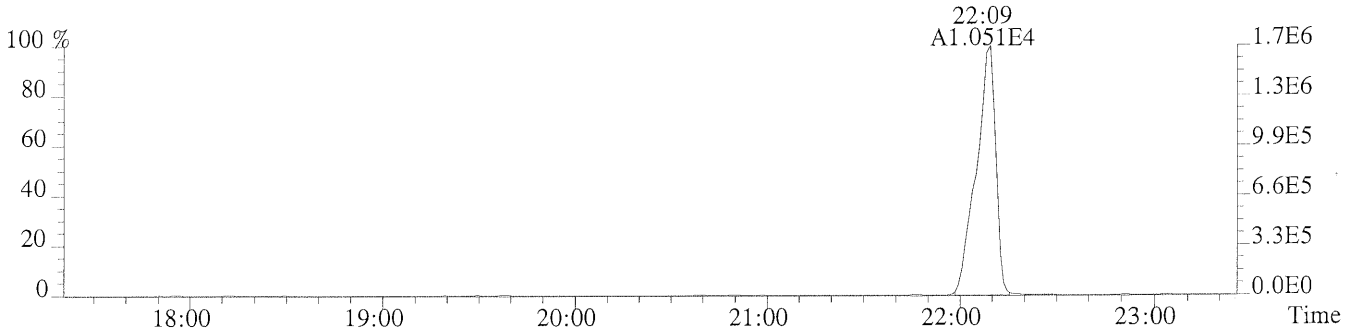
File:U142167 #1-336 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)



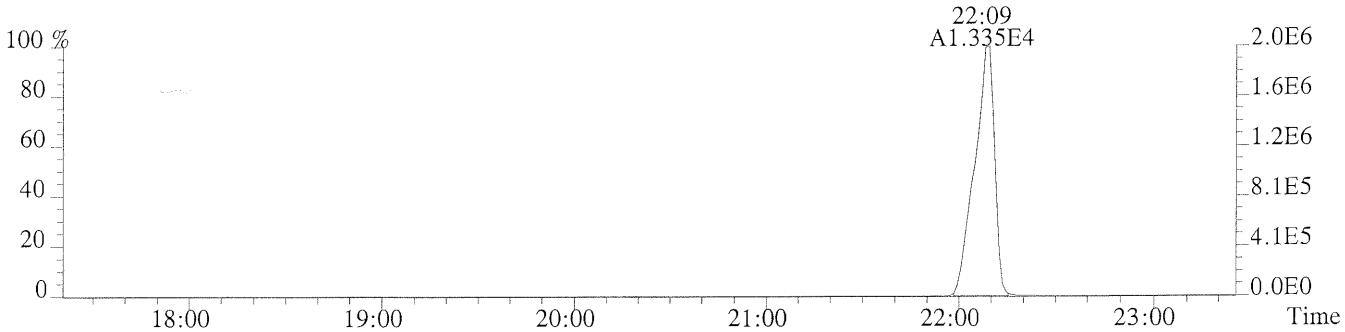
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



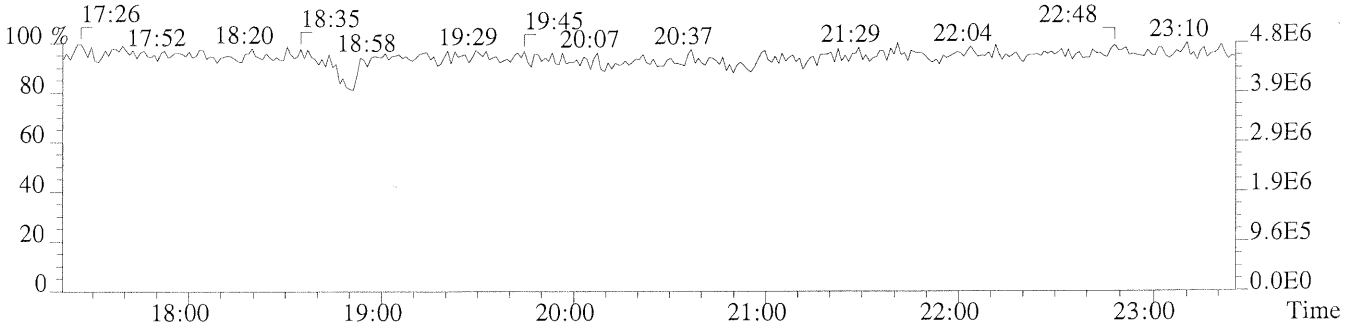
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1796.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,884.0,1.00%,F,T)

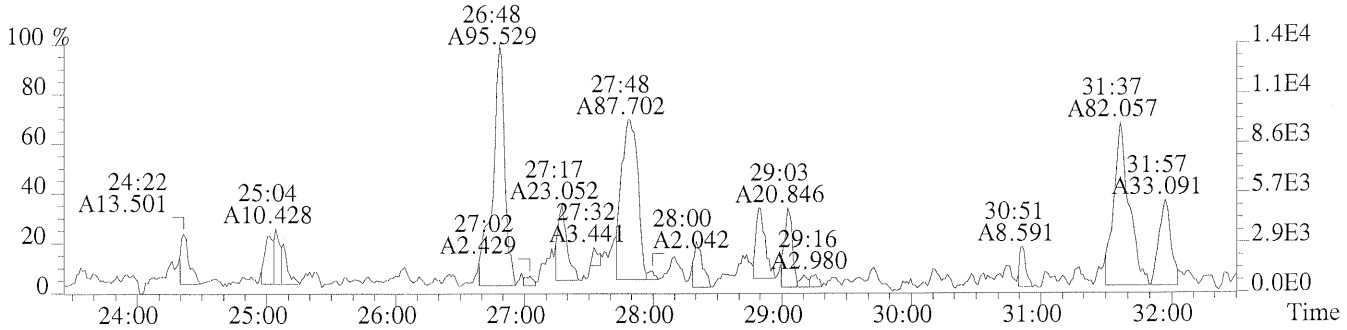


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

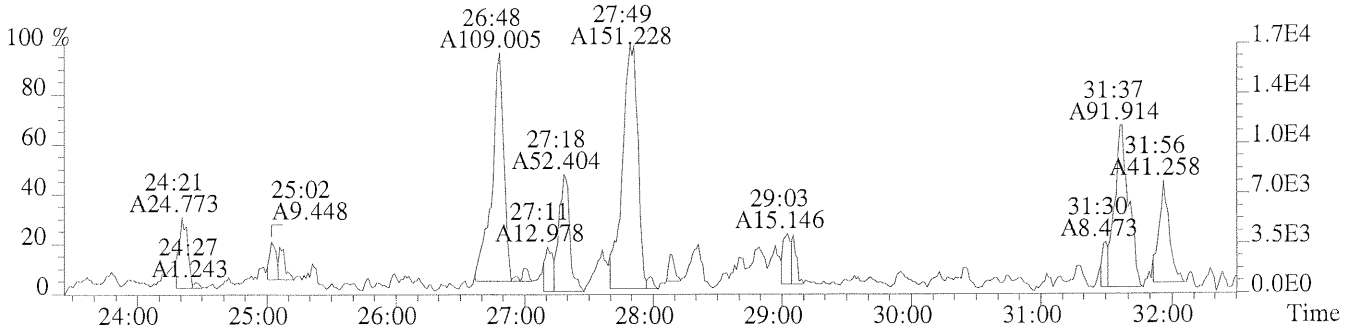


File:U142167 #1-580 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

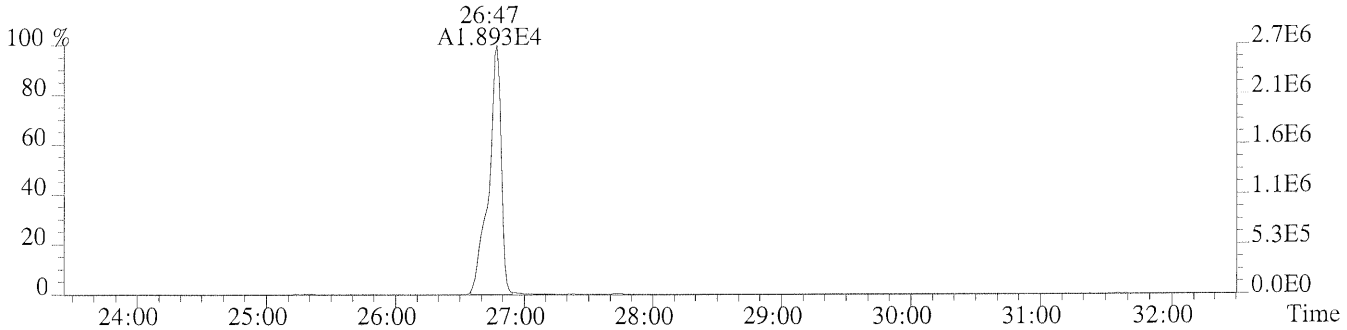
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



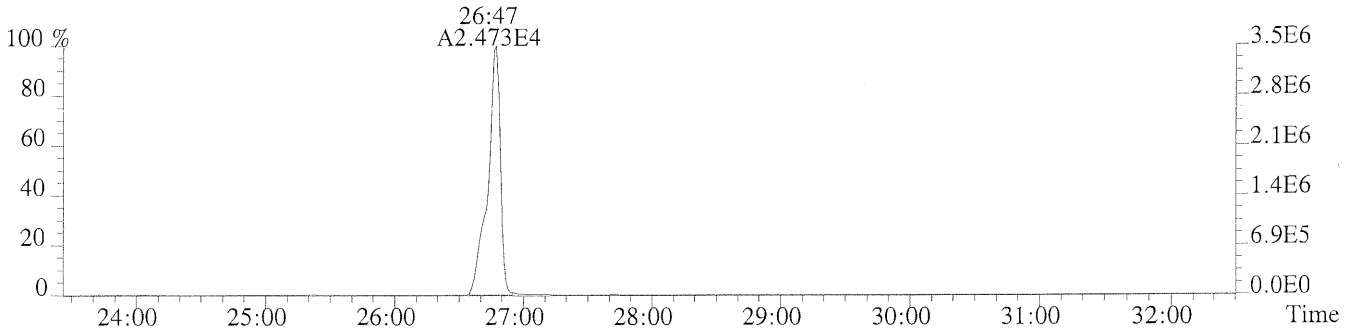
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1104.0,1.00%,F,T)



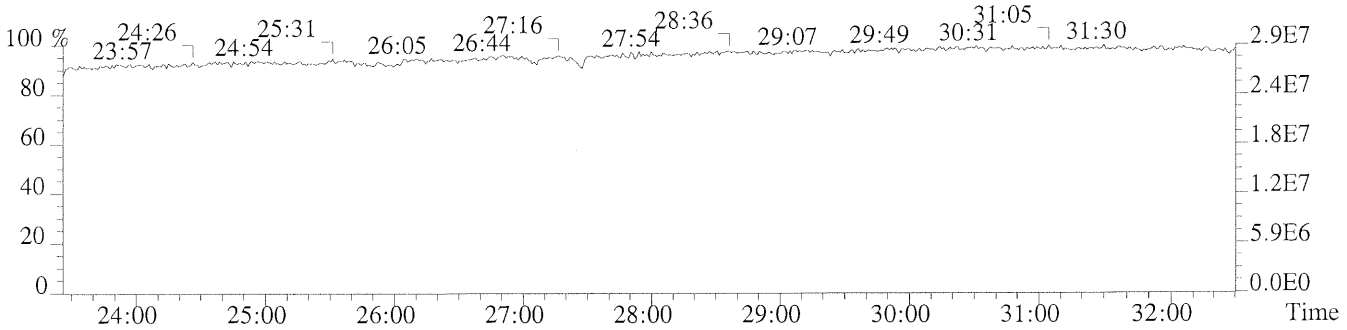
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1760.0,1.00%,F,T)



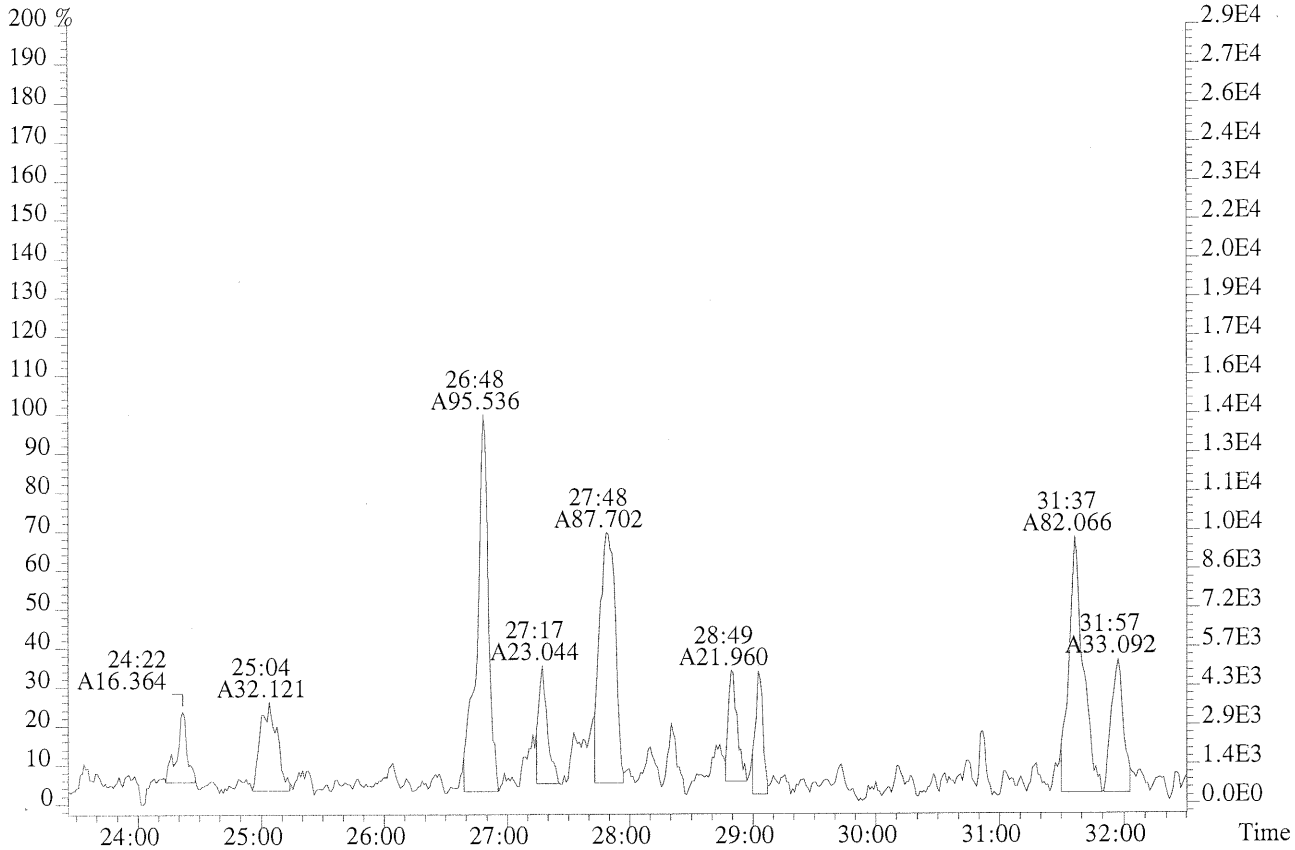
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1204.0,1.00%,F,T)



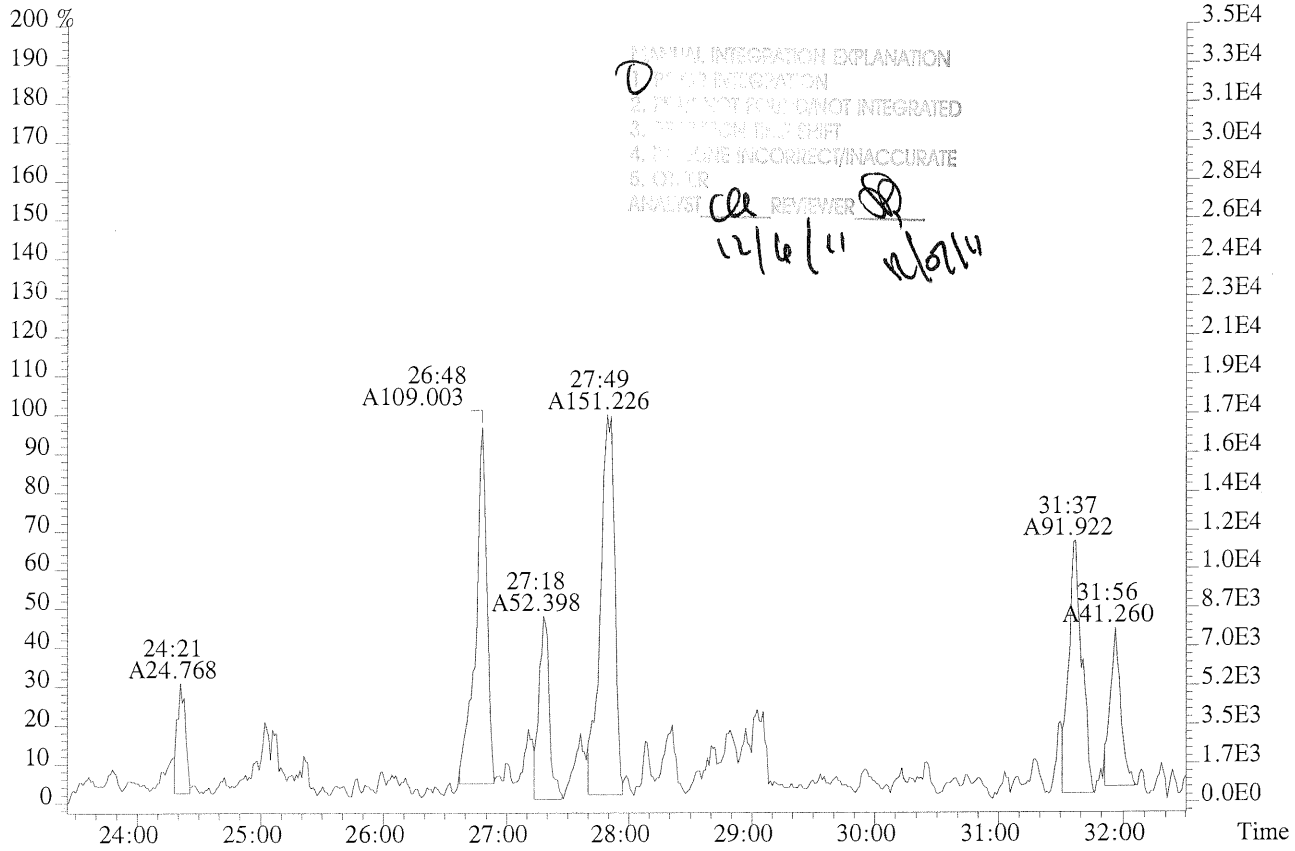
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



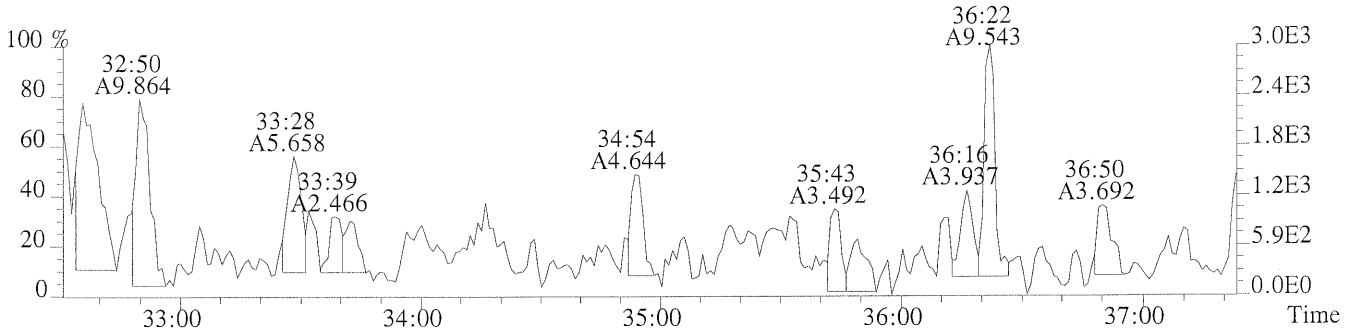
File:U142167 #1-580 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-003 KC91-156U
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0)



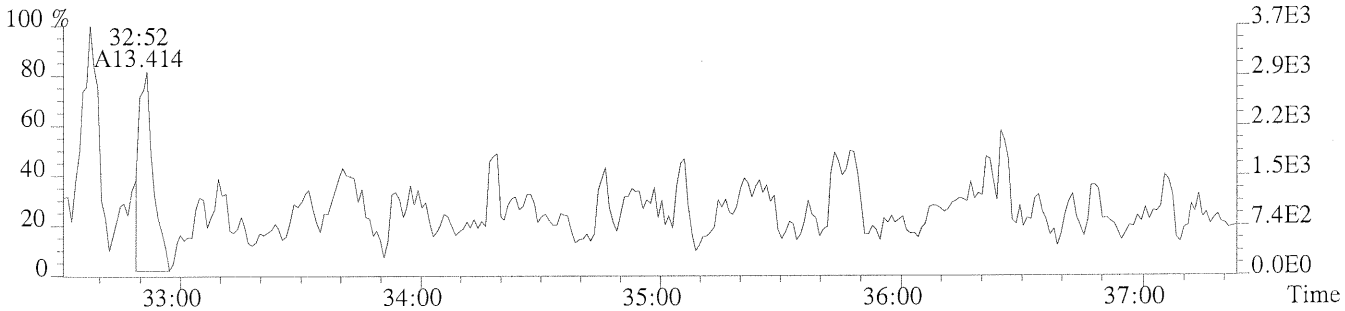
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0)



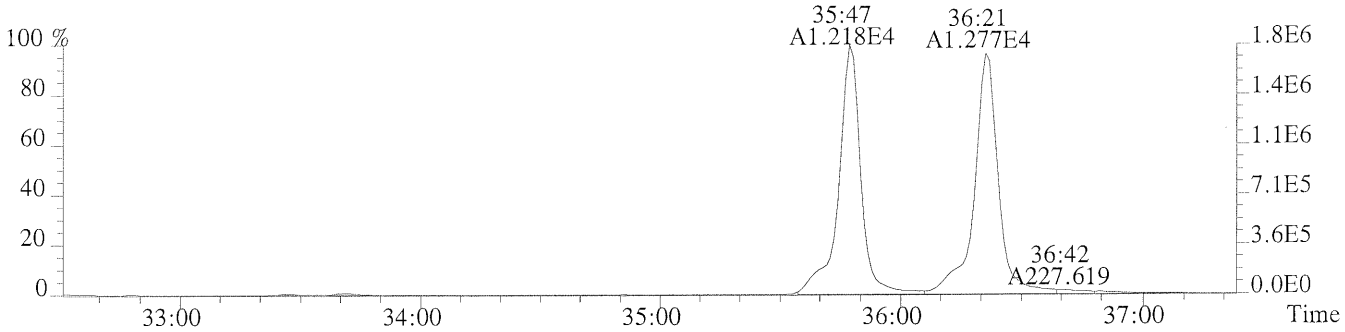
File:U142167 #1-312 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,504.0,1.00%,F,T)



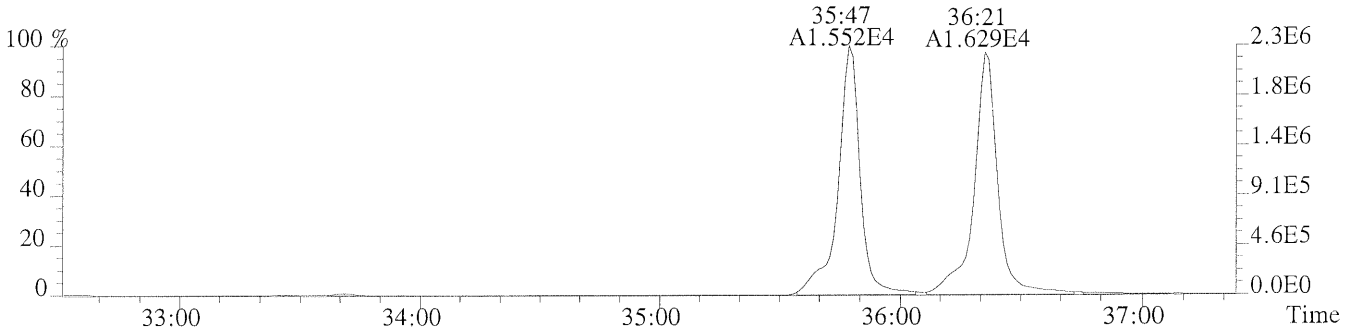
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1152.0,1.00%,F,T)



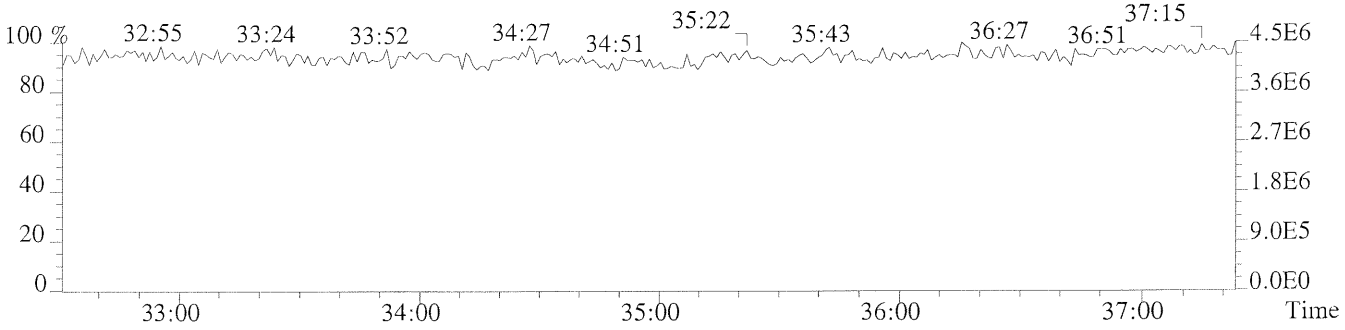
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1716.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1168.0,1.00%,F,T)

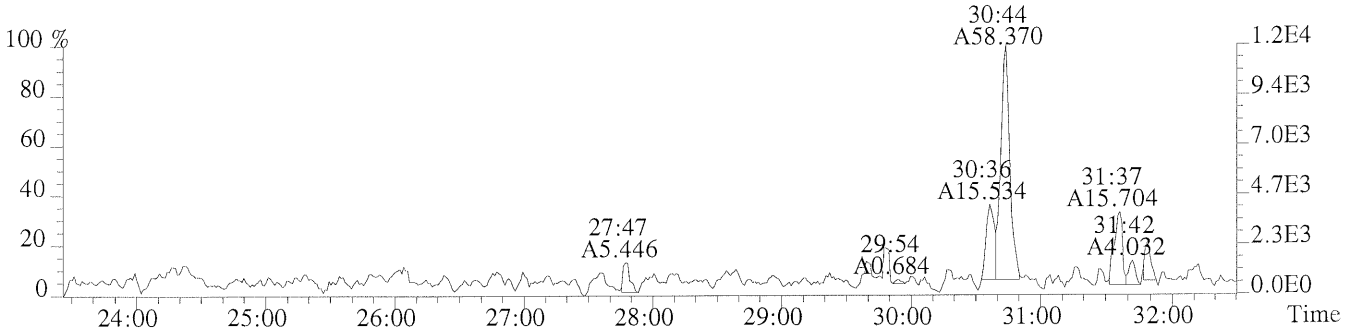


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

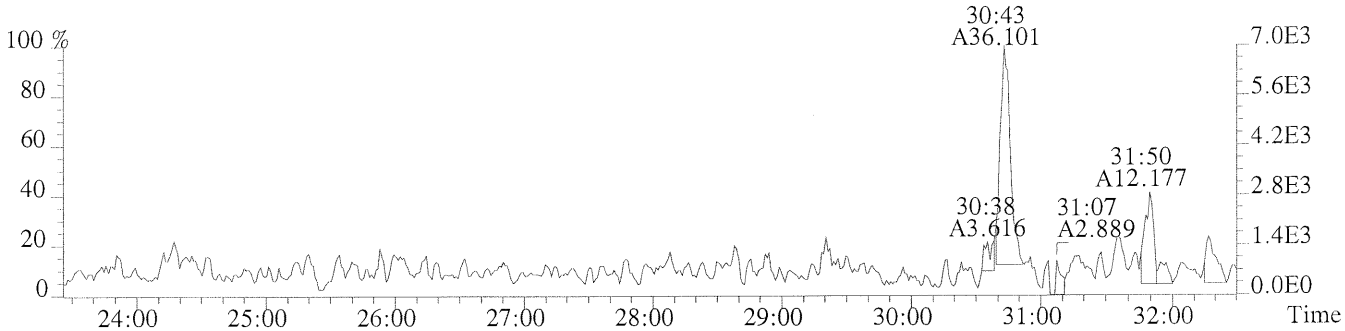


File:U142167 #1-580 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

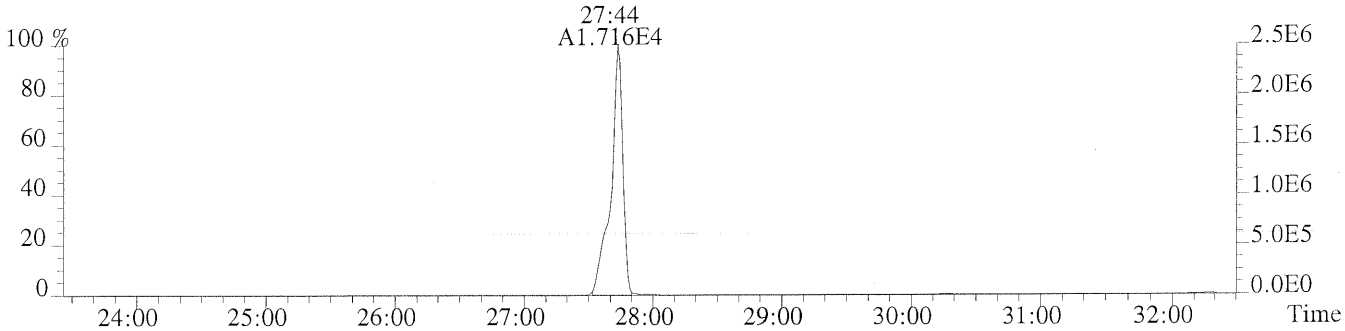
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



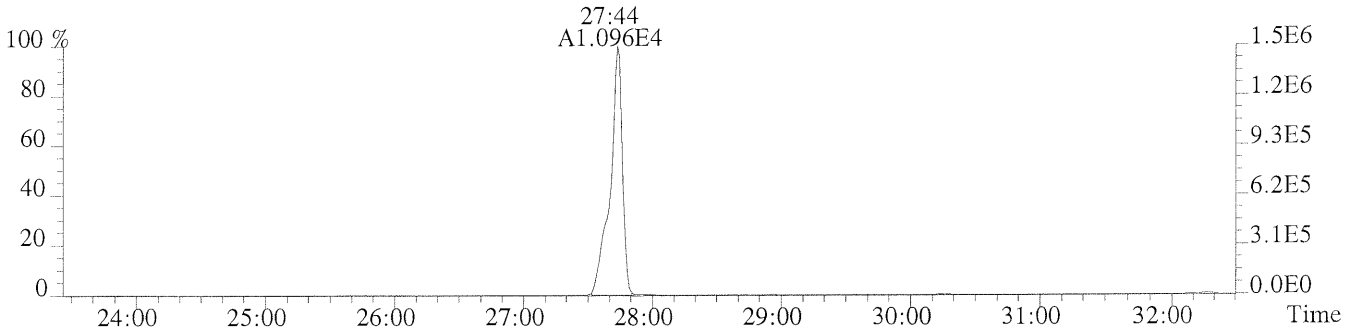
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,892.0,1.00%,F,T)



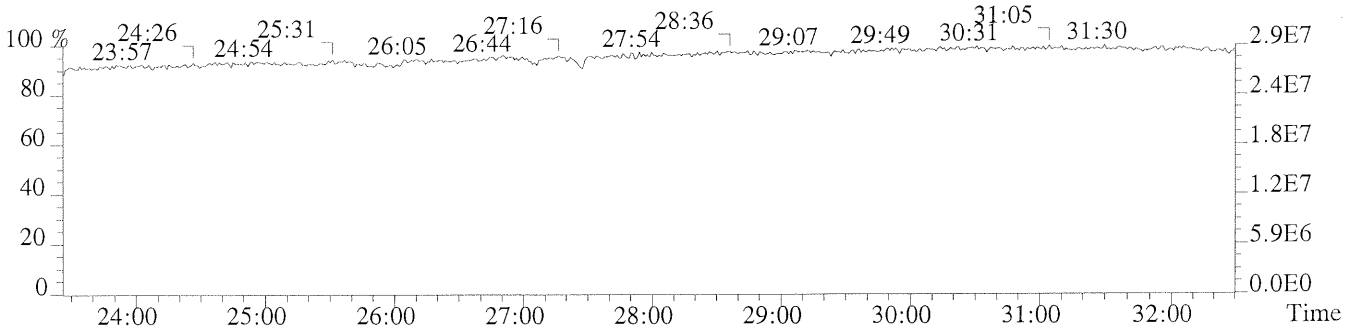
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



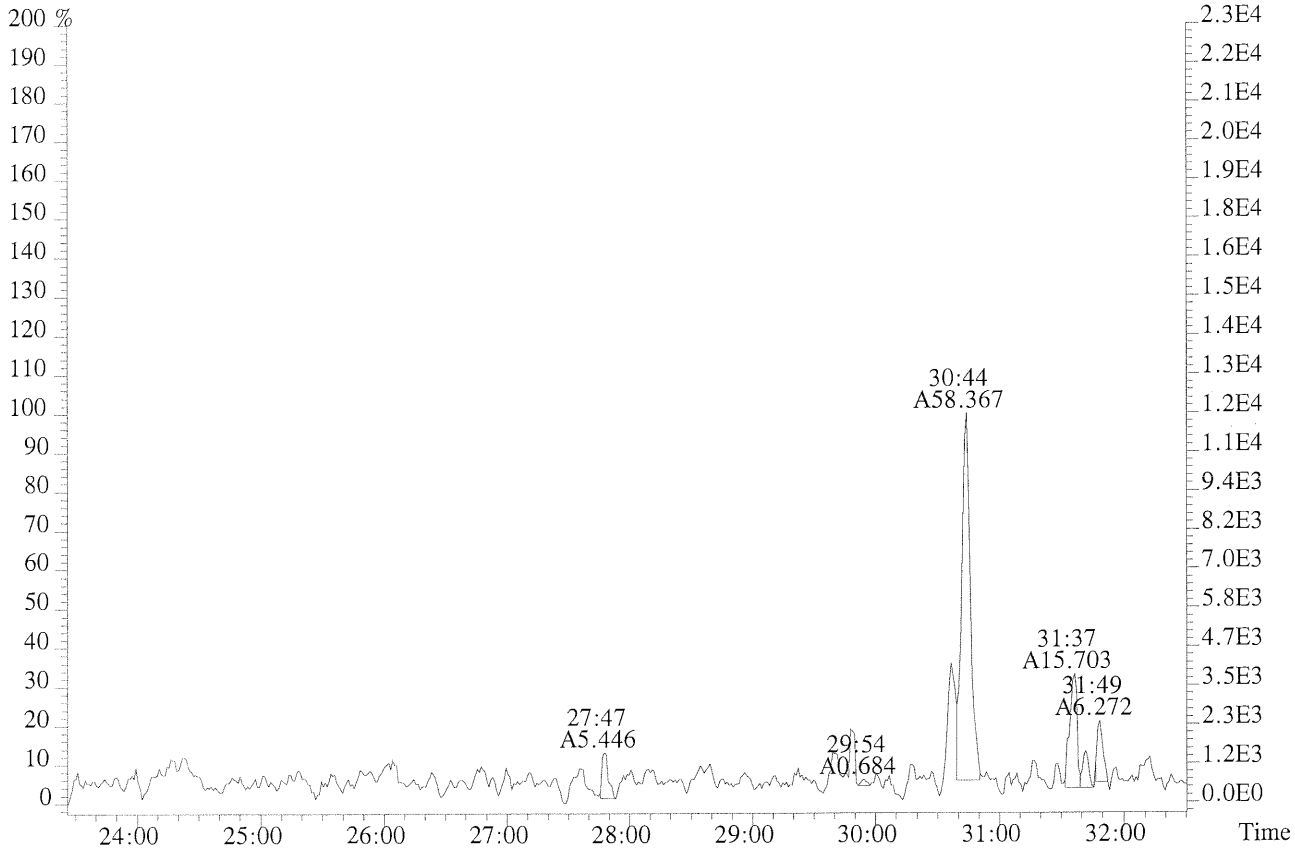
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1080.0,1.00%,F,T)



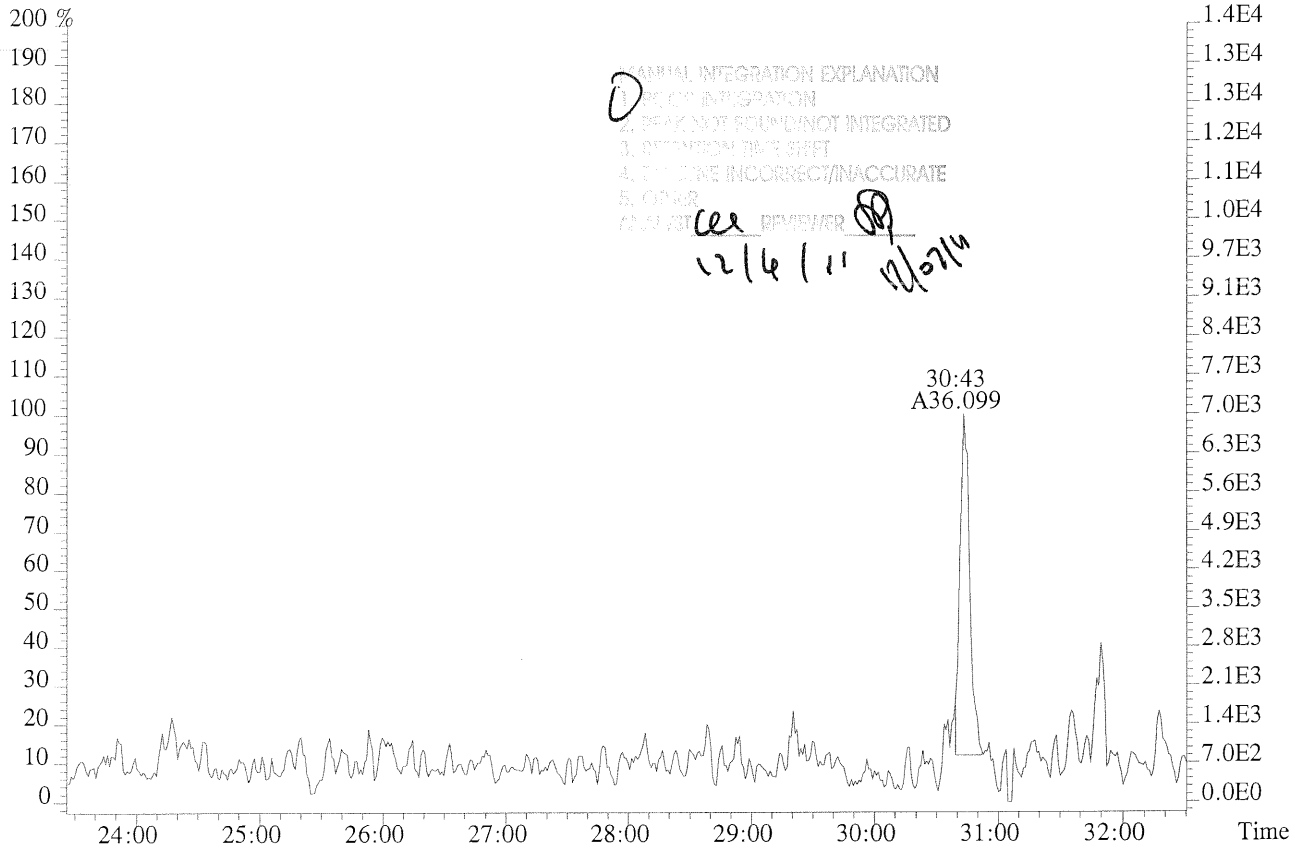
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142167 #1-580 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-003 KC91-156U
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



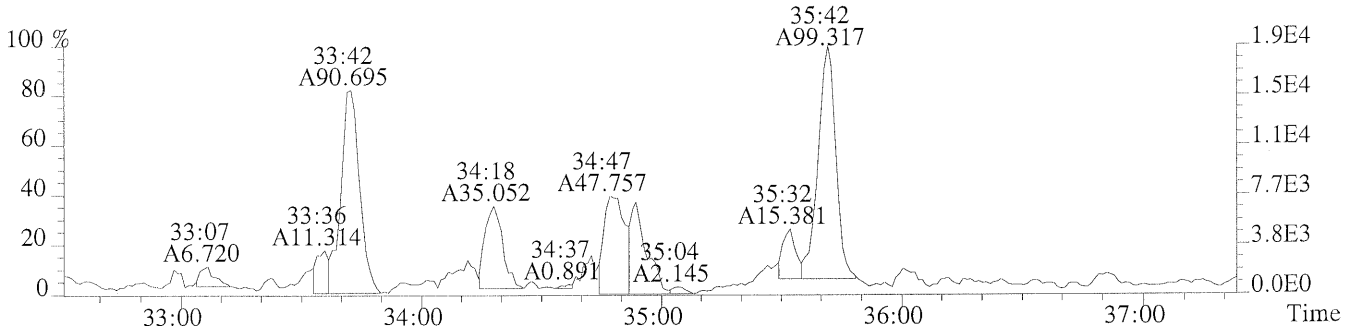
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0)



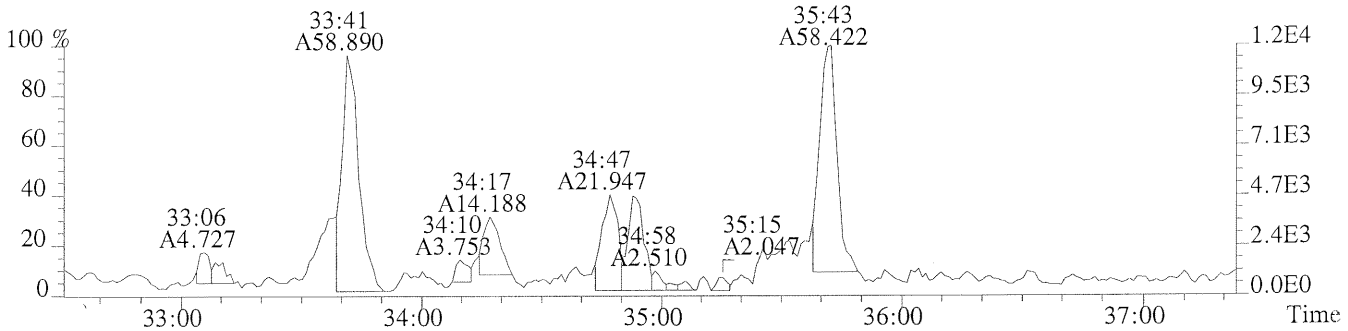
MANUAL INTEGRATION EXPLANATION
1. PEAK NOT FOUND/NOT INTEGRATED
4. RT TIME INCORRECT/INACCURATE
12/6/11

File:U142167 #1-312 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

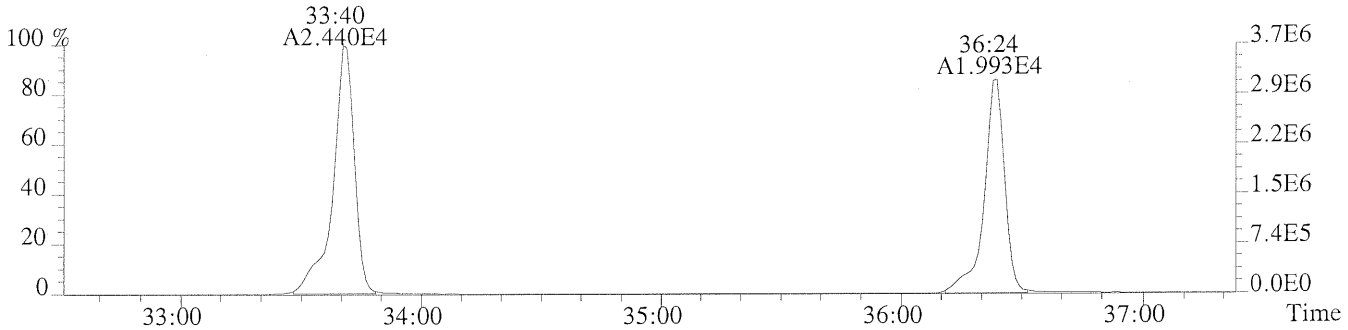
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1028.0,1.00%,F,T)



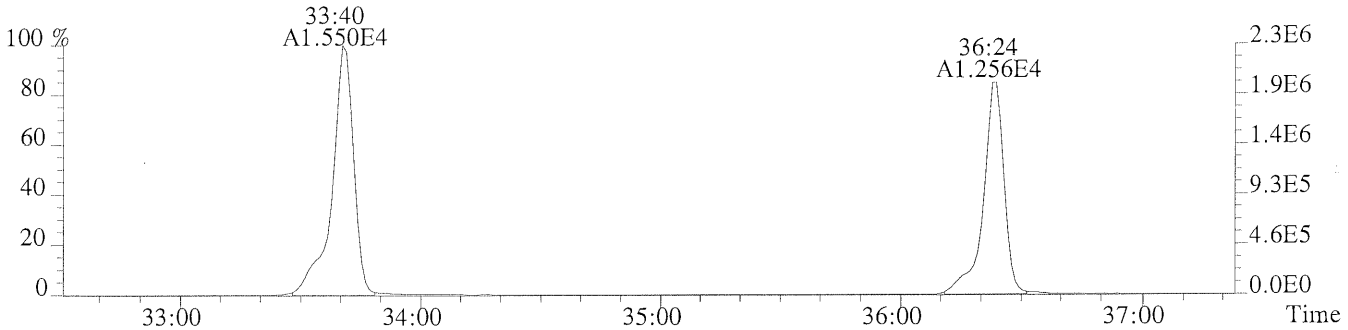
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1024.0,1.00%,F,T)



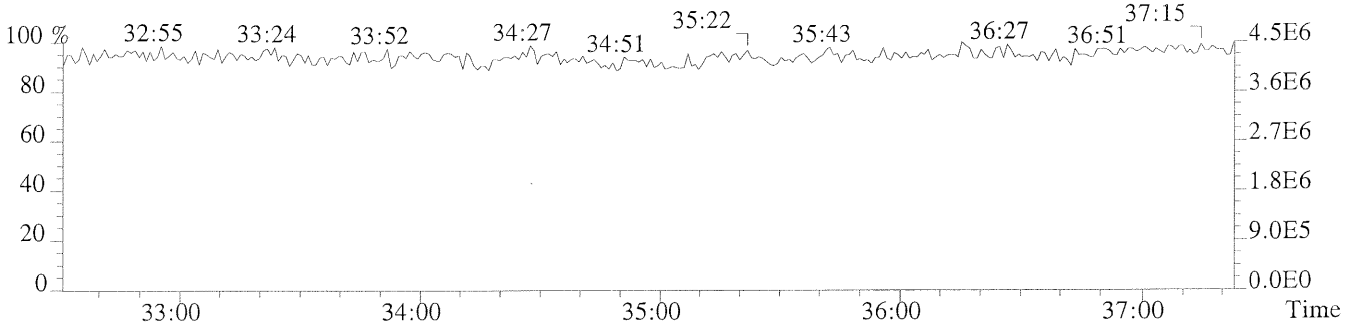
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)



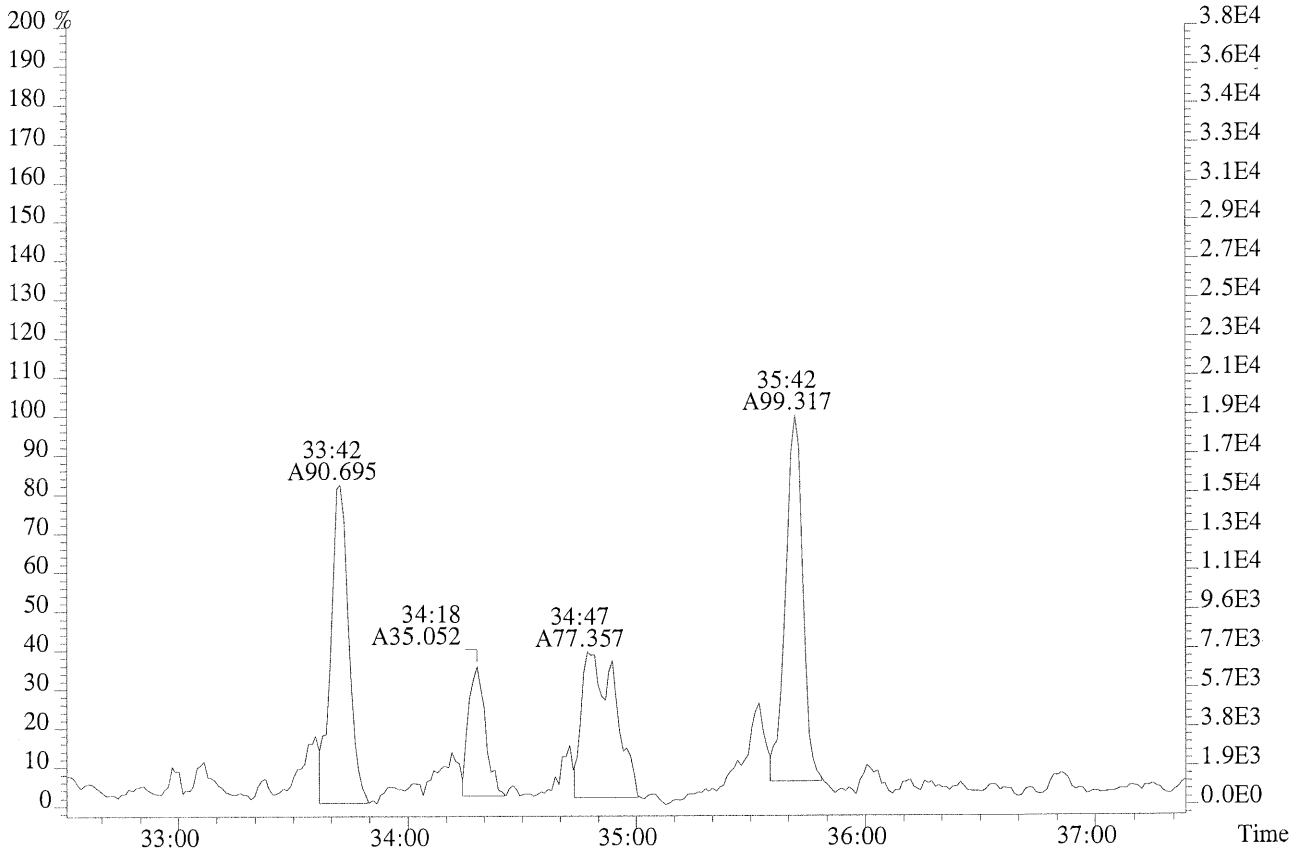
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,892.0,1.00%,F,T)



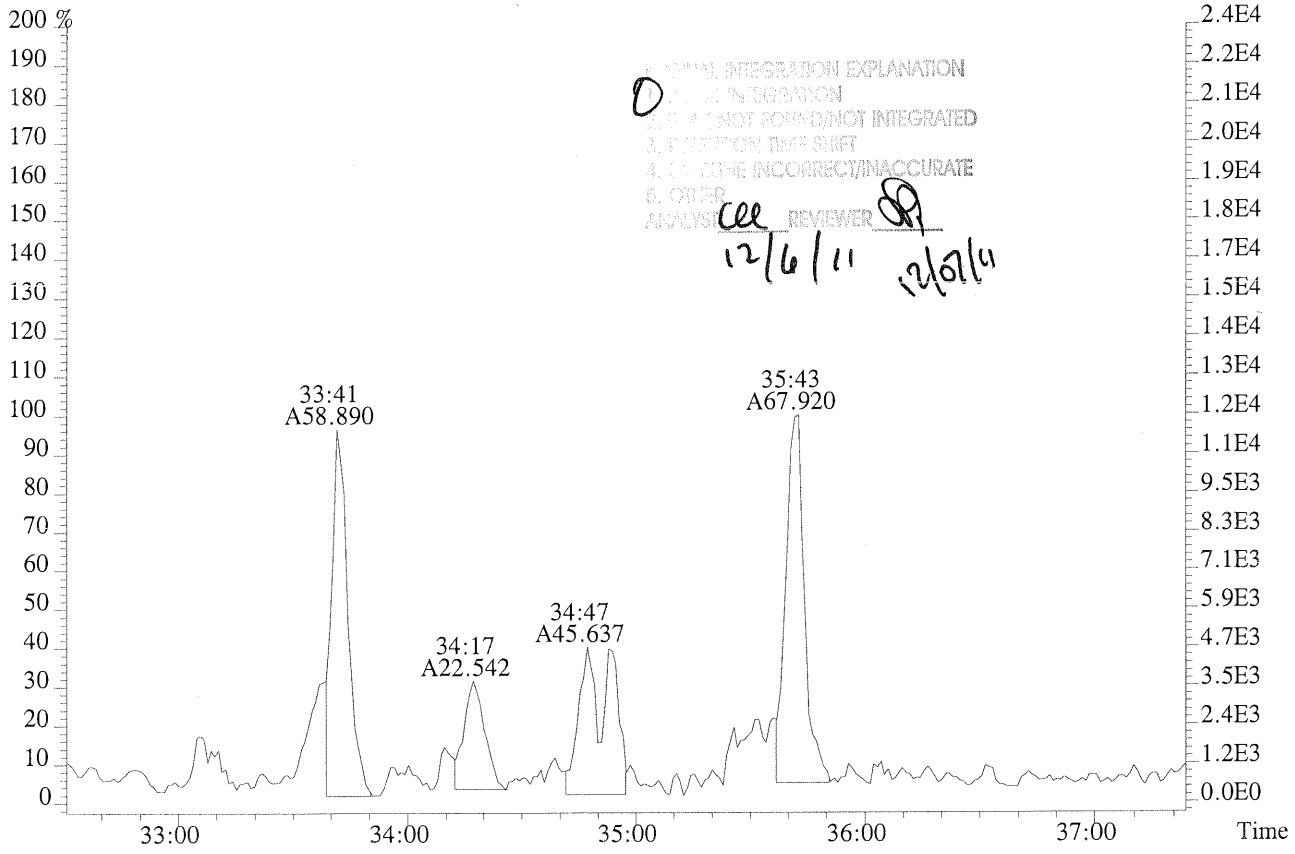
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142167 #1-312 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-003 KC91-156U
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1028.0,1.00%,F,T)



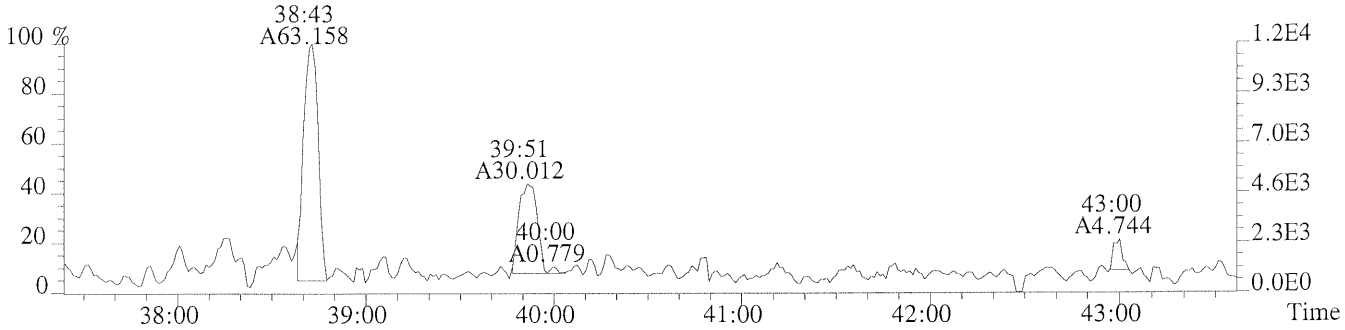
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1024.0,1.00%,F,T)



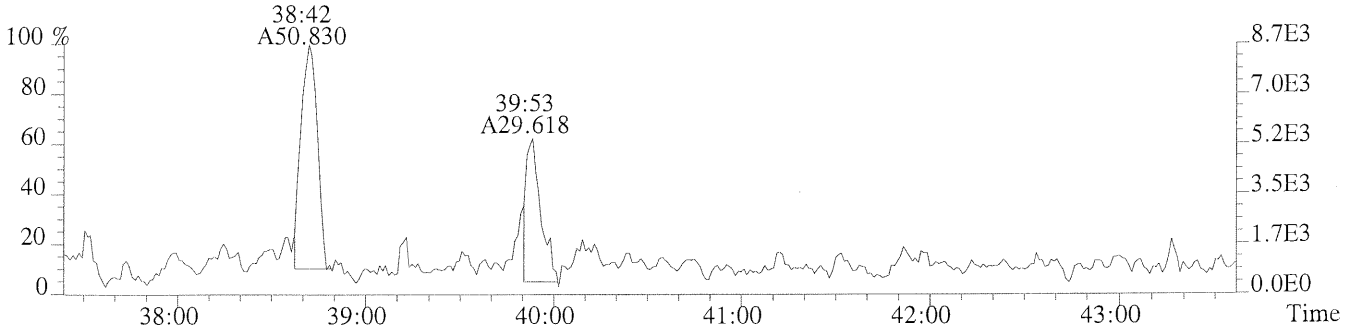
MANUAL INTEGRATION EXPLANATION
1. MANUAL INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. PEAK INCORRECT/INACCURATE
5. OTHER
ANALYST CEE REVIEWER
12/6/11 12/07/11

File:U142167 #1-398 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

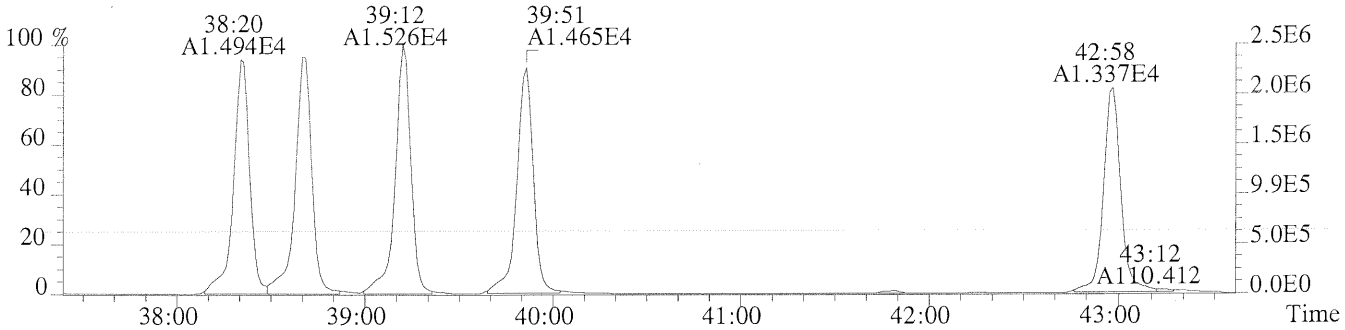
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1220.0,1.00%,F,T)



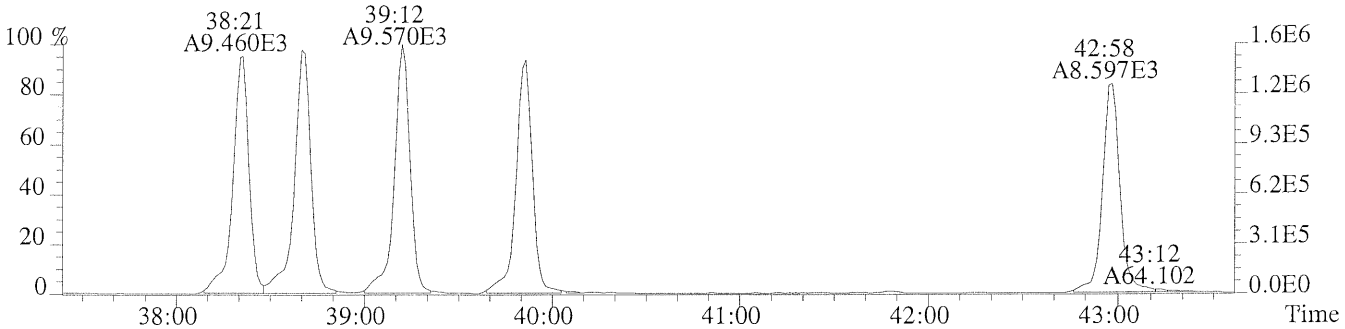
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1304.0,1.00%,F,T)



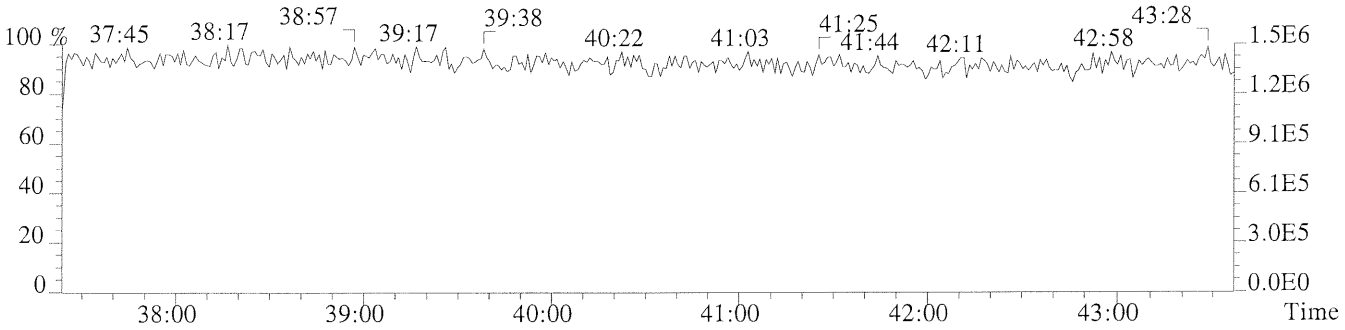
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7620.0,1.00%,F,T)



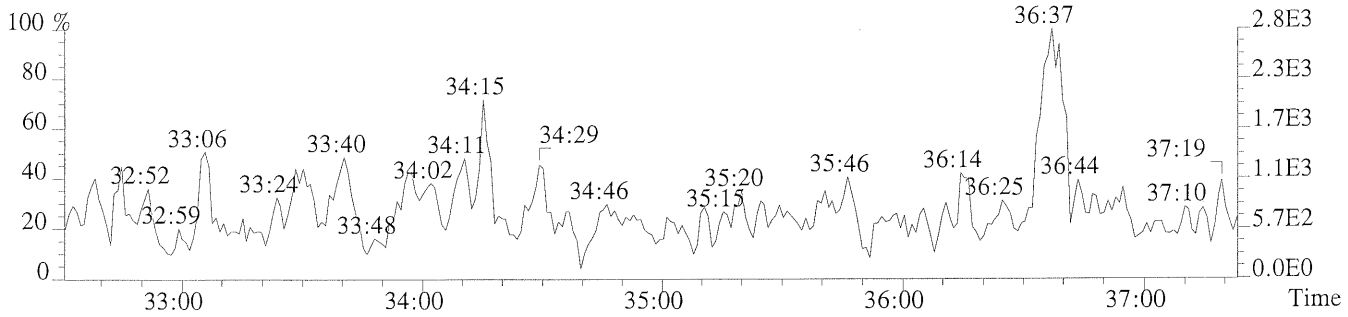
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7376.0,1.00%,F,T)



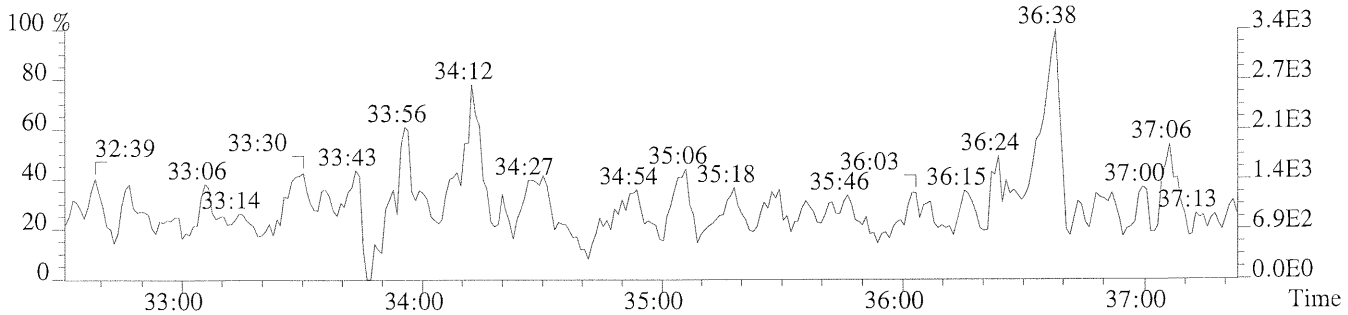
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



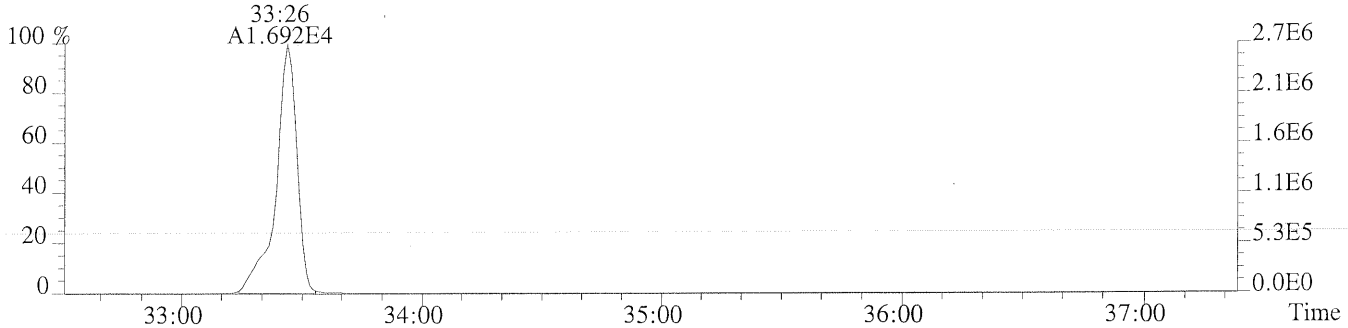
File:U142167 #1-312 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



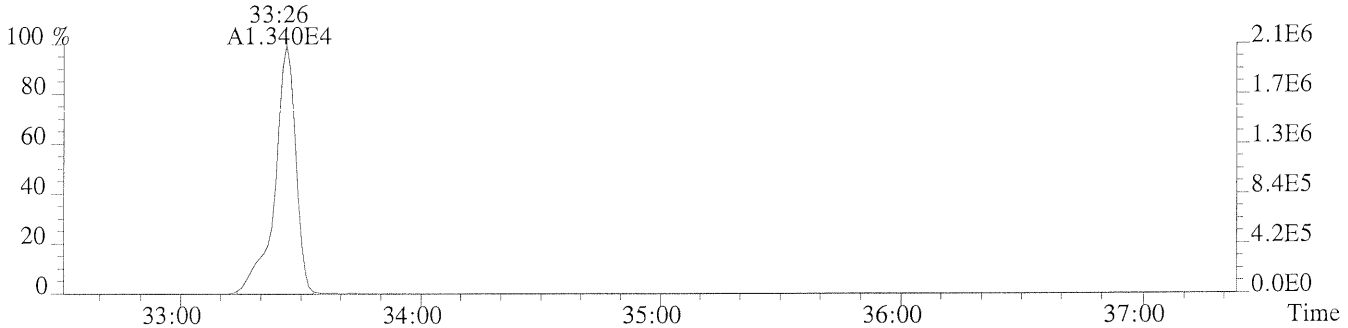
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)



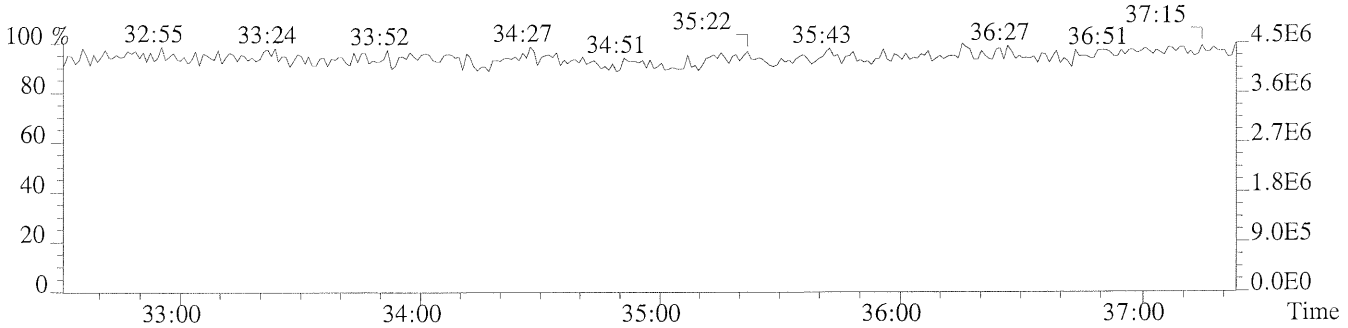
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1324.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1064.0,1.00%,F,T)

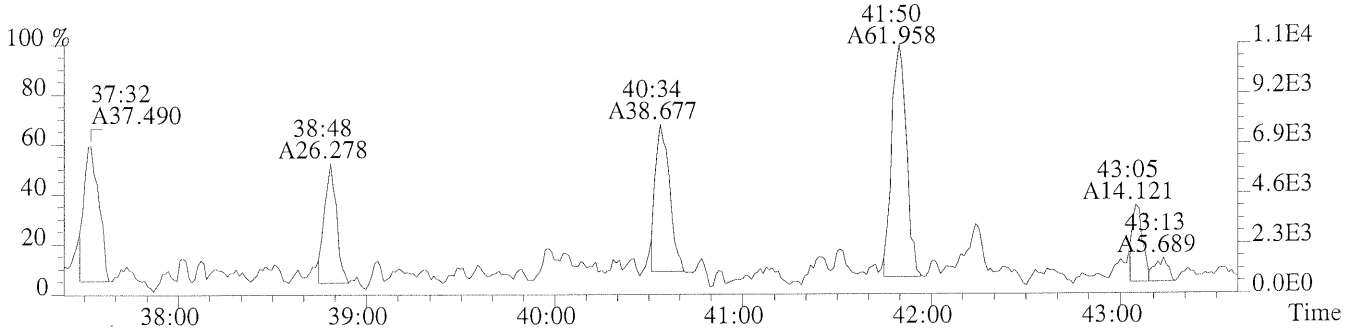


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

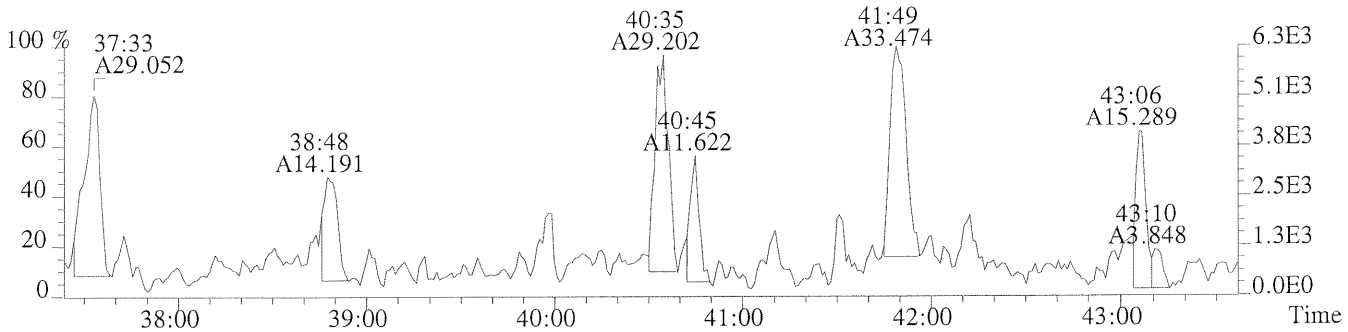


File:U142167 #1-398 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

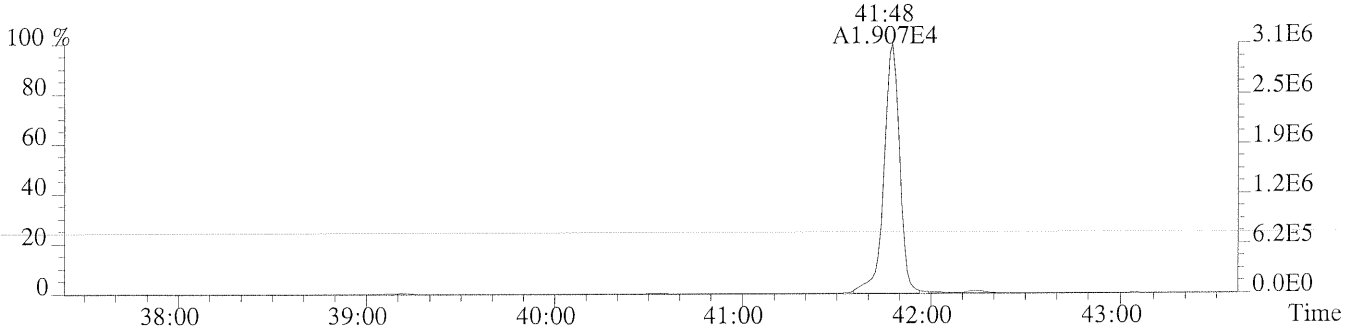
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1244.0,1.00%,F,T)



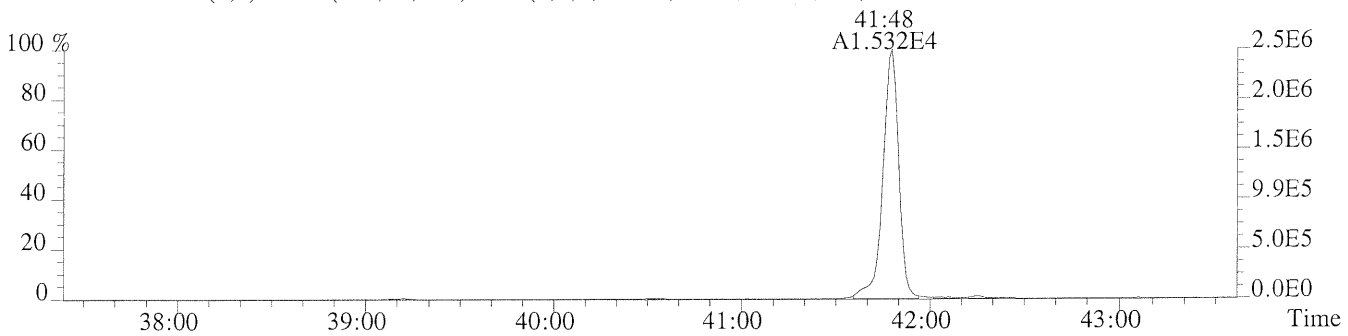
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)



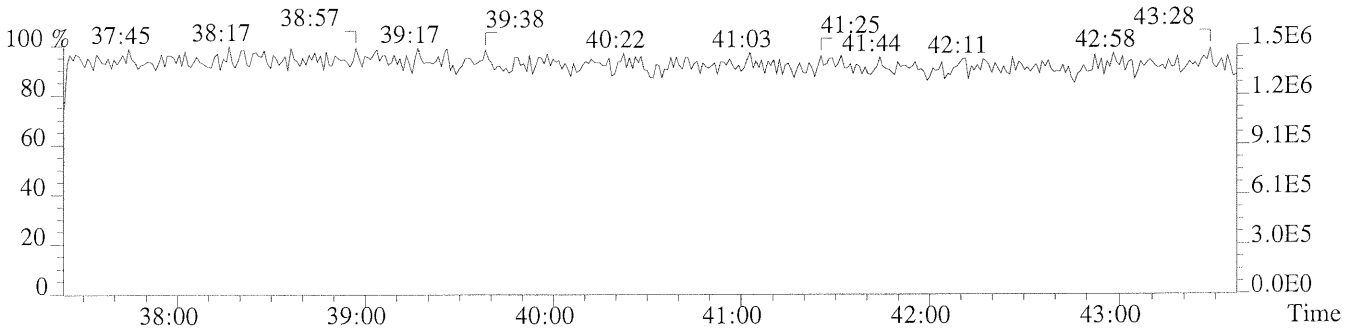
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1016.0,1.00%,F,T)



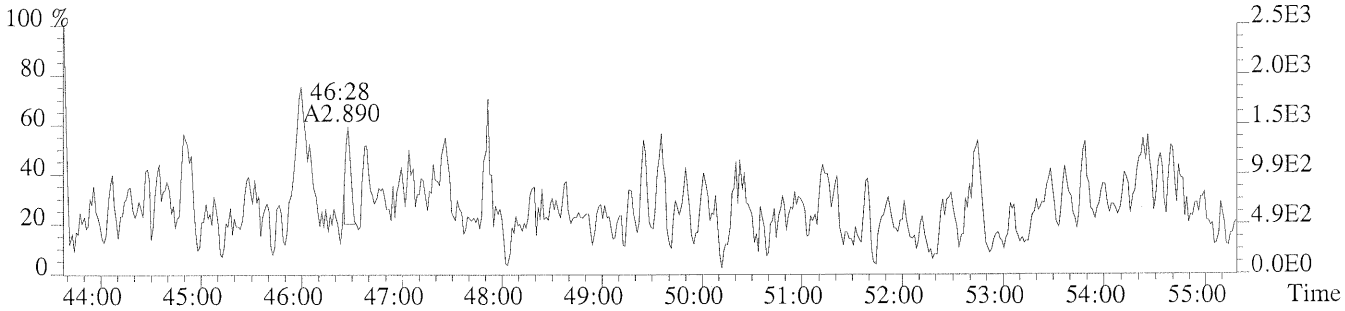
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



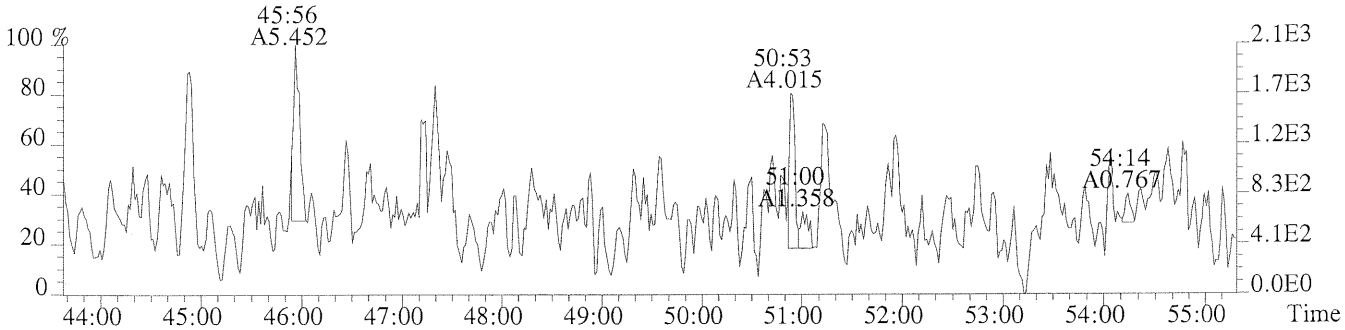
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



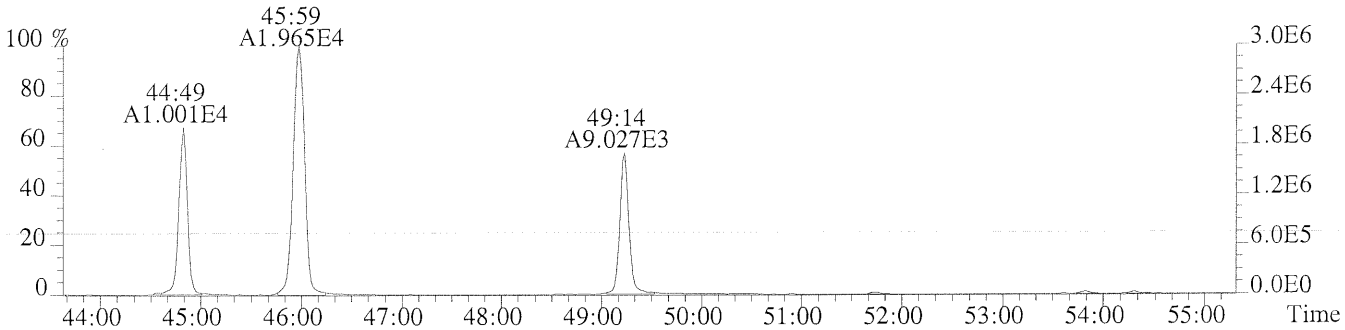
File:U142167 #1-579 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,784.0,1.00%,F,T)



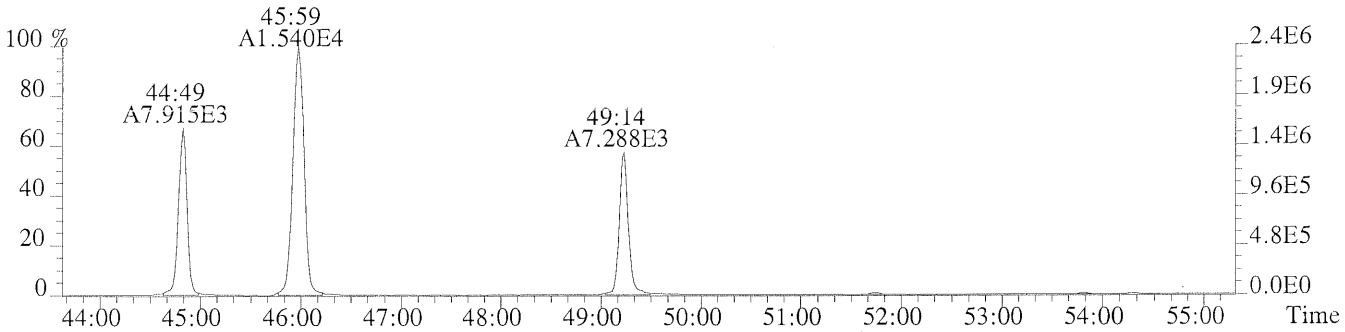
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,788.0,1.00%,F,T)



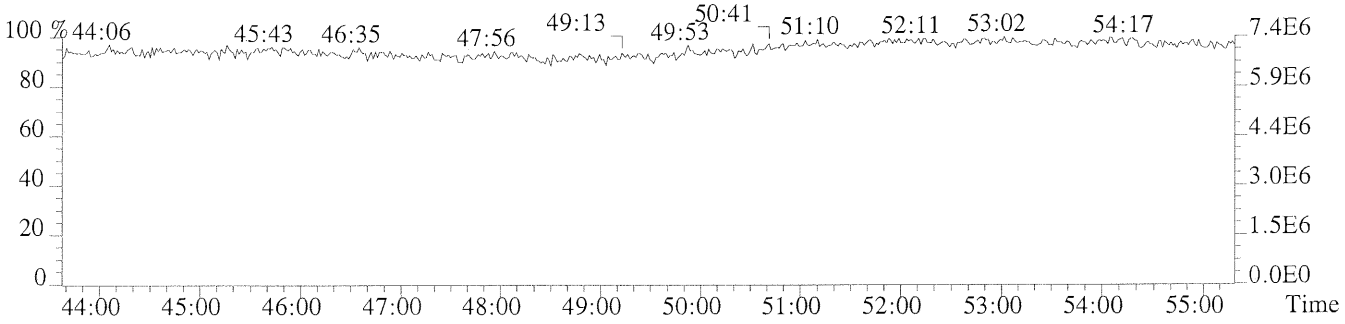
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4124.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5296.0,1.00%,F,T)

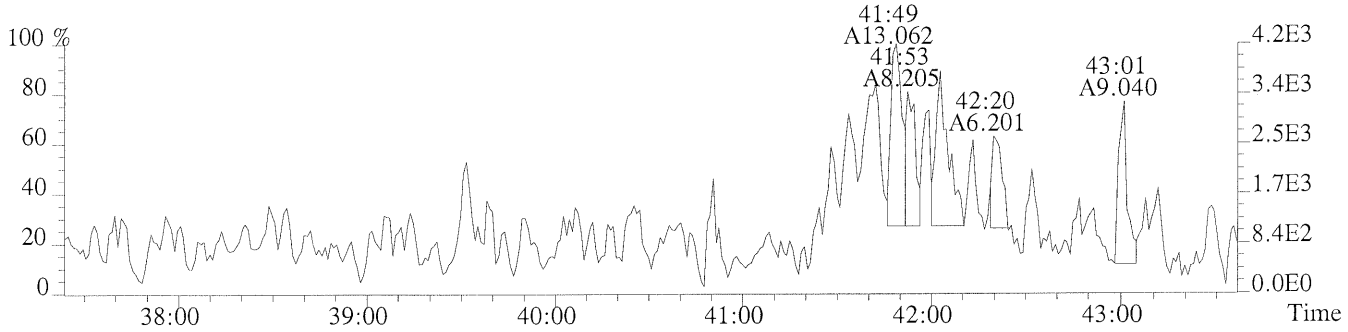


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

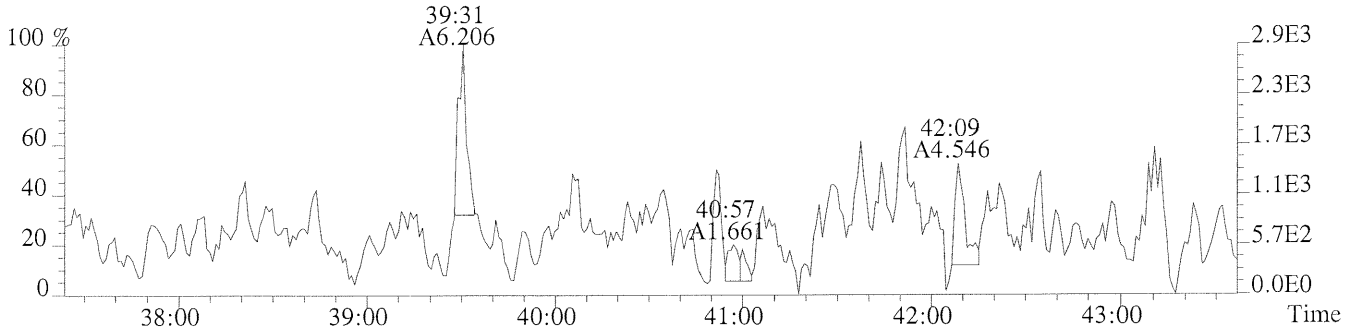


File:U142167 #1-398 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

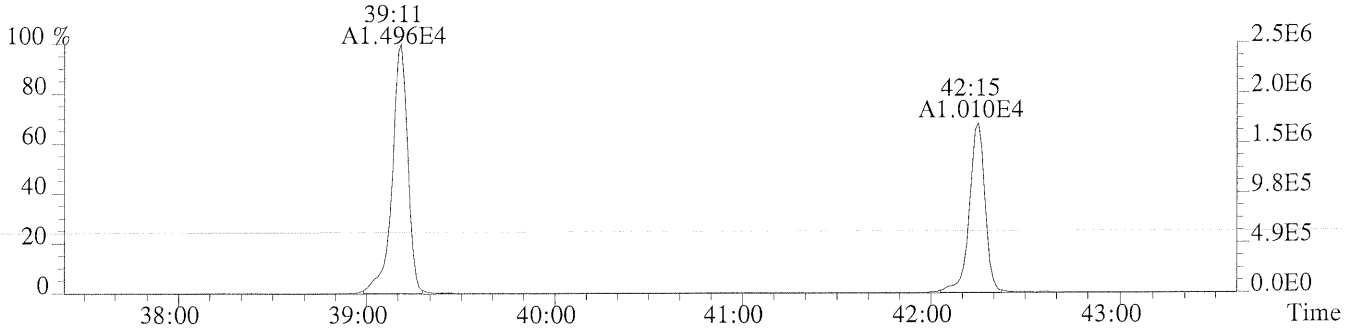
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1116.0,1.00%,F,T)



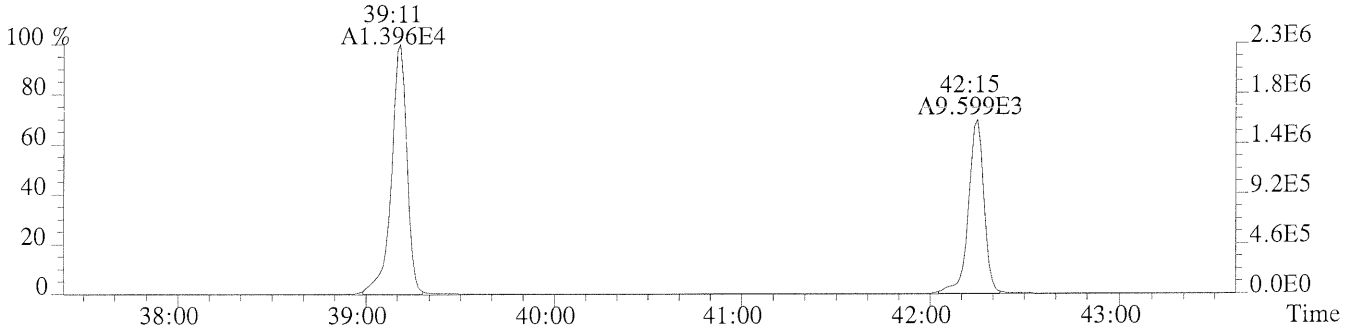
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



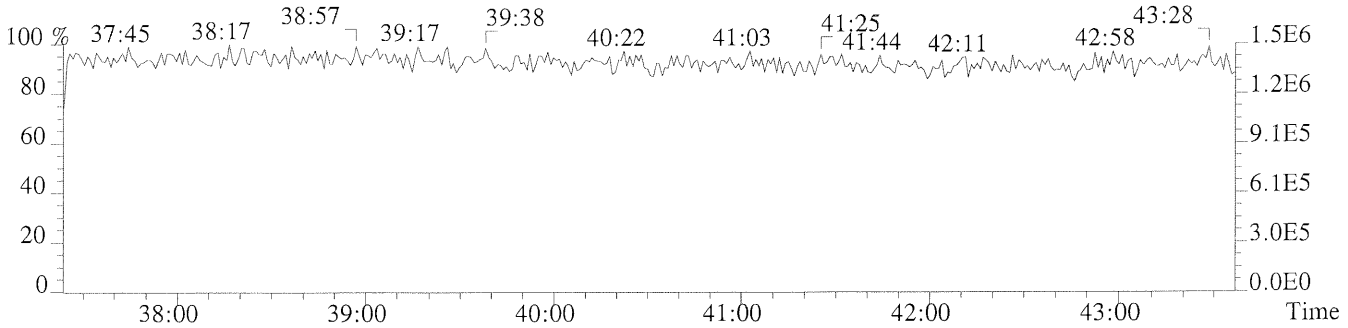
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2128.0,1.00%,F,T)



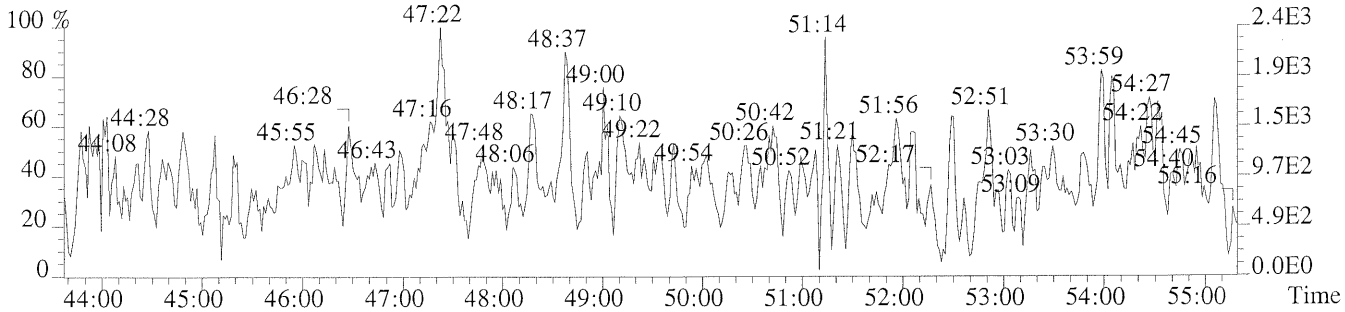
407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1080.0,1.00%,F,T)



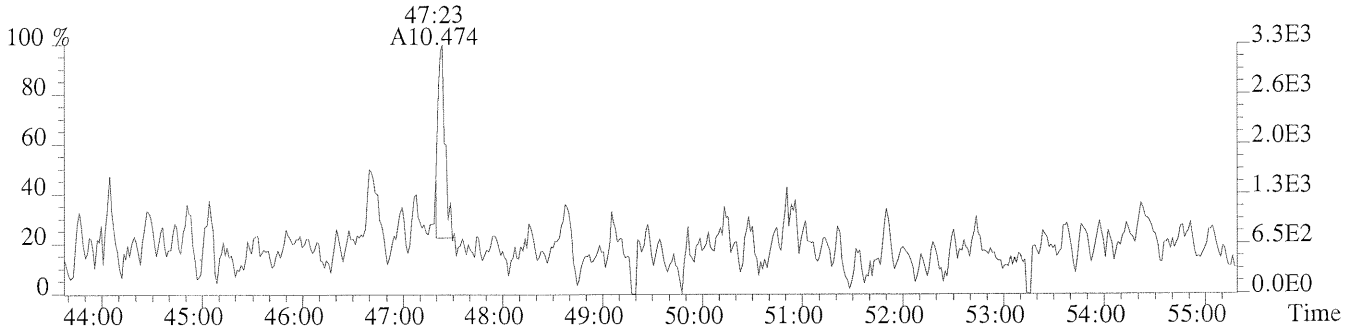
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



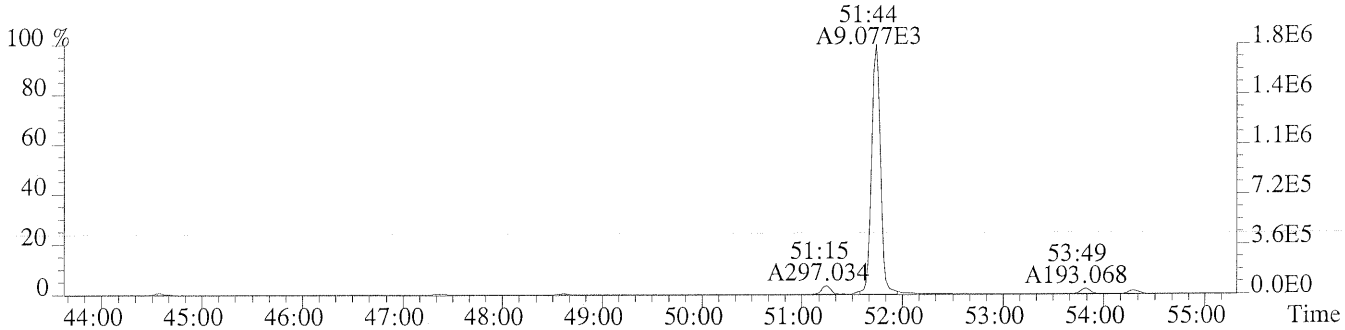
File:U142167 #1-579 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1172.0,1.00%,F,T)



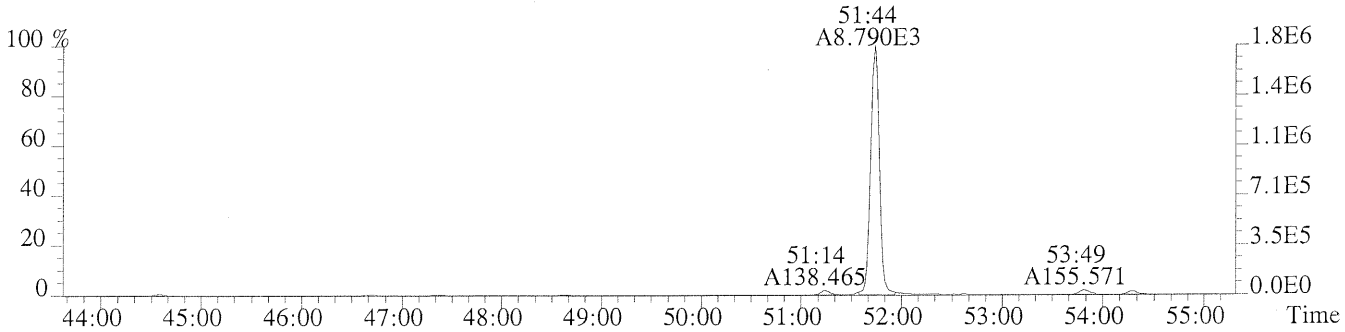
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,788.0,1.00%,F,T)



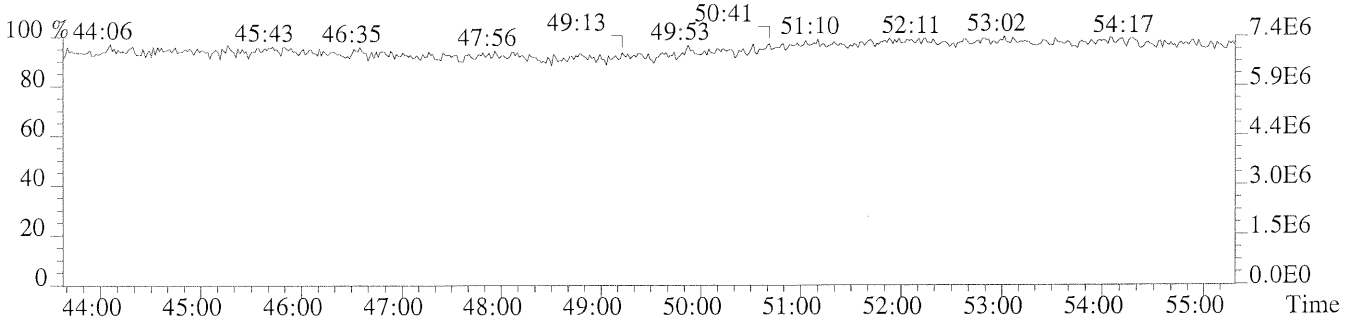
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1252.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)

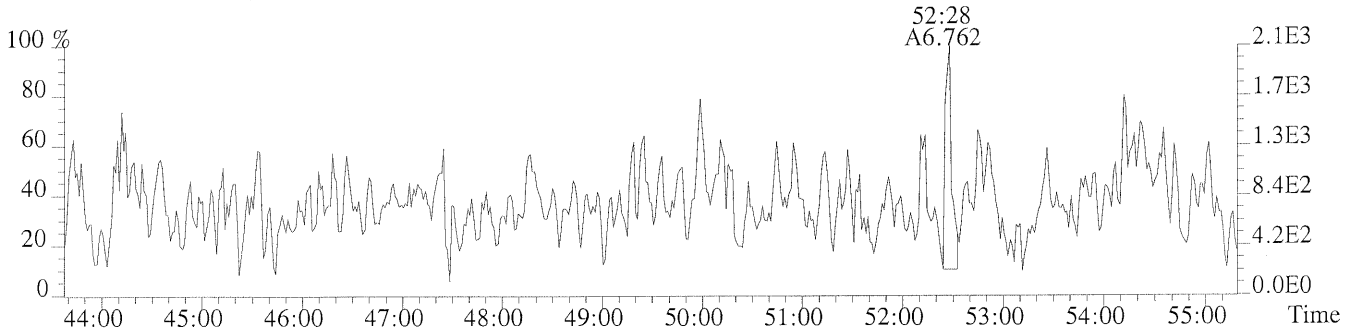


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

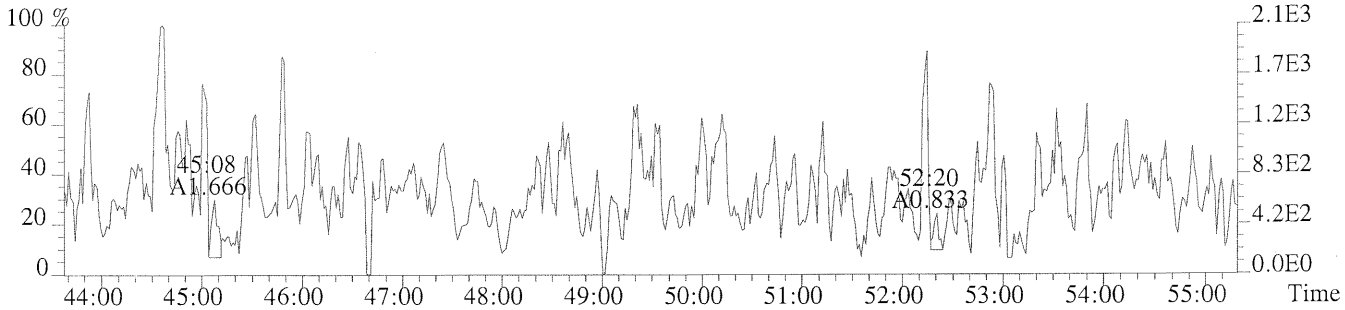


File:U142167 #1-579 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U

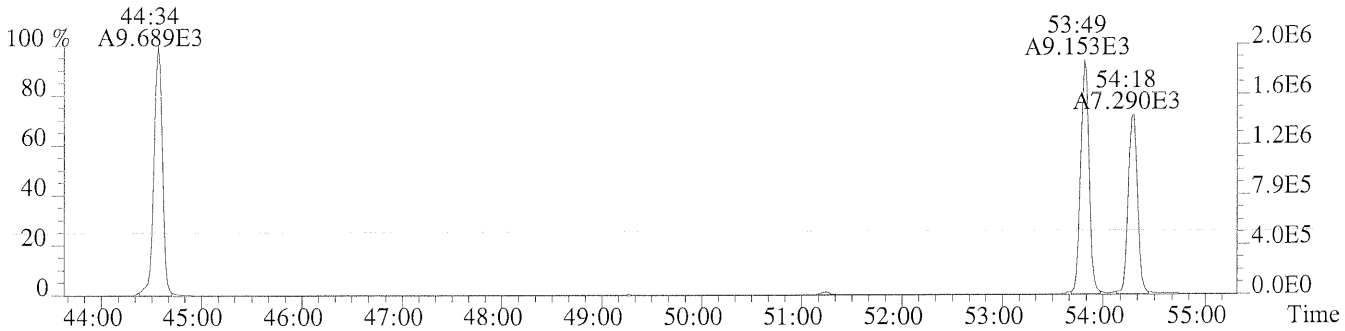
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)



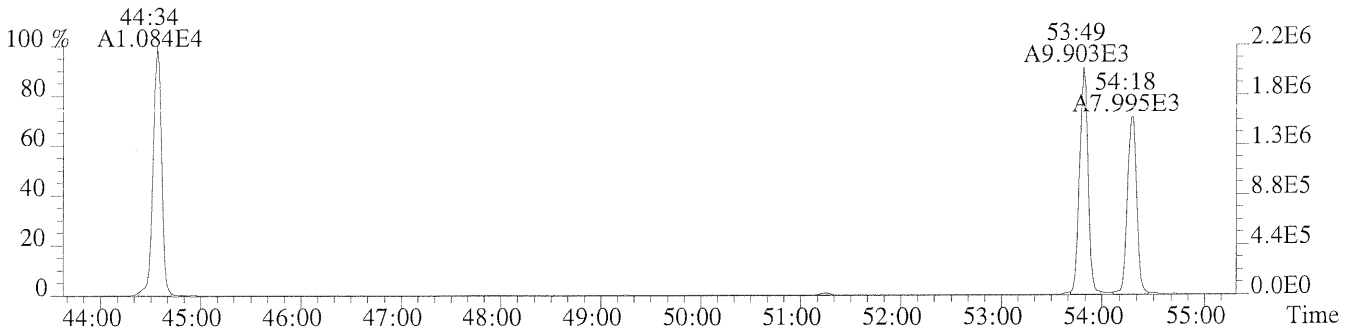
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)



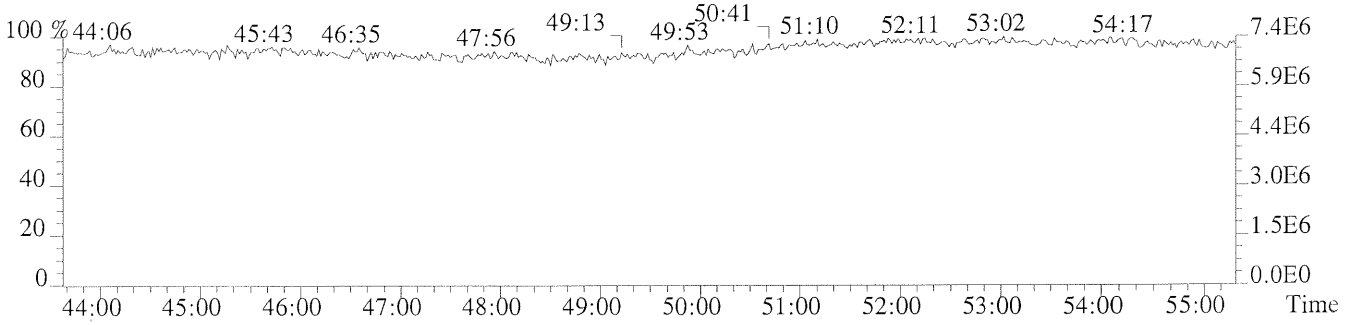
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



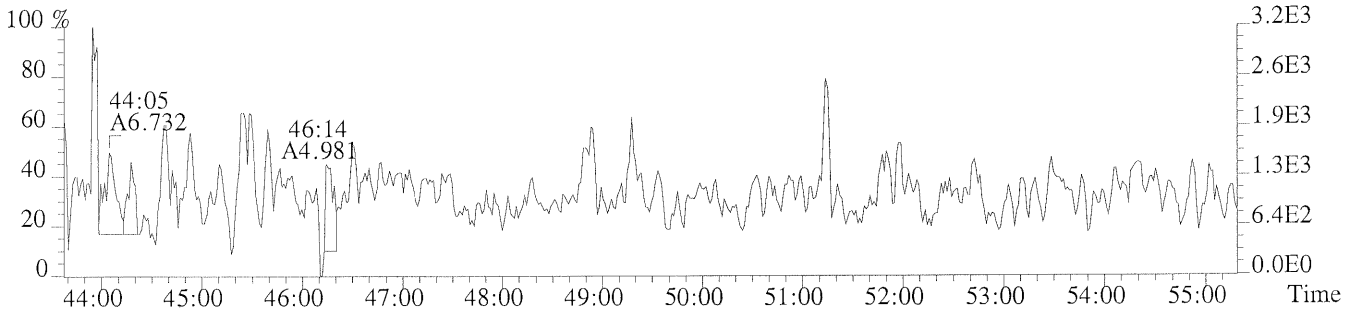
441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,744.0,1.00%,F,T)



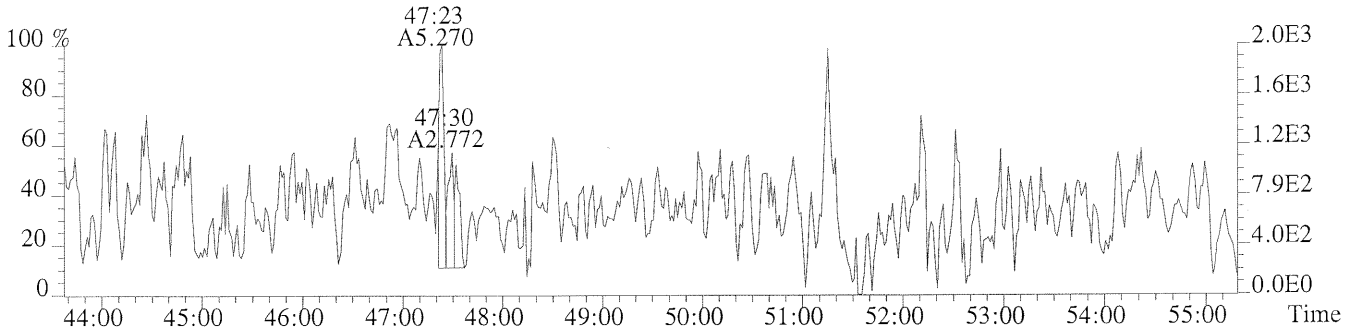
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



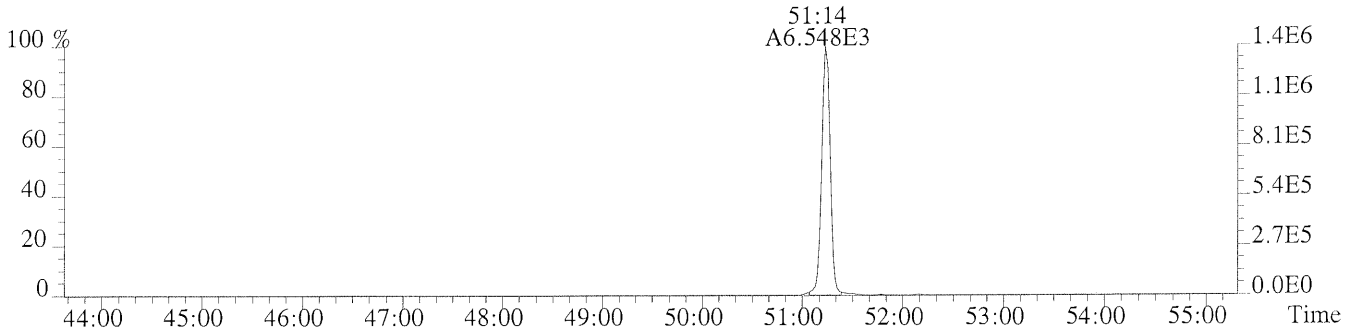
File:U142167 #1-579 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1376.0,1.00%,F,T)



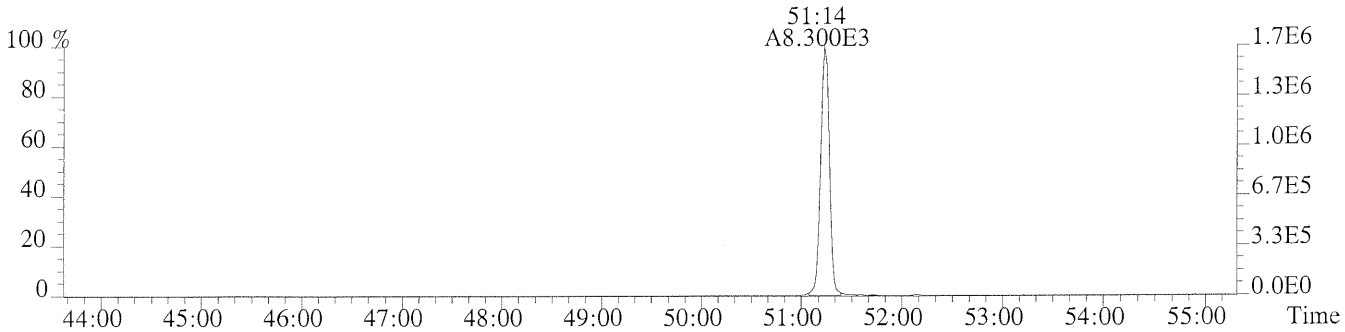
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,852.0,1.00%,F,T)



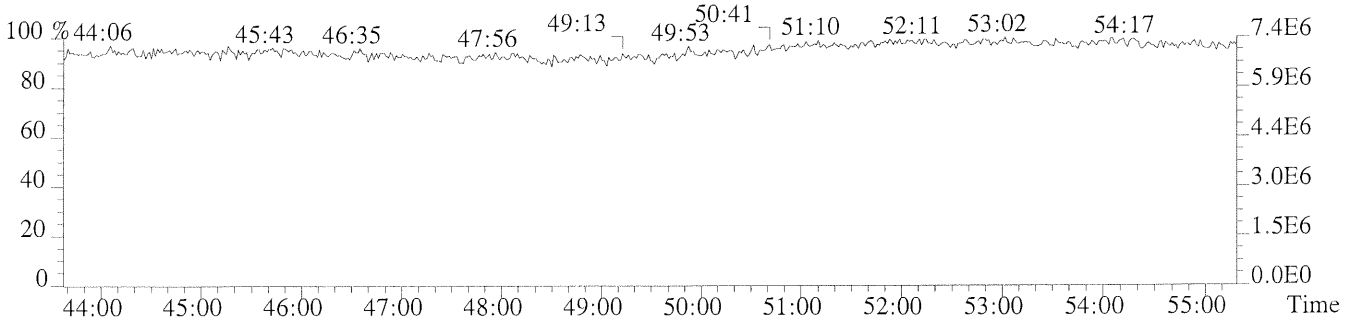
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,736.0,1.00%,F,T)



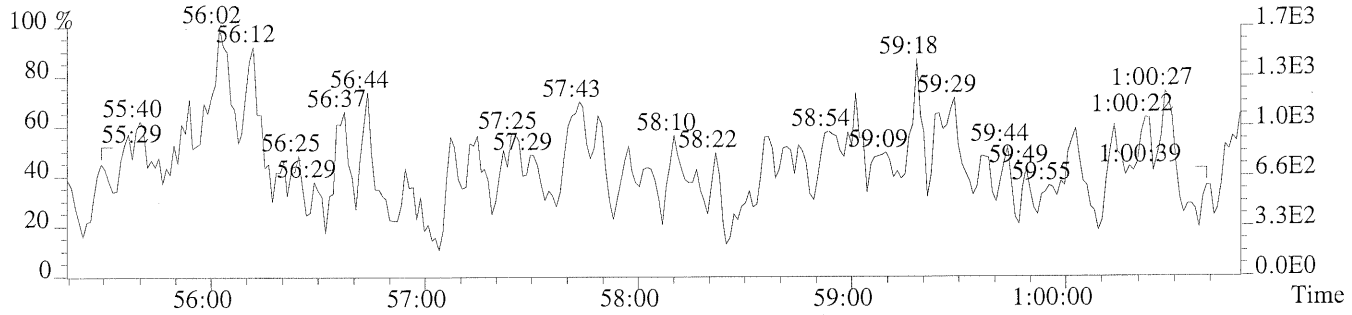
475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,744.0,1.00%,F,T)



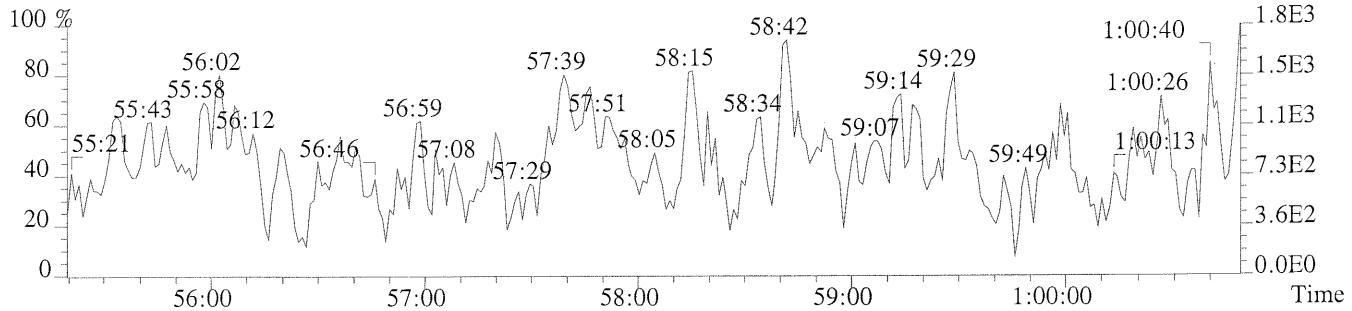
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



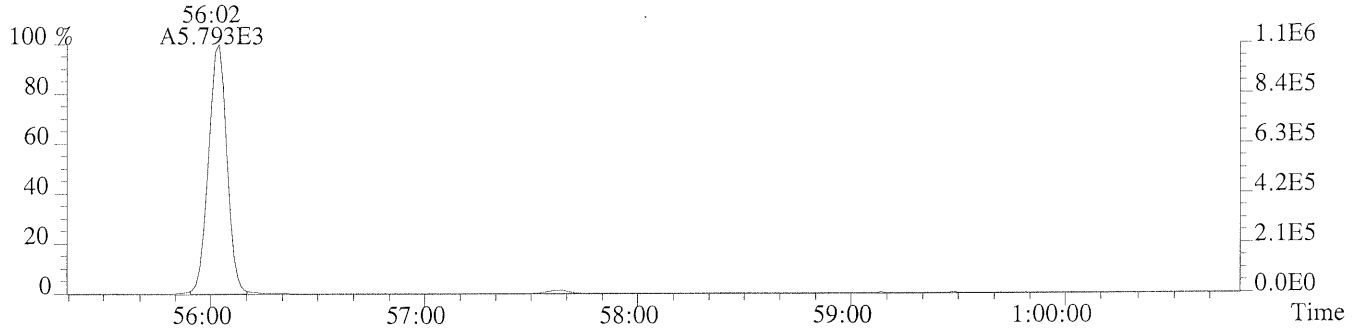
File:U142167 #1-310 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



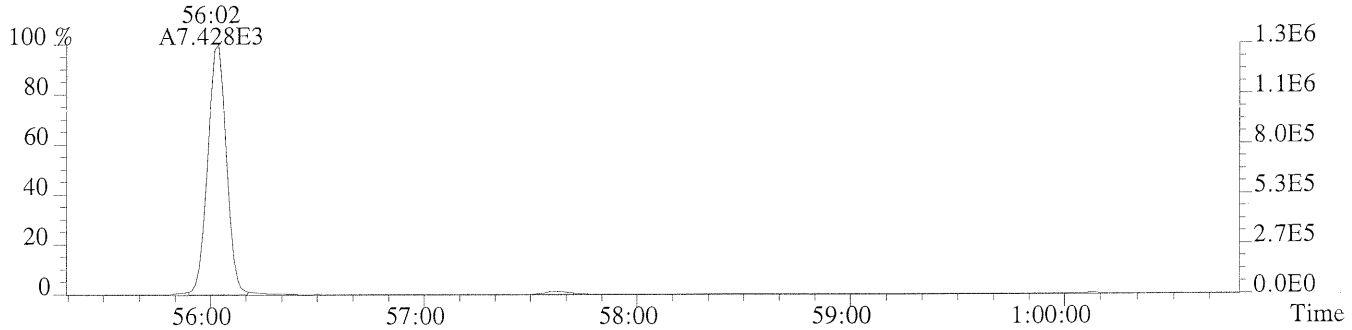
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



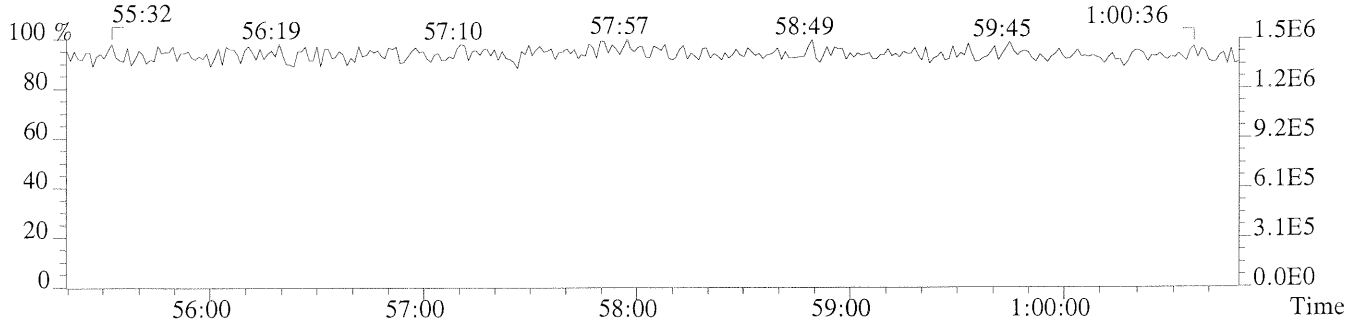
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,500.0,1.00%,F,T)



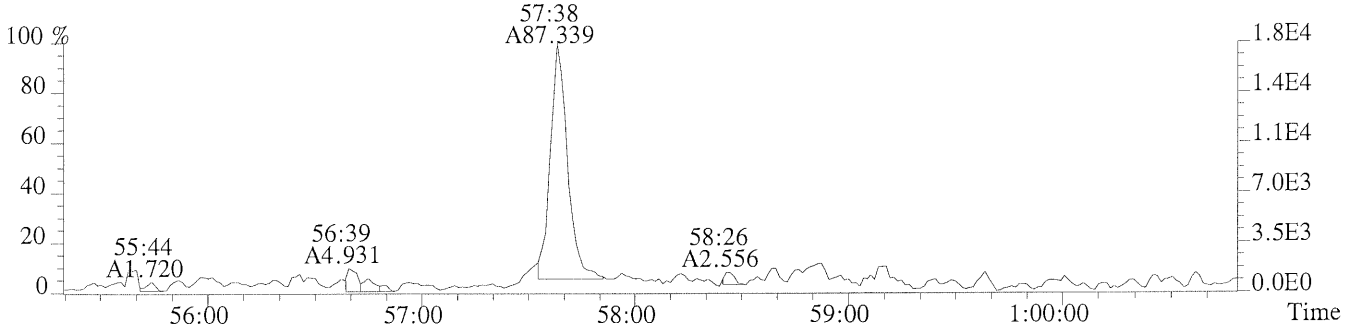
475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,864.0,1.00%,F,T)



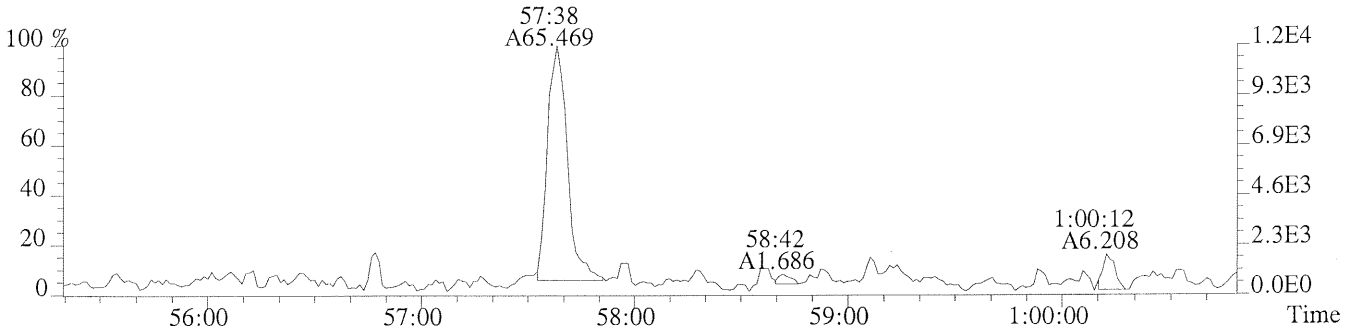
492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



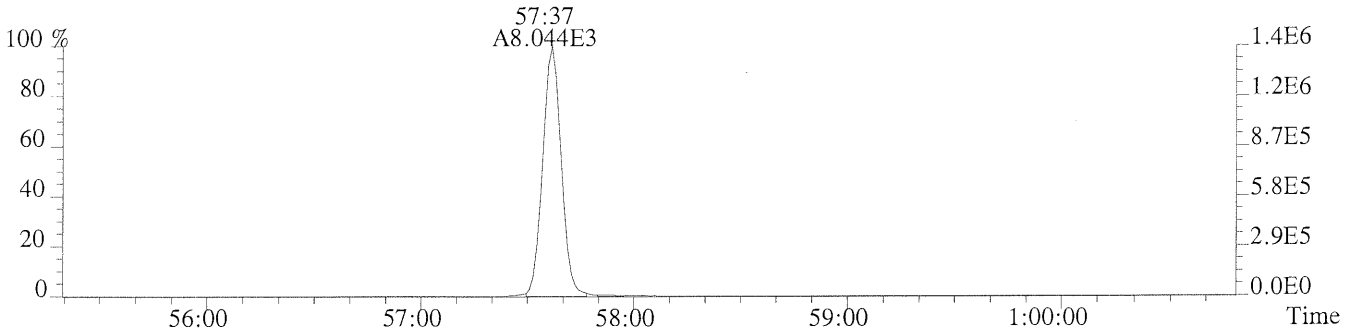
File:U142167 #1-310 Acq:23-NOV-2011 10:04:20 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-003 KC91-156U
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,756.0,1.00%,F,T)



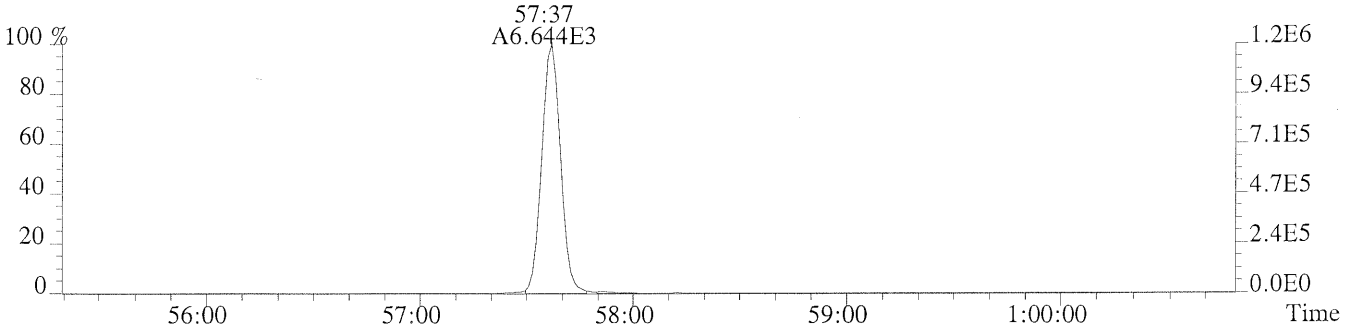
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



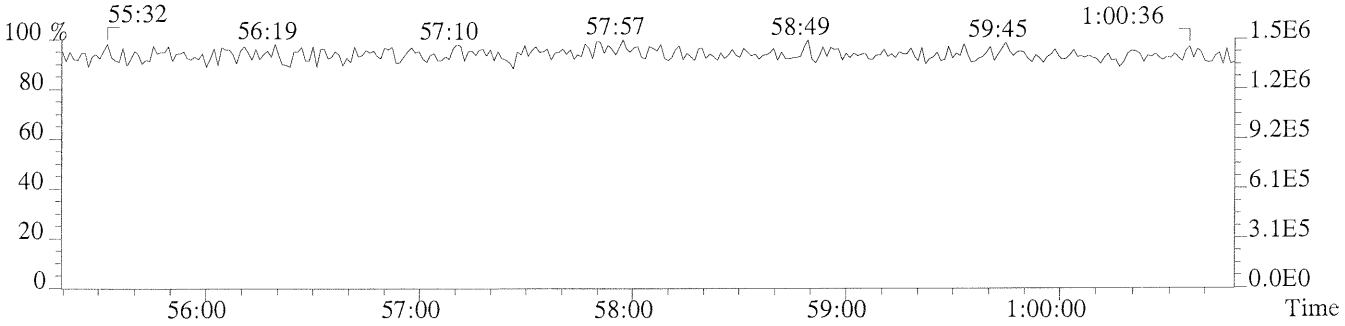
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,640.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
KC91-156L

Run #12 Filename U142168 Samp: 1 Inj: 1 Acquired: 23-NOV-11 11:12:38
Processed: 6-DEC-11 16:12:27 Sample ID: E1101076-004

In#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	y	1.071
2	1	PCB-2	NotFnd	*	*	*	n	n	1.009
3	1	PCB-3	15:36	4.350e+01	1.523e+01	2.86	y	n	1.036
4	1	PCB-4	NotFnd	*	*	*	n	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	2.038
6	2	PCB-9	NotFnd	*	*	*	n	n	1.116
7	2	PCB-7	NotFnd	*	*	*	n	n	1.185
8	2	PCB-6	NotFnd	*	*	*	n	n	1.238
9	2	PCB-5	NotFnd	*	*	*	n	n	1.021
10	2	PCB-8	NotFnd	*	*	*	n	n	1.276
11	2	PCB-14	NotFnd	*	*	*	n	n	1.218
12	2	PCB-11	21:17	1.083e+03	6.597e+02	1.64	y	n	1.038
13	2	PCB-12/13	NotFnd	*	*	*	n	n	0.991
14	2	PCB-15	NotFnd	*	*	*	n	n	0.977
15	2	PCB-19	NotFnd	*	*	*	n	n	1.001
16	2	PCB-18/30	20:57	1.195e+02	9.093e+01	1.31	n	n	1.454
17	2	PCB-17	21:22	3.786e+01	4.432e+01	0.85	n	y	1.212
18	2	PCB-27	NotFnd	*	*	*	n	n	1.754
19	2	PCB-24	NotFnd	*	*	*	n	y	1.574
20	2	PCB-16	NotFnd	*	*	*	n	y	0.981
21	2	PCB-32	22:21	3.924e+01	4.126e+01	0.95	y	y	1.838
22	3	PCB-34	NotFnd	*	*	*	n	n	1.392
23	3	PCB-23	NotFnd	*	*	*	n	n	1.415
24	3	PCB-26/29	NotFnd	*	*	*	n	n	1.505
25	3	PCB-25	NotFnd	*	*	*	n	n	1.525
26	3	PCB-31	24:41	1.058e+02	9.633e+01	1.10	y	y	1.450
27	3	PCB-20/28	24:58	1.275e+02	1.088e+02	1.17	y	y	1.366
28	3	PCB-21/33	NotFnd	*	*	*	n	y	1.498
29	3	PCB-22	NotFnd	*	*	*	n	y	1.219
30	3	PCB-36	NotFnd	*	*	*	n	n	1.245
31	3	PCB-39	NotFnd	*	*	*	n	n	1.234
32	3	PCB-38	NotFnd	*	*	*	n	n	1.215
33	3	PCB-35	NotFnd	*	*	*	n	n	1.040
34	3	PCB-37	NotFnd	*	*	*	n	n	1.089
35	2	PCB-54	NotFnd	*	*	*	n	n	1.002
36	3	PCB-50/53	NotFnd	*	*	*	n	n	1.314
37	3	PCB-45/51	NotFnd	*	*	*	n	y	1.267
38	3	PCB-46	NotFnd	*	*	*	n	n	1.083
39	3	PCB-52	26:49	1.392e+02	1.998e+02	0.70	y	n	1.381
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.441
41	3	PCB-49/69	27:19	4.803e+01	6.322e+01	0.76	y	n	1.509
42	3	PCB-48	NotFnd	*	*	*	n	n	1.315
43	3	PCB-44/47/65	27:52	2.127e+02	2.620e+02	0.81	y	n	1.363
44	3	PCB-59/62/75	NotFnd	*	*	*	n	n	1.663
45	3	PCB-42	NotFnd	*	*	*	n	y	1.217
46	3	PCB-40/41/71	28:51	3.088e+01	2.756e+01	1.12	n	n	1.254
47	3	PCB-64	NotFnd	*	*	*	n	y	1.718
48	3	PCB-72	NotFnd	*	*	*	n	n	1.689
49	3	PCB-68	NotFnd	*	*	*	n	y	1.580
50	3	PCB-57	NotFnd	*	*	*	n	n	1.536

51	3	PCB-58	NotFnd	*	*	*	n	n	1.441
52	3	PCB-67	NotFnd	*	*	*	n	n	1.498
53	3	PCB-63	NotFnd	*	*	*	n	n	1.500
54	3	PCB-61/70/74/76	31:38	9.967e+01	1.576e+02	0.63	n	y	1.467
55	3	PCB-66	31:57	3.466e+01	6.190e+01	0.56	n	y	1.484
56	3	PCB-55	NotFnd	*	*	*	n	n	1.386
57	4	PCB-56	NotFnd	*	*	*	n	y	1.110
58	4	PCB-60	NotFnd	*	*	*	n	n	1.161
59	4	PCB-80	NotFnd	*	*	*	n	n	1.248
60	4	PCB-79	NotFnd	*	*	*	n	n	1.221
61	4	PCB-78	NotFnd	*	*	*	n	n	1.058
62	4	PCB-81	NotFnd	*	*	*	n	n	1.034
63	4	PCB-77	NotFnd	*	*	*	n	n	0.995
64	3	PCB-104	NotFnd	*	*	*	n	n	1.030
65	3	PCB-96	NotFnd	*	*	*	n	n	1.648
66	3	PCB-103	NotFnd	*	*	*	n	n	1.361
67	3	PCB-94	NotFnd	*	*	*	n	n	1.095
68	3	PCB-95	30:45	8.659e+01	6.450e+01	1.34	y	n	1.251
69	3	PCB-93/100	NotFnd	*	*	*	n	n	1.157
70	3	PCB-98/102	NotFnd	*	*	*	n	n	1.177
71	3	PCB-88/91	31:37	1.803e+01	1.937e+01	0.93	n	n	1.172
72	3	PCB-84	NotFnd	*	*	*	n	n	1.010
73	3	PCB-89	NotFnd	*	*	*	n	n	1.107
74	4	PCB-121	NotFnd	*	*	*	n	n	1.533
75	4	PCB-92	NotFnd	*	*	*	n	n	1.171
76	4	PCB-90/101/113	33:43	1.109e+02	9.215e+01	1.20	n	n	1.257
77	4	PCB-83/99	34:18	4.519e+01	3.421e+01	1.32	y	n	1.087
78	4	PCB-112	NotFnd	*	*	*	n	n	1.500
79	4	PCB-86/87/97/109/119/125	34:55	8.409e+01	3.888e+01	2.16	n	y	1.273
80	4	PCB-117	NotFnd	*	*	*	n	n	1.124
81	4	PCB-85/116	NotFnd	*	*	*	n	n	1.370
82	4	PCB-110/115	35:42	1.168e+02	6.812e+01	1.71	y	y	1.428
83	4	PCB-82	NotFnd	*	*	*	n	n	0.966
84	4	PCB-111	NotFnd	*	*	*	n	n	1.384
85	4	PCB-120	NotFnd	*	*	*	n	n	1.421
86	5	PCB-108/124	NotFnd	*	*	*	n	n	1.029
87	5	PCB-107	NotFnd	*	*	*	n	n	1.057
88	5	PCB-123	NotFnd	*	*	*	n	n	1.018
89	5	PCB-106	NotFnd	*	*	*	n	n	1.084
90	5	PCB-118	38:43	6.745e+01	4.930e+01	1.37	y	n	0.997
91	5	PCB-122	NotFnd	*	*	*	n	n	0.971
92	5	PCB-114	NotFnd	*	*	*	n	n	0.991
93	5	PCB-105	39:53	2.037e+01	1.409e+01	1.45	y	n	1.011
94	5	PCB-127	NotFnd	*	*	*	n	n	0.913
95	5	PCB-126	NotFnd	*	*	*	n	n	0.960
96	4	PCB-155	NotFnd	*	*	*	n	n	0.988
97	4	PCB-152	NotFnd	*	*	*	n	n	2.103
98	4	PCB-150	NotFnd	*	*	*	n	n	2.005
99	4	PCB-136	NotFnd	*	*	*	n	n	2.052
100	4	PCB-145	NotFnd	*	*	*	n	n	1.890
101	4	PCB-148	NotFnd	*	*	*	n	n	1.502
102	4	PCB-135/151	NotFnd	*	*	*	n	y	1.425
103	4	PCB-154	NotFnd	*	*	*	n	n	1.669
104	4	PCB-144	NotFnd	*	*	*	n	n	1.504
105	5	PCB-147/149	37:33	3.559e+01	3.306e+01	1.08	y	y	1.382
106	5	PCB-134	NotFnd	*	*	*	n	y	1.167
107	5	PCB-143	NotFnd	*	*	*	n	n	1.342

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.365
109	5	PCB-131	NotFnd	*	*	*	n	n	1.198
110	5	PCB-142	NotFnd	*	*	*	n	n	1.255
111	5	PCB-132	NotFnd	*	*	*	n	y	1.143
112	5	PCB-133	NotFnd	*	*	*	n	n	1.274
113	5	PCB-165	NotFnd	*	*	*	n	n	1.499
114	5	PCB-146	NotFnd	*	*	*	n	n	1.367
115	5	PCB-161	NotFnd	*	*	*	n	n	1.696
116	5	PCB-153/168	40:35	4.272e+01	1.907e+01	2.24	n	y	1.540
117	5	PCB-141	NotFnd	*	*	*	n	y	1.248
118	5	PCB-130	NotFnd	*	*	*	n	n	1.089
119	5	PCB-137	NotFnd	*	*	*	n	n	1.159
120	5	PCB-164	NotFnd	*	*	*	n	n	1.528
121	5	PCB-129/138/163	41:52	5.410e+01	4.067e+01	1.33	y	y	1.293
122	5	PCB-160	NotFnd	*	*	*	n	n	1.484
123	5	PCB-158	NotFnd	*	*	*	n	n	1.632
124	5	PCB-128/166	NotFnd	*	*	*	n	n	1.280
125	6	PCB-159	NotFnd	*	*	*	n	n	0.967
126	6	PCB-162	NotFnd	*	*	*	n	n	0.916
127	6	PCB-167	NotFnd	*	*	*	n	n	1.008
128	6	PCB-156/157	NotFnd	*	*	*	n	n	1.006
129	6	PCB-169	NotFnd	*	*	*	n	n	0.992
130	5	PCB-188	NotFnd	*	*	*	n	n	0.990
131	5	PCB-179	NotFnd	*	*	*	n	n	1.535
132	5	PCB-184	NotFnd	*	*	*	n	n	1.525
133	5	PCB-176	NotFnd	*	*	*	n	n	1.470
134	5	PCB-186	NotFnd	*	*	*	n	n	1.393
135	5	PCB-178	NotFnd	*	*	*	n	n	1.041
136	5	PCB-175	NotFnd	*	*	*	n	n	1.105
137	5	PCB-187	NotFnd	*	*	*	n	n	1.127
138	5	PCB-182	NotFnd	*	*	*	n	n	1.037
139	6	PCB-183	NotFnd	*	*	*	n	n	0.821
140	6	PCB-185	NotFnd	*	*	*	n	n	0.608
141	6	PCB-174	NotFnd	*	*	*	n	n	0.716
142	6	PCB-177	NotFnd	*	*	*	n	n	0.667
143	6	PCB-181	NotFnd	*	*	*	n	n	0.656
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.631
145	6	PCB-172	NotFnd	*	*	*	n	n	0.608
146	6	PCB-192	NotFnd	*	*	*	n	n	0.736
147	6	PCB-180/193	NotFnd	*	*	*	n	n	0.729
148	6	PCB-191	NotFnd	*	*	*	n	n	0.822
149	6	PCB-170	NotFnd	*	*	*	n	n	0.575
150	6	PCB-190	NotFnd	*	*	*	n	n	0.751
151	6	PCB-189	NotFnd	*	*	*	n	n	0.863
152	6	PCB-202	NotFnd	*	*	*	n	n	0.863
153	6	PCB-201	NotFnd	*	*	*	n	n	1.391
154	6	PCB-204	NotFnd	*	*	*	n	n	1.342
155	6	PCB-197	NotFnd	*	*	*	n	n	1.195
156	6	PCB-200	NotFnd	*	*	*	n	n	1.428
157	6	PCB-198/199	NotFnd	*	*	*	n	n	0.874
158	6	PCB-196	NotFnd	*	*	*	n	n	0.902
159	6	PCB-203	NotFnd	*	*	*	n	n	0.920
160	6	PCB-195	NotFnd	*	*	*	n	n	0.810
161	6	PCB-194	NotFnd	*	*	*	n	n	0.824
162	6	PCB-205	NotFnd	*	*	*	n	n	0.889
163	6	PCB-208	NotFnd	*	*	*	n	n	0.880
164	6	PCB-207	NotFnd	*	*	*	n	n	1.250

Filename U142168 Acquired: 23-NOV-11 11:12:38

165	7	PCB-206	NotFnd	*	*	*	n	n	0.931
166	7	PCB-209	57:39	9.464e+01	9.466e+01	1.00	y	n	0.894
167	1	PCB-1L	13:19	2.582e+04	8.386e+03	3.08	y	n	1.220
168	1	PCB-3L	15:35	2.798e+04	8.962e+03	3.12	y	n	1.173
169	1	PCB-4L	15:49	1.445e+04	9.146e+03	1.58	y	n	0.803
170	2	PCB-15L	21:53	2.055e+04	1.318e+04	1.56	y	n	0.962
171	2	PCB-19L	19:02	1.101e+04	1.053e+04	1.05	y	n	0.636
172	3	PCB-37L	29:00	1.775e+04	1.684e+04	1.05	y	n	1.144
173	2	PCB-54L	22:09	1.037e+04	1.270e+04	0.82	y	n	1.140
174	4	PCB-81L	35:48	1.302e+04	1.664e+04	0.78	y	n	0.947
175	4	PCB-77L	36:22	1.391e+04	1.741e+04	0.80	y	n	0.949
176	3	PCB-104L	27:45	1.697e+04	1.084e+04	1.57	y	n	1.397
177	5	PCB-123L	38:21	1.578e+04	1.031e+04	1.53	y	n	1.029
178	5	PCB-118L	38:41	1.689e+04	1.075e+04	1.57	y	n	1.077
179	5	PCB-114L	39:13	1.613e+04	1.043e+04	1.55	y	n	1.075
180	5	PCB-105L	39:51	1.557e+04	1.007e+04	1.55	y	n	1.013
181	5	PCB-126L	42:58	1.457e+04	9.590e+03	1.52	y	n	0.898
182	4	PCB-155L	33:27	1.637e+04	1.309e+04	1.25	y	n	1.637
183	6	PCB-167L	44:51	1.067e+04	8.466e+03	1.26	y	n	0.882
184	6	PCB-156/157L	45:59	2.074e+04	1.638e+04	1.27	y	n	0.818
185	6	PCB-169L	49:14	9.756e+03	7.782e+03	1.25	y	n	0.716
186	5	PCB-188L	39:11	1.495e+04	1.431e+04	1.05	y	n	2.358
187	6	PCB-189L	51:45	9.324e+03	9.065e+03	1.03	y	n	1.307
188	6	PCB-202L	44:35	9.701e+03	1.074e+04	0.90	y	n	1.804
189	6	PCB-205L	54:18	7.155e+03	7.901e+03	0.91	y	n	1.363
190	6	PCB-208L	51:15	6.442e+03	8.100e+03	0.80	y	n	1.337
191	7	PCB-206L	56:02	5.870e+03	7.363e+03	0.80	y	n	0.998
192	7	PCB-209L	57:37	8.023e+03	6.779e+03	1.18	y	n	1.563
193	3	PCB-28L	24:57	2.102e+04	2.070e+04	1.02	y	n	1.387
194	4	PCB-111L	36:24	2.066e+04	1.314e+04	1.57	y	n	1.238
195	5	PCB-178L	42:15	1.002e+04	9.490e+03	1.06	y	n	0.953
196	2	PCB-9L	17:52	3.023e+04	1.969e+04	1.54	y	n	-
197	3	PCB-52L	26:47	1.903e+04	2.434e+04	0.78	y	n	-
198	4	PCB-101L	33:41	2.386e+04	1.522e+04	1.57	y	n	-
199	5	PCB-138L	41:48	1.880e+04	1.484e+04	1.27	y	n	-
200	6	PCB-194L	53:50	8.552e+03	9.332e+03	0.92	y	n	-

-- Sample Calculation--

$$\text{PCB-209} = \frac{(9.464e{+}01 + 9.466e{+}01)\ \times\ (100.0 \times 100.0)\text{pg} \times 1}{(8.023e{+}03 + 6.779e{+}03) \times (970\ \text{mg}) \times (100\ \text{---})/100 \times 0.8938} = 148\ \text{pg/L}$$

12/2/11

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sp166respa
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
KC91-156L

Run #12 Filename U142168#1 Samp: 1 Inj: 1 Acquired: 23-NOV-11 11:12:38

Processed: 6-DEC-11 16:12:27 LAB. ID: E1101076-004

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.24e+03	*	*	1.24e+03	*
2	PCB-2	*	1.24e+03	*	*	1.24e+03	*
3	PCB-3	7.11e+03	1.24e+03	5.7e+00	3.92e+03	1.24e+03	3.2e+00
4	PCB-4	*	1.55e+03	*	*	3.61e+04	*
5	PCB-10	*	1.55e+03	*	*	3.61e+04	*
6	PCB-9	*	1.73e+03	*	*	2.36e+04	*
7	PCB-7	*	1.73e+03	*	*	2.36e+04	*
8	PCB-6	*	1.73e+03	*	*	2.36e+04	*
9	PCB-5	*	1.73e+03	*	*	2.36e+04	*
10	PCB-8	*	1.73e+03	*	*	2.36e+04	*
11	PCB-14	*	1.73e+03	*	*	2.36e+04	*
12	PCB-11	1.68e+05	1.73e+03	9.7e+01	1.07e+05	2.36e+04	4.5e+00
13	PCB-12/13	*	1.73e+03	*	*	2.36e+04	*
14	PCB-15	*	1.73e+03	*	*	2.36e+04	*
15	PCB-19	*	1.96e+03	*	*	8.44e+02	*
16	PCB-18/30	2.01e+04	1.96e+03	1.0e+01	1.87e+04	8.44e+02	2.2e+01
17	PCB-17	7.65e+03	1.96e+03	3.9e+00	8.07e+03	8.44e+02	9.6e+00
18	PCB-27	*	1.96e+03	*	*	8.44e+02	*
19	PCB-24	*	1.96e+03	*	*	8.44e+02	*
20	PCB-16	*	1.96e+03	*	*	8.44e+02	*
21	PCB-32	7.18e+03	1.96e+03	3.7e+00	7.52e+03	8.44e+02	8.9e+00
22	PCB-34	*	3.60e+03	*	*	4.56e+03	*
23	PCB-23	*	3.60e+03	*	*	4.56e+03	*
24	PCB-26/29	*	3.60e+03	*	*	4.56e+03	*
25	PCB-25	*	3.60e+03	*	*	4.56e+03	*
26	PCB-31	1.50e+04	3.60e+03	4.2e+00	1.61e+04	4.56e+03	3.5e+00
27	PCB-20/28	1.66e+04	3.60e+03	4.6e+00	1.43e+04	4.56e+03	3.1e+00
28	PCB-21/33	*	3.60e+03	*	*	4.56e+03	*
29	PCB-22	*	3.60e+03	*	*	4.56e+03	*
30	PCB-36	*	3.60e+03	*	*	4.56e+03	*
31	PCB-39	*	3.60e+03	*	*	4.56e+03	*
32	PCB-38	*	3.60e+03	*	*	4.56e+03	*
33	PCB-35	*	3.60e+03	*	*	4.56e+03	*
34	PCB-37	*	3.60e+03	*	*	4.56e+03	*
35	PCB-54	*	9.80e+02	*	*	1.02e+03	*
36	PCB-50/53	*	7.80e+02	*	*	9.24e+02	*
37	PCB-45/51	*	7.80e+02	*	*	9.24e+02	*
38	PCB-46	*	7.80e+02	*	*	9.24e+02	*
39	PCB-52	2.01e+04	7.80e+02	2.6e+01	3.15e+04	9.24e+02	3.4e+01
40	PCB-43/73	*	7.80e+02	*	*	9.24e+02	*
41	PCB-49/69	8.66e+03	7.80e+02	1.1e+01	1.07e+04	9.24e+02	1.2e+01
42	PCB-48	*	7.80e+02	*	*	9.24e+02	*
43	PCB-44/47/65	2.95e+04	7.80e+02	3.8e+01	3.43e+04	9.24e+02	3.7e+01
44	PCB-59/62/75	*	7.80e+02	*	*	9.24e+02	*
45	PCB-42	*	7.80e+02	*	*	9.24e+02	*
46	PCB-40/41/71	5.27e+03	7.80e+02	6.8e+00	4.99e+03	9.24e+02	5.4e+00
47	PCB-64	*	7.80e+02	*	*	9.24e+02	*

48	PCB-72	*	7.80e+02	*	*	9.24e+02	*
49	PCB-68	*	7.80e+02	*	*	9.24e+02	*
50	PCB-57	*	7.80e+02	*	*	9.24e+02	*
51	PCB-58	*	7.80e+02	*	*	9.24e+02	*
52	PCB-67	*	7.80e+02	*	*	9.24e+02	*
53	PCB-63	*	7.80e+02	*	*	9.24e+02	*
54	PCB-61/70/74/76	1.23e+04	7.80e+02	1.6e+01	1.85e+04	9.24e+02	2.0e+01
55	PCB-66	6.77e+03	7.80e+02	8.7e+00	7.65e+03	9.24e+02	8.3e+00
56	PCB-55	*	7.80e+02	*	*	9.24e+02	*
57	PCB-56	*	9.76e+02	*	*	1.16e+03	*
58	PCB-60	*	9.76e+02	*	*	1.16e+03	*
59	PCB-80	*	9.76e+02	*	*	1.16e+03	*
60	PCB-79	*	9.76e+02	*	*	1.16e+03	*
61	PCB-78	*	9.76e+02	*	*	1.16e+03	*
62	PCB-81	*	9.76e+02	*	*	1.16e+03	*
63	PCB-77	*	9.76e+02	*	*	1.16e+03	*
64	PCB-104	*	9.20e+02	*	*	6.20e+02	*
65	PCB-96	*	9.20e+02	*	*	6.20e+02	*
66	PCB-103	*	9.20e+02	*	*	6.20e+02	*
67	PCB-94	*	9.20e+02	*	*	6.20e+02	*
68	PCB-95	1.38e+04	9.20e+02	1.5e+01	9.66e+03	6.20e+02	1.6e+01
69	PCB-93/100	*	9.20e+02	*	*	6.20e+02	*
70	PCB-98/102	*	9.20e+02	*	*	6.20e+02	*
71	PCB-88/91	3.46e+03	9.20e+02	3.8e+00	2.96e+03	6.20e+02	4.8e+00
72	PCB-84	*	9.20e+02	*	*	6.20e+02	*
73	PCB-89	*	9.20e+02	*	*	6.20e+02	*
74	PCB-121	*	8.84e+02	*	*	9.24e+02	*
75	PCB-92	*	8.84e+02	*	*	9.24e+02	*
76	PCB-90/101/113	1.83e+04	8.84e+02	2.1e+01	1.25e+04	9.24e+02	1.4e+01
77	PCB-83/99	8.50e+03	8.84e+02	9.6e+00	7.44e+03	9.24e+02	8.1e+00
78	PCB-112	*	8.84e+02	*	*	9.24e+02	*
79	CB-86/87/97/109/119/125	8.87e+03	8.84e+02	1.0e+01	4.32e+03	9.24e+02	4.7e+00
80	PCB-117	*	8.84e+02	*	*	9.24e+02	*
81	PCB-85/116	*	8.84e+02	*	*	9.24e+02	*
82	PCB-110/115	1.89e+04	8.84e+02	2.1e+01	1.29e+04	9.24e+02	1.4e+01
83	PCB-82	*	8.84e+02	*	*	9.24e+02	*
84	PCB-111	*	8.84e+02	*	*	9.24e+02	*
85	PCB-120	*	8.84e+02	*	*	9.24e+02	*
86	PCB-108/124	*	1.07e+03	*	*	9.32e+02	*
87	PCB-107	*	1.07e+03	*	*	9.32e+02	*
88	PCB-123	*	1.07e+03	*	*	9.32e+02	*
89	PCB-106	*	1.07e+03	*	*	9.32e+02	*
90	PCB-118	1.19e+04	1.07e+03	1.1e+01	8.79e+03	9.32e+02	9.4e+00
91	PCB-122	*	1.07e+03	*	*	9.32e+02	*
92	PCB-114	*	1.07e+03	*	*	9.32e+02	*
93	PCB-105	3.96e+03	1.07e+03	3.7e+00	2.62e+03	9.32e+02	2.8e+00
94	PCB-127	*	1.07e+03	*	*	9.32e+02	*
95	PCB-126	*	1.07e+03	*	*	9.32e+02	*
96	PCB-155	*	8.36e+02	*	*	8.20e+02	*
97	PCB-152	*	8.36e+02	*	*	8.20e+02	*
98	PCB-150	*	8.36e+02	*	*	8.20e+02	*
99	PCB-136	*	8.36e+02	*	*	8.20e+02	*
100	PCB-145	*	8.36e+02	*	*	8.20e+02	*
101	PCB-148	*	8.36e+02	*	*	8.20e+02	*
102	PCB-135/151	*	8.36e+02	*	*	8.20e+02	*
103	PCB-154	*	8.36e+02	*	*	8.20e+02	*
104	PCB-144	*	8.36e+02	*	*	8.20e+02	*

Run #12 Filename U142168#1 Samp: 1 Acquired: 23-NOV-11 11:12:38

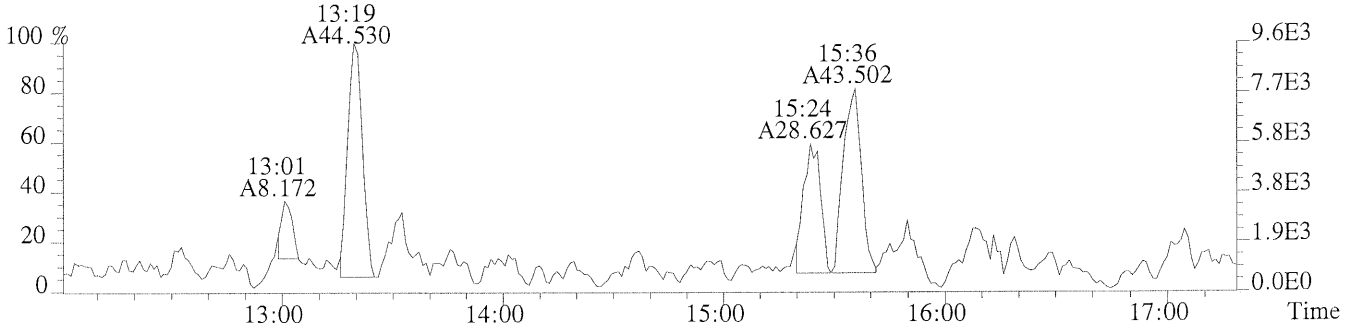
105	PCB-147/149	6.46e+03	9.36e+02	6.9e+00	7.12e+03	8.88e+02	8.0e+00
106	PCB-134	*	9.36e+02	*	*	8.88e+02	*
107	PCB-143	*	9.36e+02	*	*	8.88e+02	*
108	PCB-139/140	*	9.36e+02	*	*	8.88e+02	*
109	PCB-131	*	9.36e+02	*	*	8.88e+02	*
110	PCB-142	*	9.36e+02	*	*	8.88e+02	*
111	PCB-132	*	9.36e+02	*	*	8.88e+02	*
112	PCB-133	*	9.36e+02	*	*	8.88e+02	*
113	PCB-165	*	9.36e+02	*	*	8.88e+02	*
114	PCB-146	*	9.36e+02	*	*	8.88e+02	*
115	PCB-161	*	9.36e+02	*	*	8.88e+02	*
116	PCB-153/168	8.94e+03	9.36e+02	9.5e+00	3.97e+03	8.88e+02	4.5e+00
117	PCB-141	*	9.36e+02	*	*	8.88e+02	*
118	PCB-130	*	9.36e+02	*	*	8.88e+02	*
119	PCB-137	*	9.36e+02	*	*	8.88e+02	*
120	PCB-164	*	9.36e+02	*	*	8.88e+02	*
121	PCB-129/138/163	7.47e+03	9.36e+02	8.0e+00	5.77e+03	8.88e+02	6.5e+00
122	PCB-160	*	9.36e+02	*	*	8.88e+02	*
123	PCB-158	*	9.36e+02	*	*	8.88e+02	*
124	PCB-128/166	*	9.36e+02	*	*	8.88e+02	*
125	PCB-159	*	9.24e+02	*	*	8.08e+02	*
126	PCB-162	*	9.24e+02	*	*	8.08e+02	*
127	PCB-167	*	9.24e+02	*	*	8.08e+02	*
128	PCB-156/157	*	9.24e+02	*	*	8.08e+02	*
129	PCB-169	*	9.24e+02	*	*	8.08e+02	*
130	PCB-188	*	9.68e+02	*	*	7.68e+02	*
131	PCB-179	*	9.68e+02	*	*	7.68e+02	*
132	PCB-184	*	9.68e+02	*	*	7.68e+02	*
133	PCB-176	*	9.68e+02	*	*	7.68e+02	*
134	PCB-186	*	9.68e+02	*	*	7.68e+02	*
135	PCB-178	*	9.68e+02	*	*	7.68e+02	*
136	PCB-175	*	9.68e+02	*	*	7.68e+02	*
137	PCB-187	*	9.68e+02	*	*	7.68e+02	*
138	PCB-182	*	9.68e+02	*	*	7.68e+02	*
139	PCB-183	*	1.07e+03	*	*	8.12e+02	*
140	PCB-185	*	1.07e+03	*	*	8.12e+02	*
141	PCB-174	*	1.07e+03	*	*	8.12e+02	*
142	PCB-177	*	1.07e+03	*	*	8.12e+02	*
143	PCB-181	*	1.07e+03	*	*	8.12e+02	*
144	PCB-171/173	*	1.07e+03	*	*	8.12e+02	*
145	PCB-172	*	1.07e+03	*	*	8.12e+02	*
146	PCB-192	*	1.07e+03	*	*	8.12e+02	*
147	PCB-180/193	*	1.07e+03	*	*	8.12e+02	*
148	PCB-191	*	1.07e+03	*	*	8.12e+02	*
149	PCB-170	*	1.07e+03	*	*	8.12e+02	*
150	PCB-190	*	1.07e+03	*	*	8.12e+02	*
151	PCB-189	*	1.07e+03	*	*	8.12e+02	*
152	PCB-202	*	8.72e+02	*	*	6.64e+02	*
153	PCB-201	*	8.72e+02	*	*	6.64e+02	*
154	PCB-204	*	8.72e+02	*	*	6.64e+02	*
155	PCB-197	*	8.72e+02	*	*	6.64e+02	*
156	PCB-200	*	8.72e+02	*	*	6.64e+02	*
157	PCB-198/199	*	8.72e+02	*	*	6.64e+02	*
158	PCB-196	*	8.72e+02	*	*	6.64e+02	*
159	PCB-203	*	8.72e+02	*	*	6.64e+02	*
160	PCB-195	*	8.72e+02	*	*	6.64e+02	*
161	PCB-194	*	8.72e+02	*	*	6.64e+02	*
162	PCB-205	*	8.72e+02	*	*	6.64e+02	*

Run #12 Filename U142168#1 Samp: 1 Acquired: 23-NOV-11 11:12:38

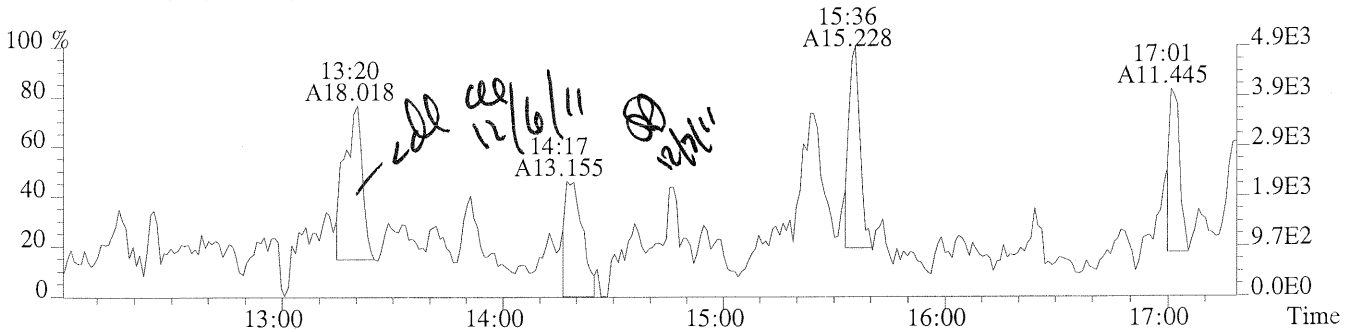
163	PCB-208	*	9.96e+02	*	*	8.00e+02	*
164	PCB-207	*	9.96e+02	*	*	8.00e+02	*
165	PCB-206	*	1.16e+03	*	*	9.12e+02	*
166	PCB-209	1.92e+04	9.08e+02	2.1e+01	1.64e+04	9.60e+02	1.7e+01
167	PCB-1L	6.12e+06	9.84e+02	6.2e+03	1.97e+06	1.85e+04	1.1e+02
168	PCB-3L	4.84e+06	9.84e+02	4.9e+03	1.57e+06	1.85e+04	8.5e+01
169	PCB-4L	2.61e+06	1.28e+03	2.0e+03	1.66e+06	1.06e+03	1.6e+03
170	PCB-15L	3.07e+06	1.93e+03	1.6e+03	1.95e+06	2.33e+03	8.4e+02
171	PCB-19L	1.91e+06	1.64e+04	1.2e+02	1.86e+06	1.31e+04	1.4e+02
172	PCB-37L	2.39e+06	1.13e+04	2.1e+02	2.30e+06	1.20e+04	1.9e+02
173	PCB-54L	1.74e+06	2.66e+03	6.5e+02	2.13e+06	1.22e+03	1.7e+03
174	PCB-81L	1.94e+06	1.76e+03	1.1e+03	2.43e+06	1.06e+03	2.3e+03
175	PCB-77L	1.96e+06	1.76e+03	1.1e+03	2.43e+06	1.06e+03	2.3e+03
176	PCB-104L	2.55e+06	5.68e+02	4.5e+03	1.64e+06	7.36e+02	2.2e+03
177	PCB-123L	2.54e+06	1.34e+04	1.9e+02	1.67e+06	3.76e+03	4.5e+02
178	PCB-118L	2.71e+06	1.34e+04	2.0e+02	1.68e+06	3.76e+03	4.5e+02
179	PCB-114L	2.62e+06	1.34e+04	2.0e+02	1.66e+06	3.76e+03	4.4e+02
180	PCB-105L	2.46e+06	1.34e+04	1.8e+02	1.59e+06	3.76e+03	4.2e+02
181	PCB-126L	2.18e+06	1.34e+04	1.6e+02	1.40e+06	3.76e+03	3.7e+02
182	PCB-155L	2.53e+06	1.26e+03	2.0e+03	2.03e+06	1.21e+03	1.7e+03
183	PCB-167L	2.08e+06	3.04e+03	6.9e+02	1.65e+06	3.02e+03	5.4e+02
184	PCB-156/157L	3.23e+06	3.04e+03	1.1e+03	2.52e+06	3.02e+03	8.3e+02
185	PCB-169L	1.82e+06	3.04e+03	6.0e+02	1.48e+06	3.02e+03	4.9e+02
186	PCB-188L	2.49e+06	7.68e+02	3.2e+03	2.33e+06	6.72e+02	3.5e+03
187	PCB-189L	1.84e+06	1.14e+03	1.6e+03	1.78e+06	7.76e+02	2.3e+03
188	PCB-202L	2.01e+06	6.40e+02	3.1e+03	2.20e+06	7.88e+02	2.8e+03
189	PCB-205L	1.46e+06	6.40e+02	2.3e+03	1.63e+06	7.88e+02	2.1e+03
190	PCB-208L	1.32e+06	7.48e+02	1.8e+03	1.63e+06	7.84e+02	2.1e+03
191	PCB-206L	1.06e+06	1.74e+03	6.1e+02	1.35e+06	1.06e+03	1.3e+03
192	PCB-209L	1.42e+06	6.24e+02	2.3e+03	1.19e+06	5.84e+02	2.0e+03
193	PCB-28L	3.03e+06	1.13e+04	2.7e+02	2.95e+06	1.20e+04	2.5e+02
194	PCB-111L	3.26e+06	2.48e+03	1.3e+03	2.08e+06	1.58e+03	1.3e+03
195	PCB-178L	1.62e+06	7.68e+02	2.1e+03	1.54e+06	6.72e+02	2.3e+03
196	PCB-9L	5.38e+06	1.93e+03	2.8e+03	3.49e+06	2.33e+03	1.5e+03
197	PCB-52L	2.80e+06	2.32e+03	1.2e+03	3.61e+06	1.14e+03	3.2e+03
198	PCB-101L	3.67e+06	2.48e+03	1.5e+03	2.37e+06	1.58e+03	1.5e+03
199	PCB-138L	3.04e+06	9.52e+02	3.2e+03	2.41e+06	7.32e+02	3.3e+03
200	PCB-194L	1.74e+06	6.40e+02	2.7e+03	1.88e+06	7.88e+02	2.4e+03

File:U142168 #1-341 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

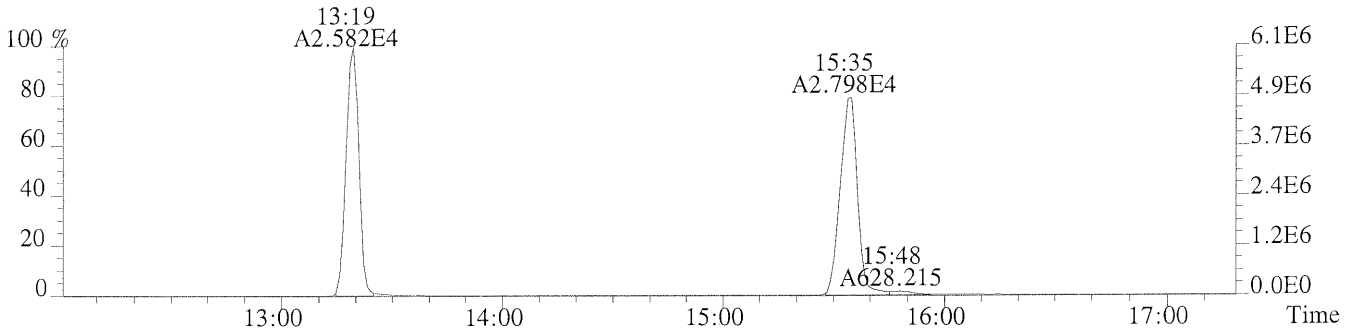
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1240.0,1.00%,F,T)



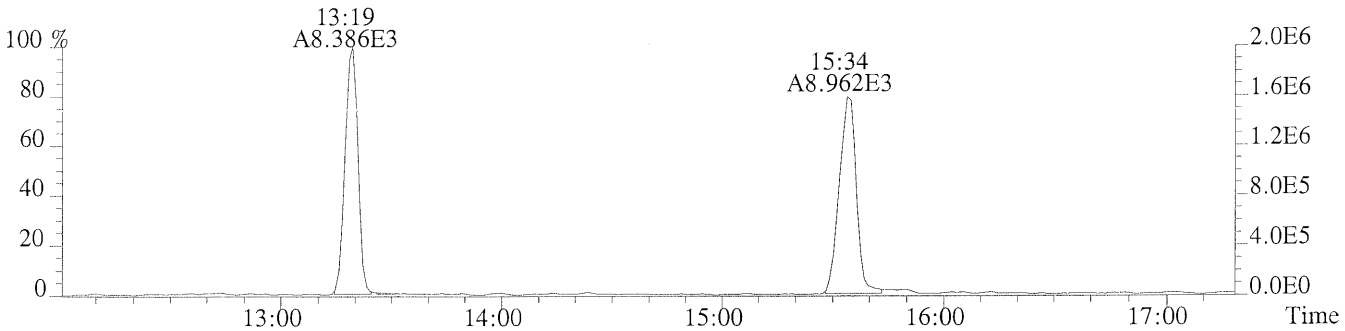
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1244.0,1.00%,F,T)



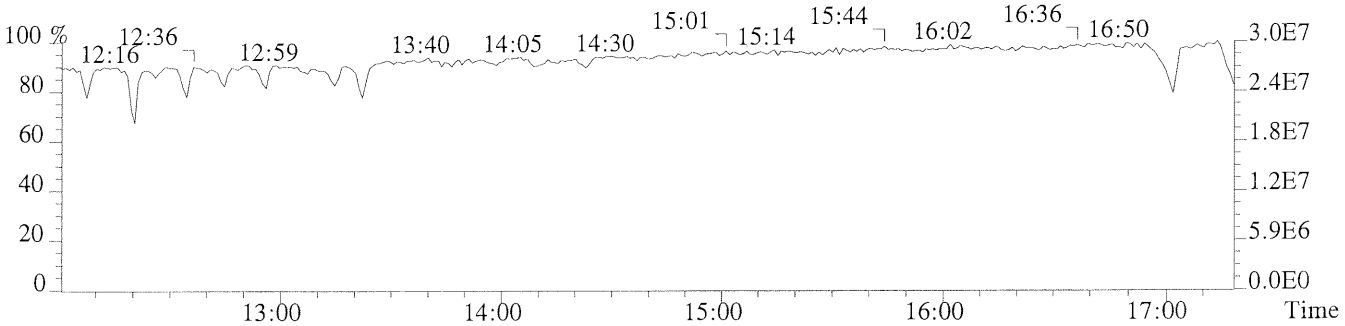
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,984.0,1.00%,F,T)



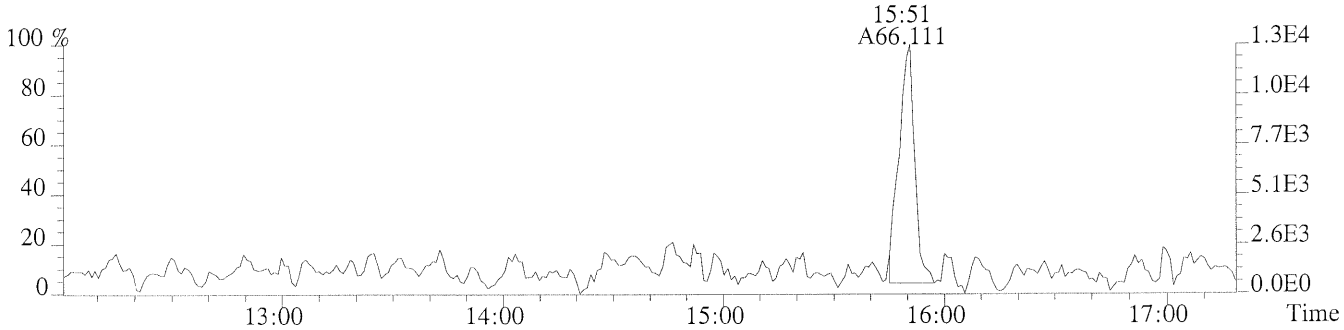
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18548.0,1.00%,F,T)



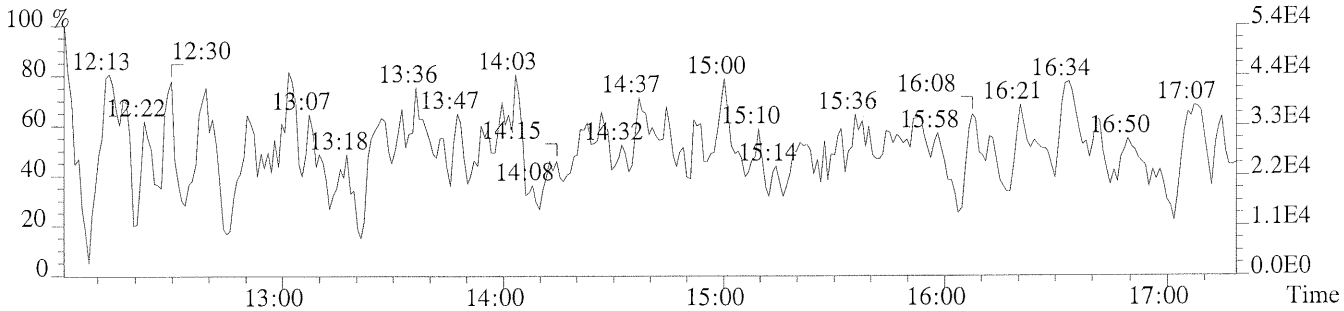
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



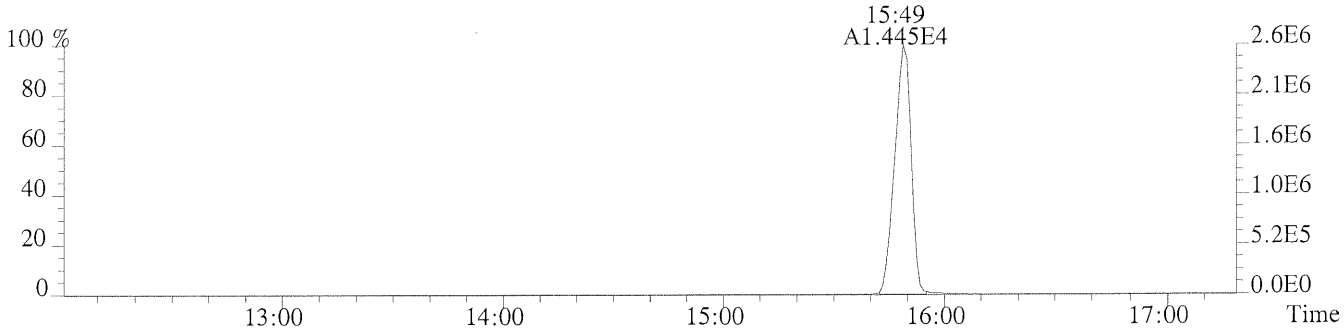
File:U142168 #1-341 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1548.0,1.00%,F,T)



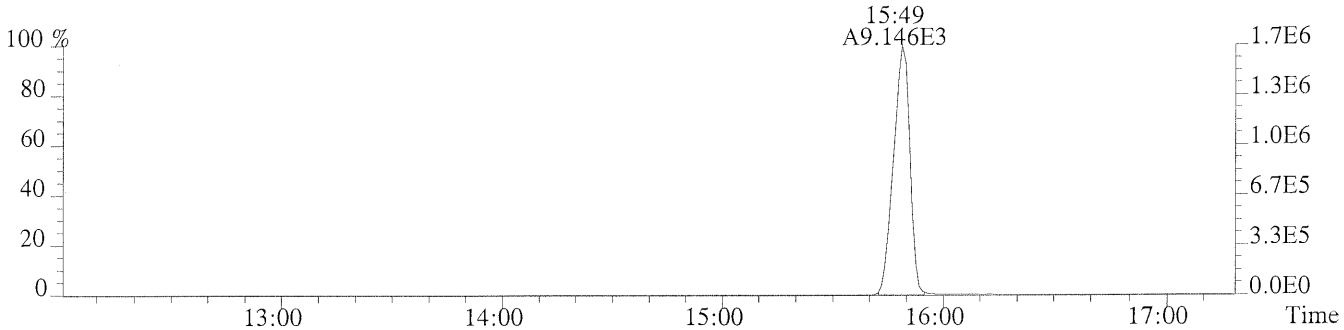
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,36104.0,1.00%,F,T)



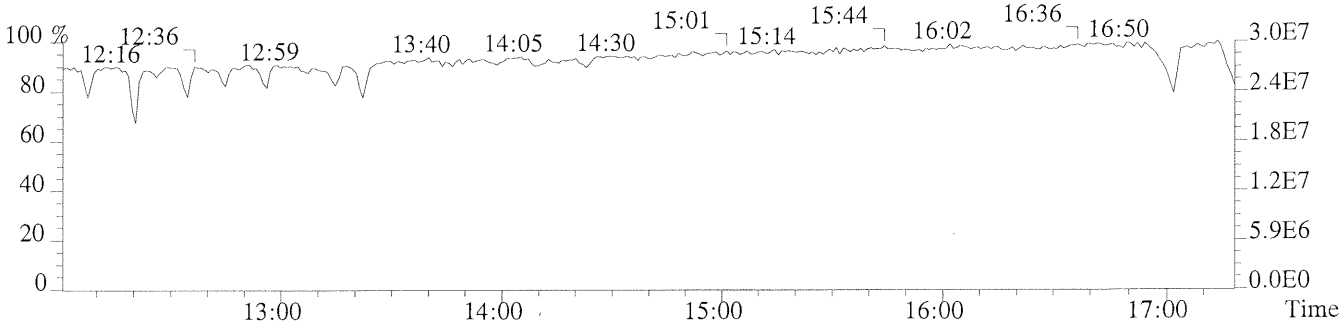
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1284.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1060.0,1.00%,F,T)

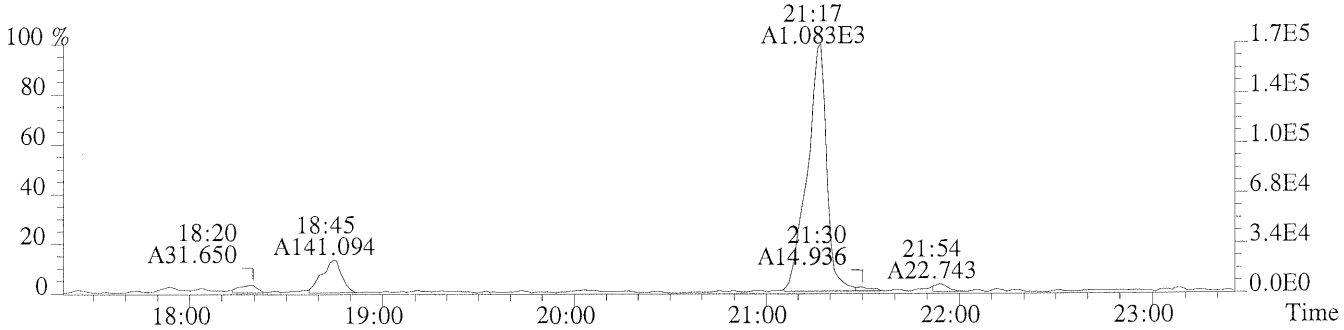


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

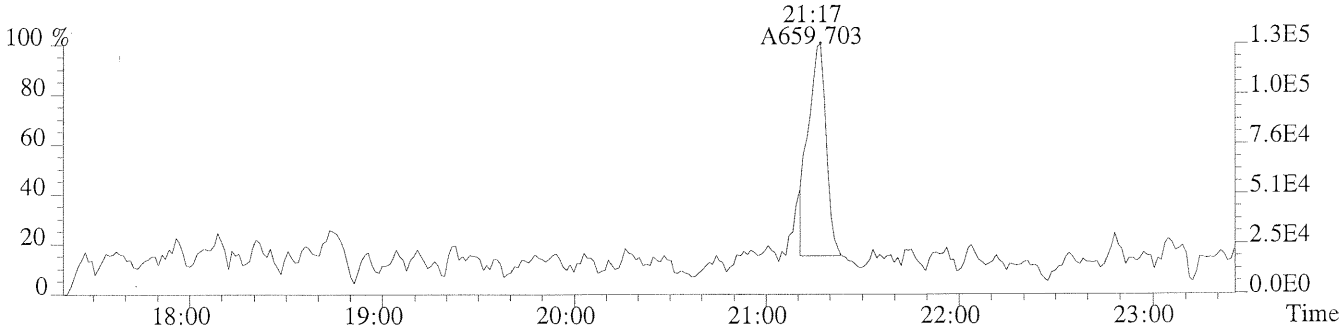


File:U142168 #1-336 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

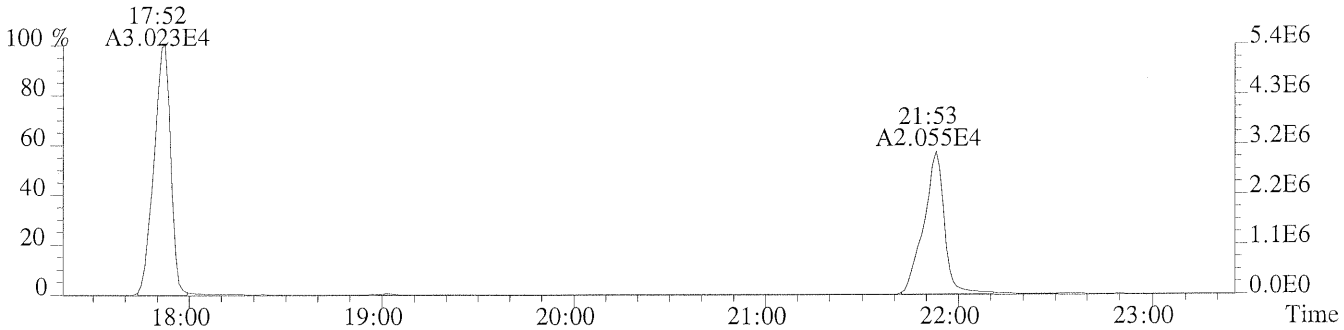
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1728.0,1.00%,F,T)



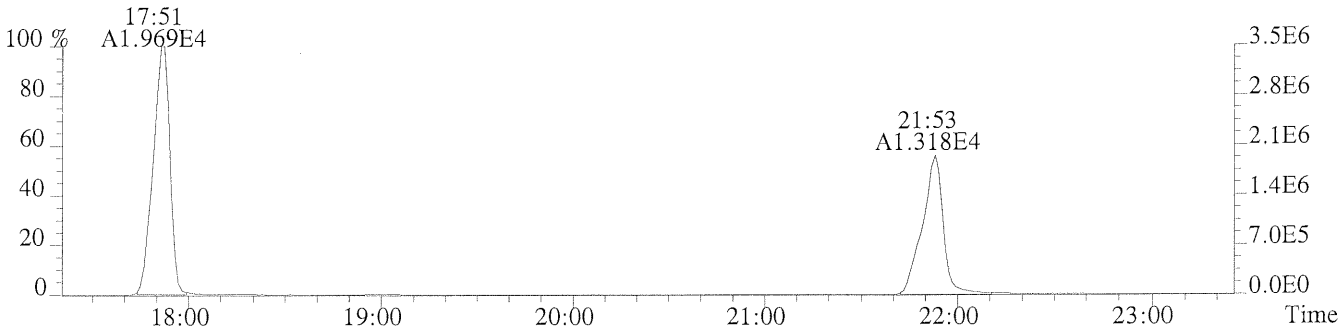
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,23596.0,1.00%,F,T)



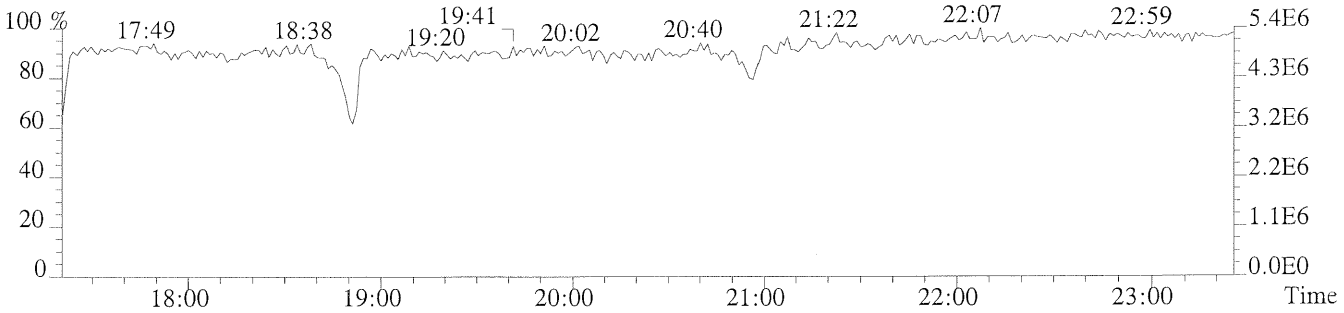
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1928.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2332.0,1.00%,F,T)

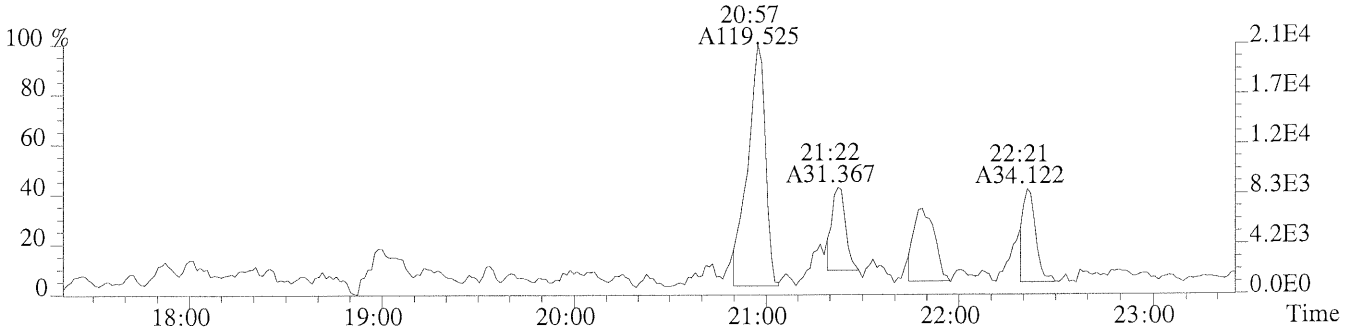


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

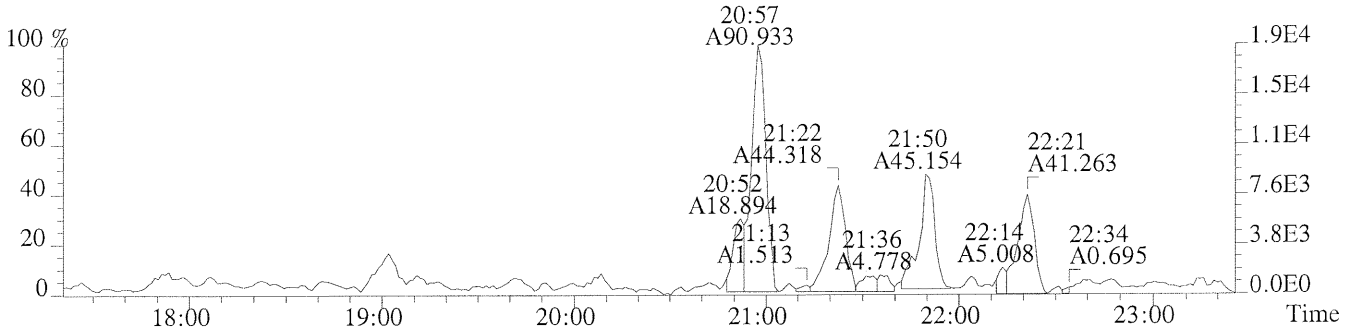


File:U142168 #1-336 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

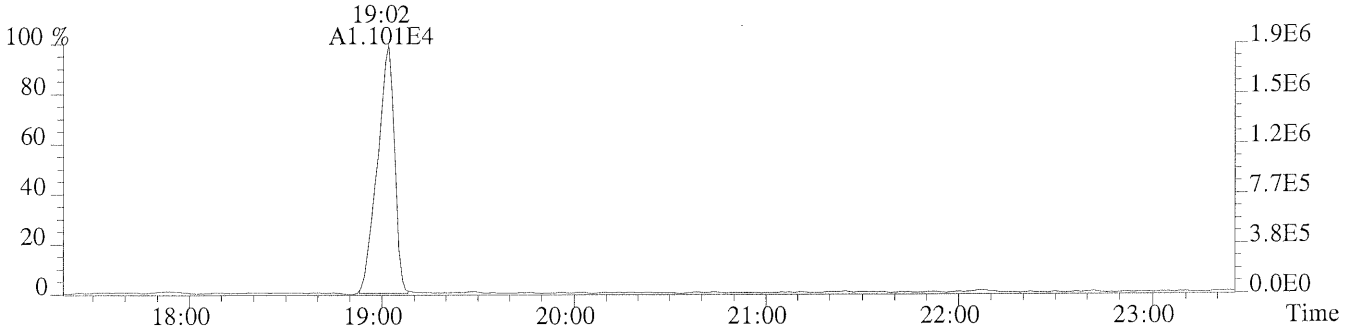
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1956.0,1.00%,F,T)



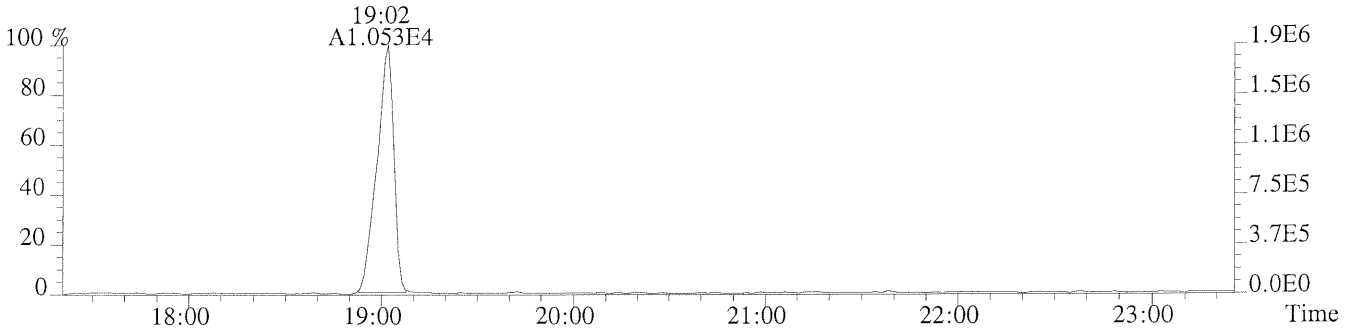
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



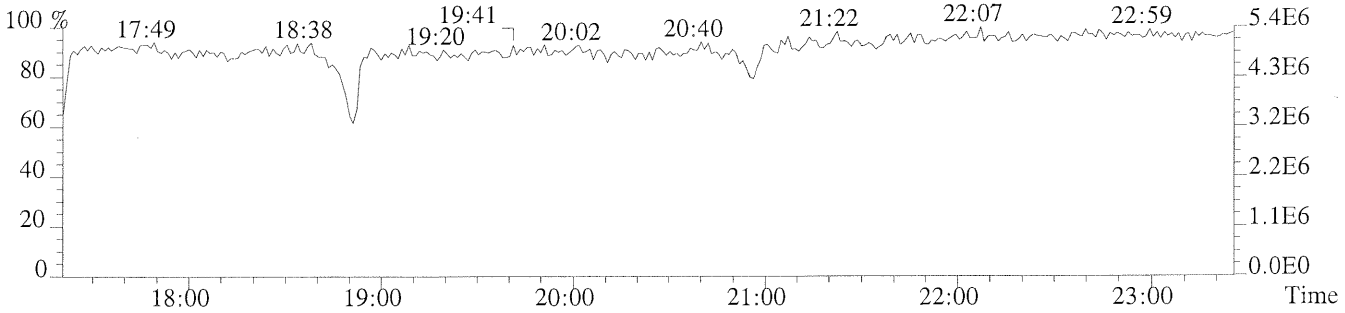
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,16432.0,1.00%,F,T)



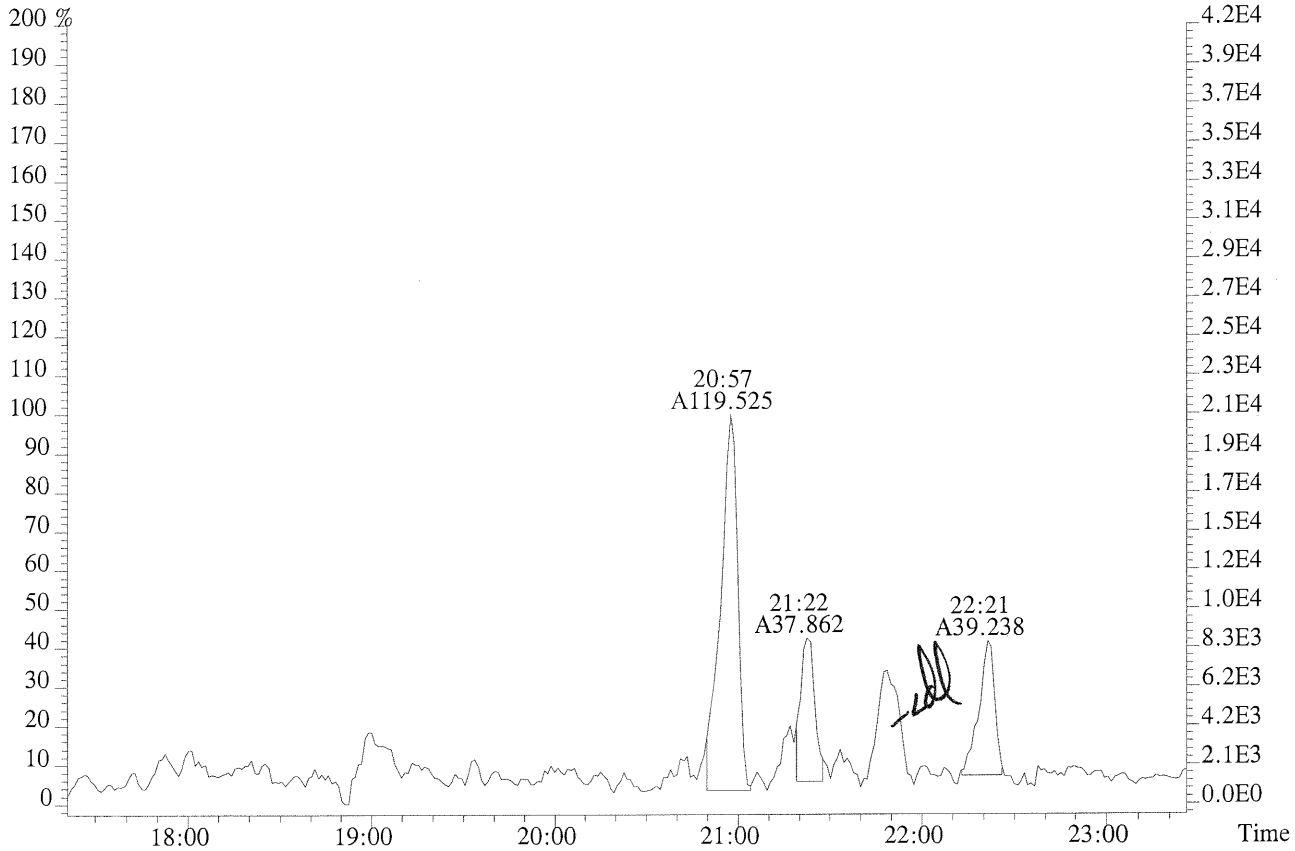
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13144.0,1.00%,F,T)



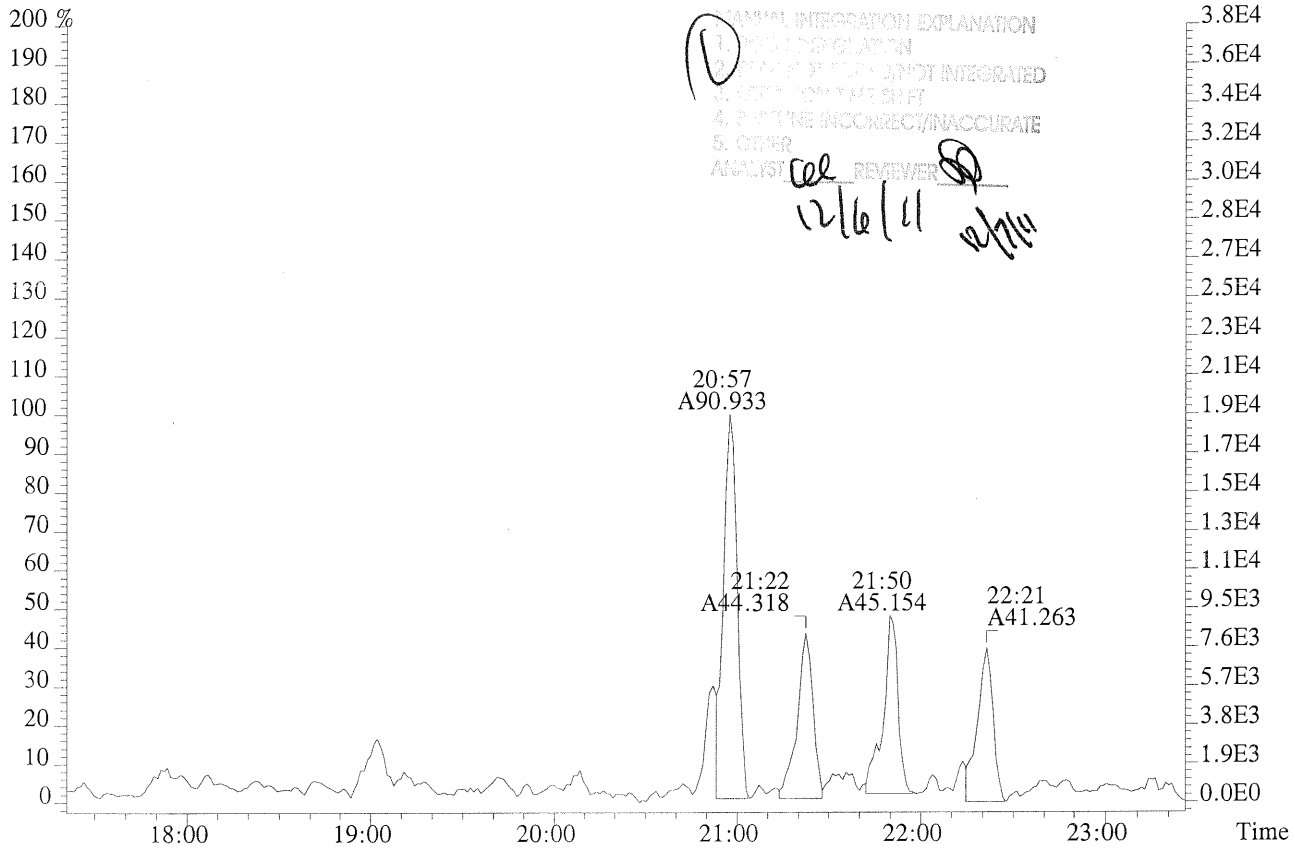
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142168 #1-336 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-004 KC91- 156L
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1956.0,1.00%,F,T)

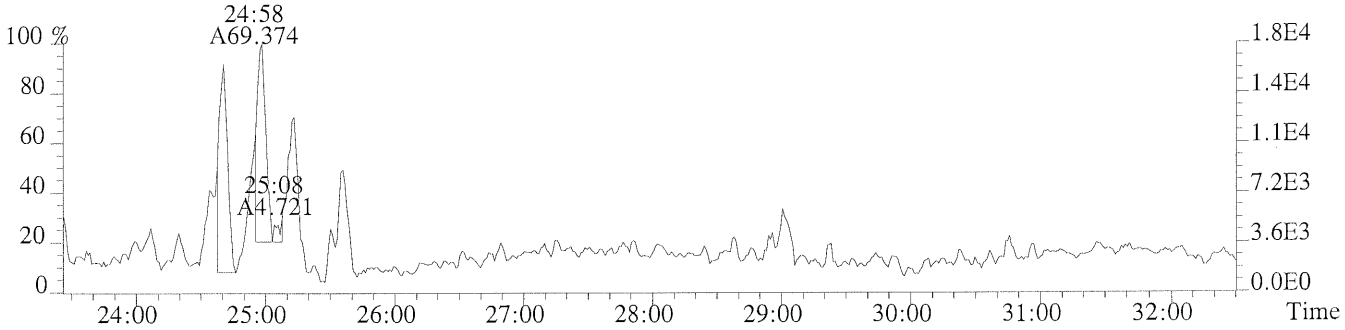


257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)

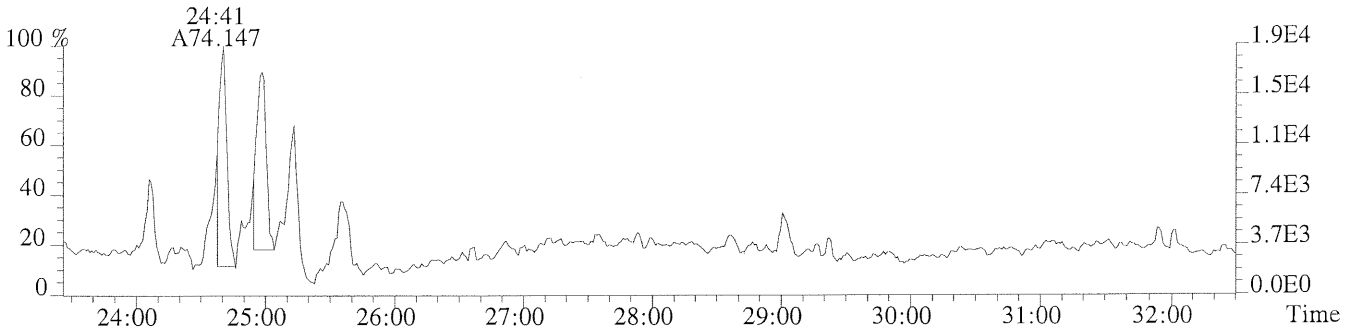


File:U142168 #1-580 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

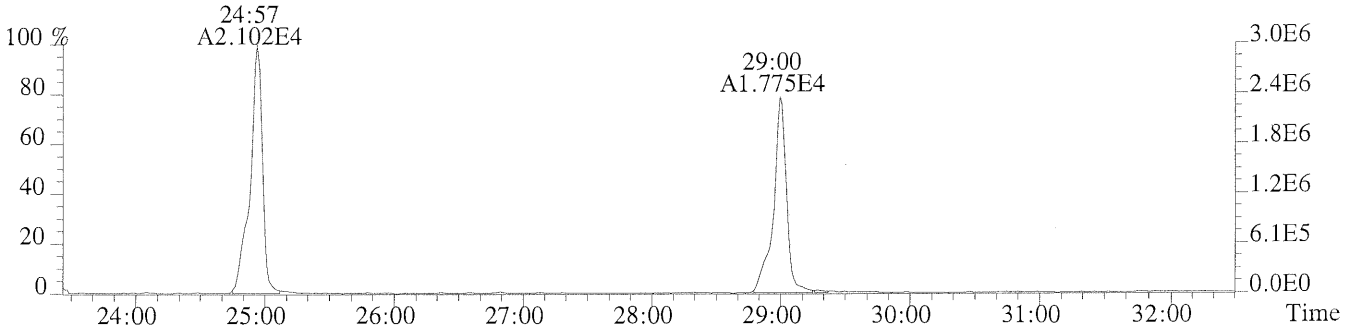
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3604.0,1.00%,F,T)



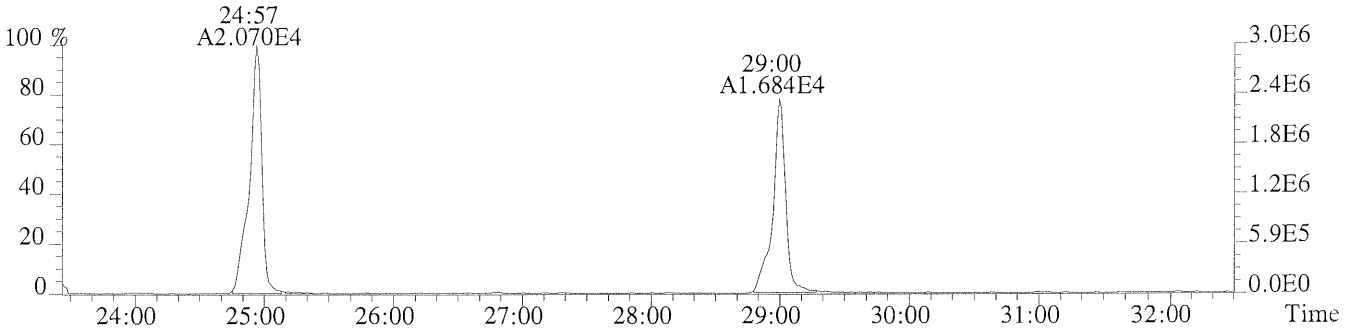
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4564.0,1.00%,F,T)



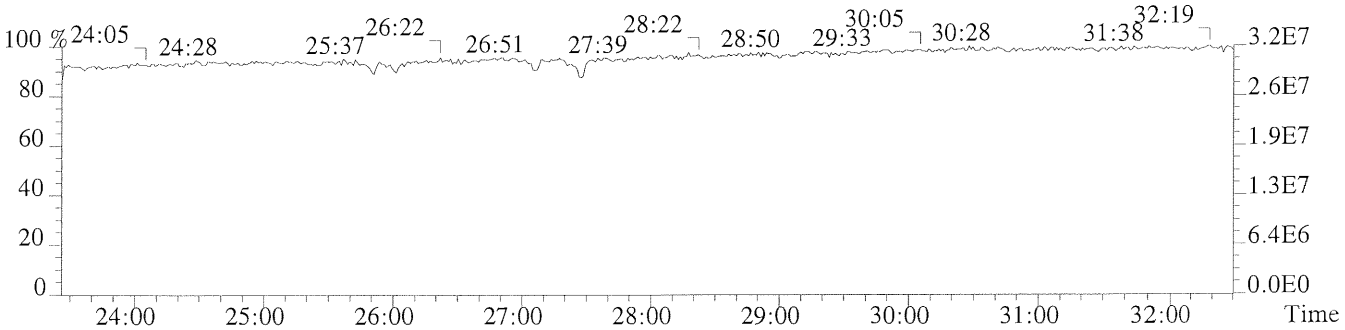
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11348.0,1.00%,F,T)



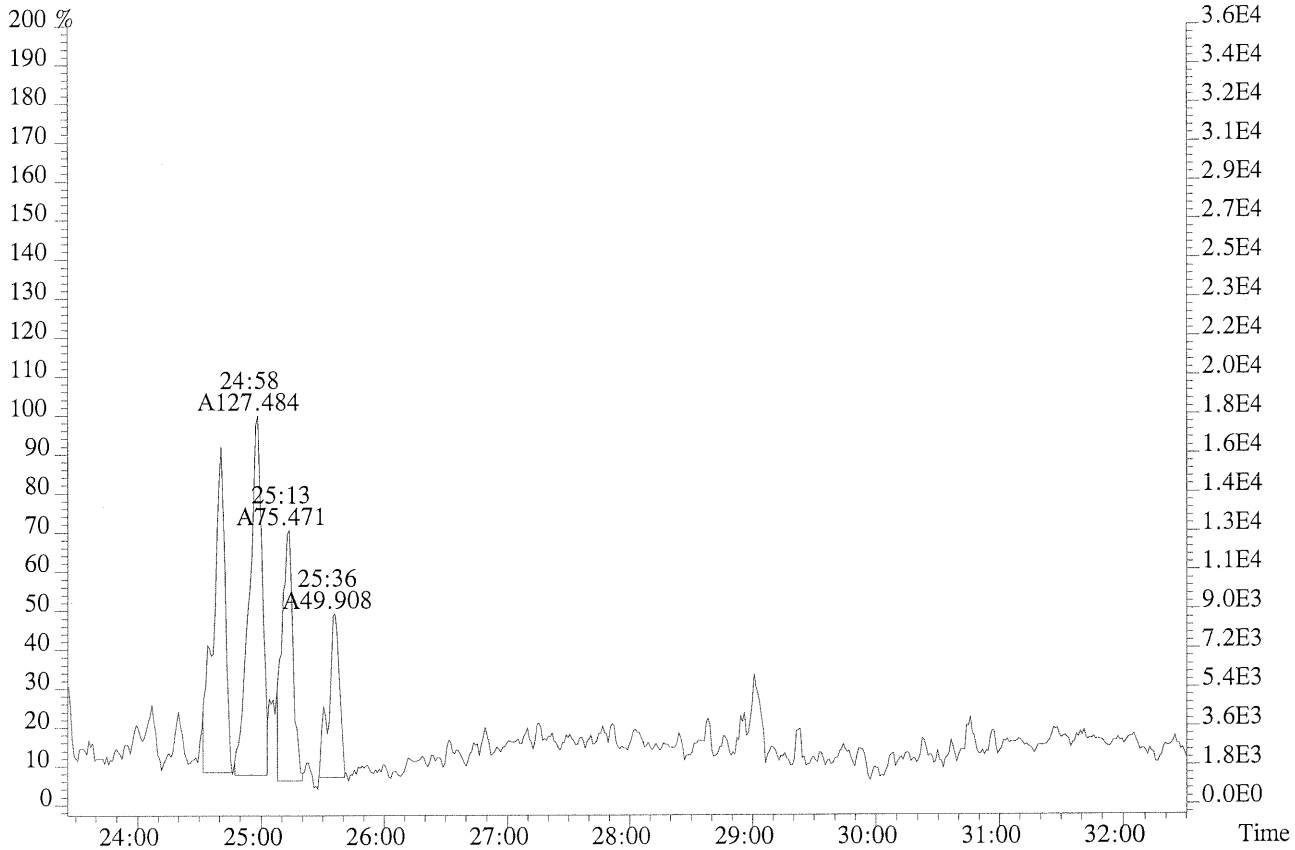
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12000.0,1.00%,F,T)



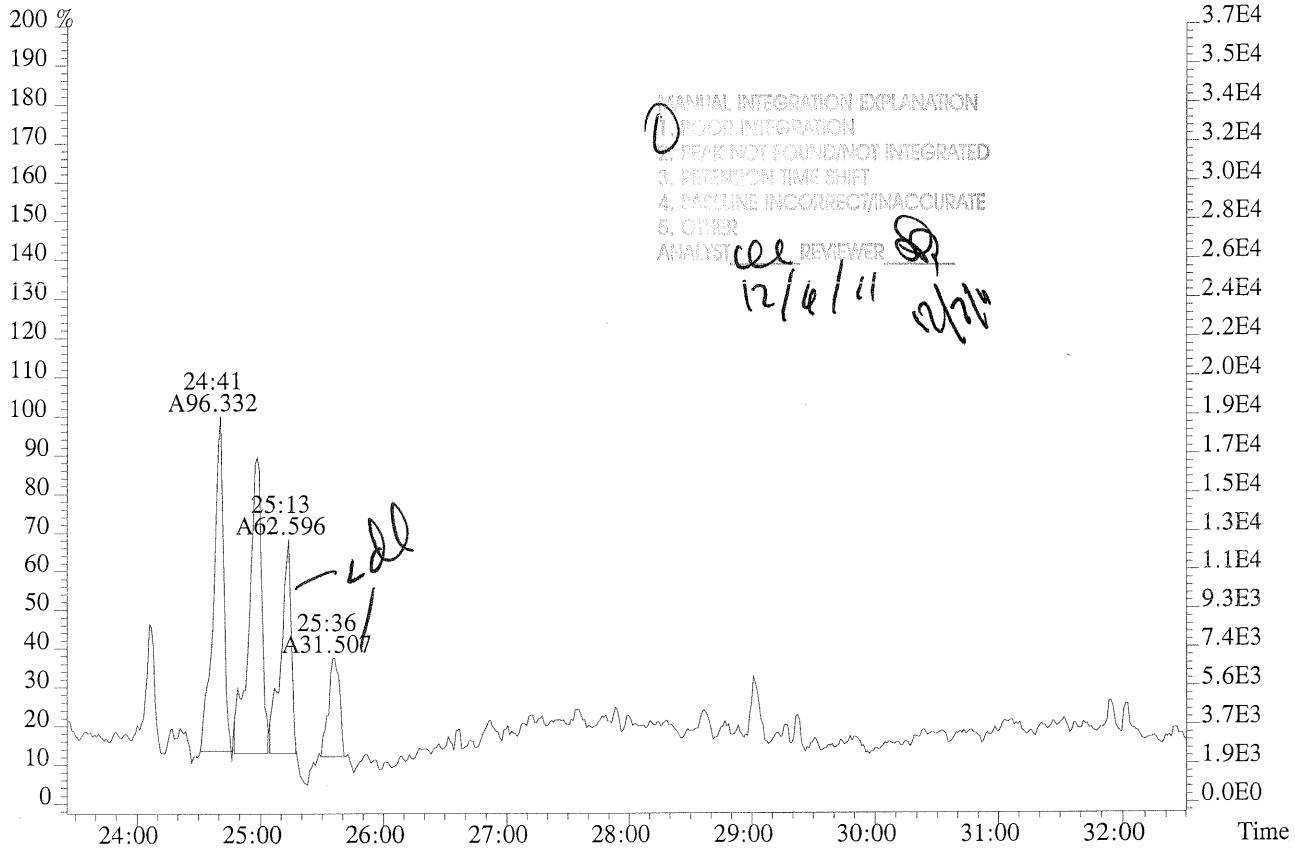
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



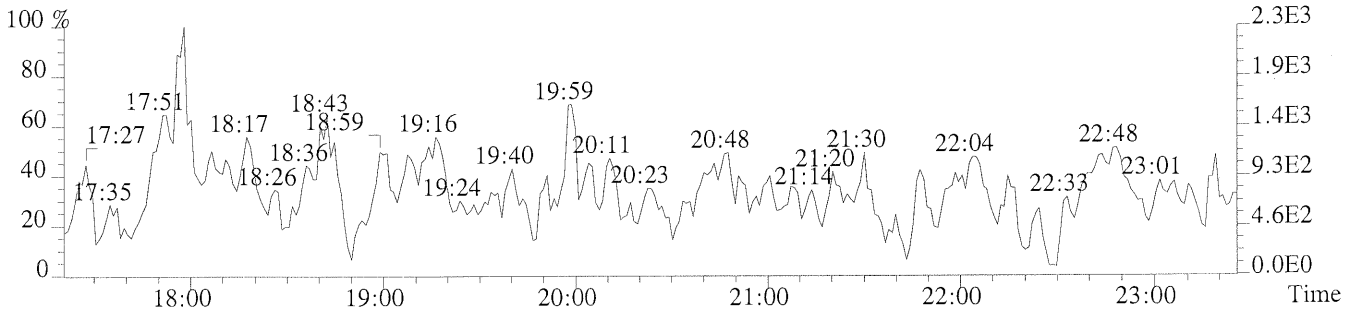
File:U142168 #1-580 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-004 KC91- 156L
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3604.0,1.00%,F,T)



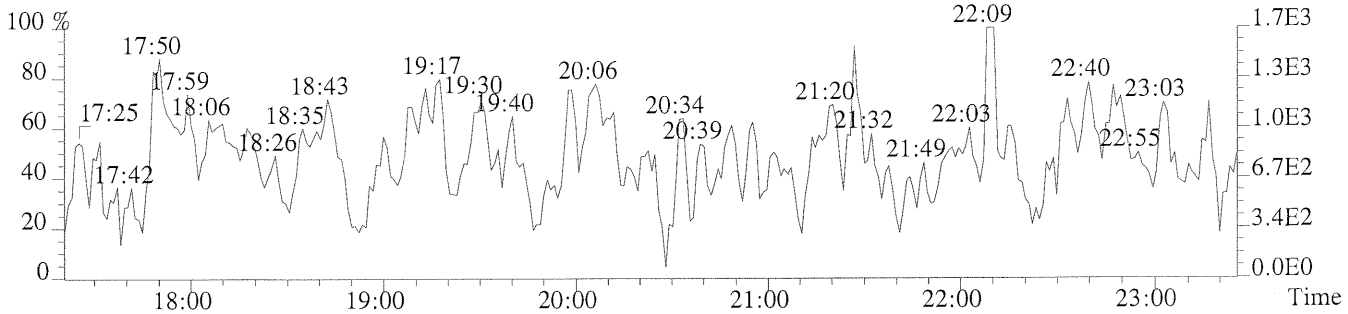
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4564.0,1.00%,F,T)



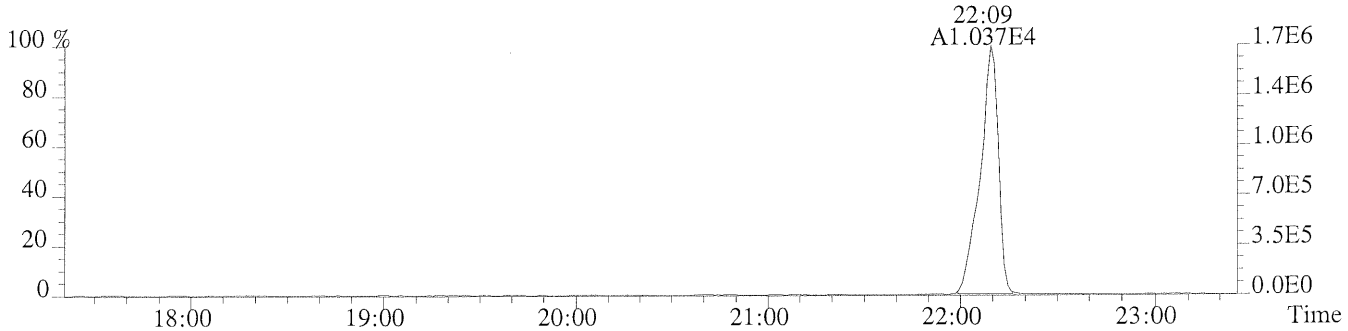
File:U142168 #1-336 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,980.0,1.00%,F,T)



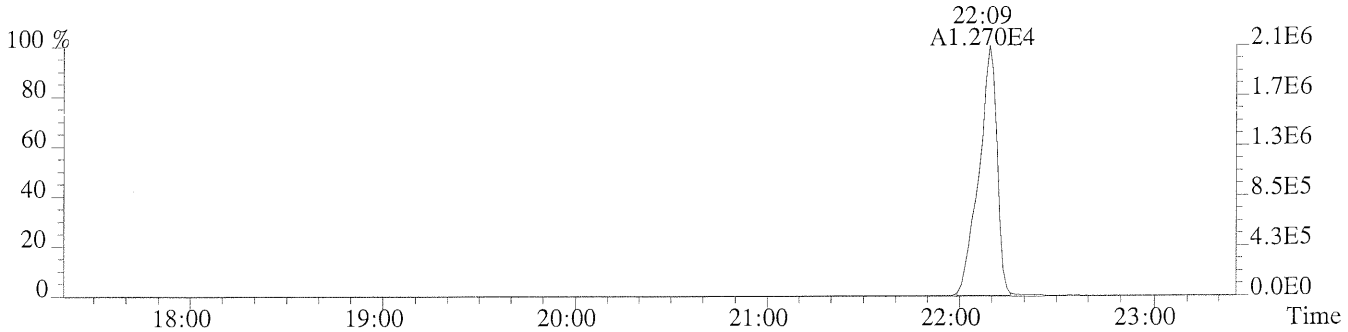
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1020.0,1.00%,F,T)



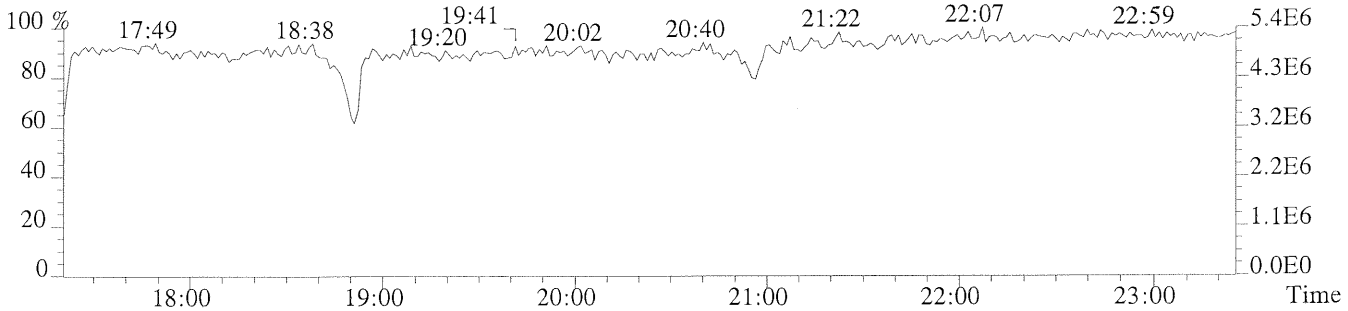
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2660.0,1.00%,F,T)



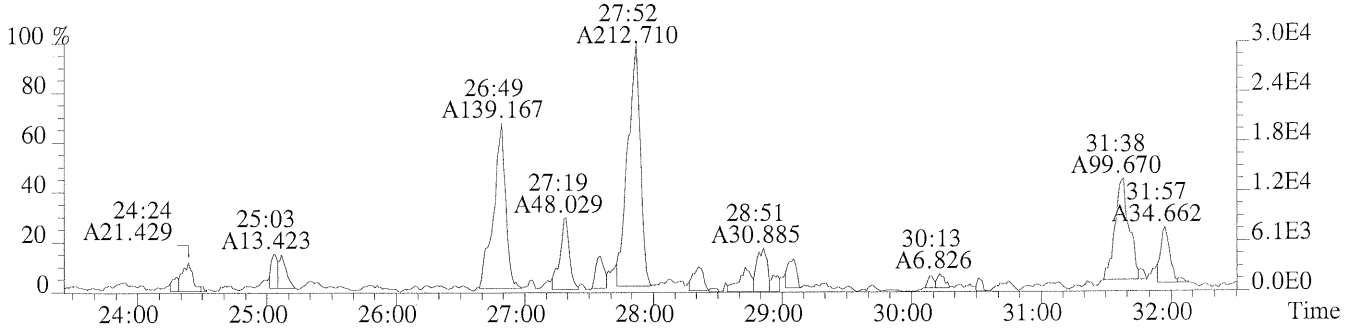
303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1224.0,1.00%,F,T)



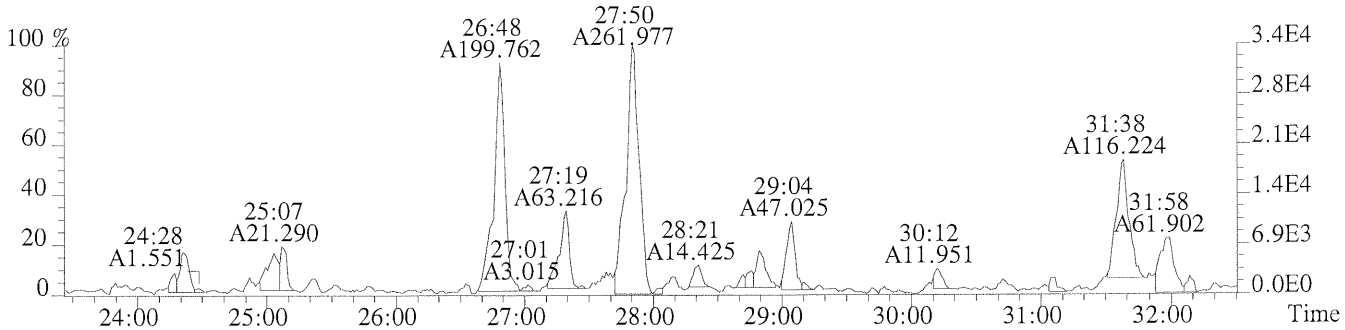
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



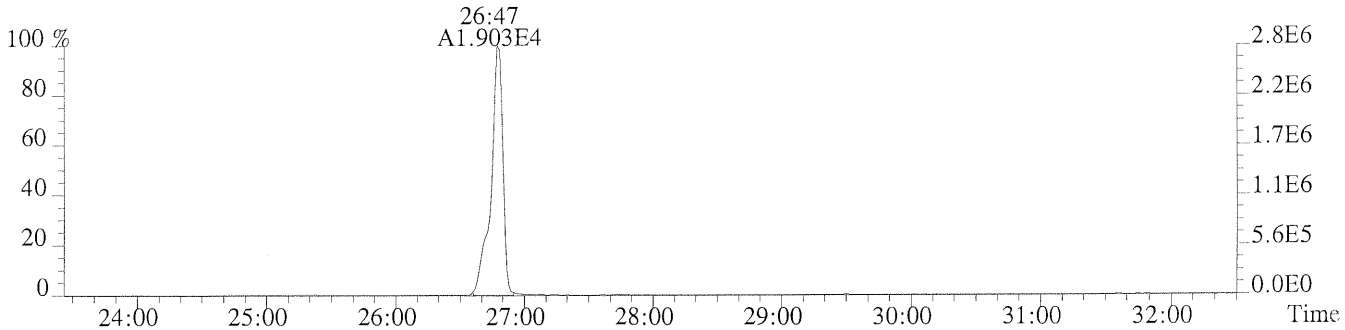
File:U142168 #1-580 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



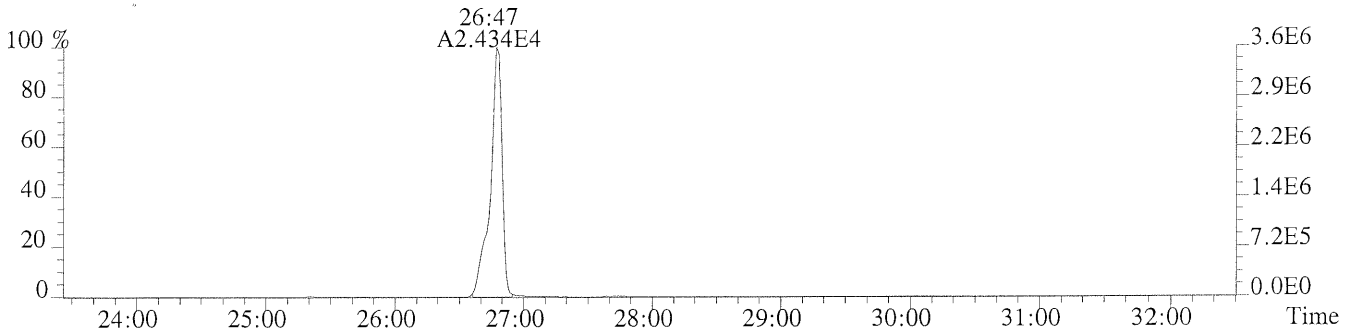
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



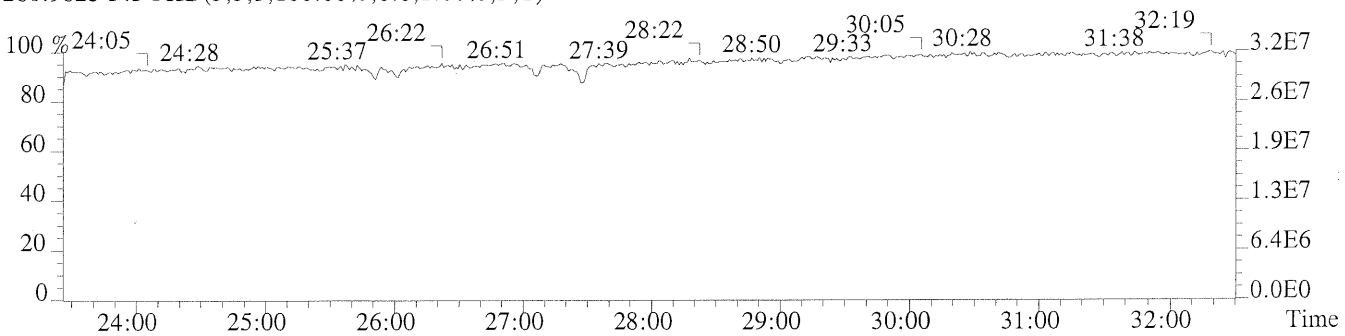
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2316.0,1.00%,F,T)



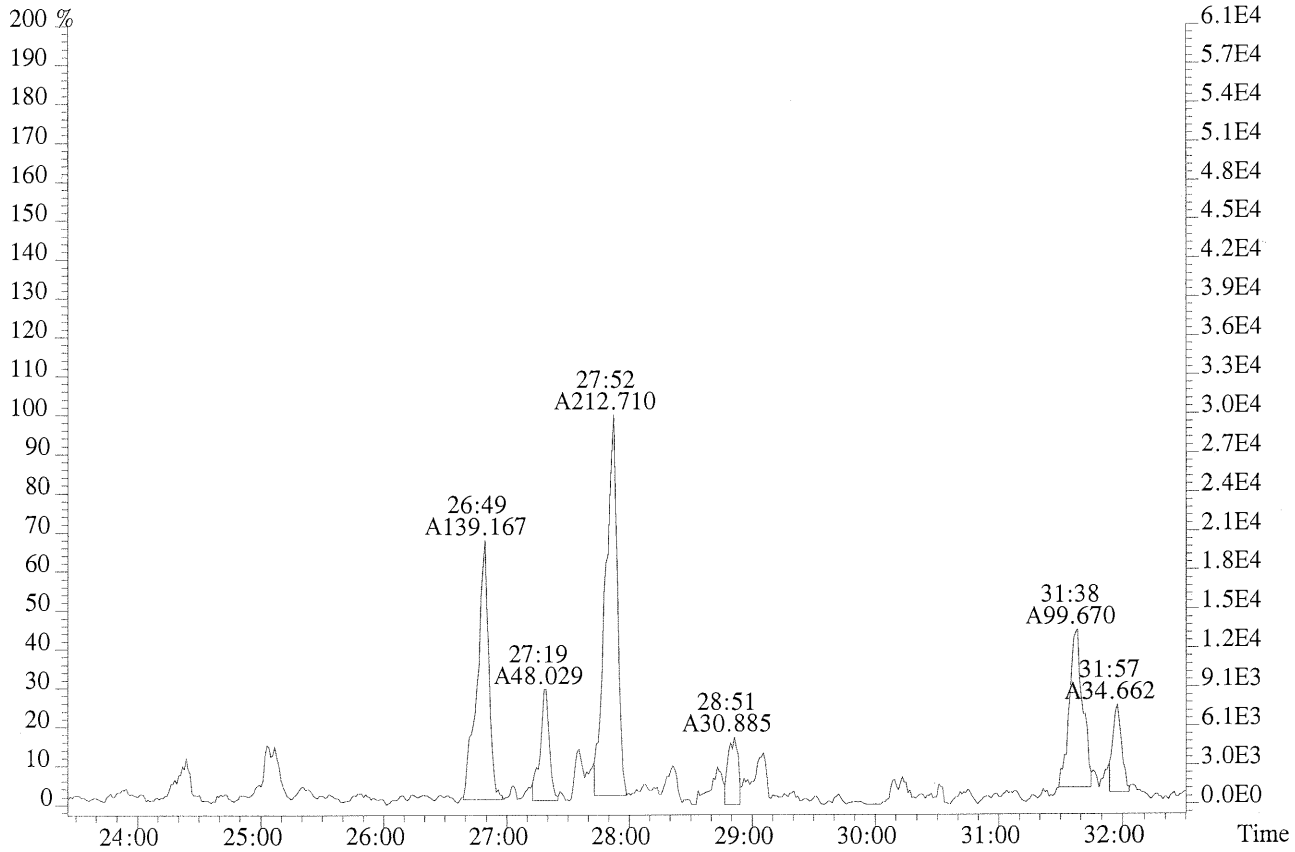
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1140.0,1.00%,F,T)



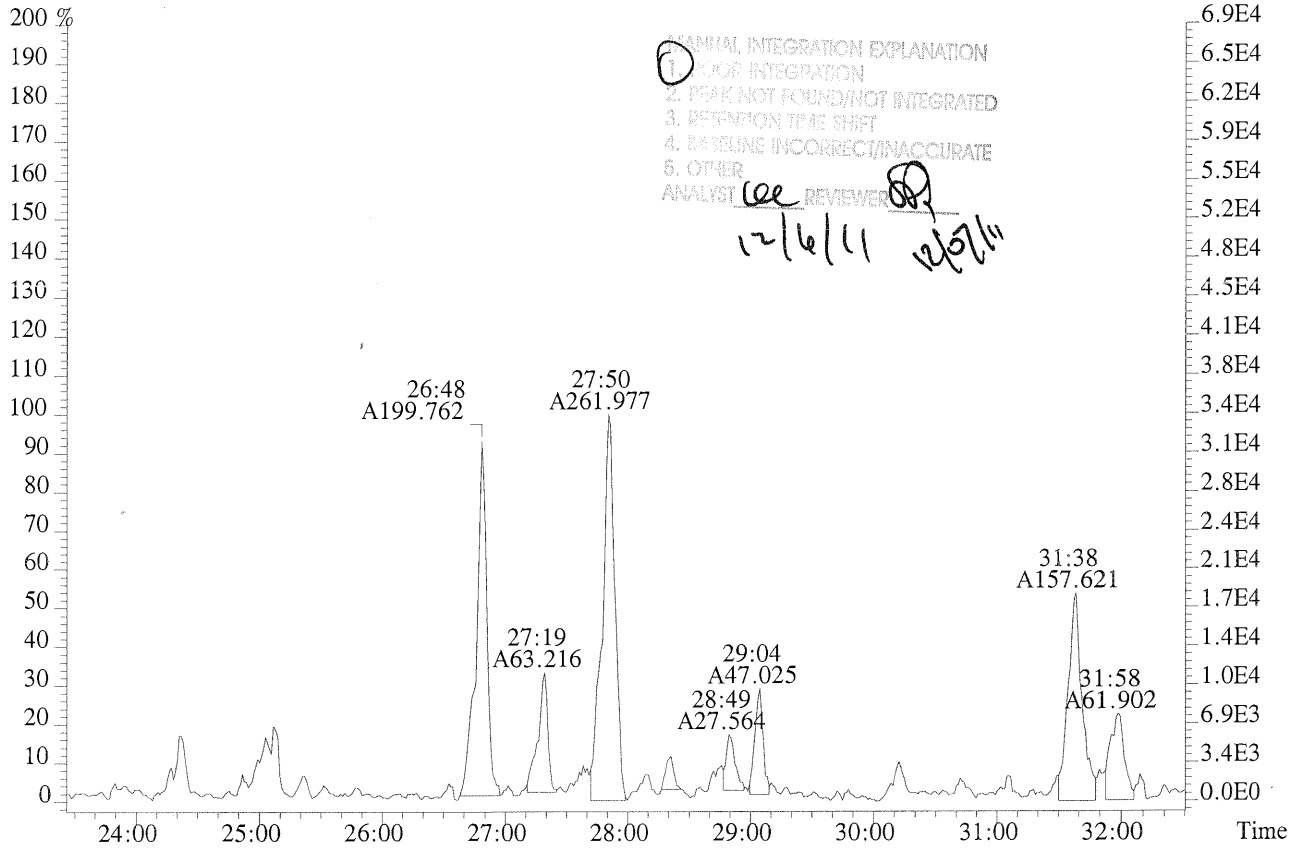
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142168 #1-580 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-004 KC91- 156L
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)

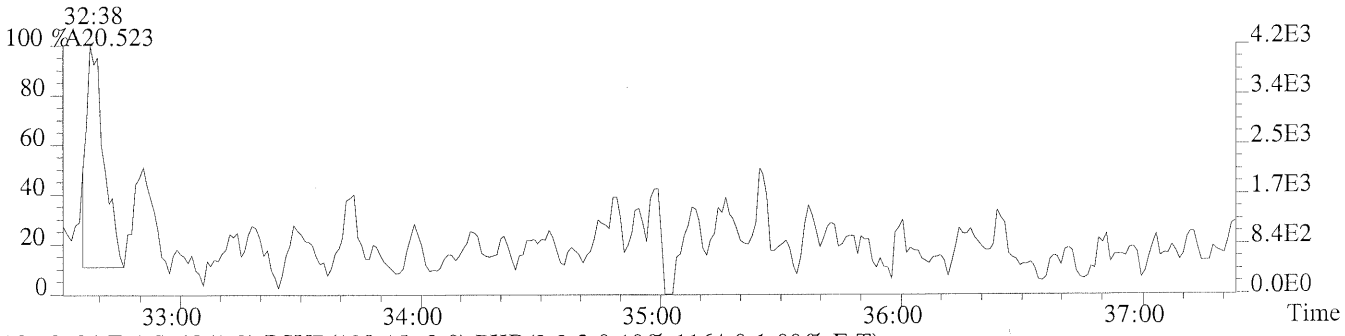


291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)

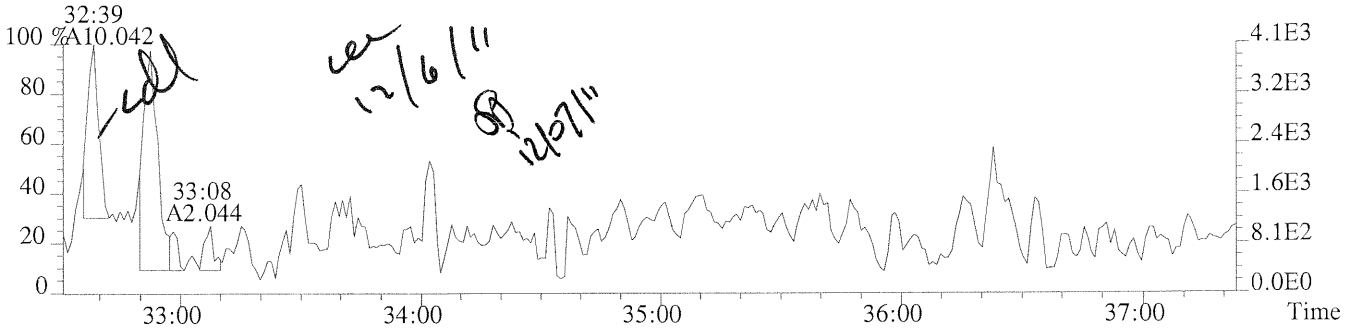


File:U142168 #1-312 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

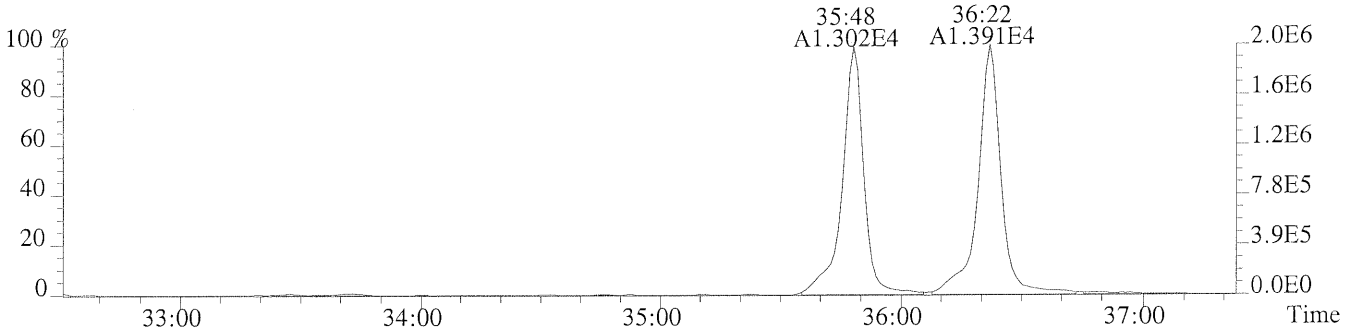
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)



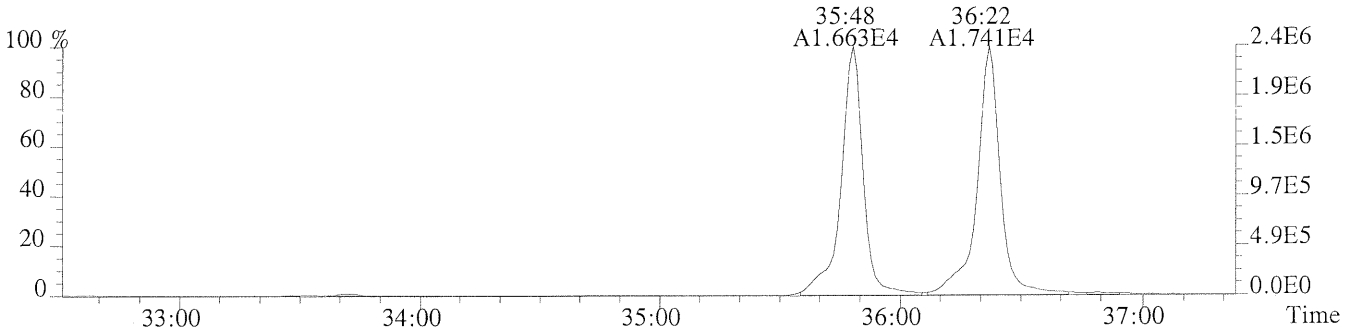
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1164.0,1.00%,F,T)



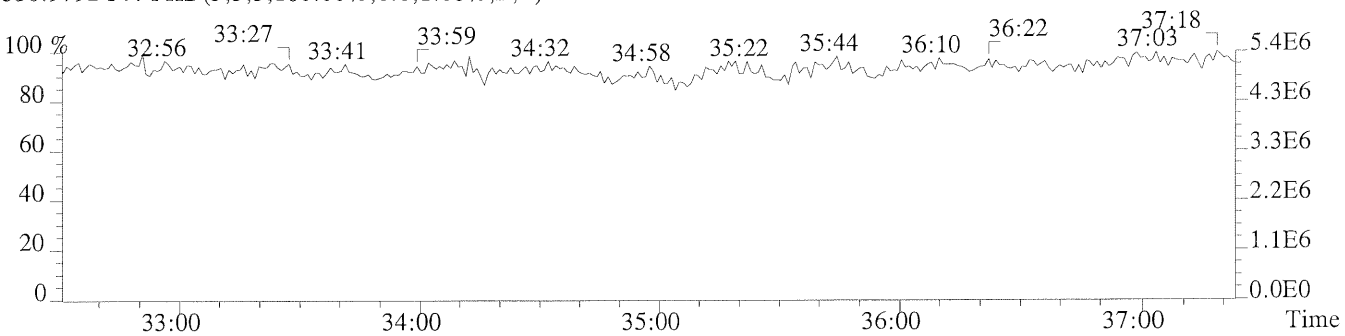
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1756.0,1.00%,F,T)



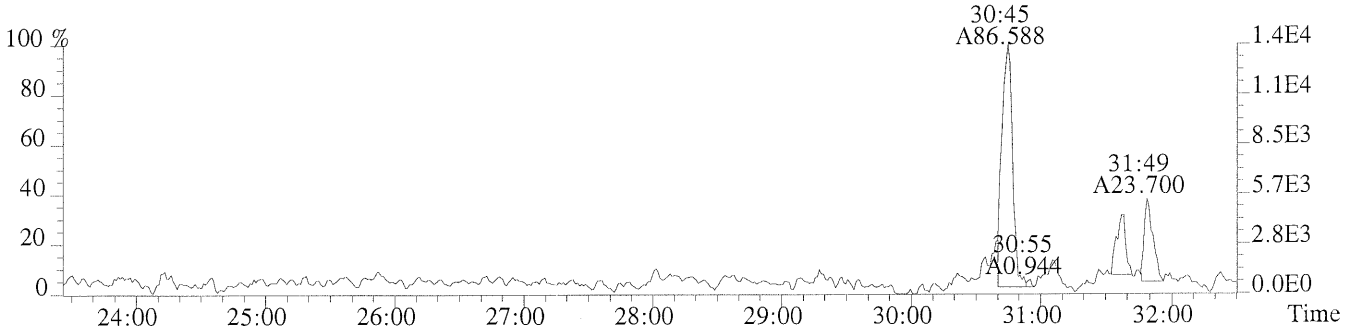
303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1064.0,1.00%,F,T)



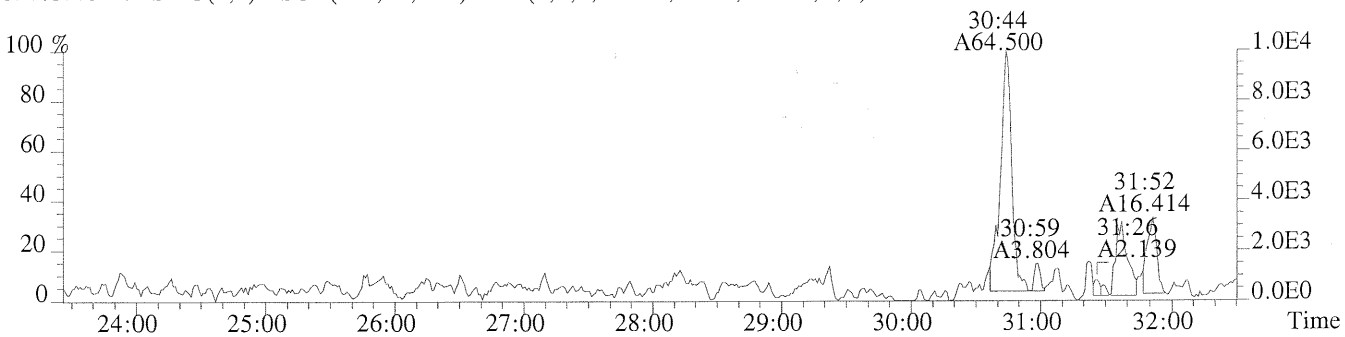
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



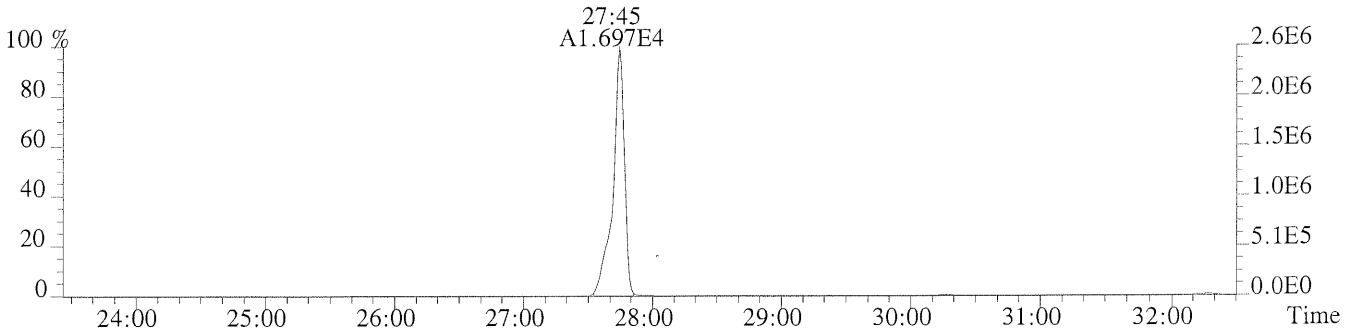
File:U142168 #1-580 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,920.0,1.00%,F,T)



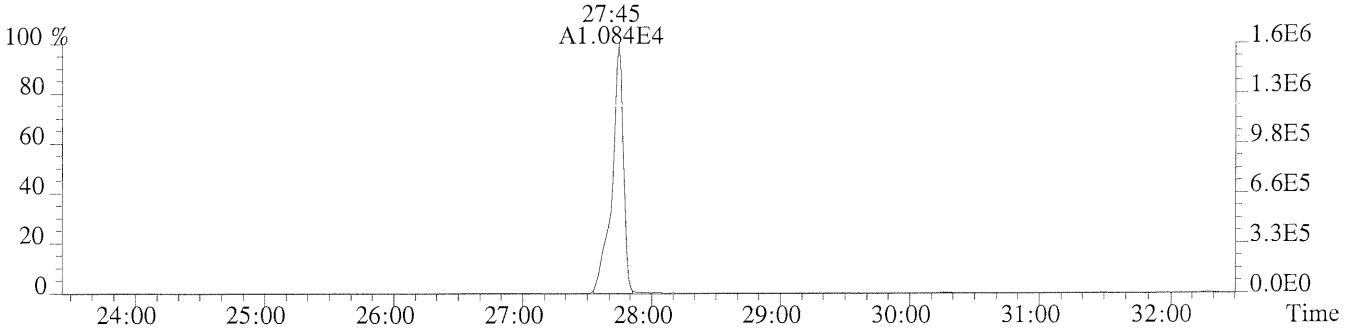
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,620.0,1.00%,F,T)



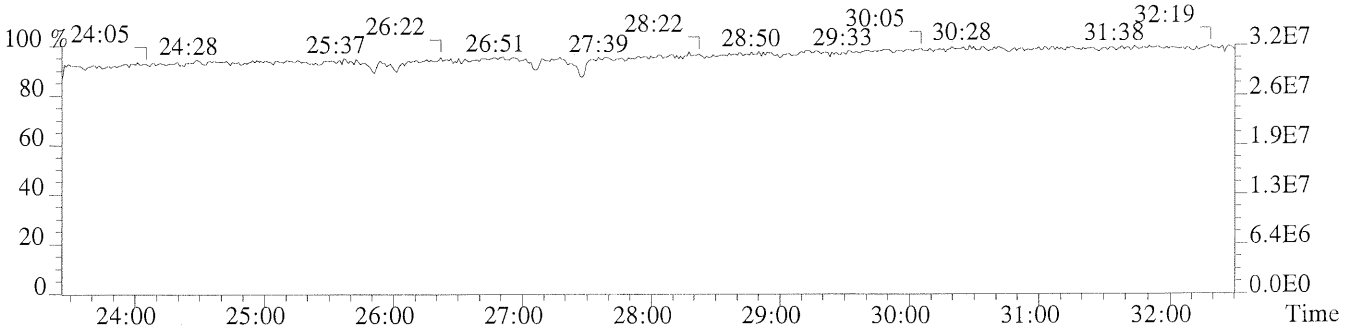
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,568.0,1.00%,F,T)



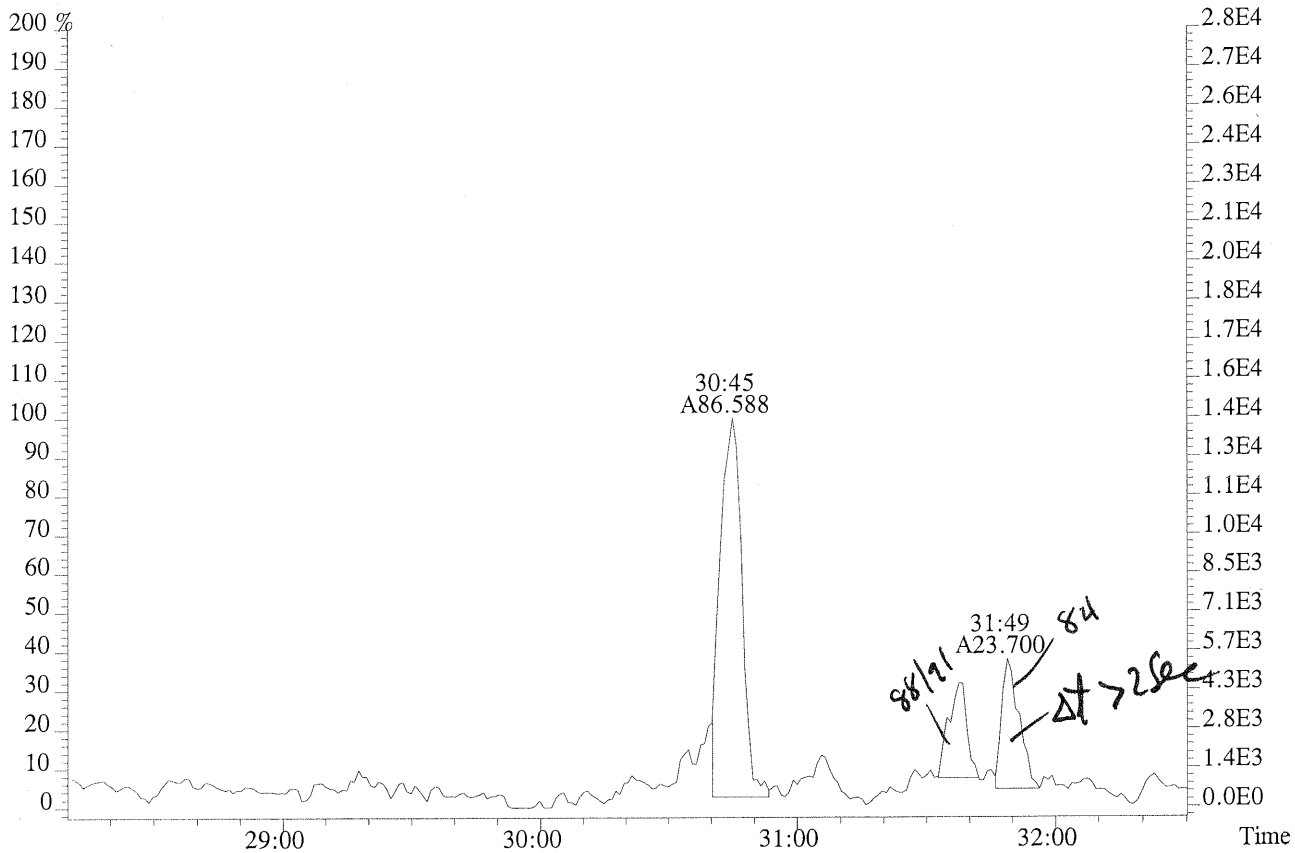
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,736.0,1.00%,F,T)



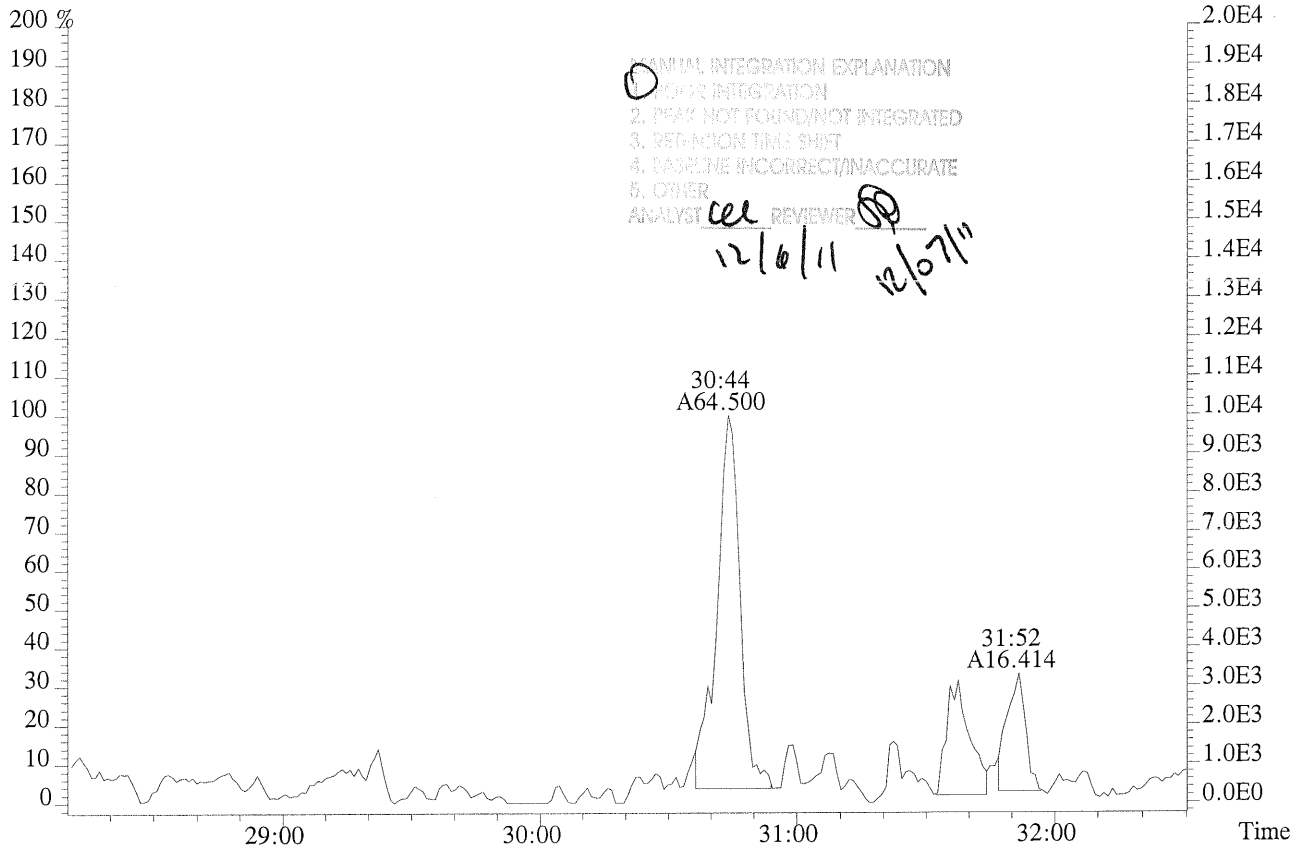
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142168 #1-580 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-004 KC91- 156L
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,920.0,1.00%,F,T)

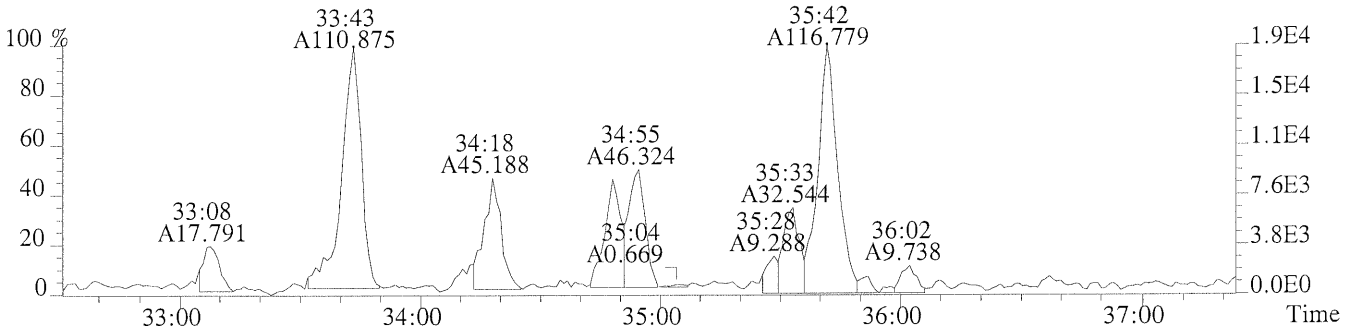


327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,620.0,1.00%,F,T)

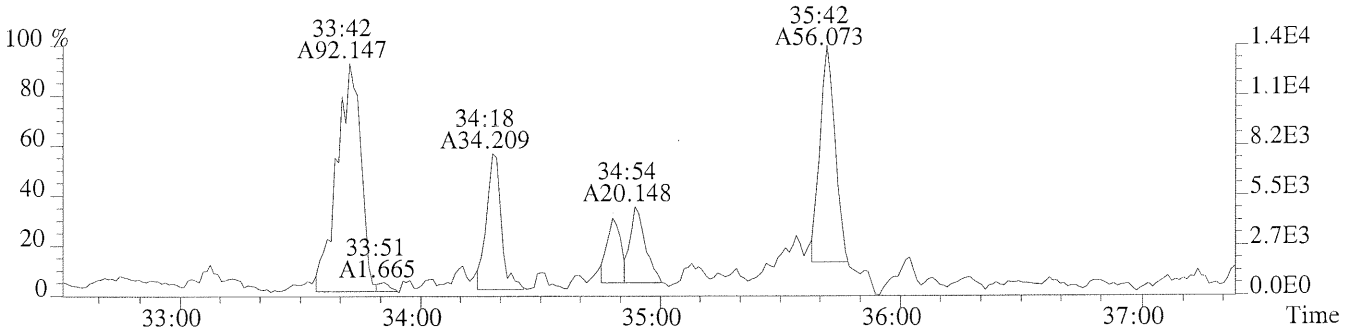


File:U142168 #1-312 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

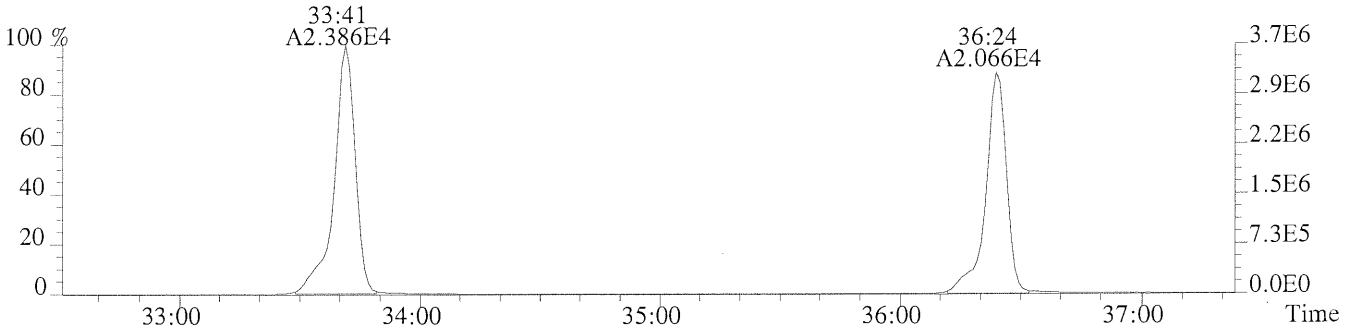
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,884.0,1.00%,F,T)



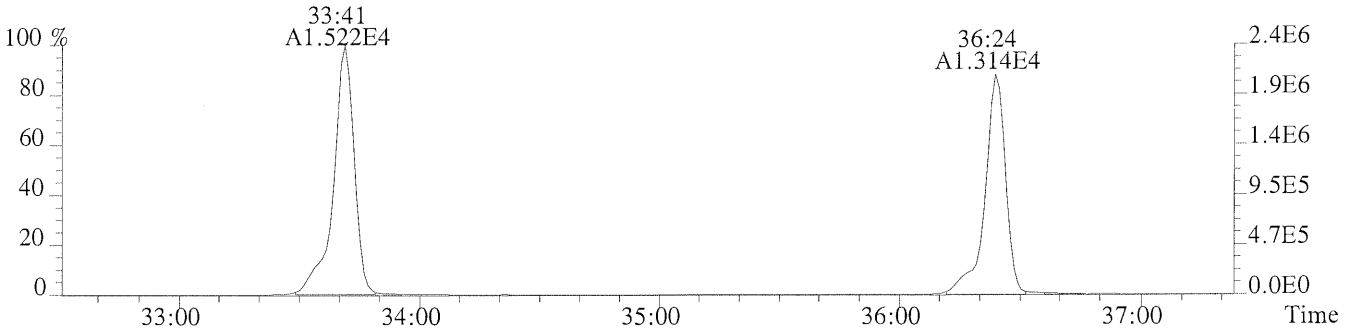
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



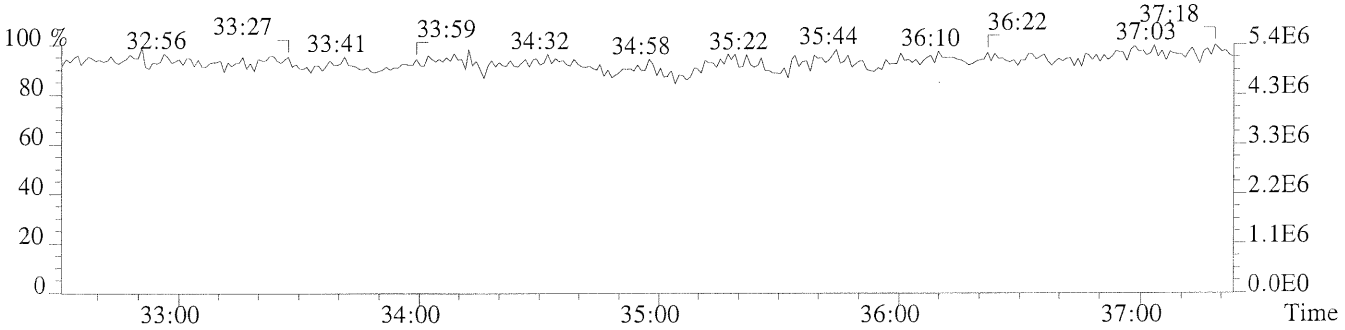
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2480.0,1.00%,F,T)



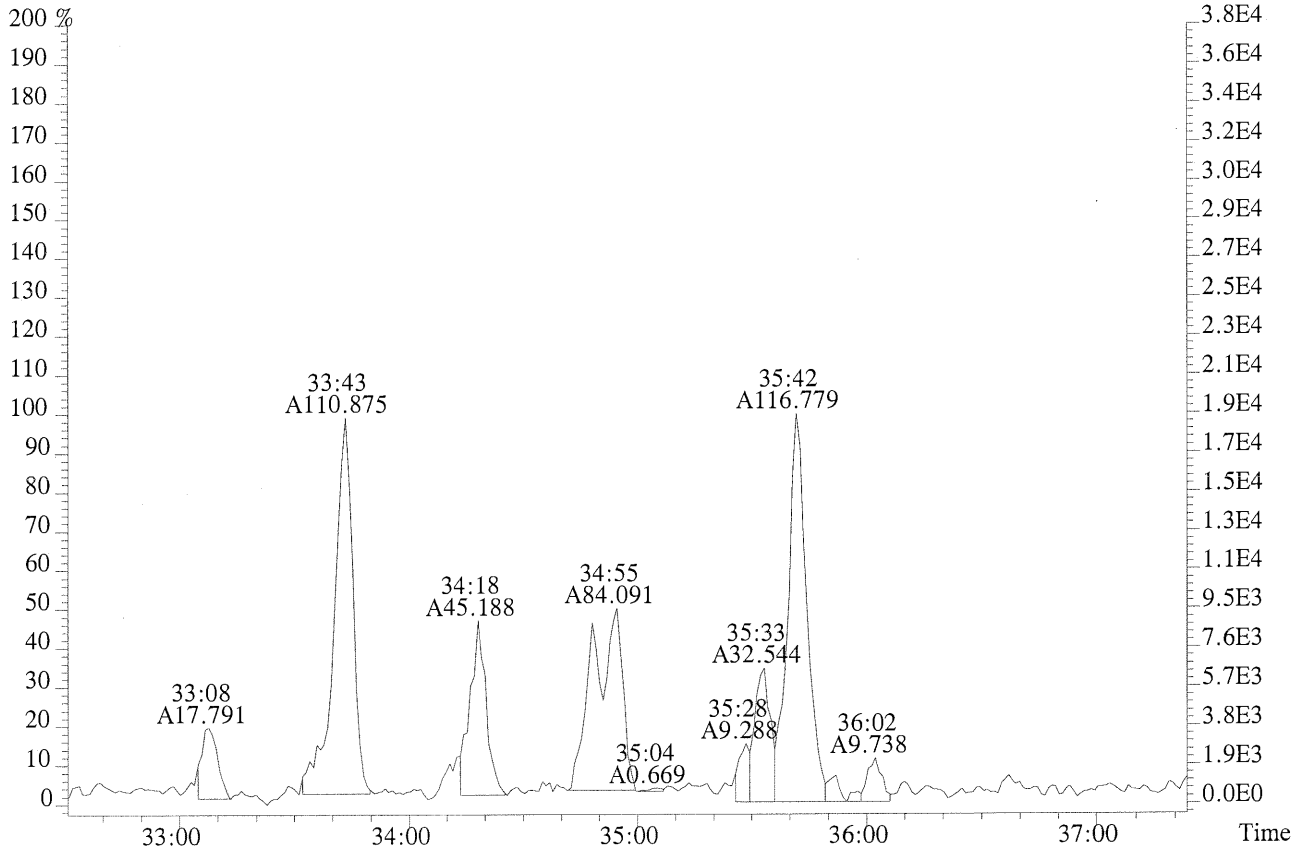
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1576.0,1.00%,F,T)



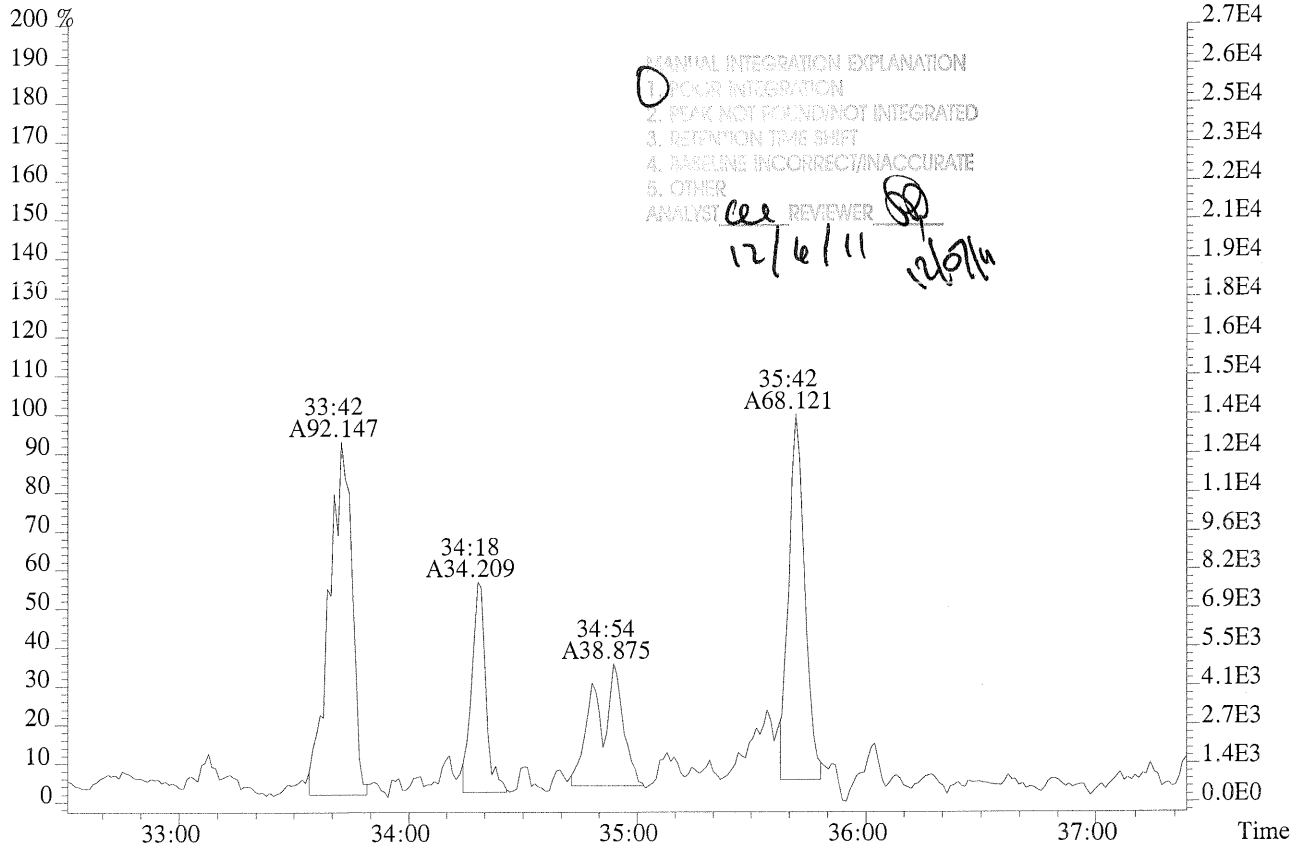
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142168 #1-312 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-004 KC91- 156L
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,884.0,1.00%,F,T)

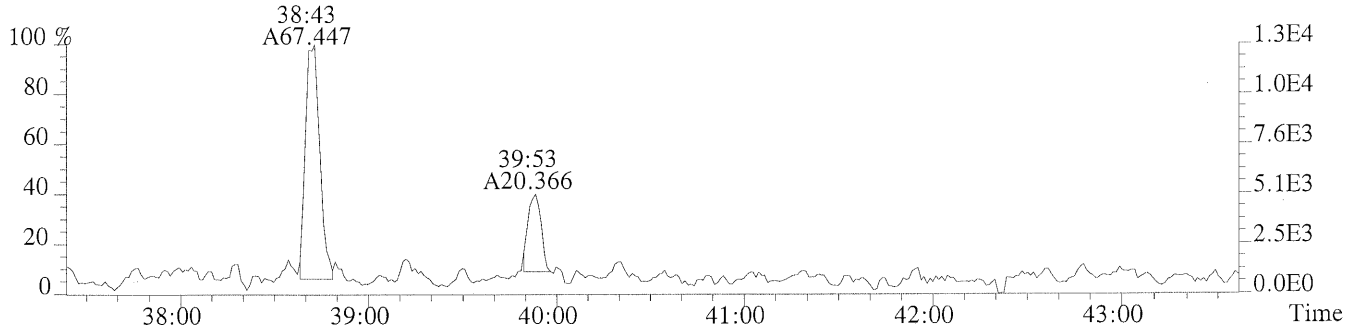


327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)

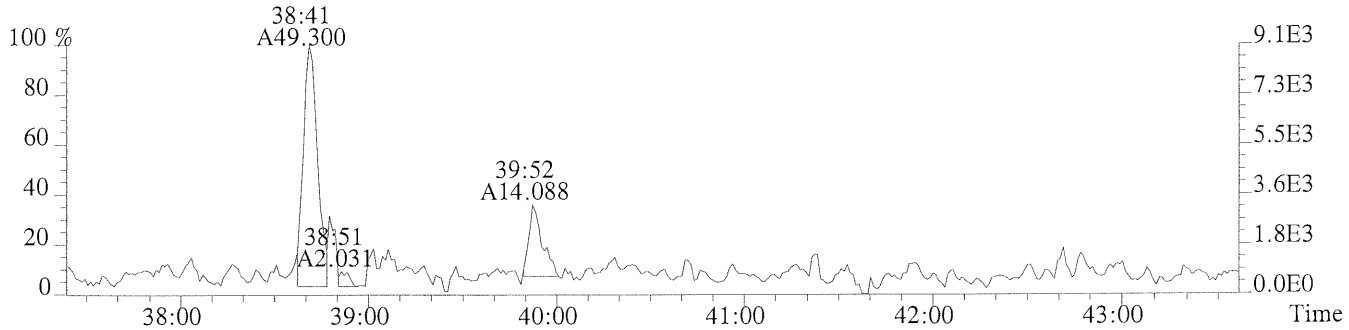


File:U142168 #1-398 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

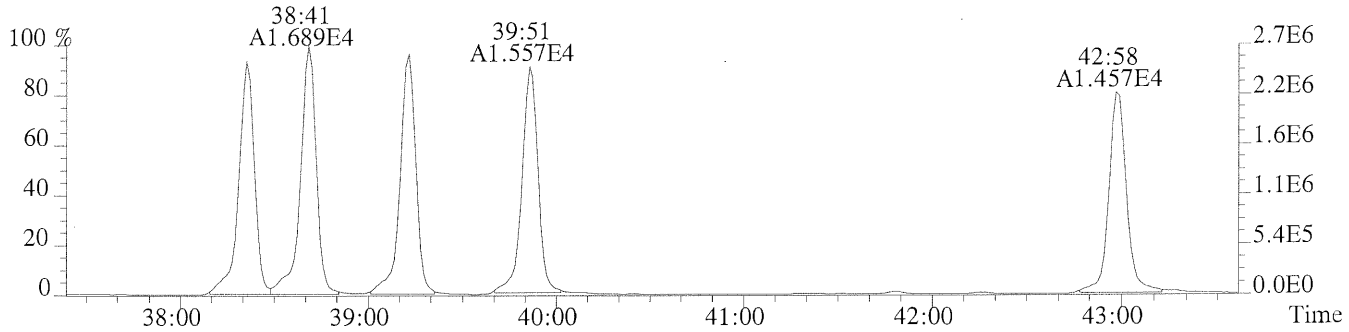
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1068.0,1.00%,F,T)



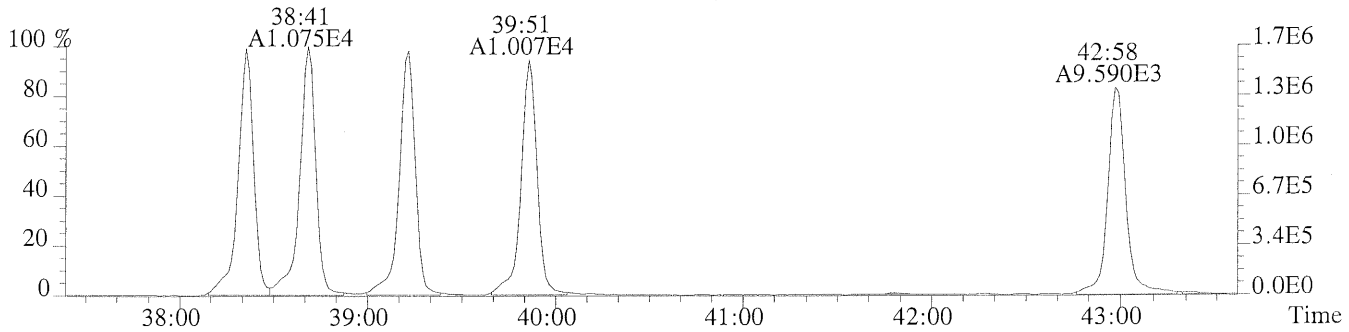
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,932.0,1.00%,F,T)



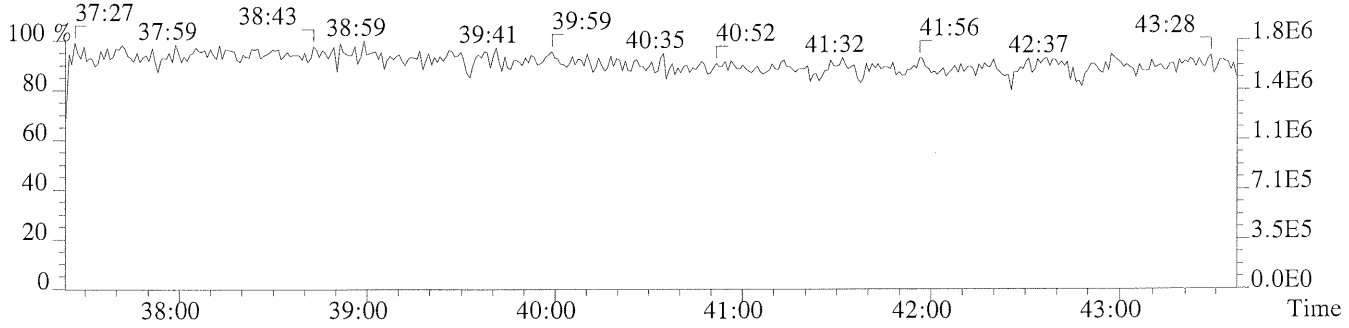
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13376.0,1.00%,F,T)



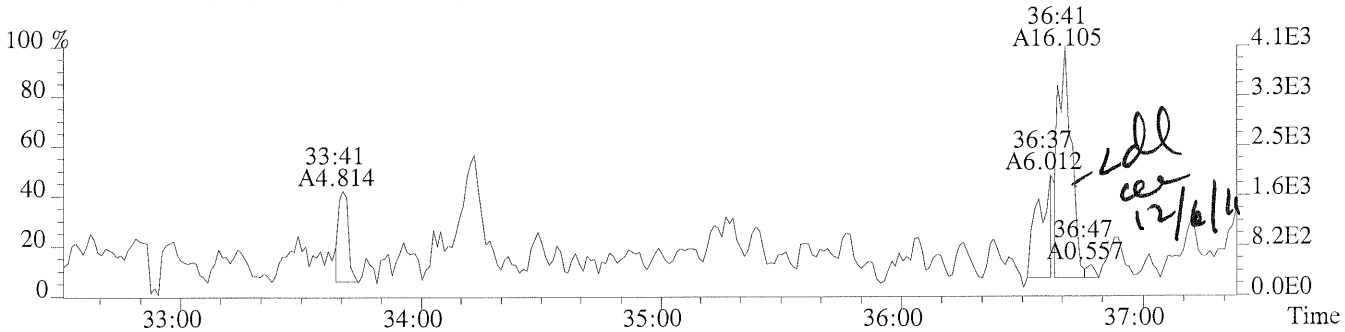
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3756.0,1.00%,F,T)



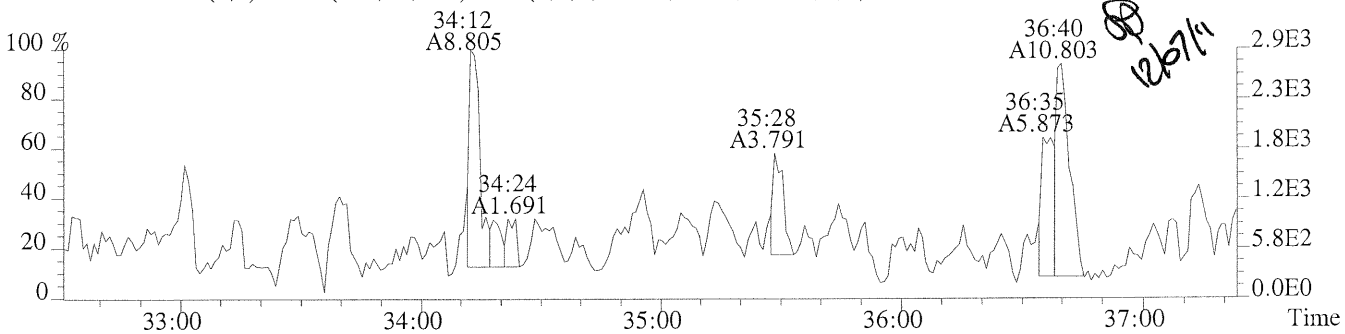
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



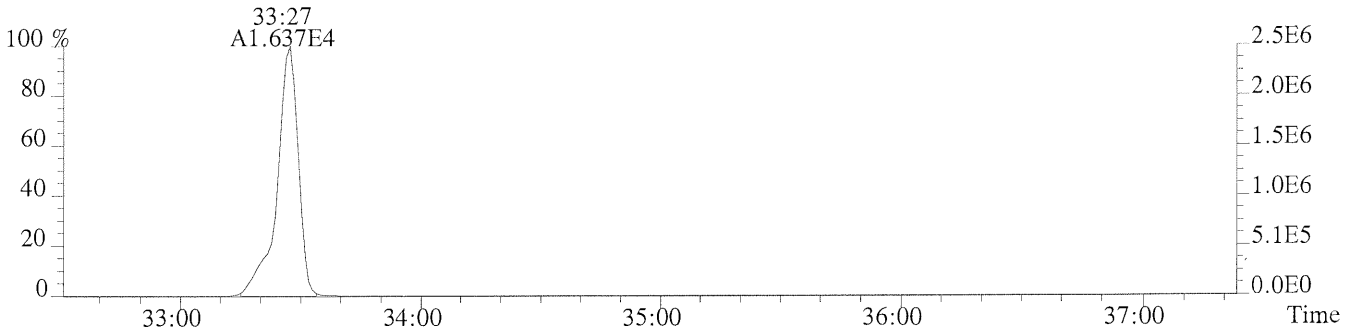
File:U142168 #1-312 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,836.0,1.00%,F,T)



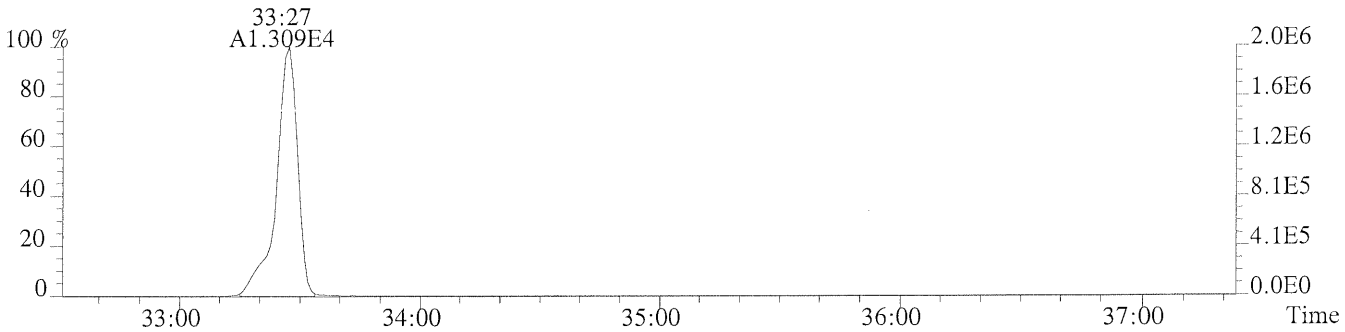
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



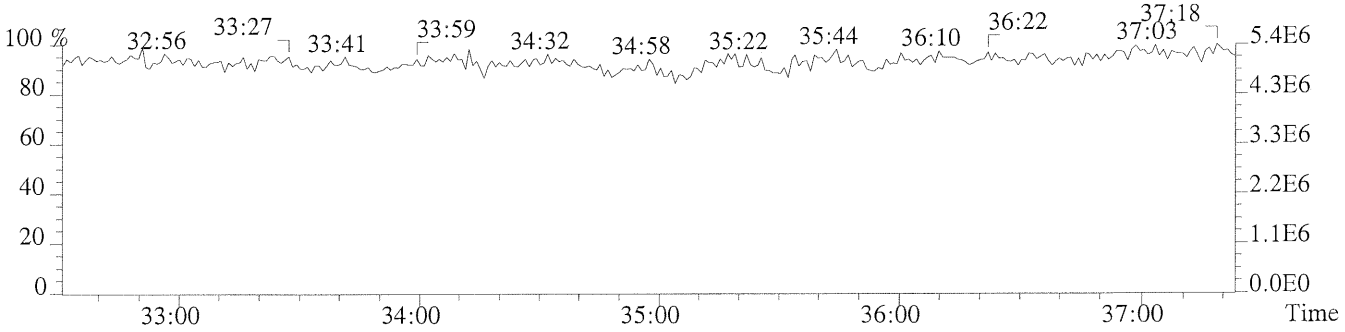
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1264.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1208.0,1.00%,F,T)

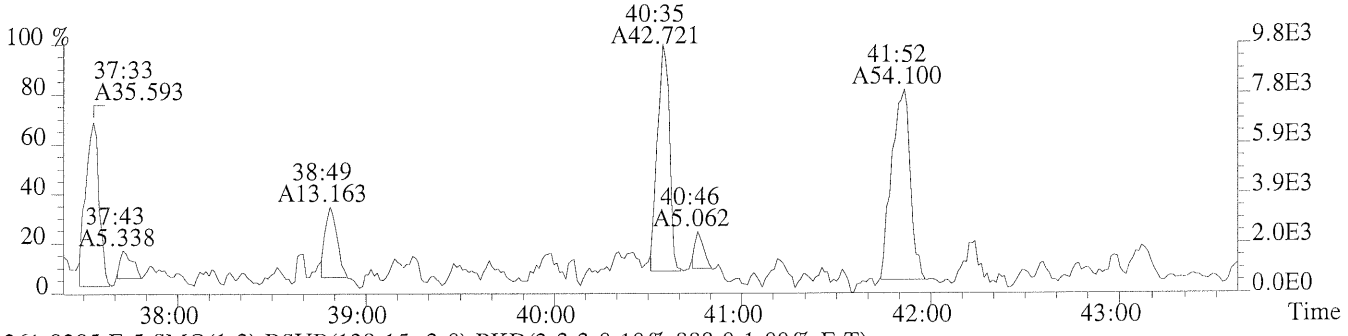


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

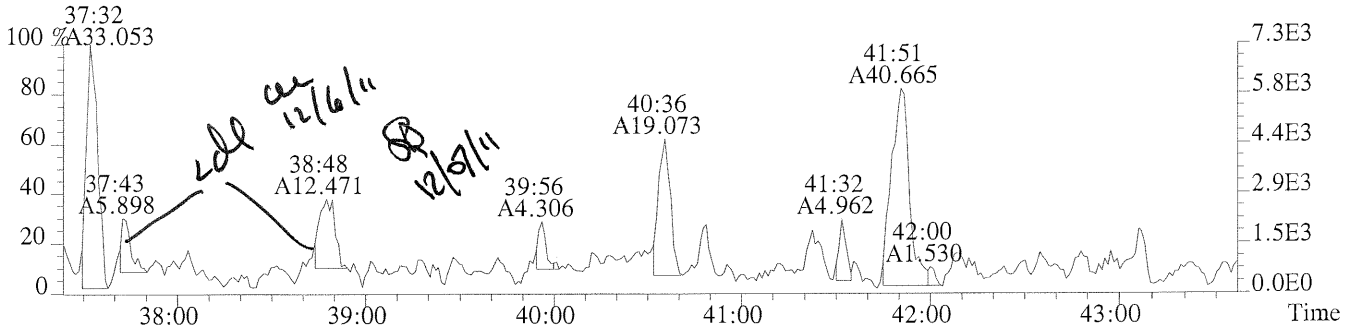


File:U142168 #1-398 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)



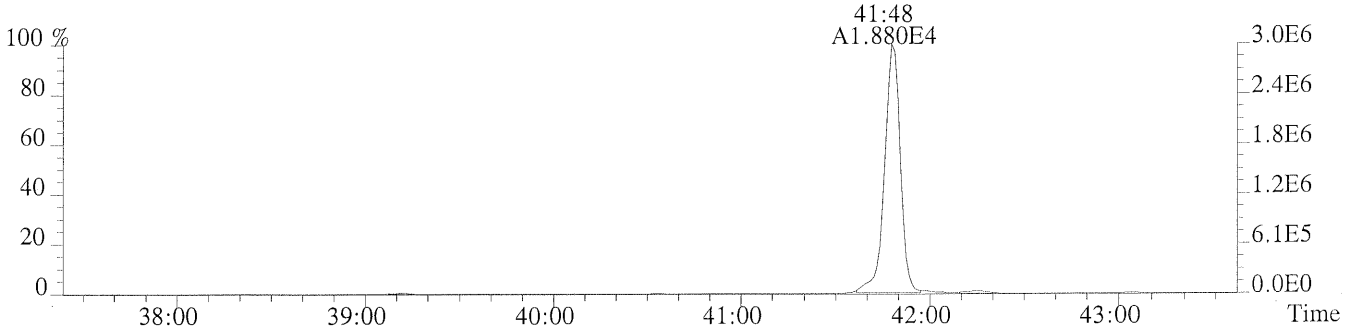
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,888.0,1.00%,F,T)



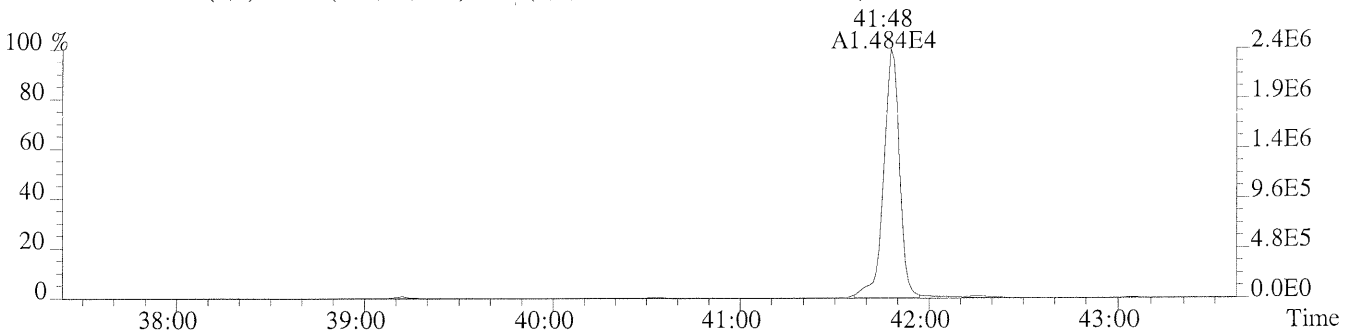
cdl 12/6/11

SR 12/9/11

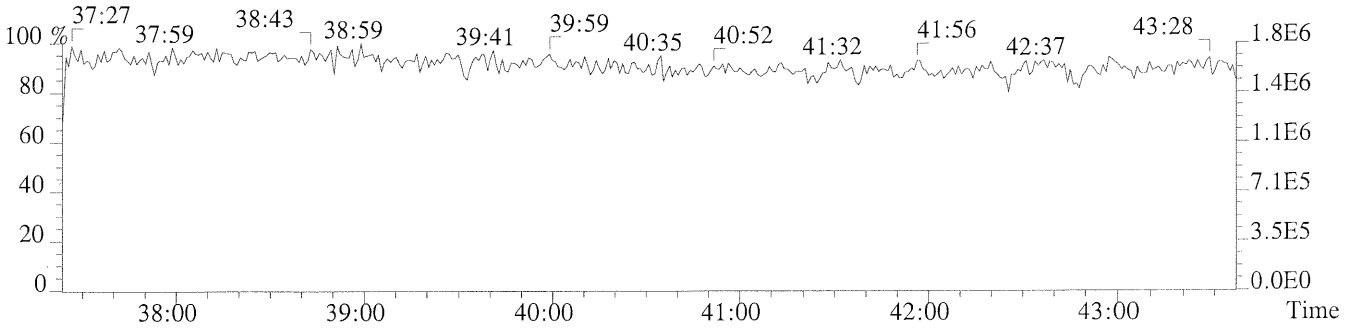
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,952.0,1.00%,F,T)



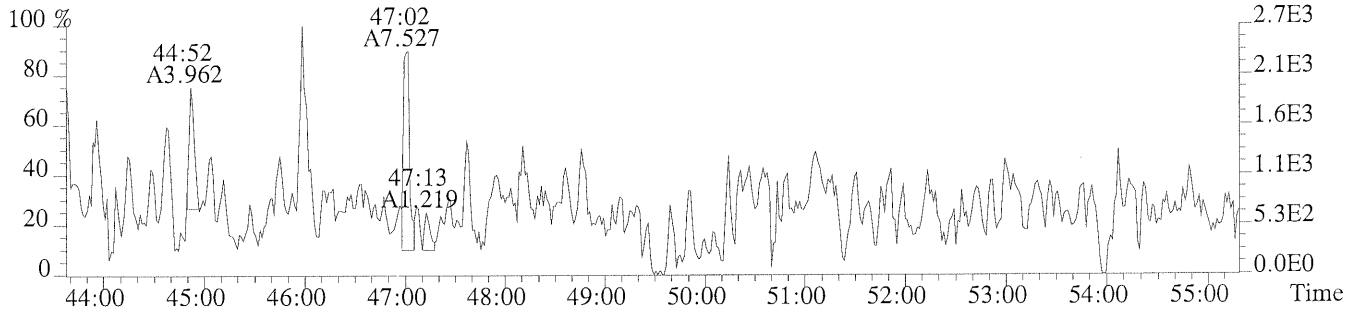
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,732.0,1.00%,F,T)



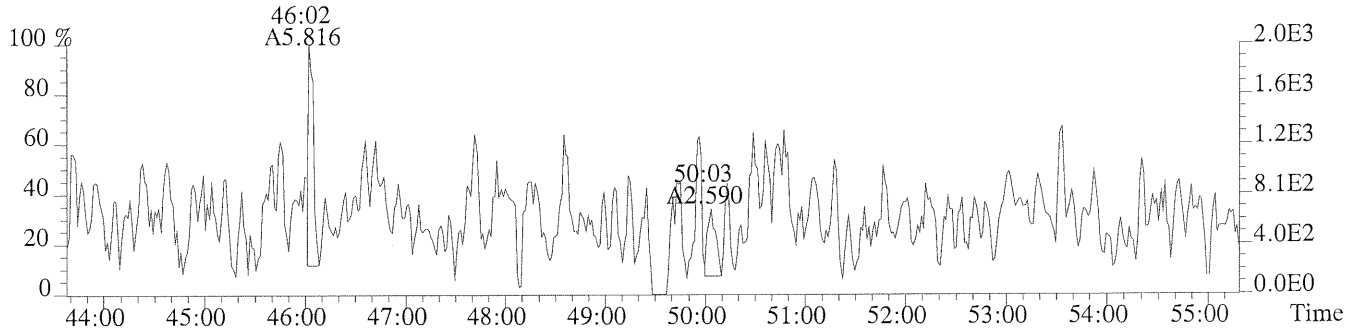
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



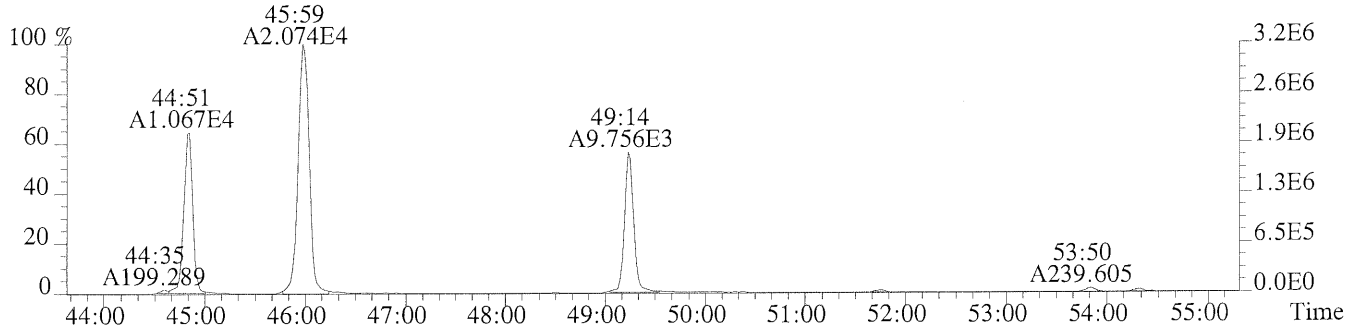
File:U142168 #1-579 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



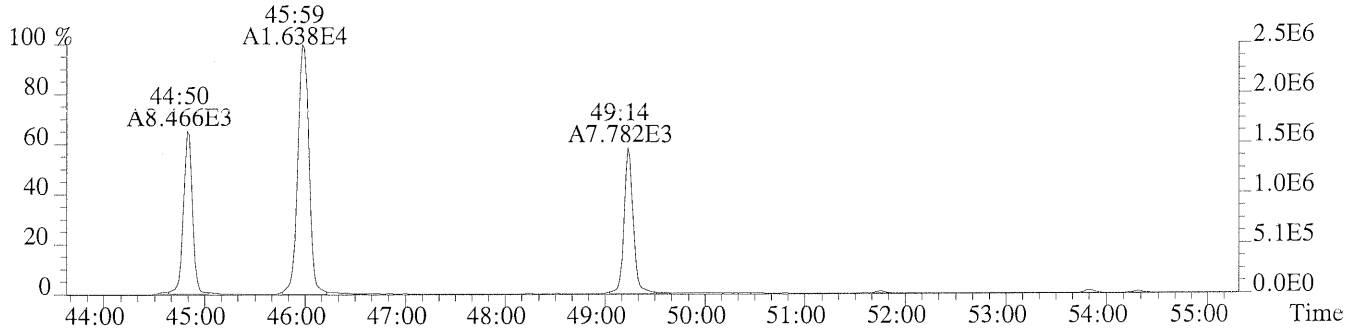
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,808.0,1.00%,F,T)



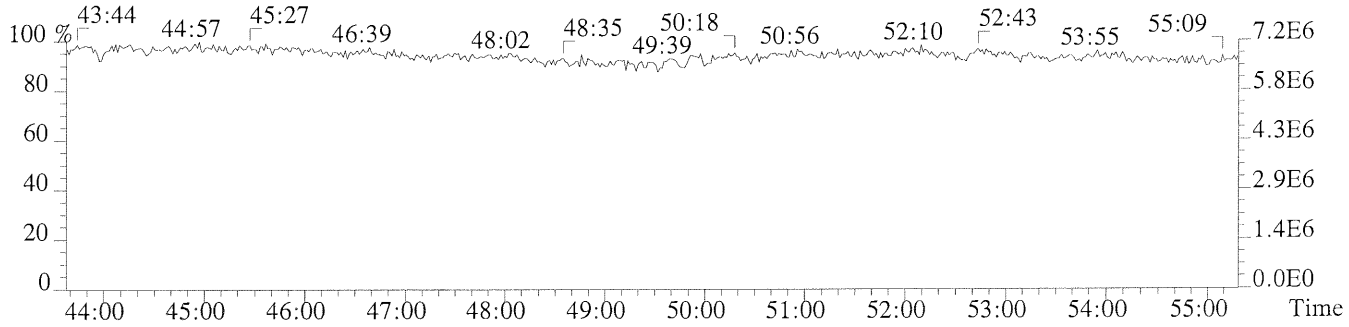
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3040.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3024.0,1.00%,F,T)

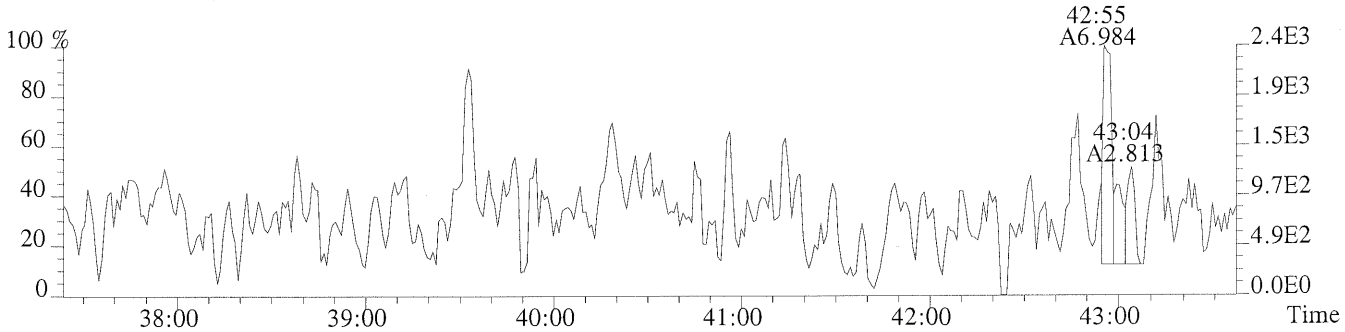


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

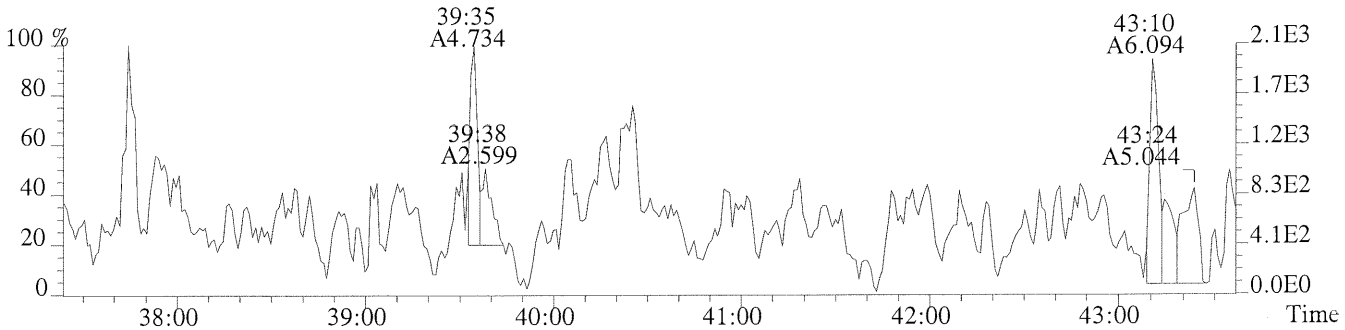


File:U142168 #1-398 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

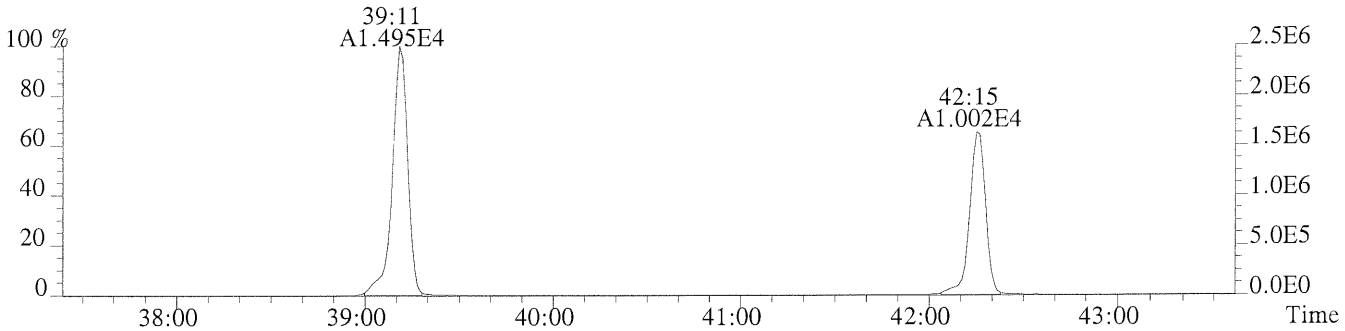
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



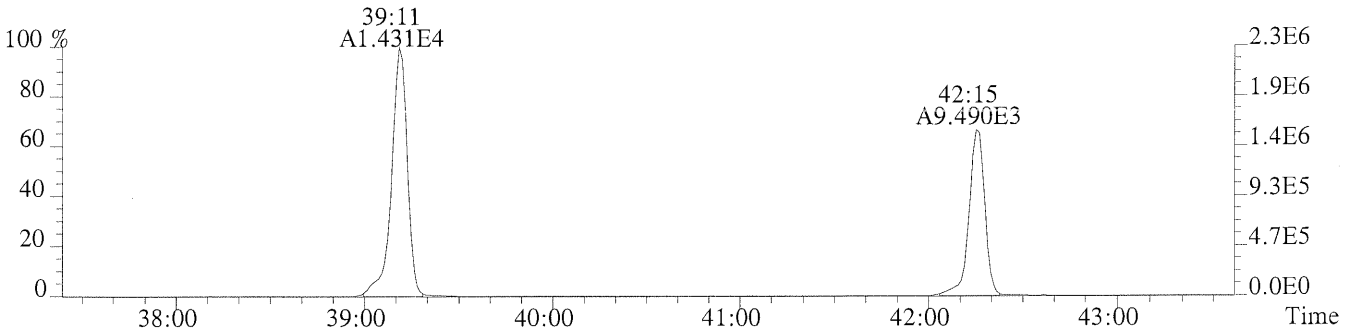
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,768.0,1.00%,F,T)



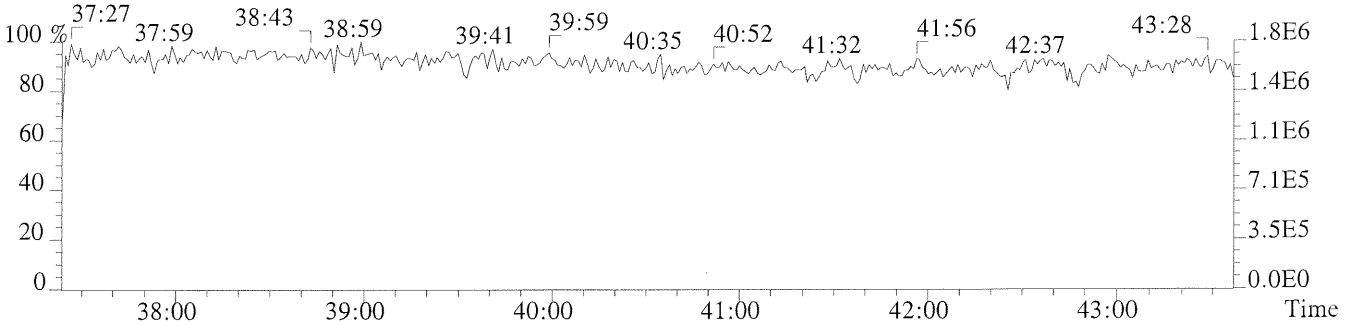
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,768.0,1.00%,F,T)



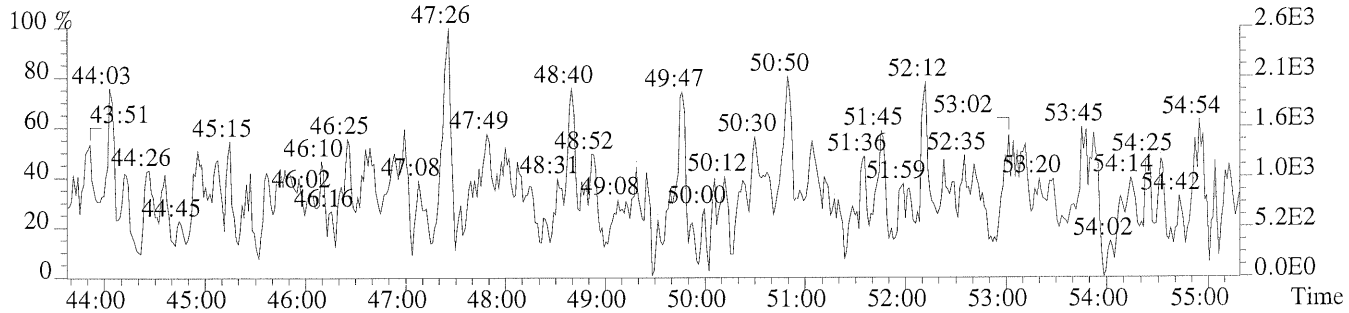
407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,672.0,1.00%,F,T)



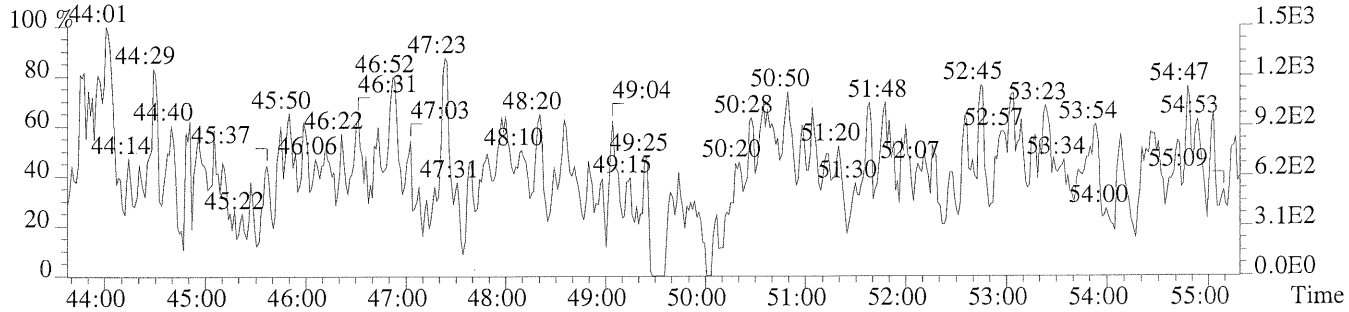
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



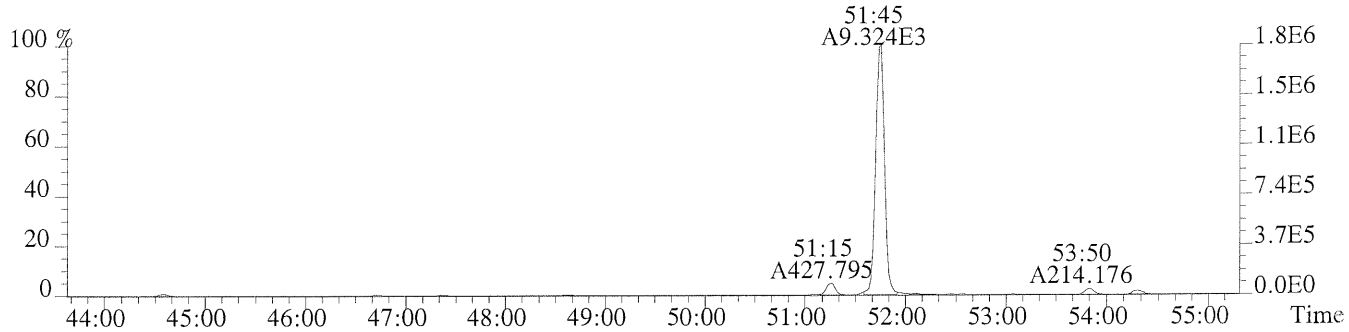
File:U142168 #1-579 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)



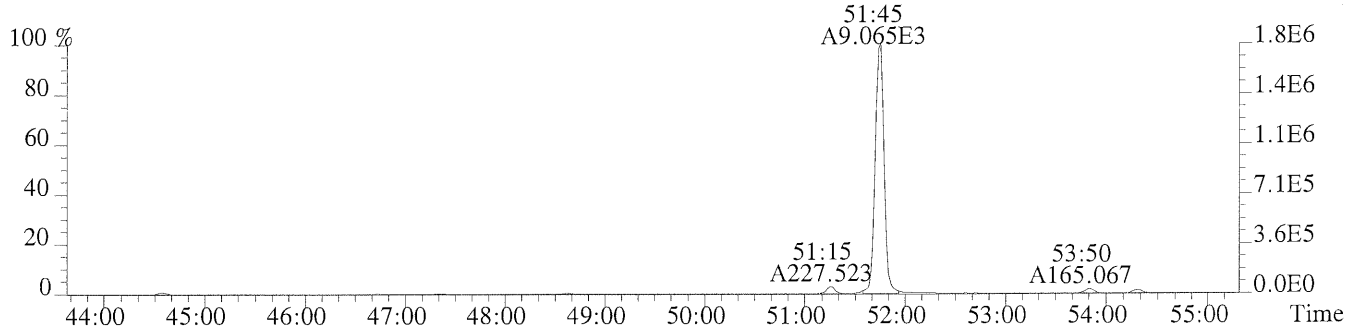
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)



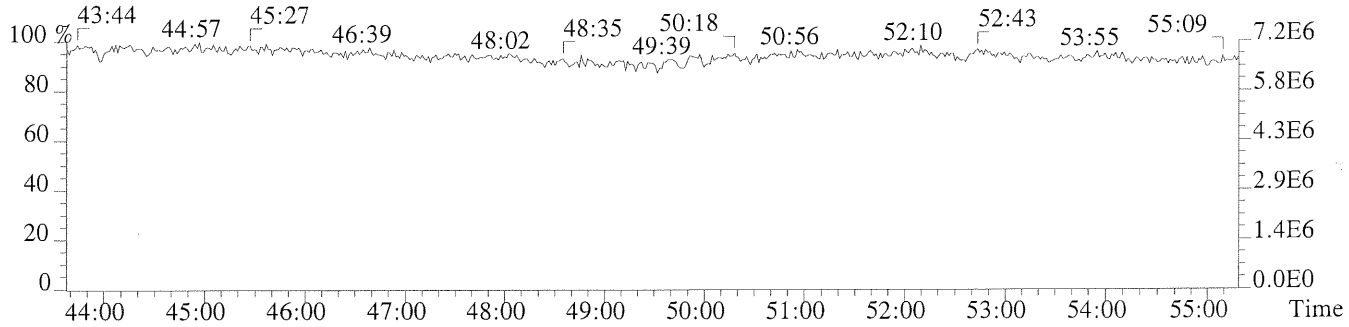
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1144.0,1.00%,F,T)



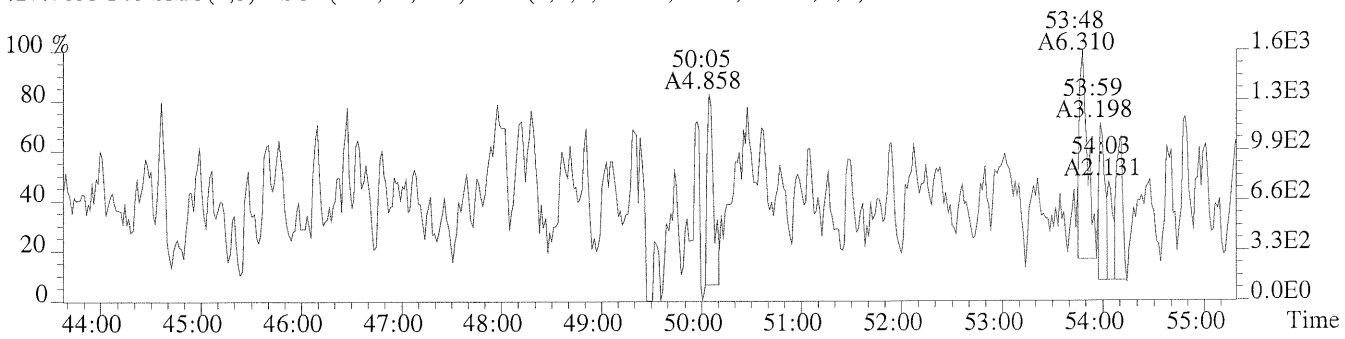
407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)



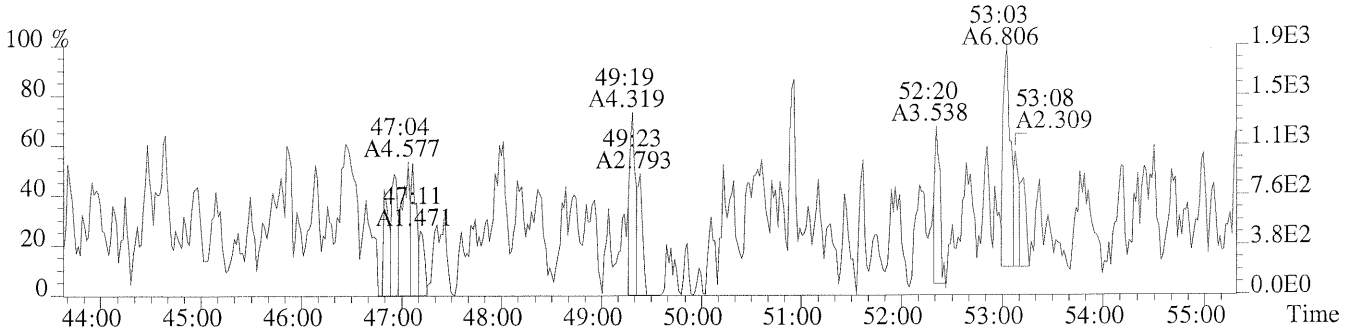
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



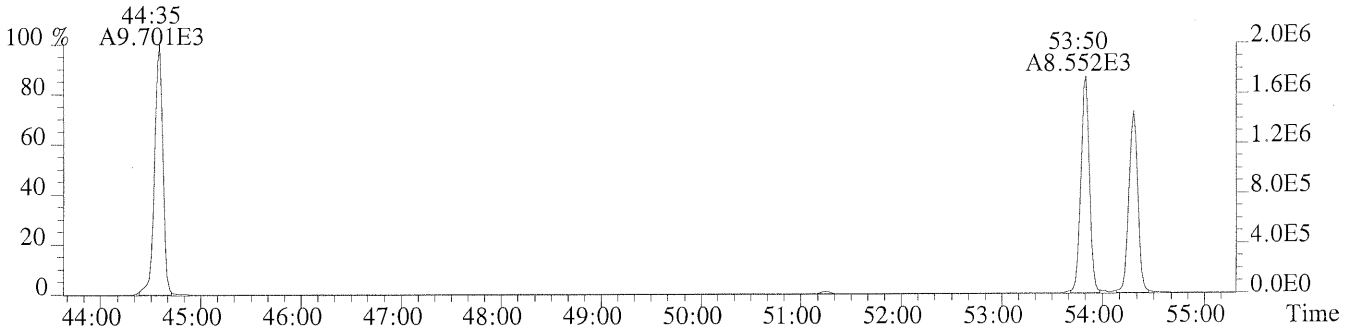
File:U142168 #1-579 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



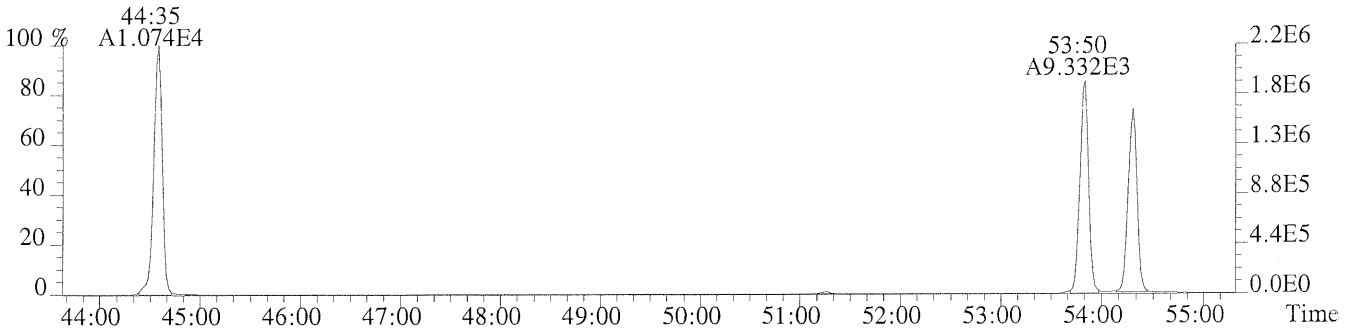
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,664.0,1.00%,F,T)



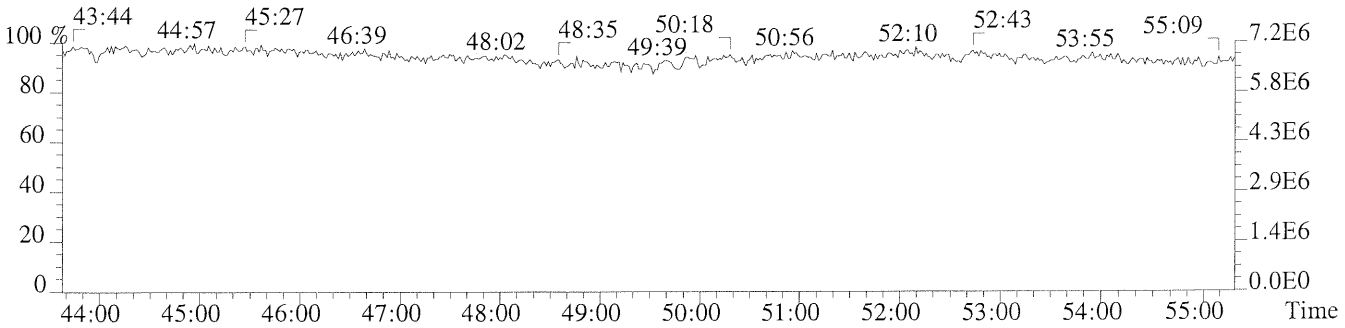
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,640.0,1.00%,F,T)



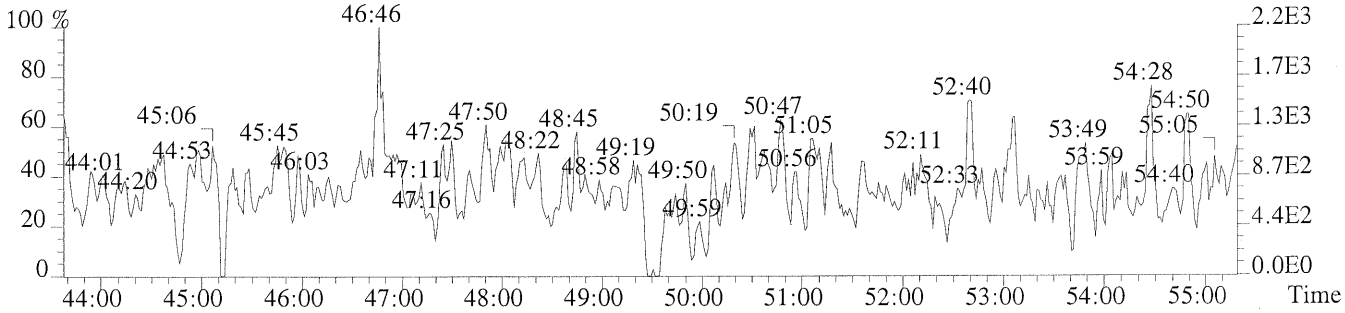
441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,788.0,1.00%,F,T)



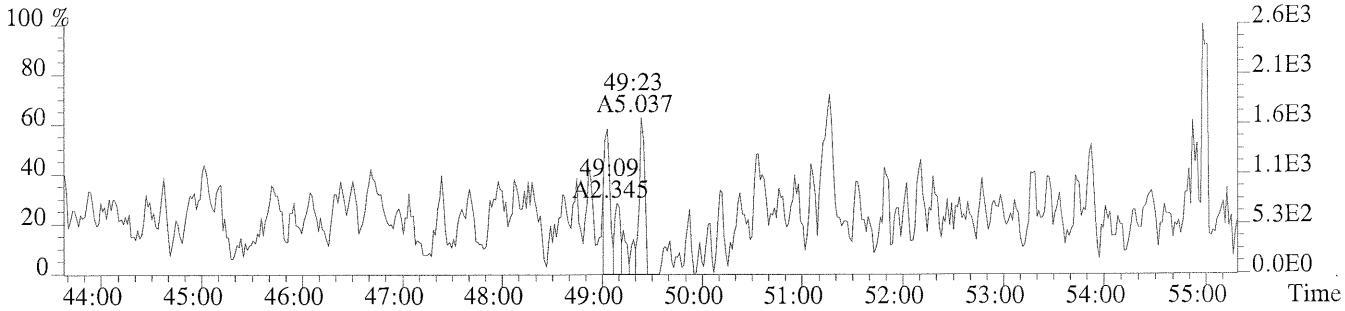
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



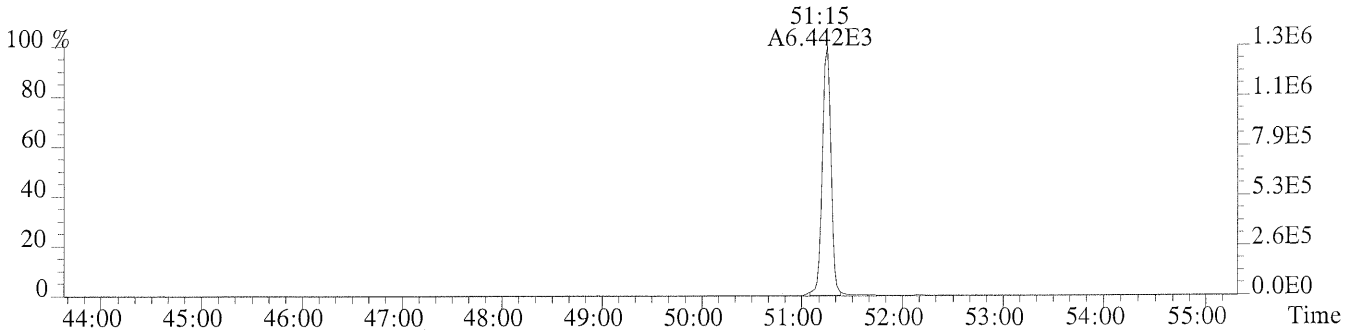
File:U142168 #1-579 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)



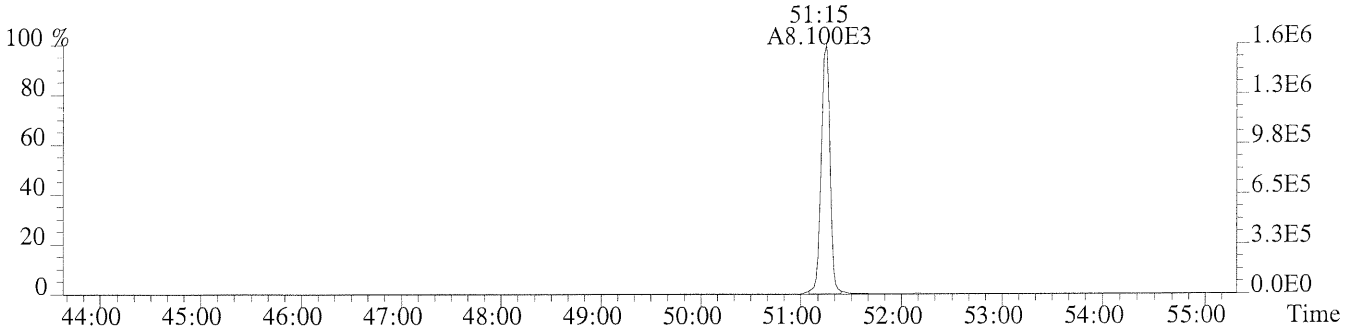
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,800.0,1.00%,F,T)



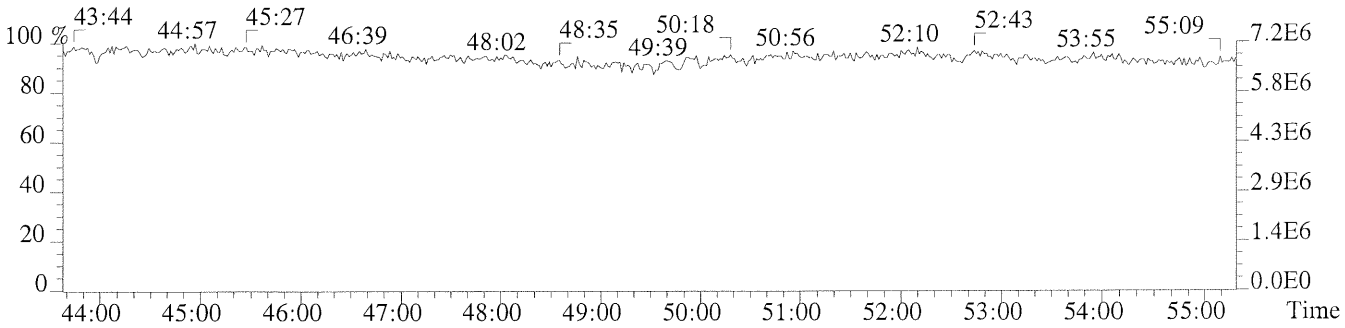
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,748.0,1.00%,F,T)



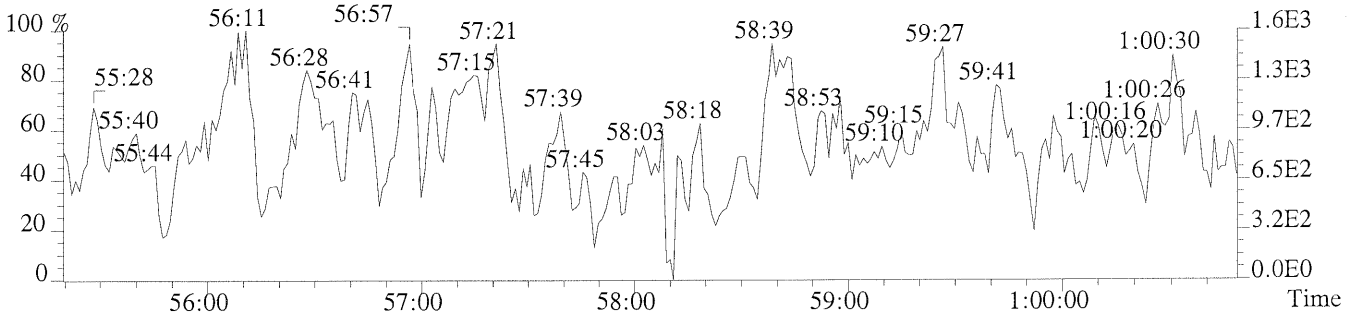
475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,784.0,1.00%,F,T)



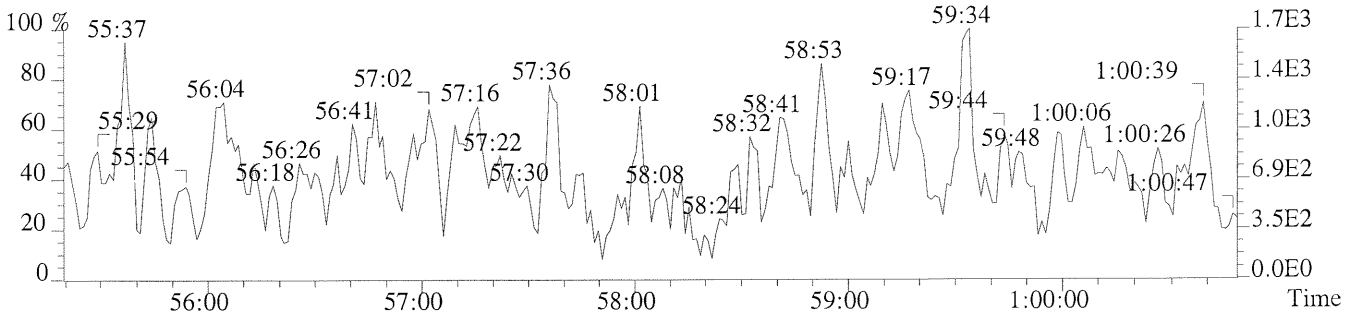
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



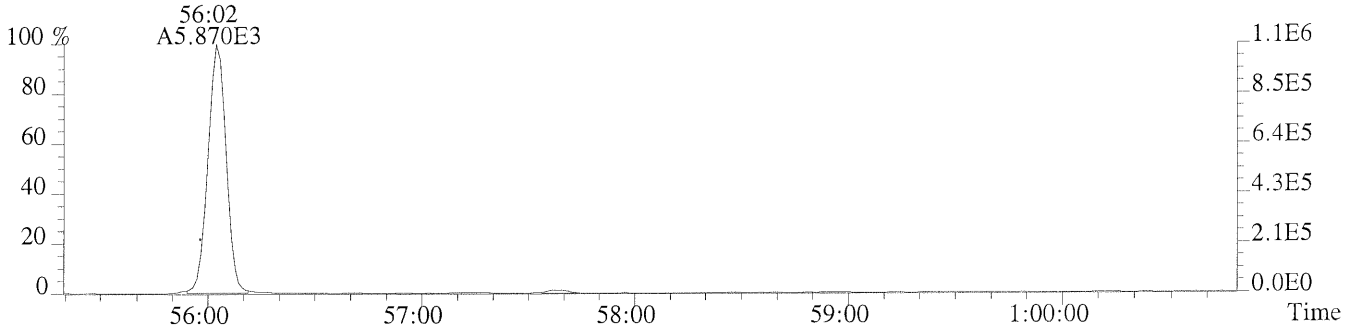
File:U142168 #1-310 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1156.0,1.00%,F,T)



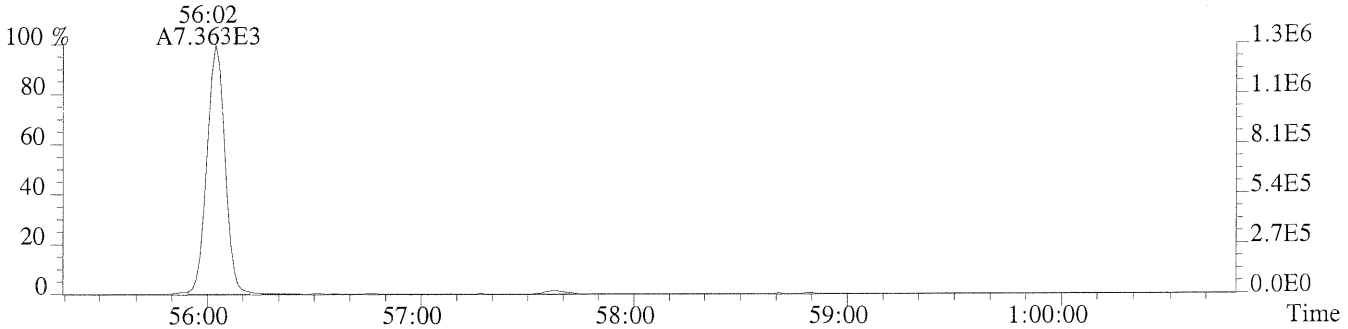
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



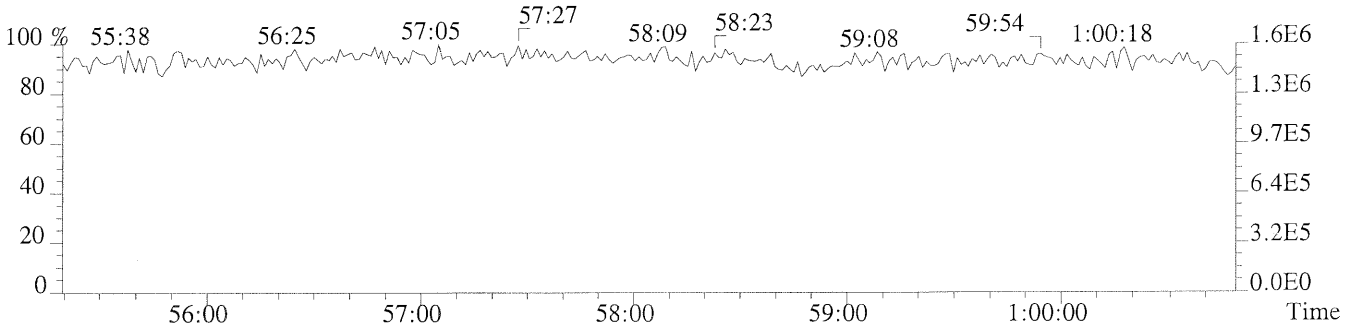
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1744.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1064.0,1.00%,F,T)

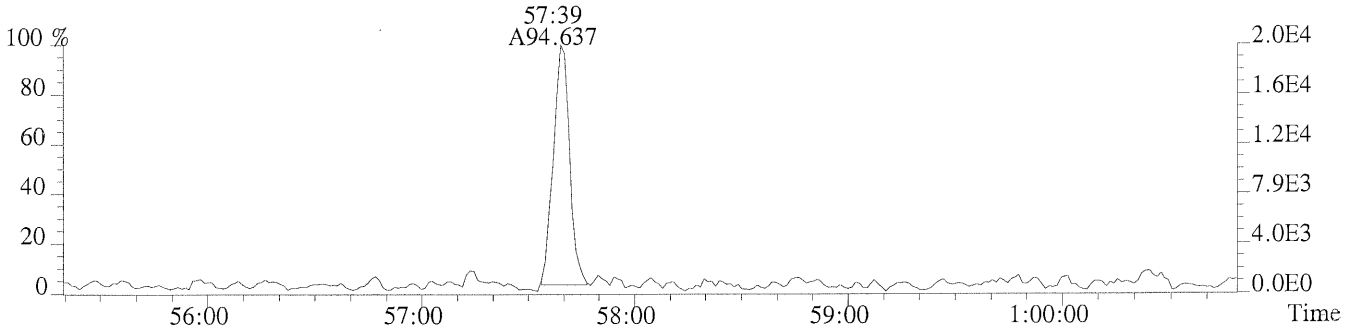


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

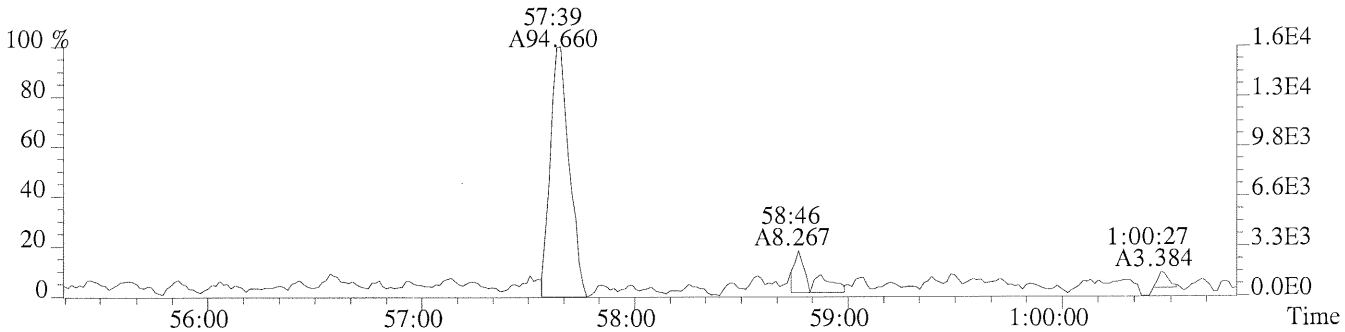


File:U142168 #1-310 Acq:23-NOV-2011 11:12:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-004 KC91- 156L

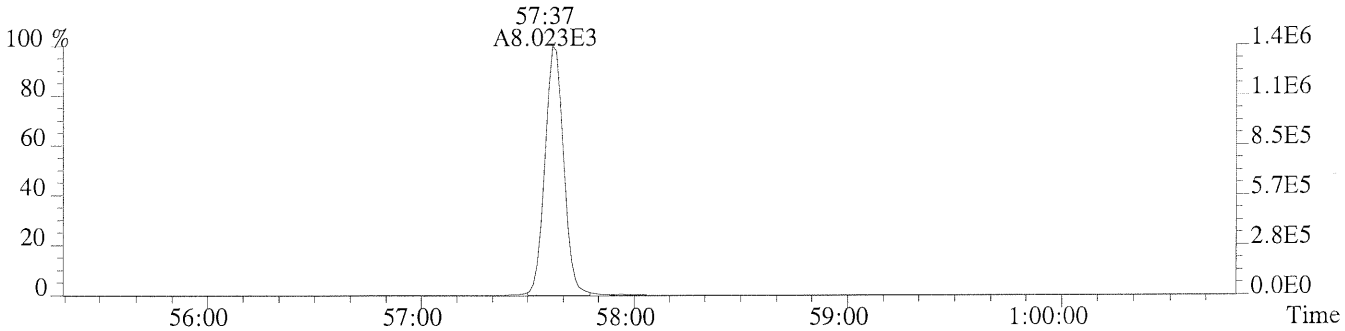
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,908.0,1.00%,F,T)



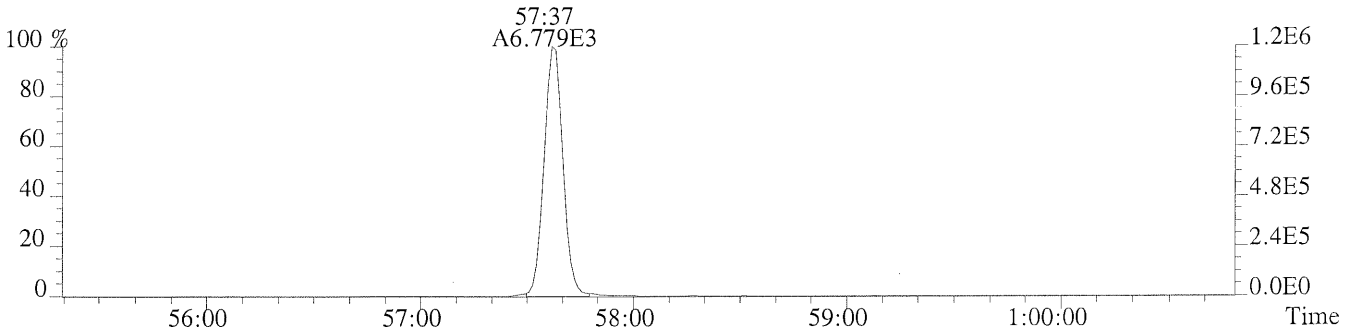
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



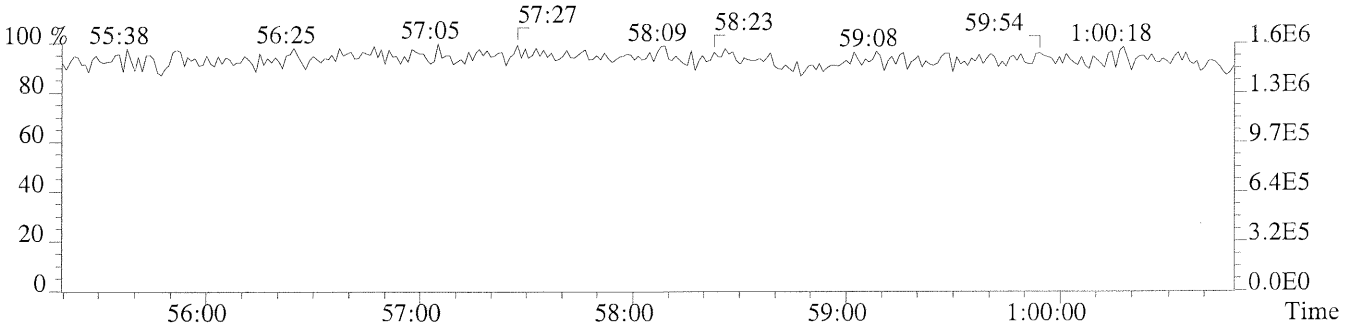
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,624.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,584.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
KC91-152L

Run #12 Filename U142177 Samp: 1 Inj: 1 Acquired: 26-NOV-11 10:11:57
Processed: 28-NOV-11 17:27:42 Sample ID: E1101076-005

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.071
2	1	PCB-2	NotFnd	*	*	*	n	n	1.128
3	1	PCB-3	15:37	5.171e+01	1.912e+01	2.70	y	n	1.036
4	1	PCB-4	NotFnd	*	*	*	n	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	1.894
6	2	PCB-9	NotFnd	*	*	*	n	n	1.272
7	2	PCB-7	NotFnd	*	*	*	n	n	1.250
8	2	PCB-6	NotFnd	*	*	*	n	n	1.259
9	2	PCB-5	NotFnd	*	*	*	n	n	1.105
10	2	PCB-8	NotFnd	*	*	*	n	n	1.322
11	2	PCB-14	NotFnd	*	*	*	n	n	1.239
12	2	PCB-11	NotFnd	*	*	*	n	n	1.188
13	2	PCB-12/13	NotFnd	*	*	*	n	n	1.113
14	2	PCB-15	NotFnd	*	*	*	n	n	0.977
15	2	PCB-19	NotFnd	*	*	*	n	y	1.001
16	2	PCB-18/30	21:00	1.726e+02	1.622e+02	1.06	y	n	1.282
17	2	PCB-17	21:25	6.850e+01	8.869e+01	0.77	n	n	1.067
18	2	PCB-27	NotFnd	*	*	*	n	n	1.450
19	2	PCB-24	NotFnd	*	*	*	n	n	1.364
20	2	PCB-16	21:51	7.194e+01	7.529e+01	0.96	y	n	0.924
21	2	PCB-32	22:24	8.612e+01	8.058e+01	1.07	y	n	1.575
22	3	PCB-34	NotFnd	*	*	*	n	n	1.518
23	3	PCB-23	NotFnd	*	*	*	n	n	1.453
24	3	PCB-26/29	24:09	5.526e+01	4.926e+01	1.12	y	y	1.537
25	3	PCB-25	NotFnd	*	*	*	n	n	1.661
26	3	PCB-31	24:42	3.211e+02	3.116e+02	1.03	y	y	1.613
27	3	PCB-20/28	25:00	4.110e+02	3.859e+02	1.07	y	y	1.475
28	3	PCB-21/33	25:14	2.226e+02	2.349e+02	0.95	y	y	1.529
29	3	PCB-22	25:40	1.278e+02	1.300e+02	0.98	y	y	1.401
30	3	PCB-36	NotFnd	*	*	*	n	n	1.557
31	3	PCB-39	NotFnd	*	*	*	n	n	1.538
32	3	PCB-38	NotFnd	*	*	*	n	n	1.479
33	3	PCB-35	NotFnd	*	*	*	n	n	1.524
34	3	PCB-37	NotFnd	*	*	*	n	y	1.089
35	2	PCB-54	NotFnd	*	*	*	n	n	1.002
36	3	PCB-50/53	NotFnd	*	*	*	n	y	1.181
37	3	PCB-45/51	NotFnd	*	*	*	n	y	1.140
38	3	PCB-46	NotFnd	*	*	*	n	n	0.972
39	3	PCB-52	26:52	2.036e+02	2.717e+02	0.75	y	y	1.266
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.251
41	3	PCB-49/69	27:21	1.127e+02	1.622e+02	0.69	y	y	1.370
42	3	PCB-48	27:39	3.894e+01	4.512e+01	0.86	y	y	1.164
43	3	PCB-44/47/65	27:52	2.221e+02	2.614e+02	0.85	y	y	1.278
44	3	PCB-59/62/75	NotFnd	*	*	*	n	y	1.510
45	3	PCB-42	28:23	2.828e+01	5.442e+01	0.52	n	y	1.123
46	3	PCB-40/41/71	28:52	7.847e+01	1.092e+02	0.72	y	y	1.150
47	3	PCB-64	29:07	1.037e+02	1.236e+02	0.84	y	y	1.601
48	3	PCB-72	NotFnd	*	*	*	n	n	1.644
49	3	PCB-68	NotFnd	*	*	*	n	y	1.607
50	3	PCB-57	NotFnd	*	*	*	n	n	1.539

51	3	PCB-58	NotFnd	*	*	*	n	n	1.456
52	3	PCB-67	NotFnd	*	*	*	n	y	1.576
53	3	PCB-63	NotFnd	*	*	*	n	n	1.552
54	3	PCB-61/70/74/76	31:40	3.182e+02	4.569e+02	0.70	y	y	1.477
55	3	PCB-66	32:00	1.778e+02	2.145e+02	0.83	y	y	1.568
56	3	PCB-55	NotFnd	*	*	*	n	n	1.385
57	4	PCB-56	32:42	6.582e+01	6.622e+01	0.99	n	n	1.264
58	4	PCB-60	32:55	4.279e+01	6.420e+01	0.67	y	n	1.287
59	4	PCB-80	NotFnd	*	*	*	n	n	1.445
60	4	PCB-79	NotFnd	*	*	*	n	n	1.482
61	4	PCB-78	NotFnd	*	*	*	n	n	1.348
62	4	PCB-81	NotFnd	*	*	*	n	n	1.034
63	4	PCB-77	NotFnd	*	*	*	n	n	0.995
64	3	PCB-104	NotFnd	*	*	*	n	n	1.030
65	3	PCB-96	NotFnd	*	*	*	n	n	1.350
66	3	PCB-103	NotFnd	*	*	*	n	n	1.169
67	3	PCB-94	NotFnd	*	*	*	n	n	0.939
68	3	PCB-95	30:48	1.135e+02	9.248e+01	1.23	n	n	1.072
69	3	PCB-93/100	NotFnd	*	*	*	n	n	1.028
70	3	PCB-98/102	NotFnd	*	*	*	n	n	1.002
71	3	PCB-88/91	31:40	2.542e+01	1.997e+01	1.27	n	y	1.019
72	3	PCB-84	31:52	4.224e+01	1.376e+01	3.07	n	y	0.898
73	3	PCB-89	NotFnd	*	*	*	n	n	0.944
74	4	PCB-121	NotFnd	*	*	*	n	n	1.404
75	4	PCB-92	33:11	2.764e+01	2.876e+01	0.96	n	y	1.107
76	4	PCB-90/101/113	33:46	1.965e+02	1.417e+02	1.39	y	y	1.210
77	4	PCB-83/99	34:21	7.563e+01	5.960e+01	1.27	n	y	1.112
78	4	PCB-112	NotFnd	*	*	*	n	n	1.408
79	4	PCB-86/87/97/109/119/125	34:57	1.314e+02	8.572e+01	1.53	y	y	1.259
80	4	PCB-117	NotFnd	*	*	*	n	n	1.213
81	4	PCB-85/116	35:36	6.264e+01	3.134e+01	2.00	n	y	1.277
82	4	PCB-110/115	35:45	1.960e+02	1.290e+02	1.52	y	n	1.390
83	4	PCB-82	NotFnd	*	*	*	n	n	0.949
84	4	PCB-111	NotFnd	*	*	*	n	n	1.405
85	4	PCB-120	NotFnd	*	*	*	n	n	1.536
86	5	PCB-108/124	NotFnd	*	*	*	n	n	1.116
87	5	PCB-107	NotFnd	*	*	*	n	n	1.111
88	5	PCB-123	NotFnd	*	*	*	n	n	1.018
89	5	PCB-106	NotFnd	*	*	*	n	n	1.157
90	5	PCB-118	38:46	1.388e+02	8.136e+01	1.71	y	n	0.997
91	5	PCB-122	NotFnd	*	*	*	n	n	1.103
92	5	PCB-114	NotFnd	*	*	*	n	n	0.991
93	5	PCB-105	39:57	5.063e+01	4.495e+01	1.13	n	n	1.011
94	5	PCB-127	NotFnd	*	*	*	n	n	1.070
95	5	PCB-126	NotFnd	*	*	*	n	n	0.960
96	4	PCB-155	NotFnd	*	*	*	n	n	0.988
97	4	PCB-152	NotFnd	*	*	*	n	n	2.015
98	4	PCB-150	NotFnd	*	*	*	n	n	1.962
99	4	PCB-136	NotFnd	*	*	*	n	y	1.972
100	4	PCB-145	NotFnd	*	*	*	n	n	1.817
101	4	PCB-148	NotFnd	*	*	*	n	n	1.479
102	4	PCB-135/151	36:40	5.185e+01	3.619e+01	1.43	n	n	1.441
103	4	PCB-154	NotFnd	*	*	*	n	n	1.613
104	4	PCB-144	NotFnd	*	*	*	n	n	1.482
105	5	PCB-147/149	37:36	1.014e+02	8.648e+01	1.17	y	y	1.307
106	5	PCB-134	NotFnd	*	*	*	n	n	1.166
107	5	PCB-143	NotFnd	*	*	*	n	n	1.234

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.295
109	5	PCB-131	NotFnd	*	*	*	n	n	1.152
110	5	PCB-142	NotFnd	*	*	*	n	n	1.186
111	5	PCB-132	38:51	3.585e+01	1.795e+01	2.00	n	n	1.193
112	5	PCB-133	NotFnd	*	*	*	n	n	1.285
113	5	PCB-165	NotFnd	*	*	*	n	n	1.506
114	5	PCB-146	40:00	1.566e+01	1.662e+01	0.94	n	y	1.298
115	5	PCB-161	NotFnd	*	*	*	n	n	1.748
116	5	PCB-153/168	40:36	8.406e+01	6.949e+01	1.21	y	n	1.573
117	5	PCB-141	NotFnd	*	*	*	n	y	1.198
118	5	PCB-130	NotFnd	*	*	*	n	n	1.116
119	5	PCB-137	NotFnd	*	*	*	n	n	1.156
120	5	PCB-164	NotFnd	*	*	*	n	n	1.539
121	5	PCB-129/138/163	41:53	1.048e+02	8.132e+01	1.29	y	n	1.300
122	5	PCB-160	NotFnd	*	*	*	n	y	1.466
123	5	PCB-158	NotFnd	*	*	*	n	n	1.646
124	5	PCB-128/166	43:09	1.538e+01	1.344e+01	1.14	y	n	1.307
125	6	PCB-159	NotFnd	*	*	*	n	n	1.069
126	6	PCB-162	NotFnd	*	*	*	n	n	1.038
127	6	PCB-167	NotFnd	*	*	*	n	n	1.008
128	6	PCB-156/157	NotFnd	*	*	*	n	n	1.006
129	6	PCB-169	NotFnd	*	*	*	n	n	0.992
130	5	PCB-188	NotFnd	*	*	*	n	n	0.990
131	5	PCB-179	NotFnd	*	*	*	n	n	1.474
132	5	PCB-184	NotFnd	*	*	*	n	n	1.479
133	5	PCB-176	NotFnd	*	*	*	n	n	1.470
134	5	PCB-186	NotFnd	*	*	*	n	n	1.360
135	5	PCB-178	NotFnd	*	*	*	n	n	1.042
136	5	PCB-175	NotFnd	*	*	*	n	n	0.418
137	5	PCB-187	43:15	2.796e+01	3.918e+01	0.71	n	n	1.058
138	5	PCB-182	NotFnd	*	*	*	n	n	0.945
139	6	PCB-183	NotFnd	*	*	*	n	n	0.928
140	6	PCB-185	NotFnd	*	*	*	n	n	0.615
141	6	PCB-174	NotFnd	*	*	*	n	n	0.714
142	6	PCB-177	NotFnd	*	*	*	n	n	0.703
143	6	PCB-181	NotFnd	*	*	*	n	n	0.726
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.671
145	6	PCB-172	NotFnd	*	*	*	n	n	0.681
146	6	PCB-192	NotFnd	*	*	*	n	n	0.822
147	6	PCB-180/193	47:26	3.760e+01	3.129e+01	1.20	y	y	0.809
148	6	PCB-191	NotFnd	*	*	*	n	y	0.897
149	6	PCB-170	NotFnd	*	*	*	n	y	0.651
150	6	PCB-190	NotFnd	*	*	*	n	n	0.868
151	6	PCB-189	NotFnd	*	*	*	n	n	0.863
152	6	PCB-202	NotFnd	*	*	*	n	n	0.863
153	6	PCB-201	NotFnd	*	*	*	n	n	1.359
154	6	PCB-204	NotFnd	*	*	*	n	n	1.337
155	6	PCB-197	NotFnd	*	*	*	n	n	1.279
156	6	PCB-200	NotFnd	*	*	*	n	n	1.368
157	6	PCB-198/199	NotFnd	*	*	*	n	y	0.888
158	6	PCB-196	NotFnd	*	*	*	n	n	0.941
159	6	PCB-203	NotFnd	*	*	*	n	n	0.964
160	6	PCB-195	NotFnd	*	*	*	n	n	0.808
161	6	PCB-194	NotFnd	*	*	*	n	y	0.851
162	6	PCB-205	NotFnd	*	*	*	n	n	0.889
163	6	PCB-208	NotFnd	*	*	*	n	n	0.880
164	6	PCB-207	NotFnd	*	*	*	n	n	1.347

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165	7	PCB-206	NotFnd	*	*	*	n	n	0.931
166	7	PCB-209	57:42	1.105e+02	9.198e+01	1.20	y	n	0.894
167	1	PCB-1L	13:20	2.945e+04	9.421e+03	3.13	y	n	1.220
168	1	PCB-3L	15:36	3.084e+04	9.844e+03	3.13	y	n	1.173
169	1	PCB-4L	15:51	1.651e+04	1.056e+04	1.56	y	n	0.803
170	2	PCB-15L	21:55	2.307e+04	1.466e+04	1.57	y	n	0.962
171	2	PCB-19L	19:03	1.259e+04	1.207e+04	1.04	y	n	0.636
172	3	PCB-37L	29:03	2.027e+04	1.822e+04	1.11	y	n	1.144
173	2	PCB-54L	22:11	1.170e+04	1.473e+04	0.79	y	n	1.140
174	4	PCB-81L	35:51	1.499e+04	1.896e+04	0.79	y	n	0.947
175	4	PCB-77L	36:25	1.586e+04	1.996e+04	0.79	y	n	0.949
176	3	PCB-104L	27:47	1.979e+04	1.263e+04	1.57	y	n	1.397
177	5	PCB-123L	38:24	1.832e+04	1.170e+04	1.56	y	n	1.029
178	5	PCB-118L	38:44	1.924e+04	1.211e+04	1.59	y	n	1.077
179	5	PCB-114L	39:16	1.960e+04	1.202e+04	1.63	y	n	1.075
180	5	PCB-105L	39:54	1.807e+04	1.127e+04	1.60	y	n	1.013
181	5	PCB-126L	43:02	1.689e+04	1.030e+04	1.64	y	n	0.898
182	4	PCB-155L	33:30	2.097e+04	1.647e+04	1.27	y	n	1.637
183	6	PCB-167L	44:53	1.191e+04	9.584e+03	1.24	y	n	0.882
184	6	PCB-156/157L	46:02	2.349e+04	1.864e+04	1.26	y	n	0.818
185	6	PCB-169L	49:17	1.072e+04	8.575e+03	1.25	y	n	0.716
186	5	PCB-188L	39:14	1.748e+04	1.631e+04	1.07	y	n	2.358
187	6	PCB-189L	51:48	1.024e+04	9.829e+03	1.04	y	n	1.307
188	6	PCB-202L	44:37	1.183e+04	1.331e+04	0.89	y	n	1.804
189	6	PCB-205L	54:20	8.308e+03	9.343e+03	0.89	y	n	1.363
190	6	PCB-208L	51:17	8.105e+03	1.013e+04	0.80	y	n	1.337
191	7	PCB-206L	56:05	6.500e+03	8.395e+03	0.77	y	n	0.998
192	7	PCB-209L	57:40	9.012e+03	7.654e+03	1.18	y	n	1.563
193	3	PCB-28L	24:59	2.422e+04	2.372e+04	1.02	y	n	1.387
194	4	PCB-111L	36:27	2.437e+04	1.557e+04	1.57	y	n	1.238
195	5	PCB-178L	42:18	1.179e+04	1.110e+04	1.06	y	n	0.953
196	2	PCB-9L	17:54	3.476e+04	2.210e+04	1.57	y	n	-
197	3	PCB-52L	26:50	2.115e+04	2.696e+04	0.78	y	n	-
198	4	PCB-101L	33:44	2.779e+04	1.784e+04	1.56	y	n	-
199	5	PCB-138L	41:51	2.049e+04	1.631e+04	1.26	y	n	-
200	6	PCB-194L	53:53	9.465e+03	1.069e+04	0.89	y	n	-

-- Sample Calculation--

$$\text{PCB-209} = \frac{(1.105e+02 + 9.198e+01) \times (100.0 \times 100.0)\text{pg} \times 1}{(9.012e+03 + 7.654e+03) \times (880\ \text{mL}) \times (100\ \text{g}) / 100 \times 0.8938} = 154\ \text{pg/l}$$

12/02/11

Columbia Analytical Services, Inc.
19408 Park Row, Suite 320
Houston, TX 77084
Office(713)266-1599. Fax(713)266-0130

sp166respa
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
KC91-152L

Run #12 Filename U142177#1 Samp: 1 Inj: 1 Acquired: 26-NOV-11 10:11:57

Processed: 28-NOV-11 17:27:42 LAB. ID: E1101076-005

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.16e+03	*	*	1.63e+03	*
2	PCB-2	*	1.16e+03	*	*	1.63e+03	*
3	PCB-3	9.14e+03	1.16e+03	7.9e+00	4.21e+03	1.63e+03	2.6e+00
4	PCB-4	*	3.36e+03	*	*	7.66e+04	*
5	PCB-10	*	3.36e+03	*	*	7.66e+04	*
6	PCB-9	*	3.34e+03	*	*	8.05e+04	*
7	PCB-7	*	3.34e+03	*	*	8.05e+04	*
8	PCB-6	*	3.34e+03	*	*	8.05e+04	*
9	PCB-5	*	3.34e+03	*	*	8.05e+04	*
10	PCB-8	*	3.34e+03	*	*	8.05e+04	*
11	PCB-14	*	3.34e+03	*	*	8.05e+04	*
12	PCB-11	*	3.34e+03	*	*	8.05e+04	*
13	PCB-12/13	*	3.34e+03	*	*	8.05e+04	*
14	PCB-15	*	3.34e+03	*	*	8.05e+04	*
15	PCB-19	*	1.99e+03	*	*	9.20e+02	*
16	PCB-18/30	2.93e+04	1.99e+03	1.5e+01	2.39e+04	9.20e+02	2.6e+01
17	PCB-17	1.06e+04	1.99e+03	5.3e+00	1.23e+04	9.20e+02	1.3e+01
18	PCB-27	*	1.99e+03	*	*	9.20e+02	*
19	PCB-24	*	1.99e+03	*	*	9.20e+02	*
20	PCB-16	1.02e+04	1.99e+03	5.1e+00	1.06e+04	9.20e+02	1.2e+01
21	PCB-32	1.30e+04	1.99e+03	6.5e+00	1.16e+04	9.20e+02	1.3e+01
22	PCB-34	*	3.47e+03	*	*	1.84e+03	*
23	PCB-23	*	3.47e+03	*	*	1.84e+03	*
24	PCB-26/29	9.42e+03	3.47e+03	2.7e+00	7.25e+03	1.84e+03	3.9e+00
25	PCB-25	*	3.47e+03	*	*	1.84e+03	*
26	PCB-31	4.40e+04	3.47e+03	1.3e+01	4.20e+04	1.84e+03	2.3e+01
27	PCB-20/28	5.43e+04	3.47e+03	1.6e+01	5.27e+04	1.84e+03	2.9e+01
28	PCB-21/33	2.43e+04	3.47e+03	7.0e+00	2.94e+04	1.84e+03	1.6e+01
29	PCB-22	1.66e+04	3.47e+03	4.8e+00	1.69e+04	1.84e+03	9.2e+00
30	PCB-36	*	3.47e+03	*	*	1.84e+03	*
31	PCB-39	*	3.47e+03	*	*	1.84e+03	*
32	PCB-38	*	3.47e+03	*	*	1.84e+03	*
33	PCB-35	*	3.47e+03	*	*	1.84e+03	*
34	PCB-37	*	3.47e+03	*	*	1.84e+03	*
35	PCB-54	*	6.44e+02	*	*	8.44e+02	*
36	PCB-50/53	*	8.64e+02	*	*	1.22e+03	*
37	PCB-45/51	*	8.64e+02	*	*	1.22e+03	*
38	PCB-46	*	8.64e+02	*	*	1.22e+03	*
39	PCB-52	2.96e+04	8.64e+02	3.4e+01	4.01e+04	1.22e+03	3.3e+01
40	PCB-43/73	*	8.64e+02	*	*	1.22e+03	*
41	PCB-49/69	1.67e+04	8.64e+02	1.9e+01	2.15e+04	1.22e+03	1.8e+01
42	PCB-48	7.32e+03	8.64e+02	8.5e+00	7.02e+03	1.22e+03	5.7e+00
43	PCB-44/47/65	2.63e+04	8.64e+02	3.0e+01	3.25e+04	1.22e+03	2.7e+01
44	PCB-59/62/75	*	8.64e+02	*	*	1.22e+03	*
45	PCB-42	5.26e+03	8.64e+02	6.1e+00	8.20e+03	1.22e+03	6.7e+00
46	PCB-40/41/71	1.20e+04	8.64e+02	1.4e+01	1.69e+04	1.22e+03	1.4e+01
47	PCB-64	1.57e+04	8.64e+02	1.8e+01	2.20e+04	1.22e+03	1.8e+01

48	PCB-72	*	8.64e+02	*	*	1.22e+03	*
49	PCB-68	*	8.64e+02	*	*	1.22e+03	*
50	PCB-57	*	8.64e+02	*	*	1.22e+03	*
51	PCB-58	*	8.64e+02	*	*	1.22e+03	*
52	PCB-67	*	8.64e+02	*	*	1.22e+03	*
53	PCB-63	*	8.64e+02	*	*	1.22e+03	*
54	PCB-61/70/74/76	3.19e+04	8.64e+02	3.7e+01	4.99e+04	1.22e+03	4.1e+01
55	PCB-66	2.87e+04	8.64e+02	3.3e+01	3.34e+04	1.22e+03	2.7e+01
56	PCB-55	*	8.64e+02	*	*	1.22e+03	*
57	PCB-56	1.04e+04	1.74e+03	6.0e+00	1.15e+04	1.80e+03	6.4e+00
58	PCB-60	7.26e+03	1.74e+03	4.2e+00	1.18e+04	1.80e+03	6.6e+00
59	PCB-80	*	1.74e+03	*	*	1.80e+03	*
60	PCB-79	*	1.74e+03	*	*	1.80e+03	*
61	PCB-78	*	1.74e+03	*	*	1.80e+03	*
62	PCB-81	*	1.74e+03	*	*	1.80e+03	*
63	PCB-77	*	1.74e+03	*	*	1.80e+03	*
64	PCB-104	*	7.48e+02	*	*	9.68e+02	*
65	PCB-96	*	7.48e+02	*	*	9.68e+02	*
66	PCB-103	*	7.48e+02	*	*	9.68e+02	*
67	PCB-94	*	7.48e+02	*	*	9.68e+02	*
68	PCB-95	2.00e+04	7.48e+02	2.7e+01	1.19e+04	9.68e+02	1.2e+01
69	PCB-93/100	*	7.48e+02	*	*	9.68e+02	*
70	PCB-98/102	*	7.48e+02	*	*	9.68e+02	*
71	PCB-88/91	4.88e+03	7.48e+02	6.5e+00	4.14e+03	9.68e+02	4.3e+00
72	PCB-84	7.17e+03	7.48e+02	9.6e+00	3.80e+03	9.68e+02	3.9e+00
73	PCB-89	*	7.48e+02	*	*	9.68e+02	*
74	PCB-121	*	1.26e+03	*	*	1.33e+03	*
75	PCB-92	5.37e+03	1.26e+03	4.3e+00	5.18e+03	1.33e+03	3.9e+00
76	PCB-90/101/113	2.80e+04	1.26e+03	2.2e+01	2.32e+04	1.33e+03	1.7e+01
77	PCB-83/99	1.40e+04	1.26e+03	1.1e+01	9.74e+03	1.33e+03	7.3e+00
78	PCB-112	*	1.26e+03	*	*	1.33e+03	*
79	CB-86/87/97/109/119/125	1.16e+04	1.26e+03	9.2e+00	8.87e+03	1.33e+03	6.7e+00
80	PCB-117	*	1.26e+03	*	*	1.33e+03	*
81	PCB-85/116	9.24e+03	1.26e+03	7.4e+00	5.73e+03	1.33e+03	4.3e+00
82	PCB-110/115	3.66e+04	1.26e+03	2.9e+01	2.07e+04	1.33e+03	1.6e+01
83	PCB-82	*	1.26e+03	*	*	1.33e+03	*
84	PCB-111	*	1.26e+03	*	*	1.33e+03	*
85	PCB-120	*	1.26e+03	*	*	1.33e+03	*
86	PCB-108/124	*	1.42e+03	*	*	9.44e+02	*
87	PCB-107	*	1.42e+03	*	*	9.44e+02	*
88	PCB-123	*	1.42e+03	*	*	9.44e+02	*
89	PCB-106	*	1.42e+03	*	*	9.44e+02	*
90	PCB-118	2.45e+04	1.42e+03	1.7e+01	1.22e+04	9.44e+02	1.3e+01
91	PCB-122	*	1.42e+03	*	*	9.44e+02	*
92	PCB-114	*	1.42e+03	*	*	9.44e+02	*
93	PCB-105	8.72e+03	1.42e+03	6.2e+00	7.36e+03	9.44e+02	7.8e+00
94	PCB-127	*	1.42e+03	*	*	9.44e+02	*
95	PCB-126	*	1.42e+03	*	*	9.44e+02	*
96	PCB-155	*	1.23e+03	*	*	1.07e+03	*
97	PCB-152	*	1.23e+03	*	*	1.07e+03	*
98	PCB-150	*	1.23e+03	*	*	1.07e+03	*
99	PCB-136	*	1.23e+03	*	*	1.07e+03	*
100	PCB-145	*	1.23e+03	*	*	1.07e+03	*
101	PCB-148	*	1.23e+03	*	*	1.07e+03	*
102	PCB-135/151	6.71e+03	1.23e+03	5.5e+00	6.09e+03	1.07e+03	5.7e+00
103	PCB-154	*	1.23e+03	*	*	1.07e+03	*
104	PCB-144	*	1.23e+03	*	*	1.07e+03	*

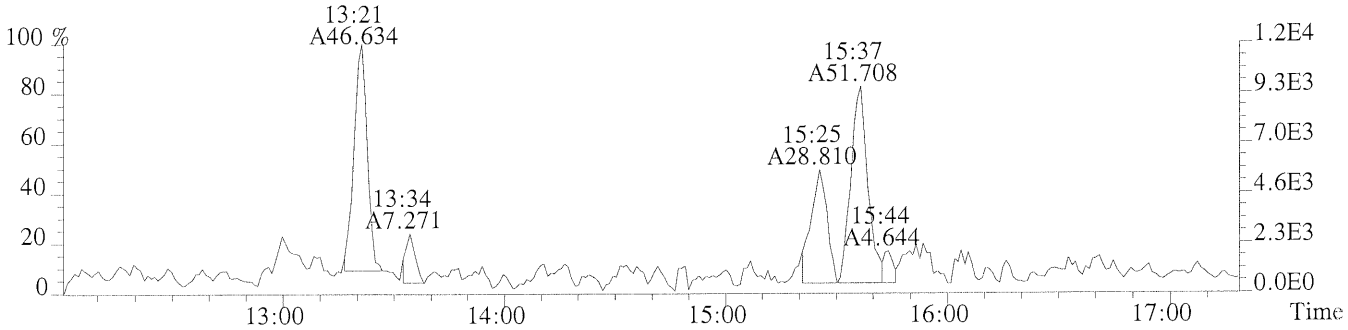
105	PCB-147/149	1.60e+04	9.80e+02	1.6e+01	1.39e+04	9.08e+02	1.5e+01
106	PCB-134	*	9.80e+02	*	*	9.08e+02	*
107	PCB-143	*	9.80e+02	*	*	9.08e+02	*
108	PCB-139/140	*	9.80e+02	*	*	9.08e+02	*
109	PCB-131	*	9.80e+02	*	*	9.08e+02	*
110	PCB-142	*	9.80e+02	*	*	9.08e+02	*
111	PCB-132	6.46e+03	9.80e+02	6.6e+00	4.61e+03	9.08e+02	5.1e+00
112	PCB-133	*	9.80e+02	*	*	9.08e+02	*
113	PCB-165	*	9.80e+02	*	*	9.08e+02	*
114	PCB-146	3.96e+03	9.80e+02	4.0e+00	2.61e+03	9.08e+02	2.9e+00
115	PCB-161	*	9.80e+02	*	*	9.08e+02	*
116	PCB-153/168	1.47e+04	9.80e+02	1.5e+01	1.41e+04	9.08e+02	1.5e+01
117	PCB-141	*	9.80e+02	*	*	9.08e+02	*
118	PCB-130	*	9.80e+02	*	*	9.08e+02	*
119	PCB-137	*	9.80e+02	*	*	9.08e+02	*
120	PCB-164	*	9.80e+02	*	*	9.08e+02	*
121	PCB-129/138/163	1.82e+04	9.80e+02	1.9e+01	1.38e+04	9.08e+02	1.5e+01
122	PCB-160	*	9.80e+02	*	*	9.08e+02	*
123	PCB-158	*	9.80e+02	*	*	9.08e+02	*
124	PCB-128/166	3.14e+03	9.80e+02	3.2e+00	3.21e+03	9.08e+02	3.5e+00
125	PCB-159	*	1.16e+03	*	*	9.88e+02	*
126	PCB-162	*	1.16e+03	*	*	9.88e+02	*
127	PCB-167	*	1.16e+03	*	*	9.88e+02	*
128	PCB-156/157	*	1.16e+03	*	*	9.88e+02	*
129	PCB-169	*	1.16e+03	*	*	9.88e+02	*
130	PCB-188	*	1.39e+03	*	*	7.88e+02	*
131	PCB-179	*	1.39e+03	*	*	7.88e+02	*
132	PCB-184	*	1.39e+03	*	*	7.88e+02	*
133	PCB-176	*	1.39e+03	*	*	7.88e+02	*
134	PCB-186	*	1.39e+03	*	*	7.88e+02	*
135	PCB-178	*	1.39e+03	*	*	7.88e+02	*
136	PCB-175	*	1.39e+03	*	*	7.88e+02	*
137	PCB-187	6.50e+03	1.39e+03	4.7e+00	5.86e+03	7.88e+02	7.4e+00
138	PCB-182	*	1.39e+03	*	*	7.88e+02	*
139	PCB-183	*	1.29e+03	*	*	1.49e+03	*
140	PCB-185	*	1.29e+03	*	*	1.49e+03	*
141	PCB-174	*	1.29e+03	*	*	1.49e+03	*
142	PCB-177	*	1.29e+03	*	*	1.49e+03	*
143	PCB-181	*	1.29e+03	*	*	1.49e+03	*
144	PCB-171/173	*	1.29e+03	*	*	1.49e+03	*
145	PCB-172	*	1.29e+03	*	*	1.49e+03	*
146	PCB-192	*	1.29e+03	*	*	1.49e+03	*
147	PCB-180/193	6.07e+03	1.29e+03	4.7e+00	7.26e+03	1.49e+03	4.9e+00
148	PCB-191	*	1.29e+03	*	*	1.49e+03	*
149	PCB-170	*	1.29e+03	*	*	1.49e+03	*
150	PCB-190	*	1.29e+03	*	*	1.49e+03	*
151	PCB-189	*	1.29e+03	*	*	1.49e+03	*
152	PCB-202	*	9.24e+02	*	*	9.56e+02	*
153	PCB-201	*	9.24e+02	*	*	9.56e+02	*
154	PCB-204	*	9.24e+02	*	*	9.56e+02	*
155	PCB-197	*	9.24e+02	*	*	9.56e+02	*
156	PCB-200	*	9.24e+02	*	*	9.56e+02	*
157	PCB-198/199	*	9.24e+02	*	*	9.56e+02	*
158	PCB-196	*	9.24e+02	*	*	9.56e+02	*
159	PCB-203	*	9.24e+02	*	*	9.56e+02	*
160	PCB-195	*	9.24e+02	*	*	9.56e+02	*
161	PCB-194	*	9.24e+02	*	*	9.56e+02	*
162	PCB-205	*	9.24e+02	*	*	9.56e+02	*

Run #12 Filename U142177#1 Samp: 1 Acquired: 26-NOV-11 10:11:57

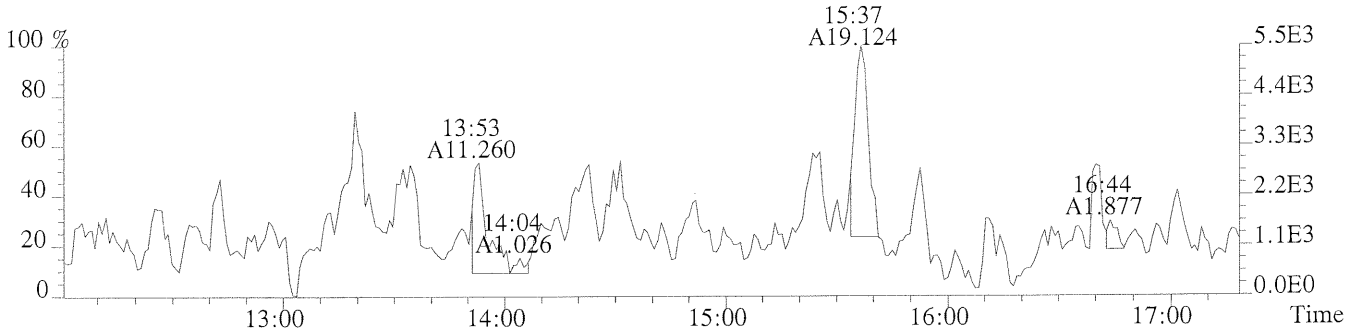
163	PCB-208	*	9.44e+02	*	*	1.03e+03	*
164	PCB-207	*	9.44e+02	*	*	1.03e+03	*
165	PCB-206	*	9.84e+02	*	*	9.12e+02	*
166	PCB-209	1.98e+04	7.56e+02	2.6e+01	1.44e+04	1.08e+03	1.3e+01
167	PCB-1L	6.85e+06	3.10e+03	2.2e+03	2.16e+06	1.75e+04	1.2e+02
168	PCB-3L	5.10e+06	3.10e+03	1.6e+03	1.60e+06	1.75e+04	9.2e+01
169	PCB-4L	2.89e+06	2.12e+03	1.4e+03	1.83e+06	1.00e+03	1.8e+03
170	PCB-15L	3.25e+06	1.58e+03	2.1e+03	2.09e+06	1.64e+03	1.3e+03
171	PCB-19L	2.03e+06	2.26e+04	9.0e+01	1.99e+06	2.23e+04	8.9e+01
172	PCB-37L	2.66e+06	2.71e+04	9.8e+01	2.53e+06	3.38e+04	7.5e+01
173	PCB-54L	1.89e+06	5.29e+03	3.6e+02	2.34e+06	1.22e+03	1.9e+03
174	PCB-81L	2.15e+06	2.67e+03	8.0e+02	2.77e+06	1.14e+03	2.4e+03
175	PCB-77L	2.10e+06	2.67e+03	7.9e+02	2.68e+06	1.14e+03	2.4e+03
176	PCB-104L	2.83e+06	1.24e+03	2.3e+03	1.82e+06	8.16e+02	2.2e+03
177	PCB-123L	2.85e+06	4.09e+03	7.0e+02	1.81e+06	6.57e+03	2.8e+02
178	PCB-118L	2.88e+06	4.09e+03	7.0e+02	1.83e+06	6.57e+03	2.8e+02
179	PCB-114L	3.01e+06	4.09e+03	7.3e+02	1.85e+06	6.57e+03	2.8e+02
180	PCB-105L	2.66e+06	4.09e+03	6.5e+02	1.68e+06	6.57e+03	2.6e+02
181	PCB-126L	2.43e+06	4.09e+03	5.9e+02	1.52e+06	6.57e+03	2.3e+02
182	PCB-155L	3.19e+06	8.68e+02	3.7e+03	2.49e+06	9.00e+02	2.8e+03
183	PCB-167L	2.45e+06	1.83e+03	1.3e+03	1.95e+06	1.92e+03	1.0e+03
184	PCB-156/157L	3.62e+06	1.83e+03	2.0e+03	2.85e+06	1.92e+03	1.5e+03
185	PCB-169L	2.00e+06	1.83e+03	1.1e+03	1.59e+06	1.92e+03	8.3e+02
186	PCB-188L	2.75e+06	1.01e+03	2.7e+03	2.55e+06	7.16e+02	3.6e+03
187	PCB-189L	2.06e+06	1.41e+03	1.5e+03	1.96e+06	1.16e+03	1.7e+03
188	PCB-202L	2.37e+06	8.72e+02	2.7e+03	2.68e+06	9.96e+02	2.7e+03
189	PCB-205L	1.65e+06	8.72e+02	1.9e+03	1.87e+06	9.96e+02	1.9e+03
190	PCB-208L	1.66e+06	7.68e+02	2.2e+03	2.08e+06	9.56e+02	2.2e+03
191	PCB-206L	1.17e+06	8.72e+02	1.3e+03	1.52e+06	9.76e+02	1.6e+03
192	PCB-209L	1.61e+06	1.06e+03	1.5e+03	1.36e+06	8.04e+02	1.7e+03
193	PCB-28L	3.31e+06	2.71e+04	1.2e+02	3.21e+06	3.38e+04	9.5e+01
194	PCB-111L	3.81e+06	2.22e+03	1.7e+03	2.47e+06	1.23e+03	2.0e+03
195	PCB-178L	1.86e+06	1.01e+03	1.8e+03	1.77e+06	7.16e+02	2.5e+03
196	PCB-9L	5.83e+06	1.58e+03	3.7e+03	3.76e+06	1.64e+03	2.3e+03
197	PCB-52L	3.11e+06	3.73e+03	8.3e+02	3.95e+06	1.80e+03	2.2e+03
198	PCB-101L	4.25e+06	2.22e+03	1.9e+03	2.68e+06	1.23e+03	2.2e+03
199	PCB-138L	3.15e+06	7.88e+02	4.0e+03	2.52e+06	8.52e+02	3.0e+03
200	PCB-194L	1.93e+06	8.72e+02	2.2e+03	2.17e+06	9.96e+02	2.2e+03

File:U142177 #1-341 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L

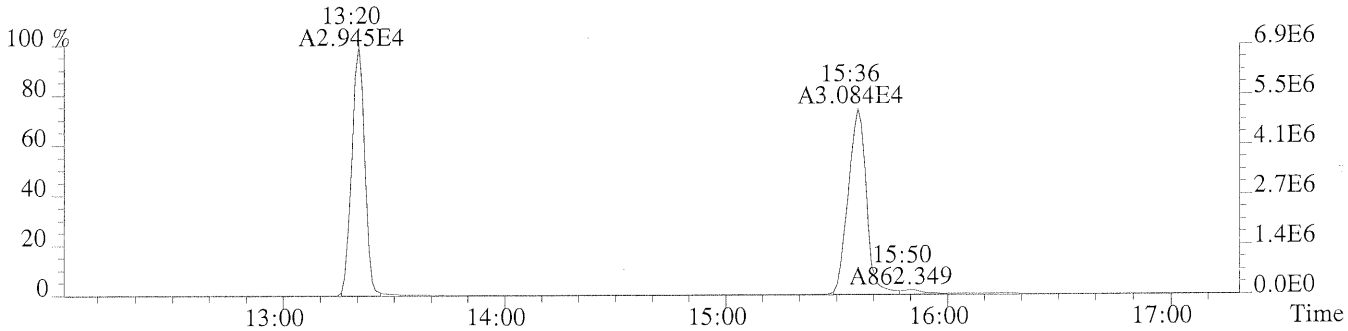
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1156.0,1.00%,F,T)



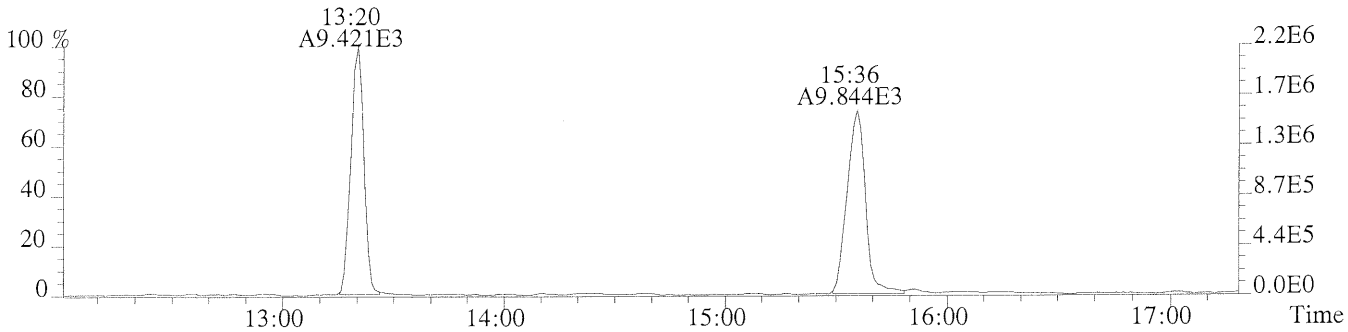
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1628.0,1.00%,F,T)



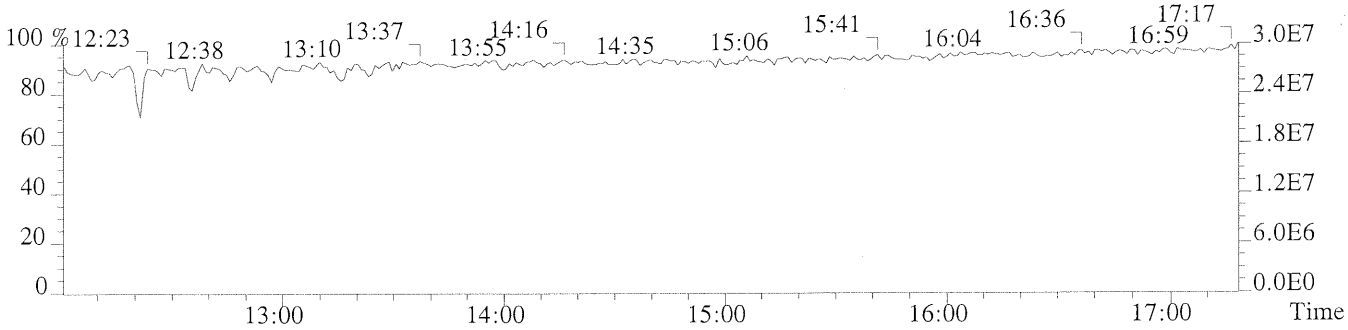
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3104.0,1.00%,F,T)



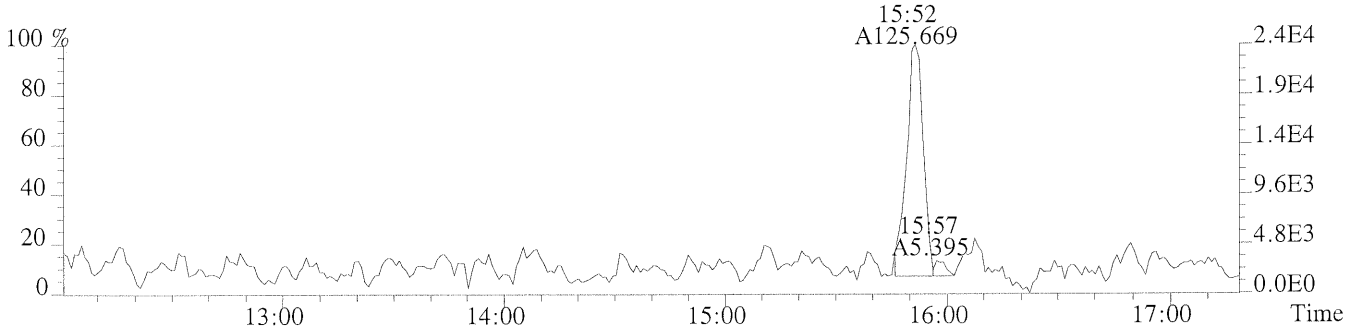
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17504.0,1.00%,F,T)



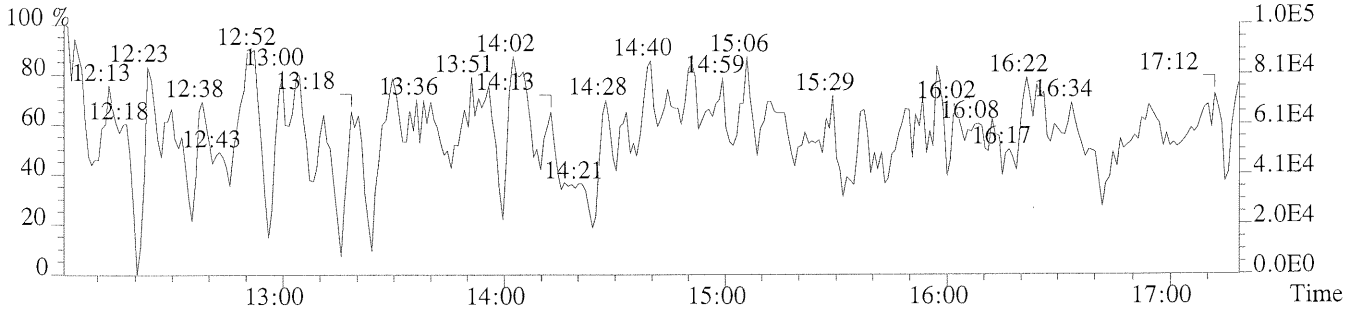
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



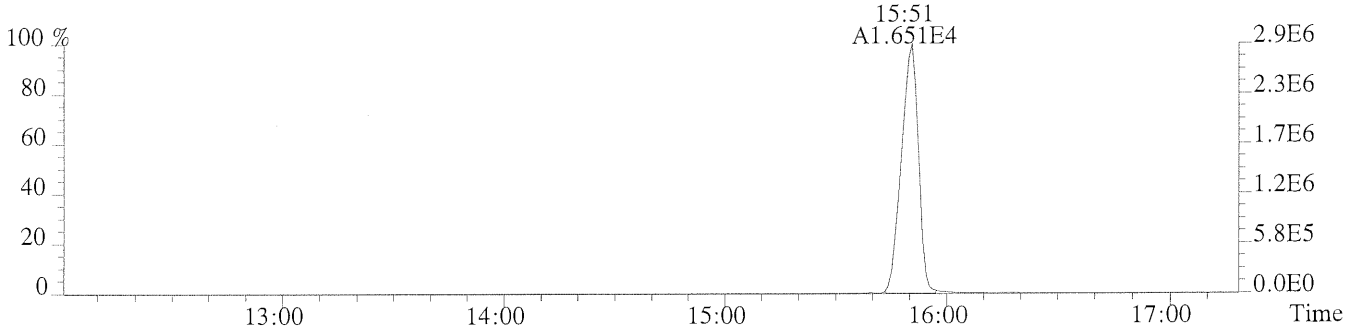
File:U142177 #1-341 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3360.0,1.00%,F,T)



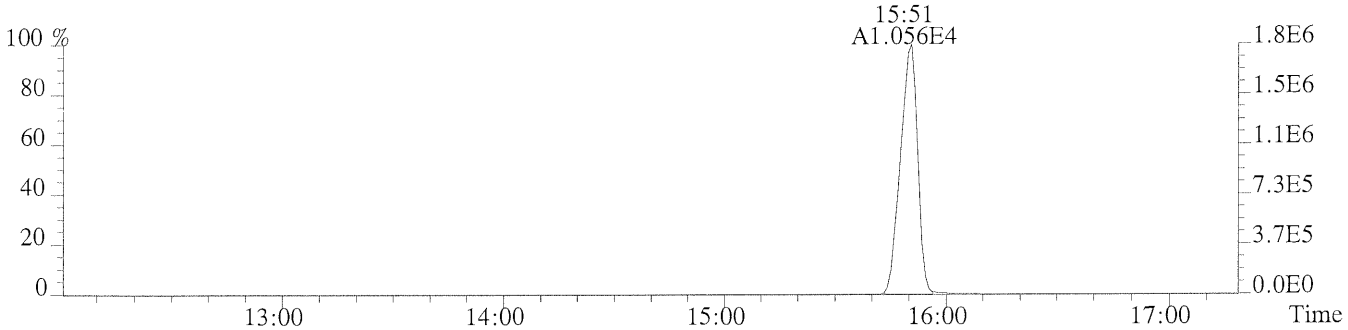
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,76564.0,1.00%,F,T)



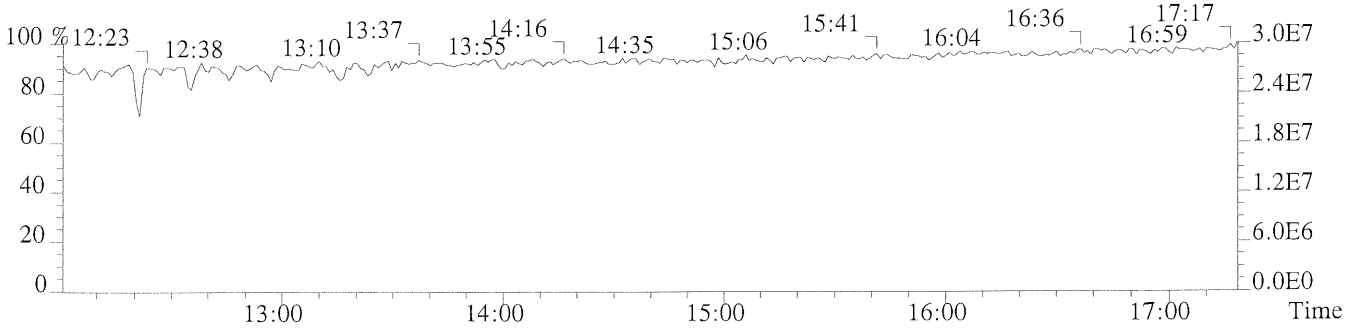
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2120.0,1.00%,F,T)



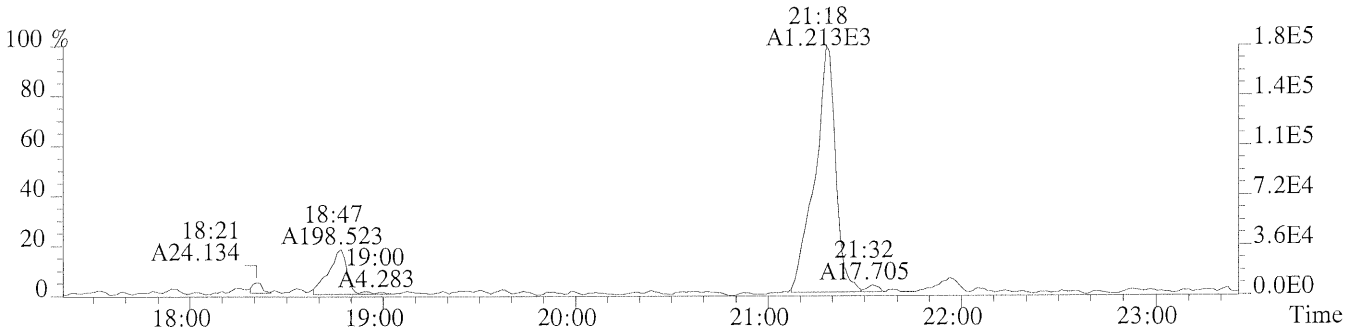
236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



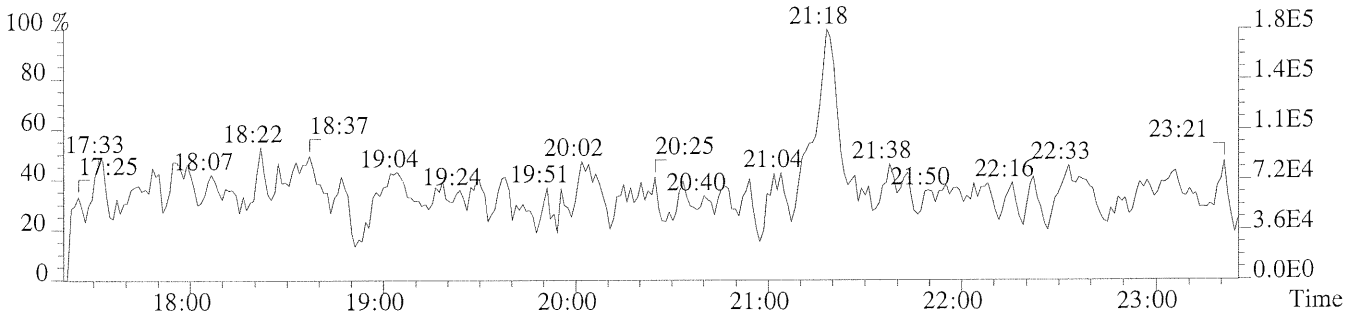
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



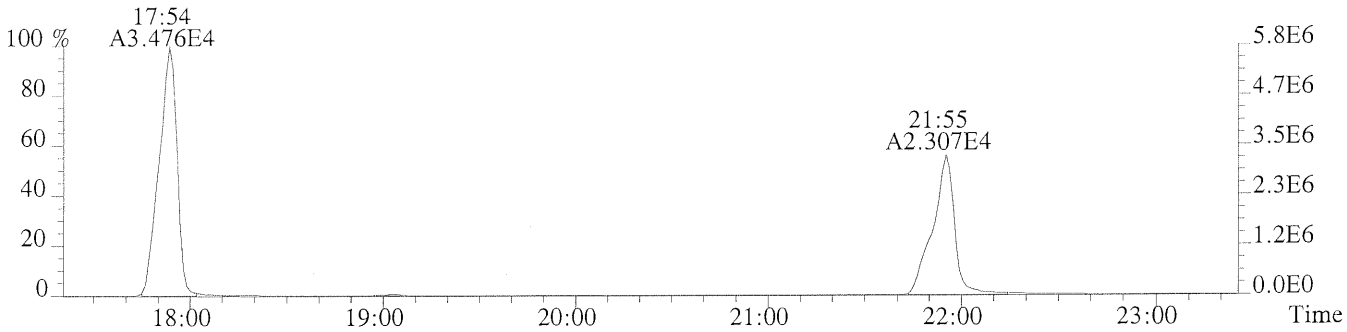
File:U142177 #1-336 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3340.0,1.00%,F,T)



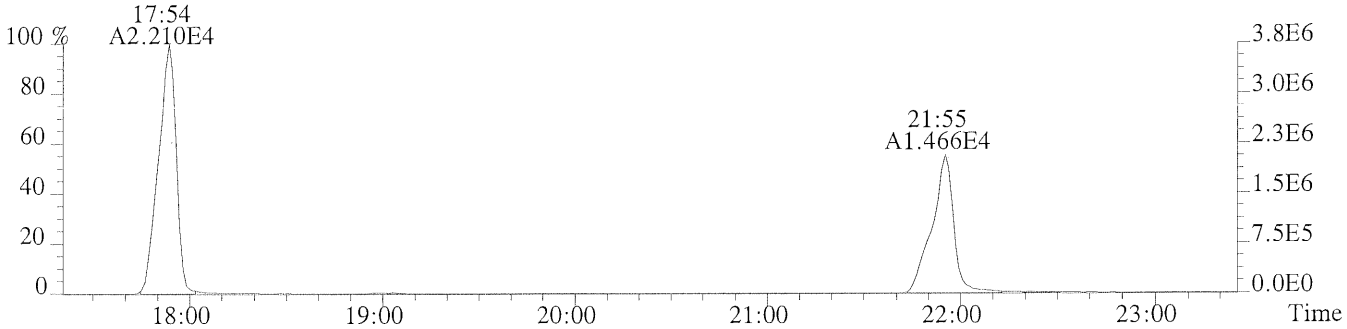
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,80496.0,1.00%,F,T)



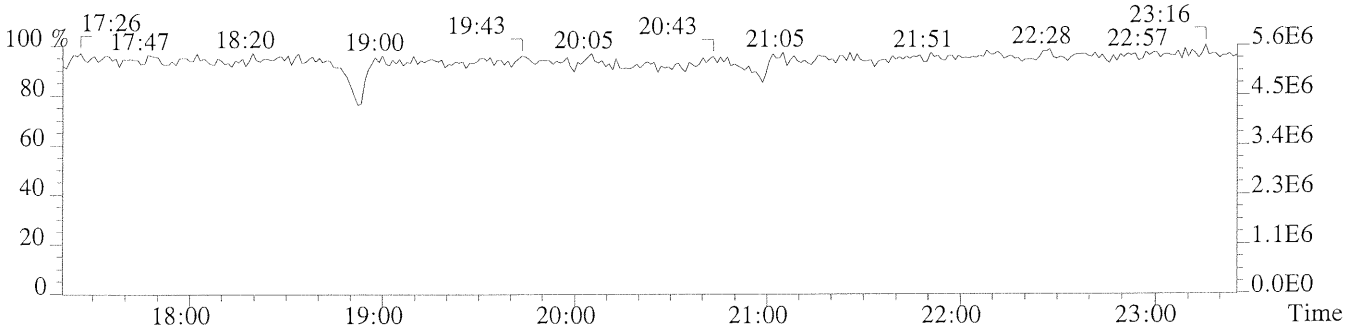
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1584.0,1.00%,F,T)



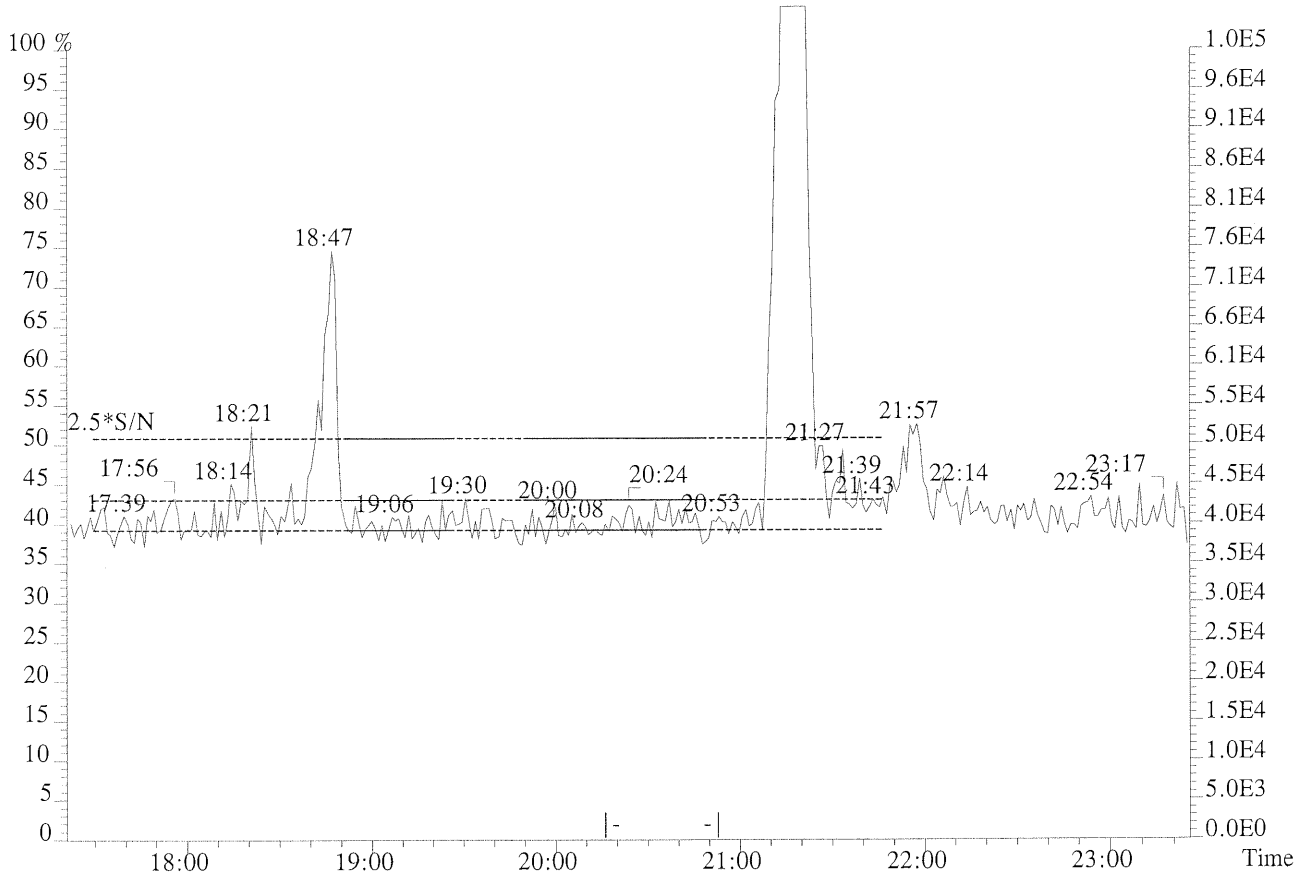
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1636.0,1.00%,F,T)



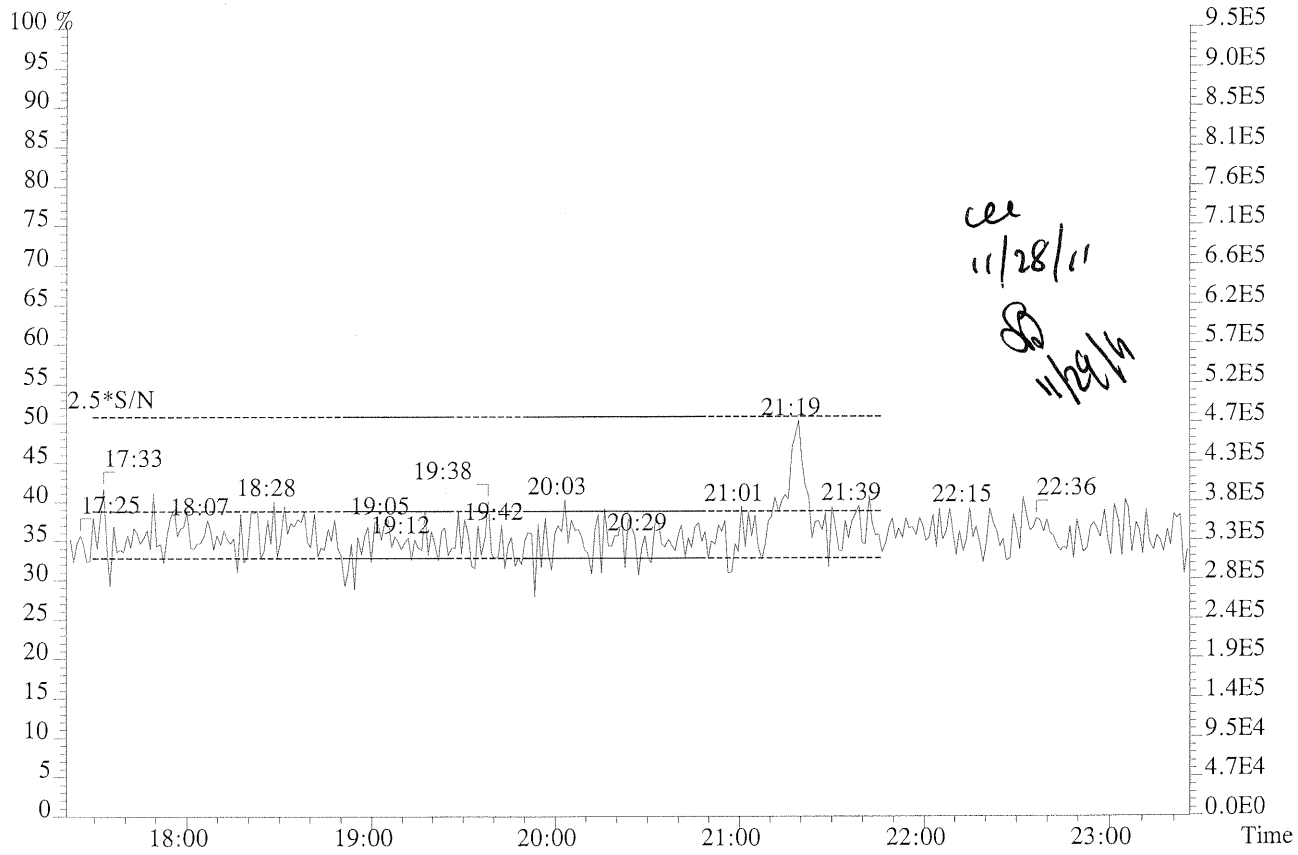
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142177 #1-336 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-005 KC91-152L
222.0003 F:2

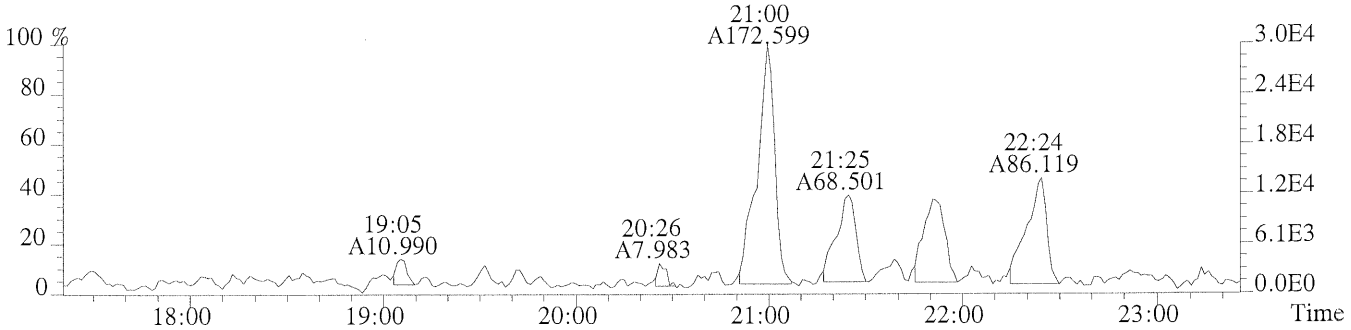


223.9974 F:2

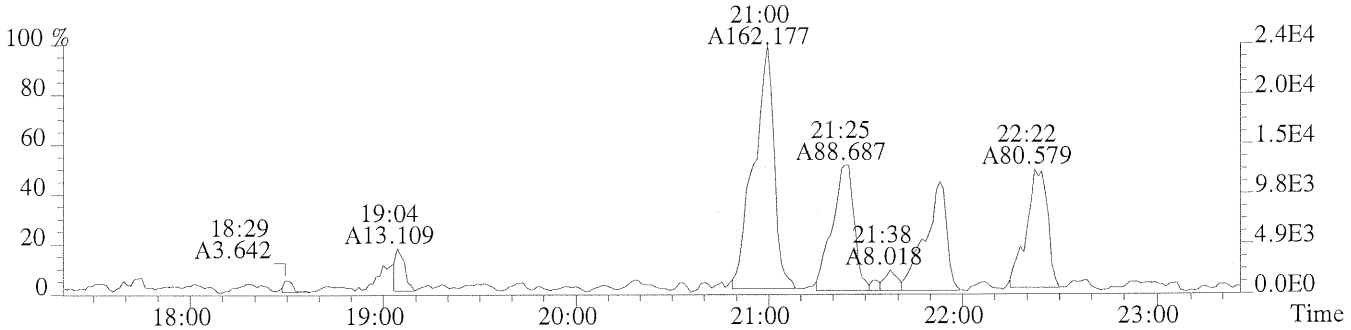


cc
11/28/11
SD
11/29/11

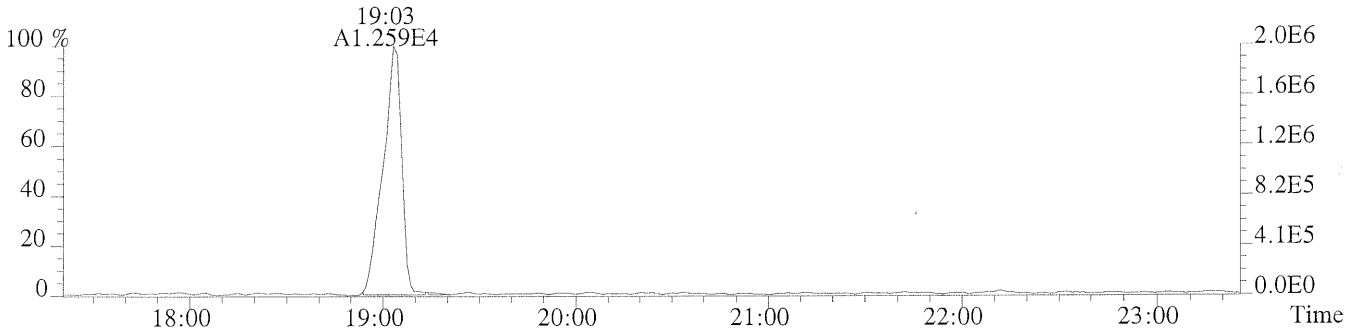
File:U142177 #1-336 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1992.0,1.00%,F,T)



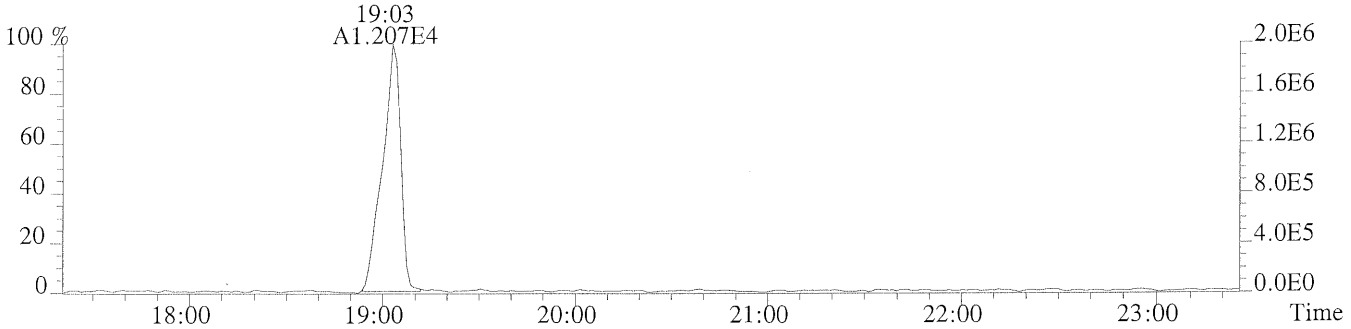
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,920.0,1.00%,F,T)



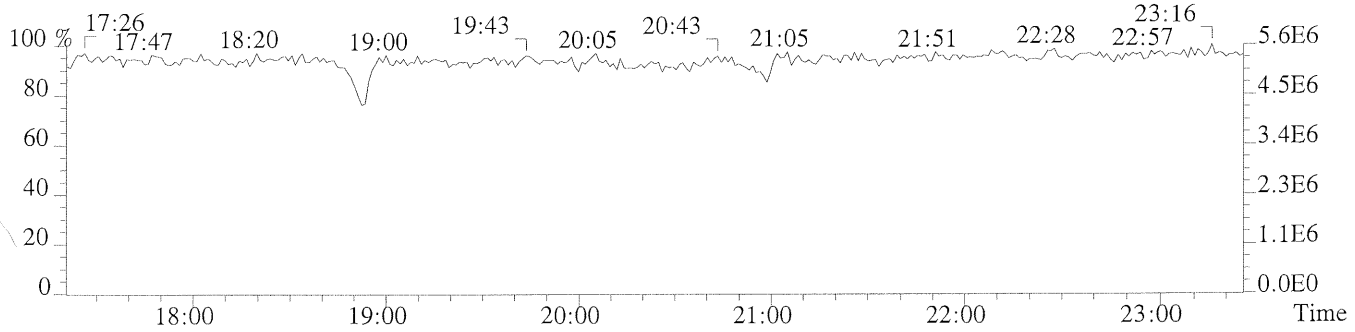
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,22580.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,22280.0,1.00%,F,T)

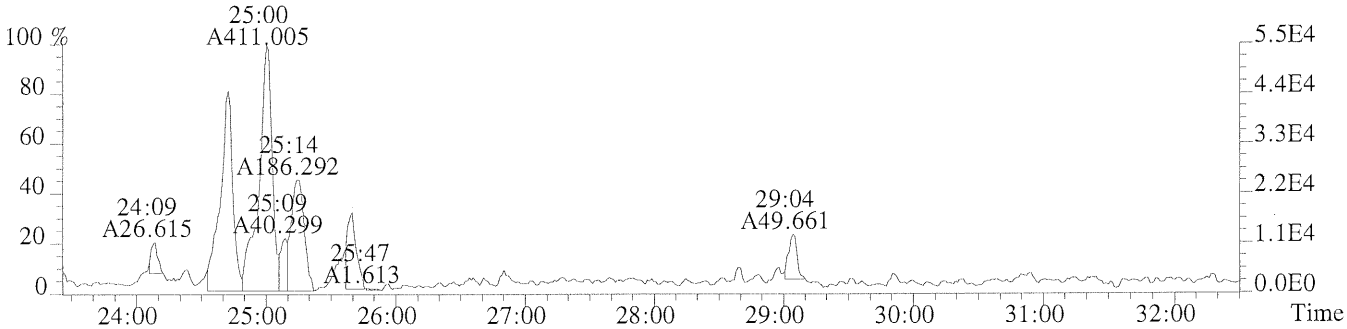


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

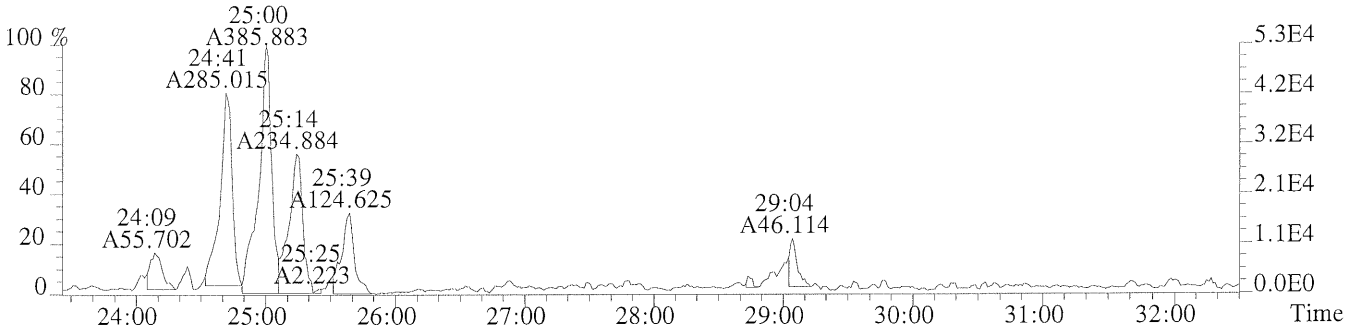


File:U142177 #1-580 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L

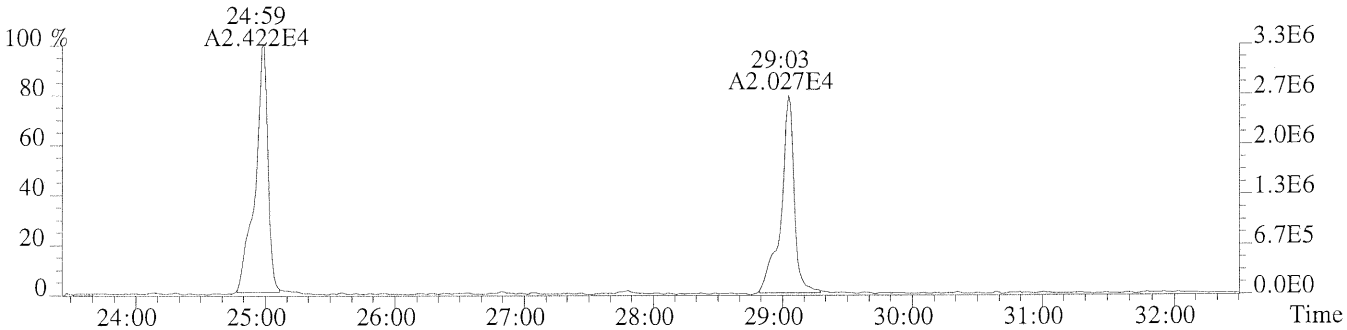
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3472.0,1.00%,F,T)



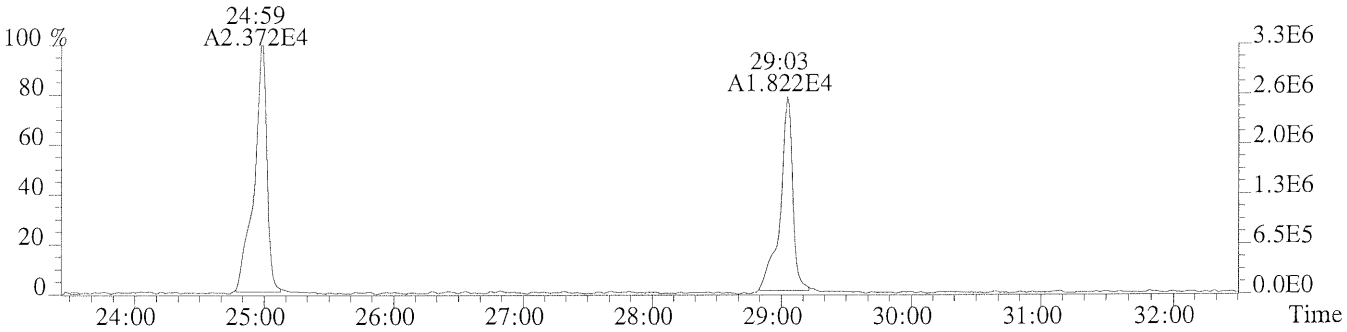
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1844.0,1.00%,F,T)



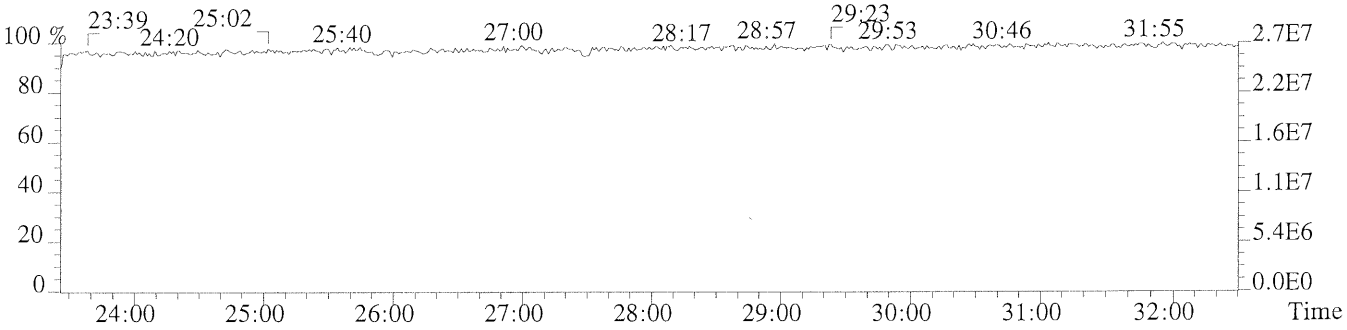
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,27076.0,1.00%,F,T)



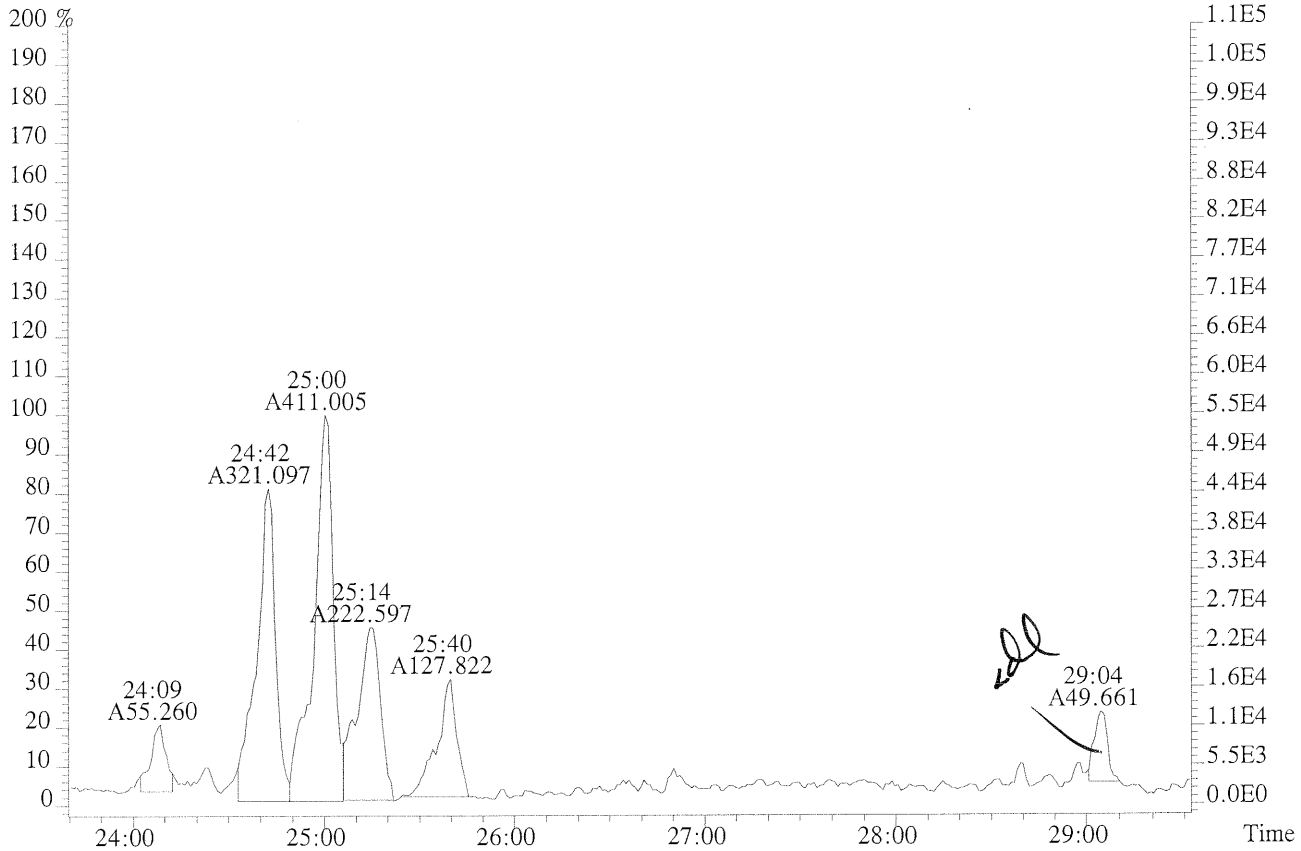
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,33844.0,1.00%,F,T)



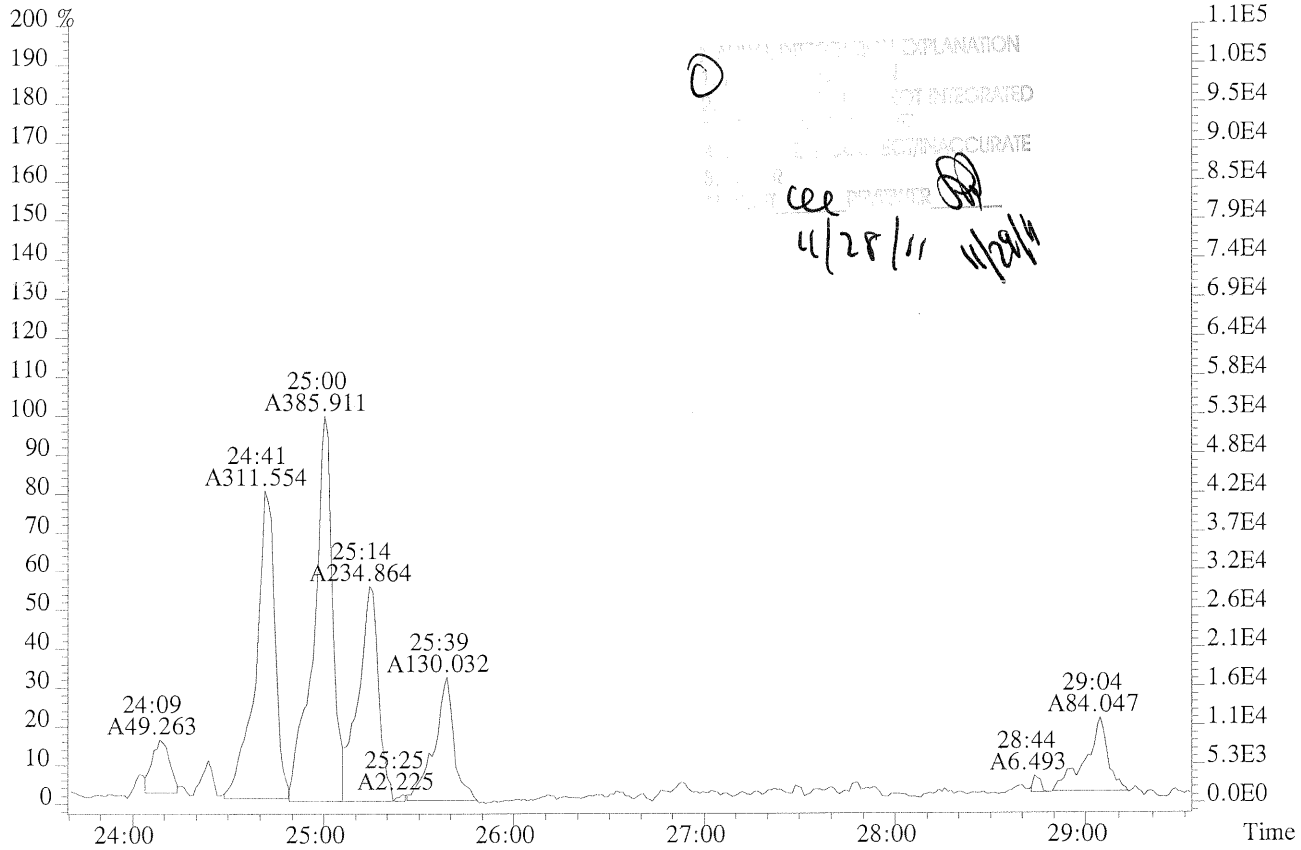
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



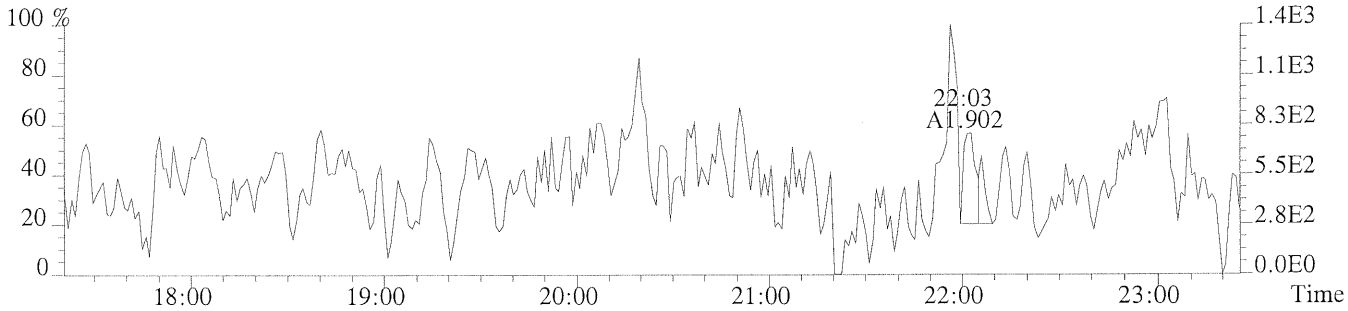
File:U142177 #1-580 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-005 KC91-152L
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3472.0,1.00%,F,T)



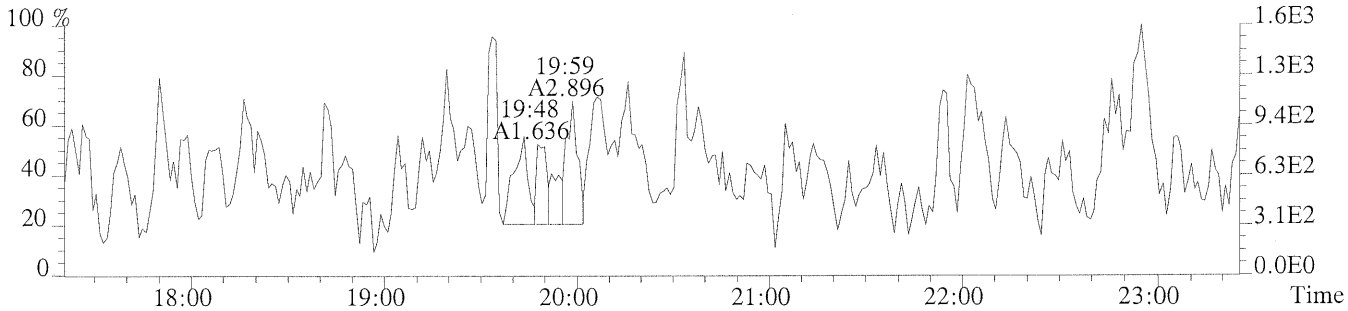
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0)



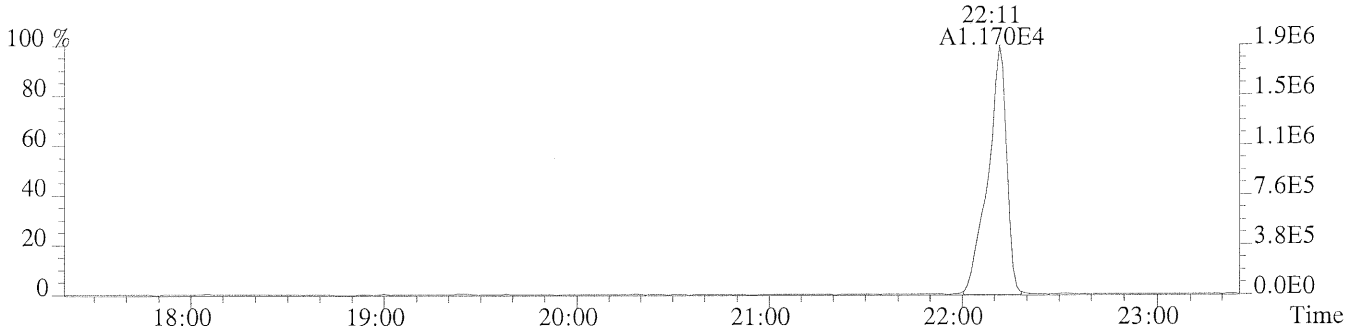
File:U142177 #1-336 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,644.0,1.00%,F,T)



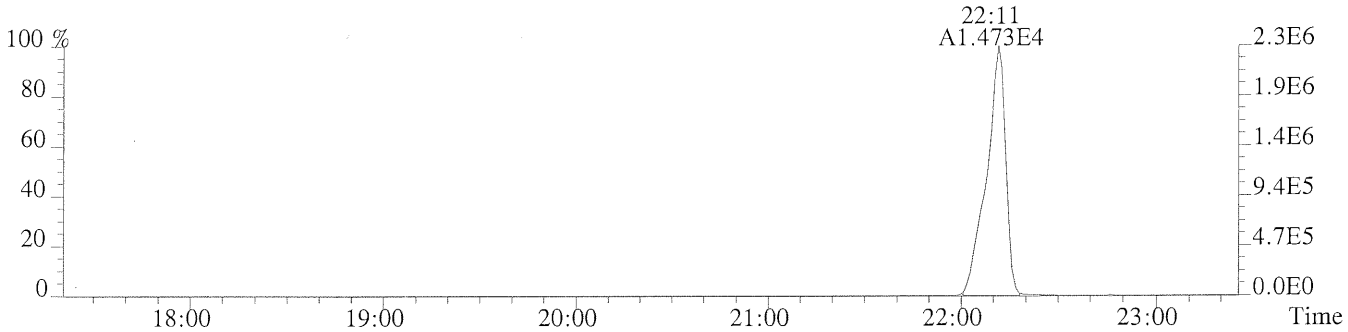
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



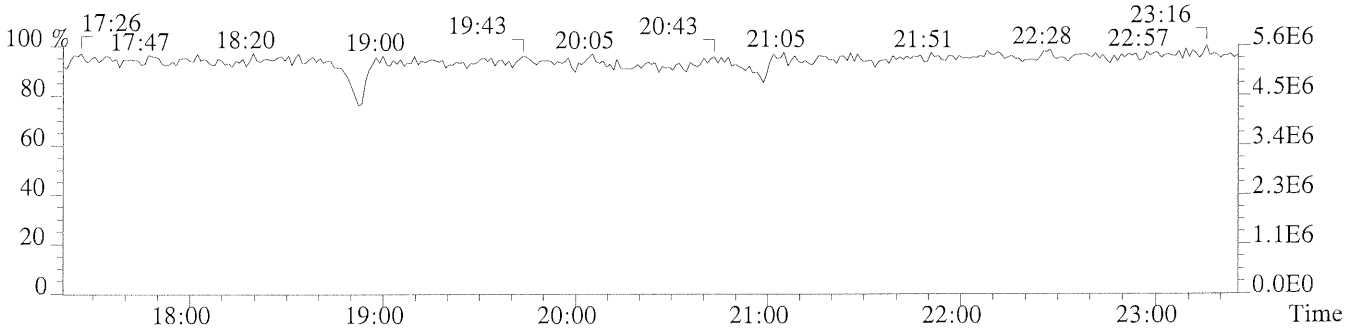
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5292.0,1.00%,F,T)



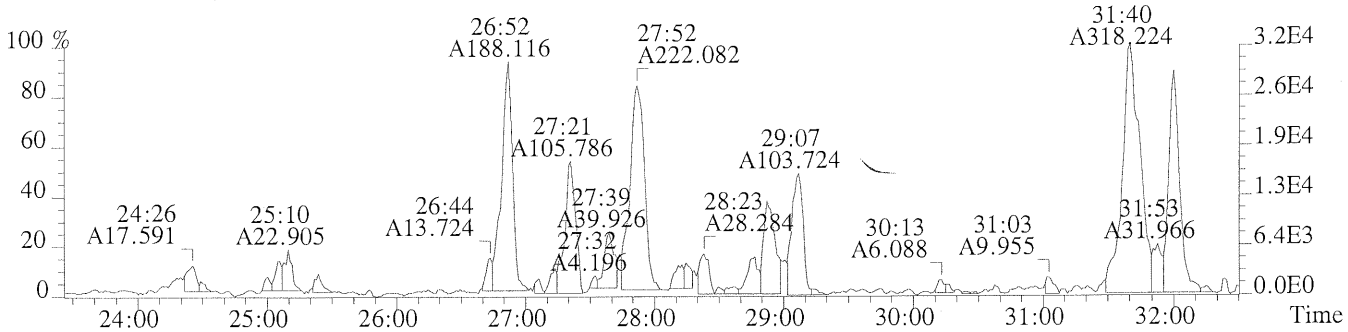
303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1216.0,1.00%,F,T)



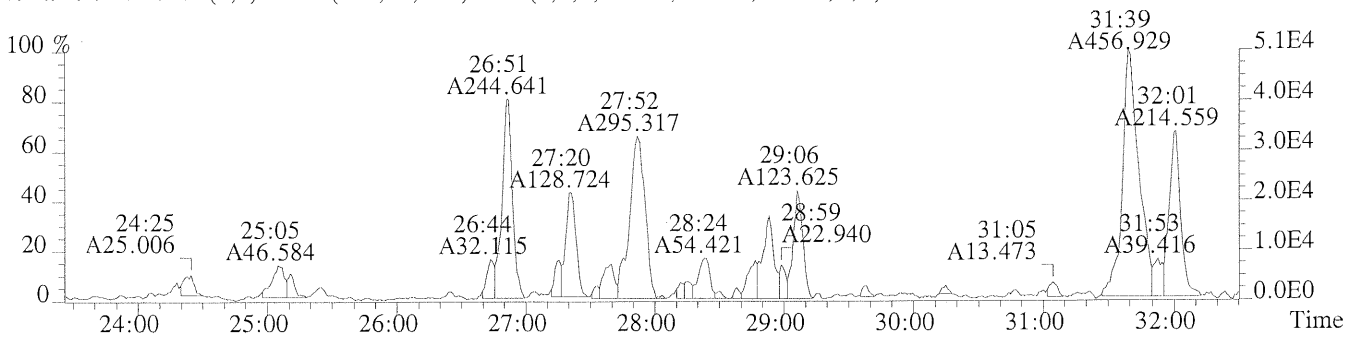
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



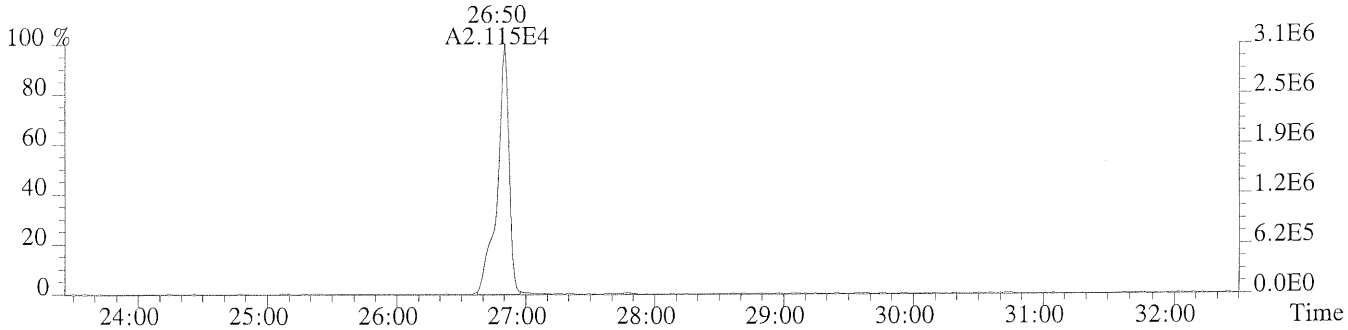
File:U142177 #1-580 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,864.0,1.00%,F,T)



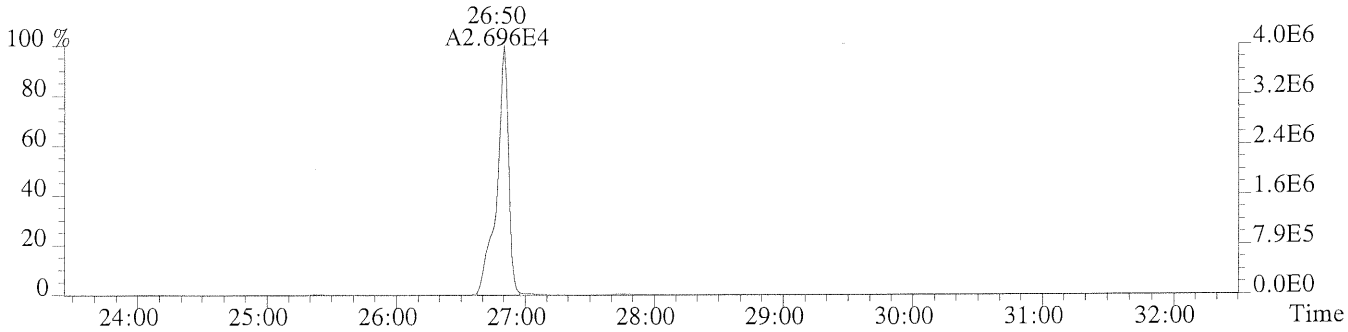
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1224.0,1.00%,F,T)



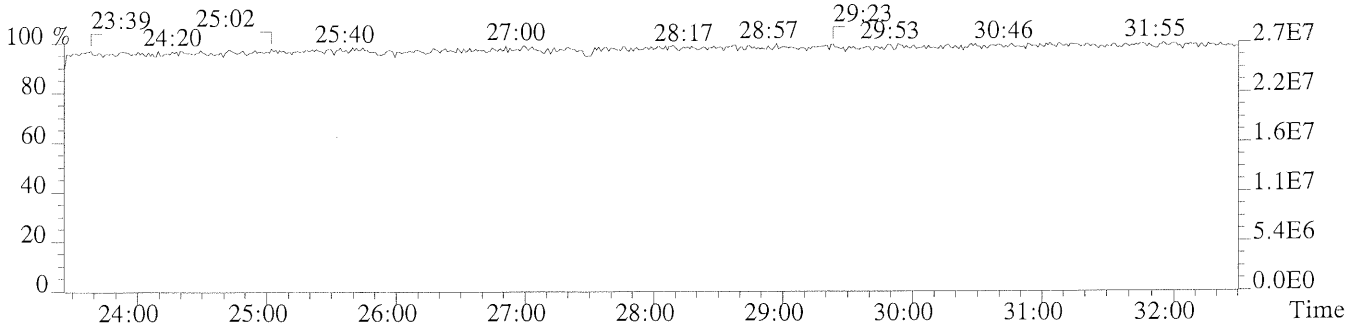
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3728.0,1.00%,F,T)



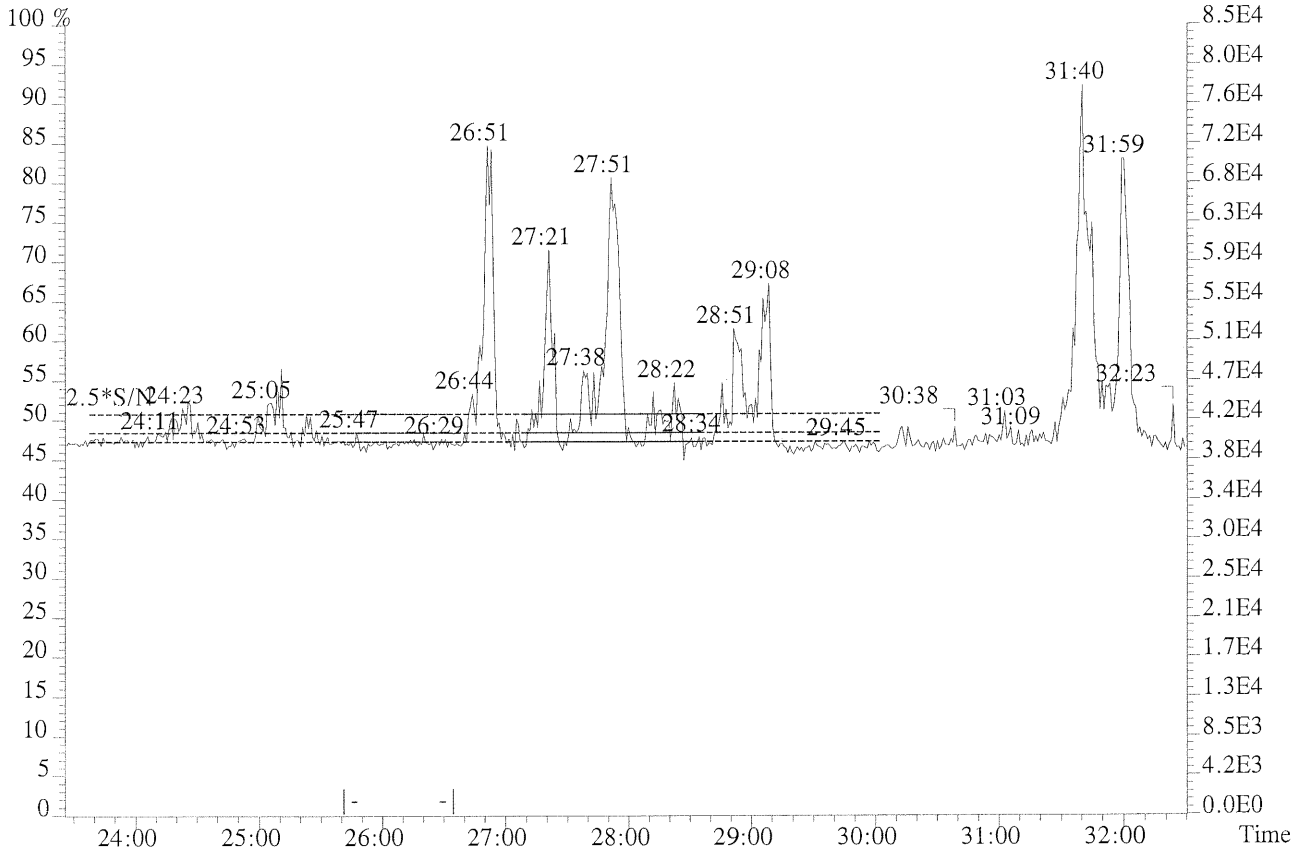
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1800.0,1.00%,F,T)



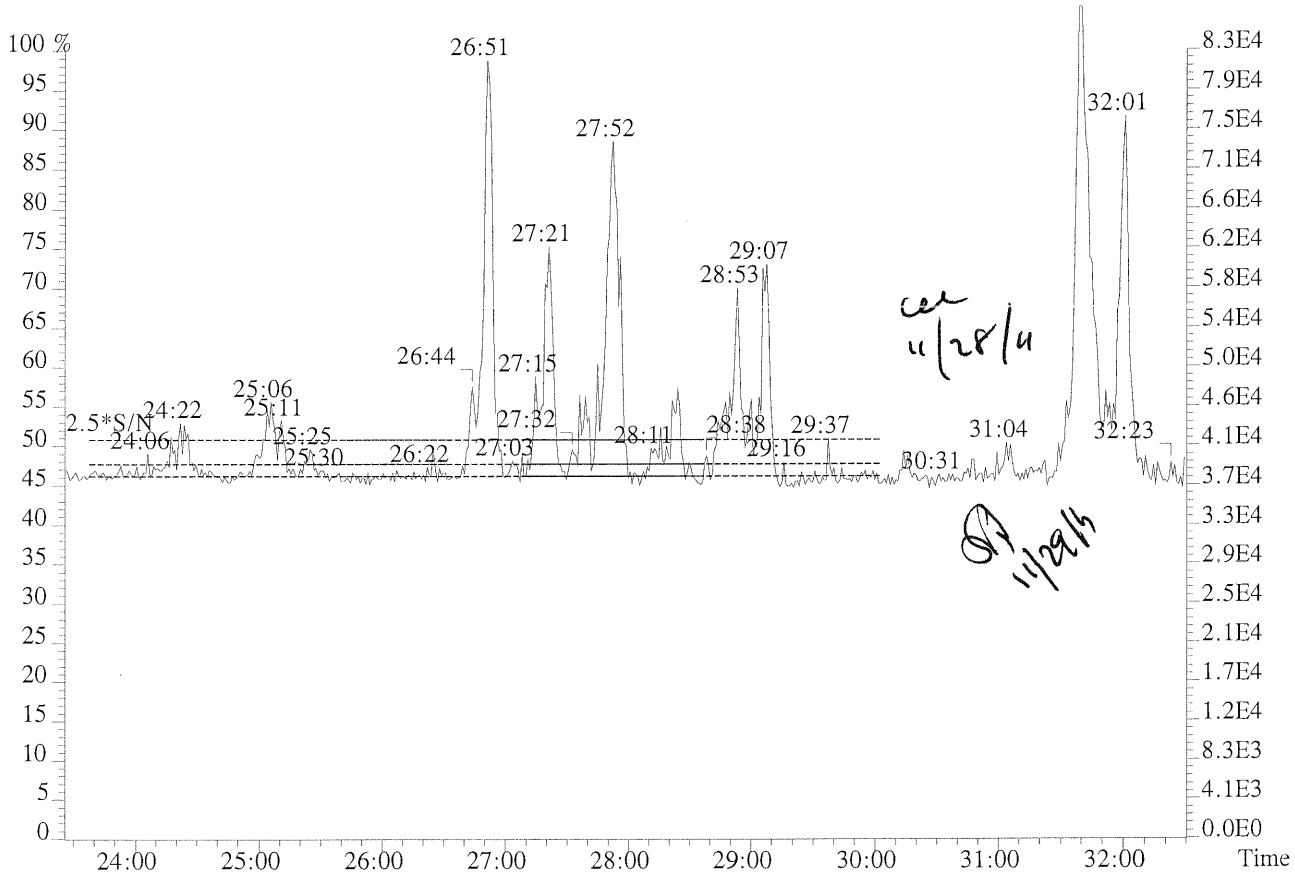
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142177 #1-580 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-005 KC91-152L
289.9224 F:3



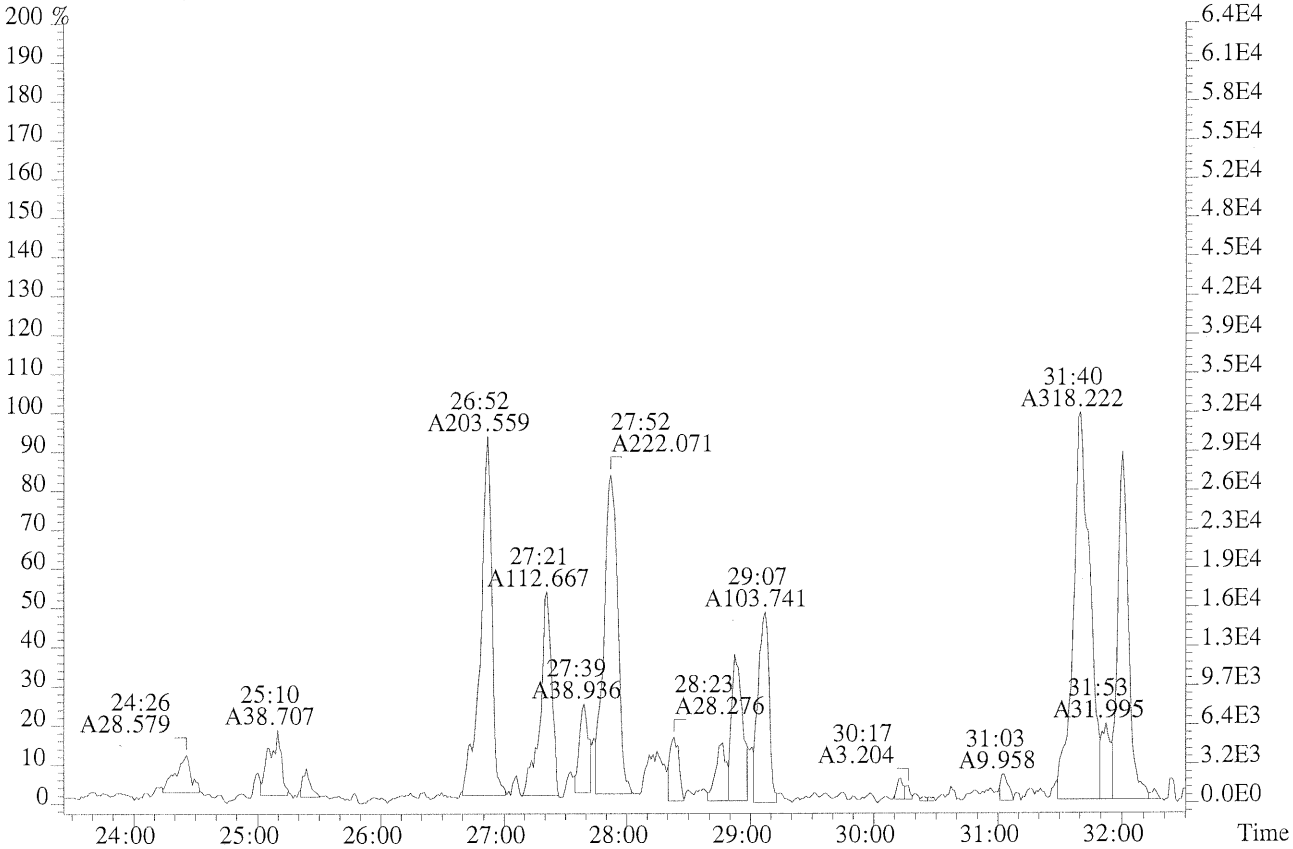
291.9194 F:3



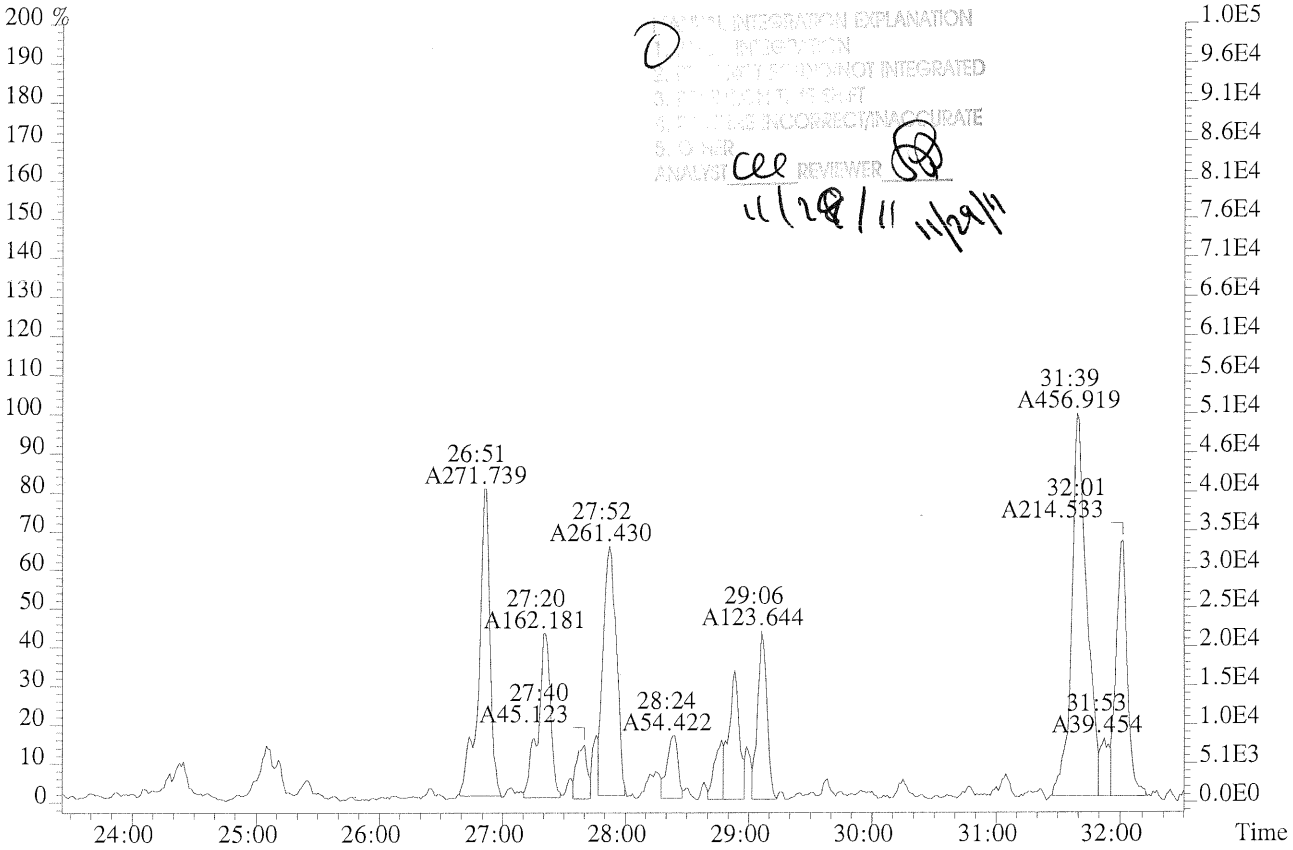
cc 11/28/11

11/29/11

File:U142177 #1-580 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-005 KC91-152L
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0)

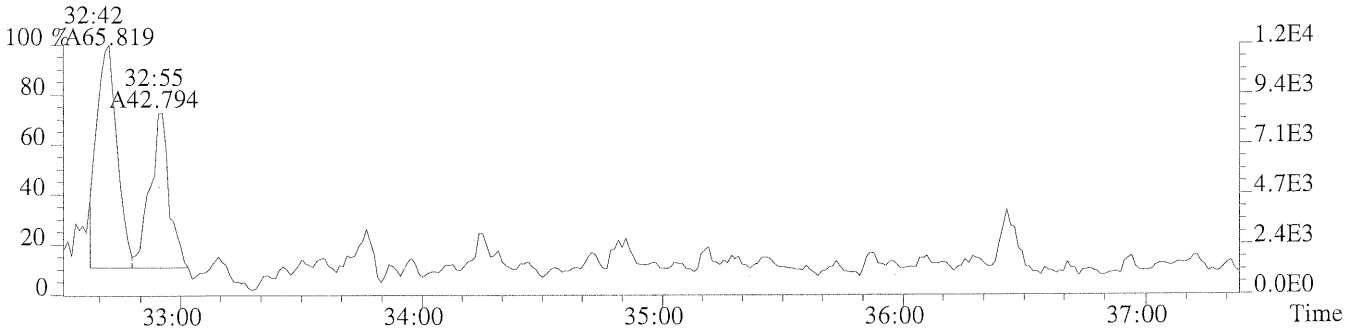


291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0)

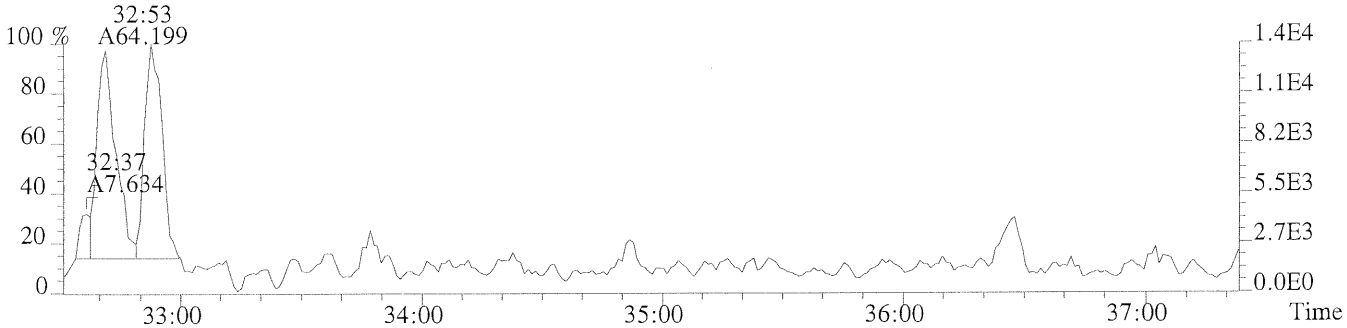


INTEGRATION EXPLANATION
1. INTEGRATION
2. PEAK(S) ARE/AND NOT INTEGRATED
3. RT SHIFT
4. PEAK(S) INCORRECT/INACCURATE
5. OTHER
ANALYST cee REVIEWER
11/28/11 11/29/11

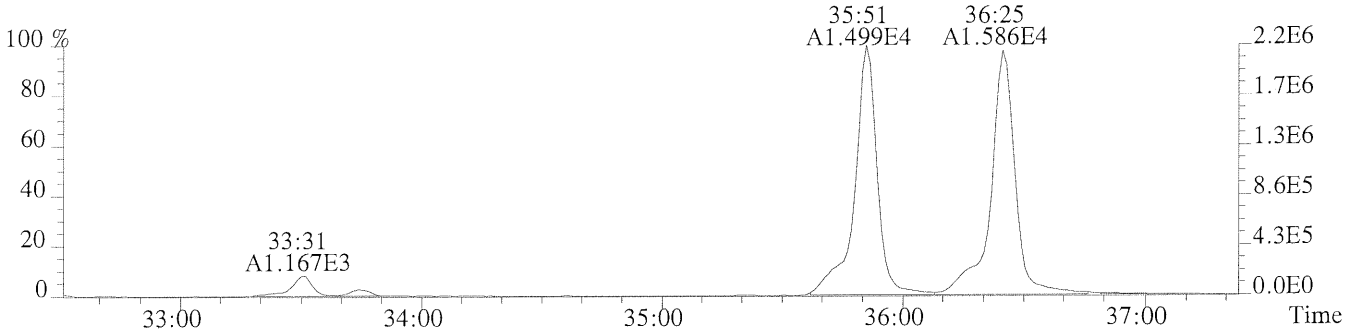
File:U142177 #1-312 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1736.0,1.00%,F,T)



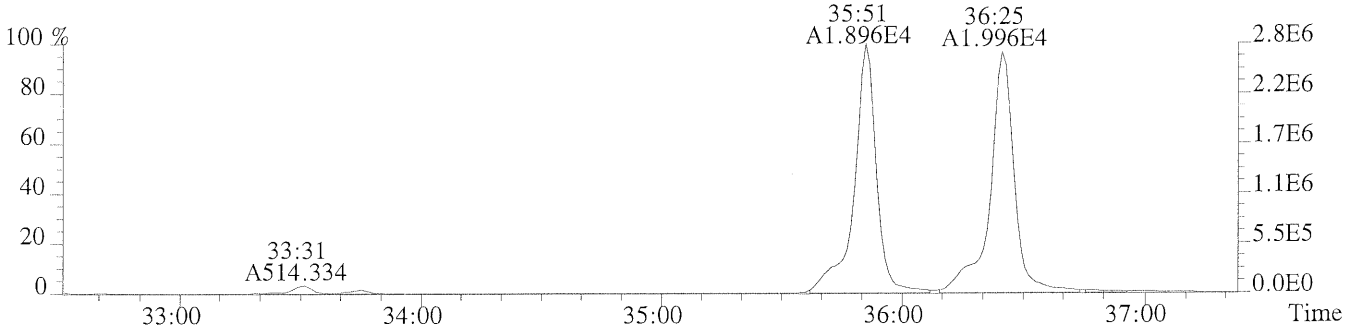
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1796.0,1.00%,F,T)



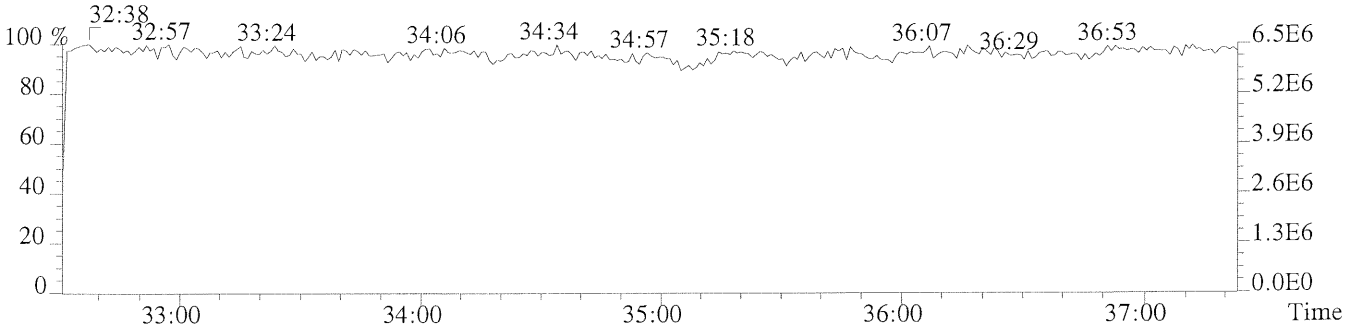
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2672.0,1.00%,F,T)



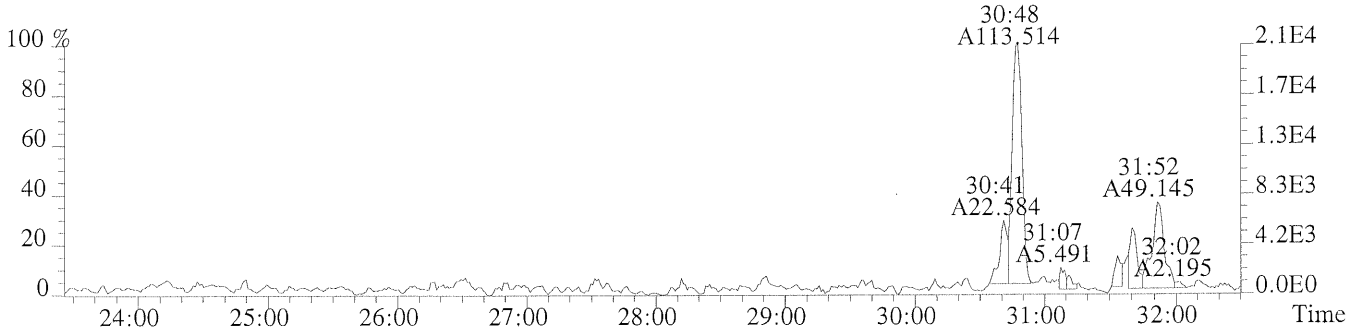
303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1136.0,1.00%,F,T)



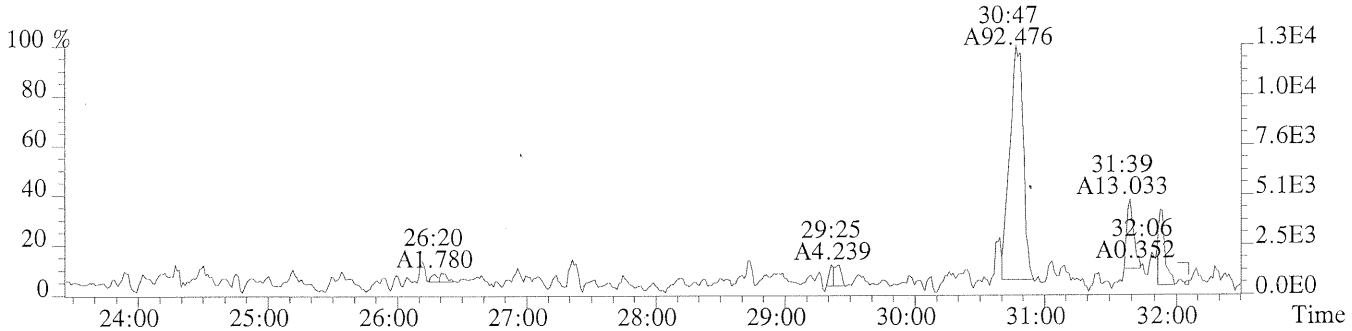
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



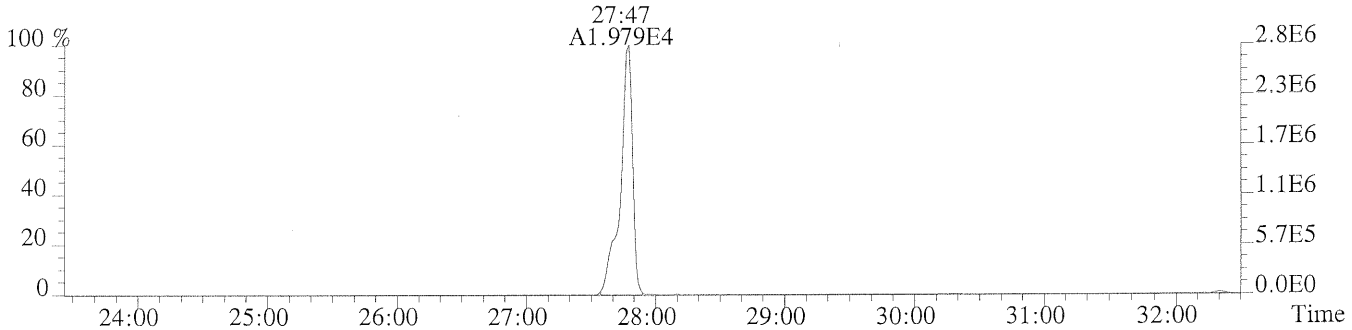
File:U142177 #1-580 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,748.0,1.00%,F,T)



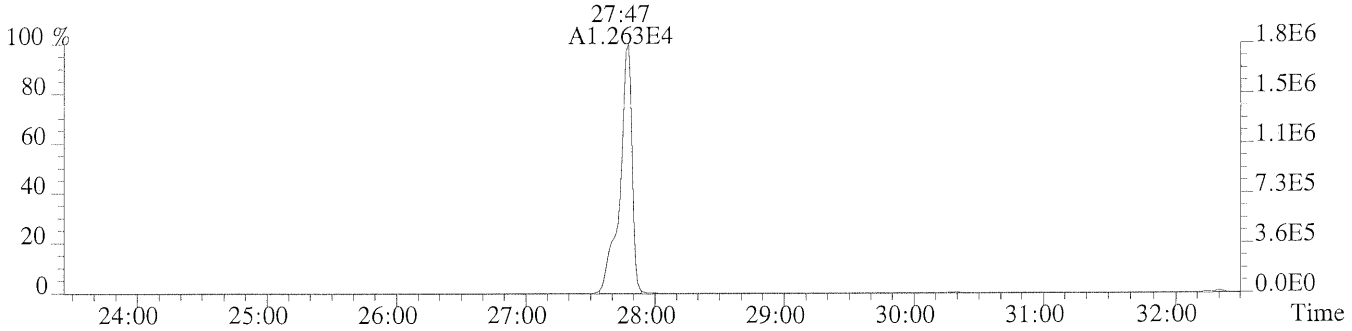
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



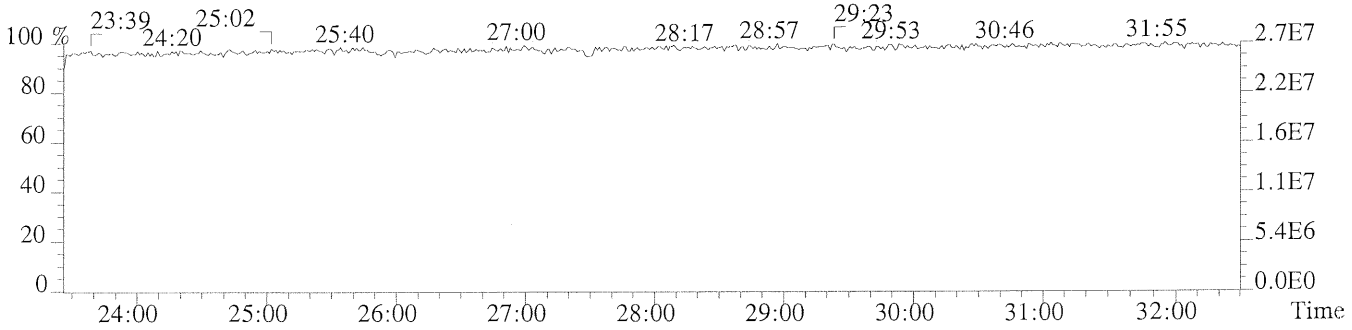
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1240.0,1.00%,F,T)



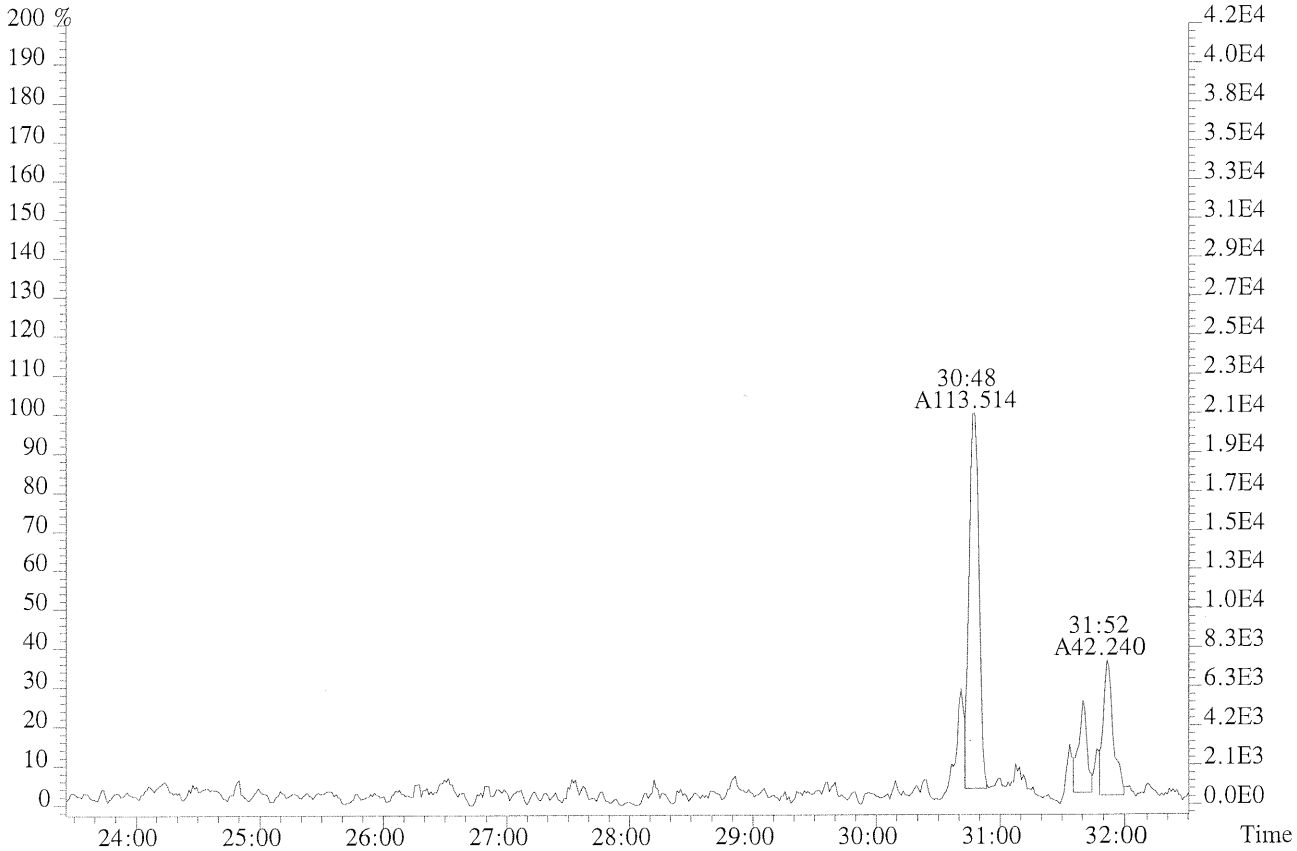
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,816.0,1.00%,F,T)



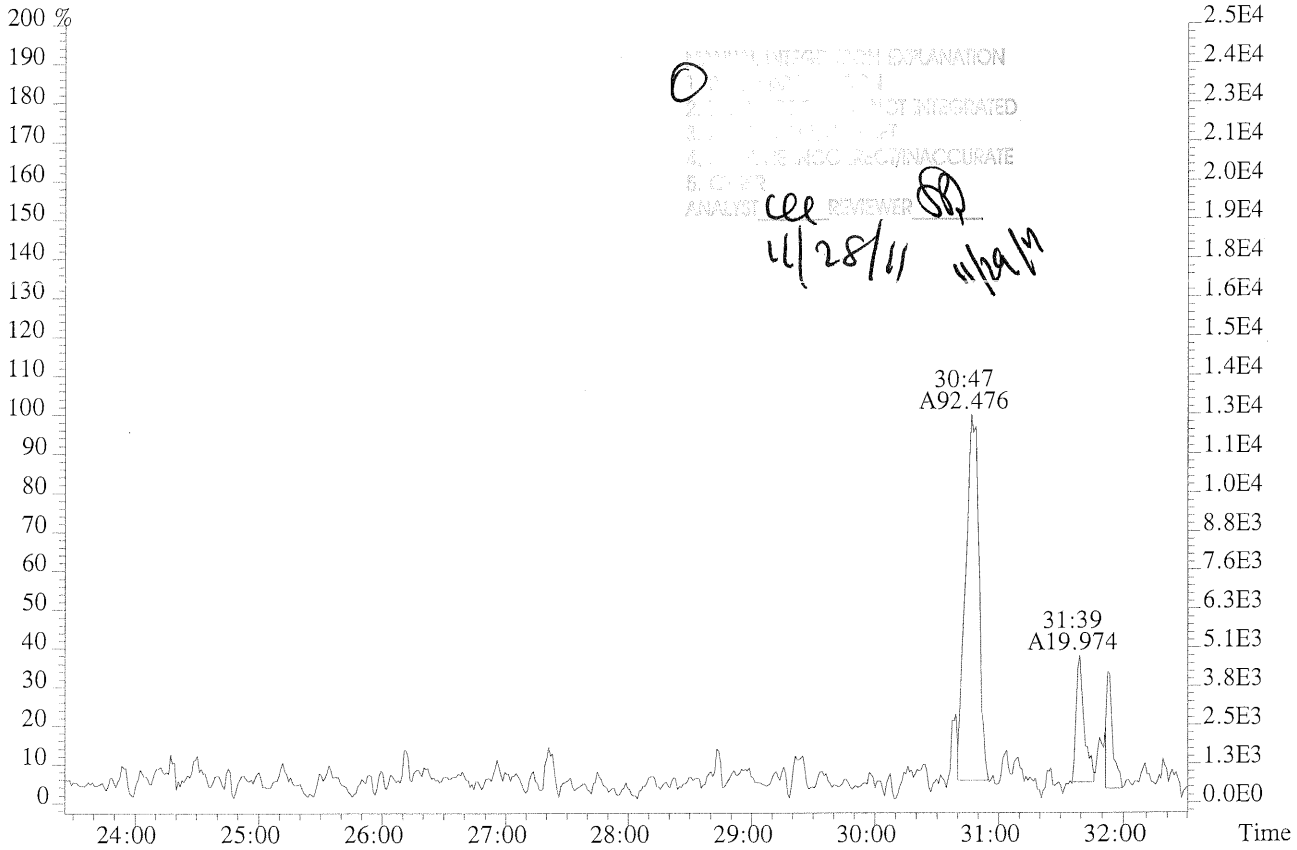
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



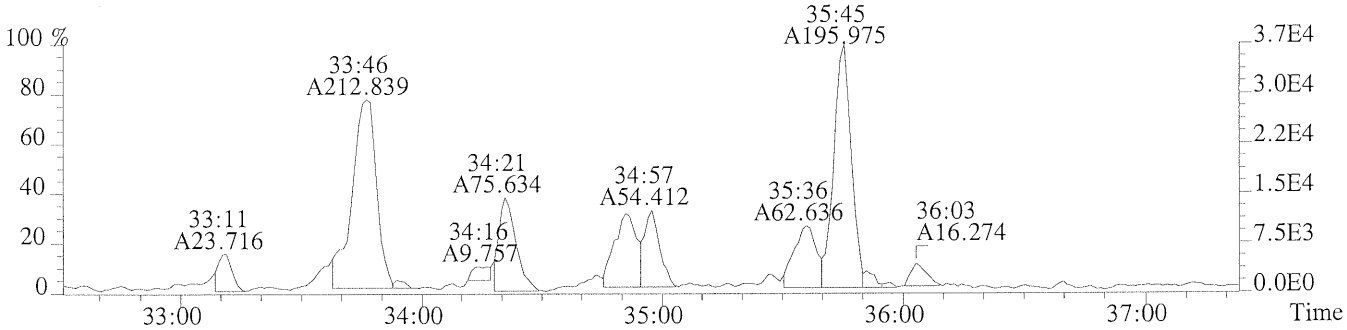
File:U142177 #1-580 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-005 KC91-152L
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,748.0,1.00%,F,T)



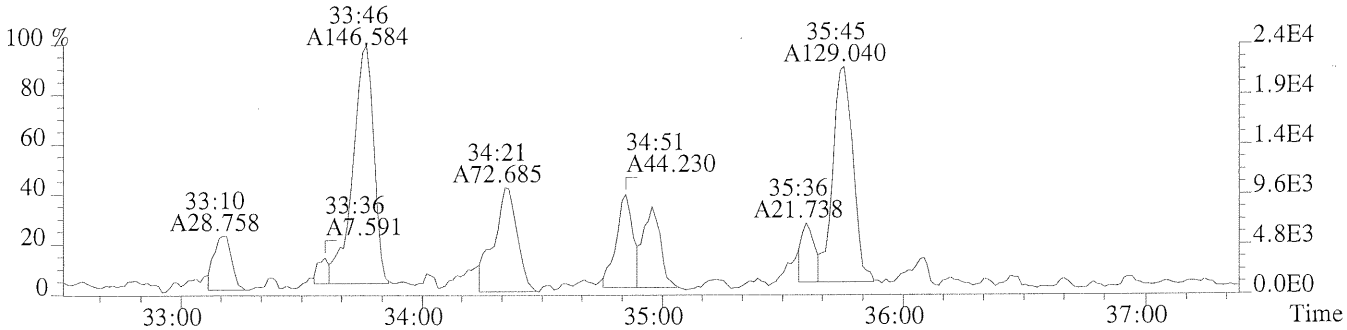
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



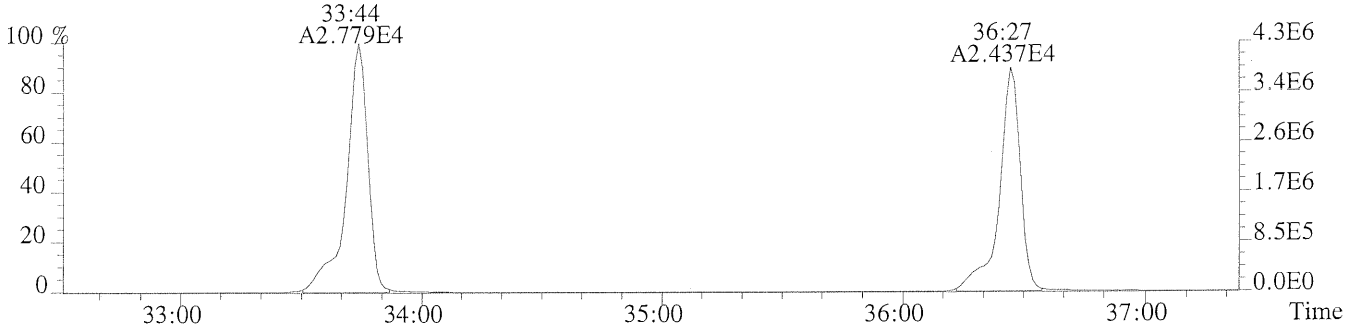
File:U142177 #1-312 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1256.0,1.00%,F,T)



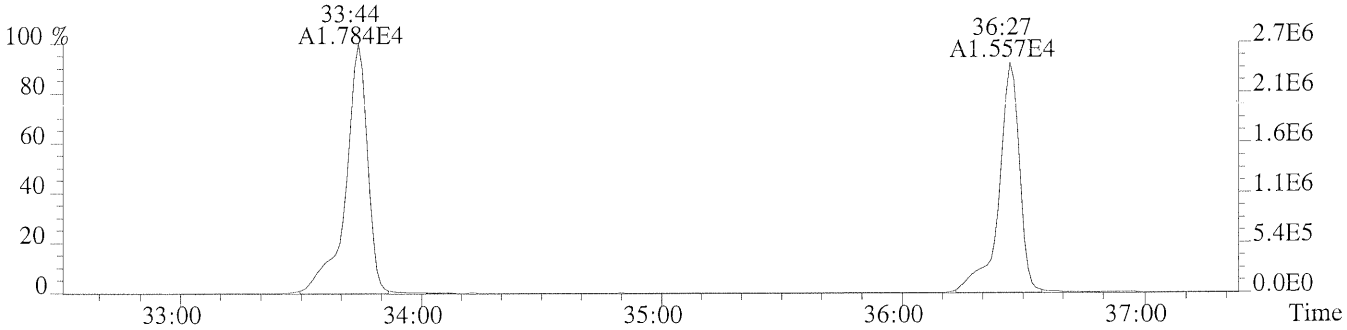
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1328.0,1.00%,F,T)



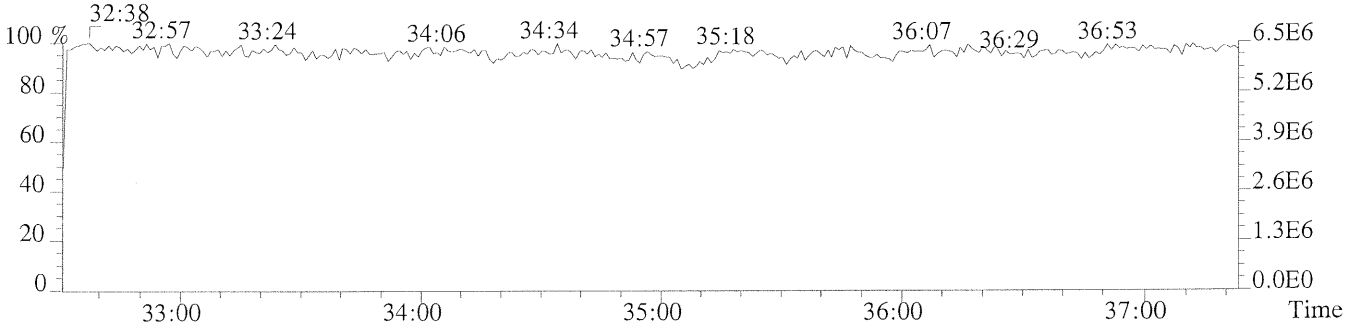
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2216.0,1.00%,F,T)



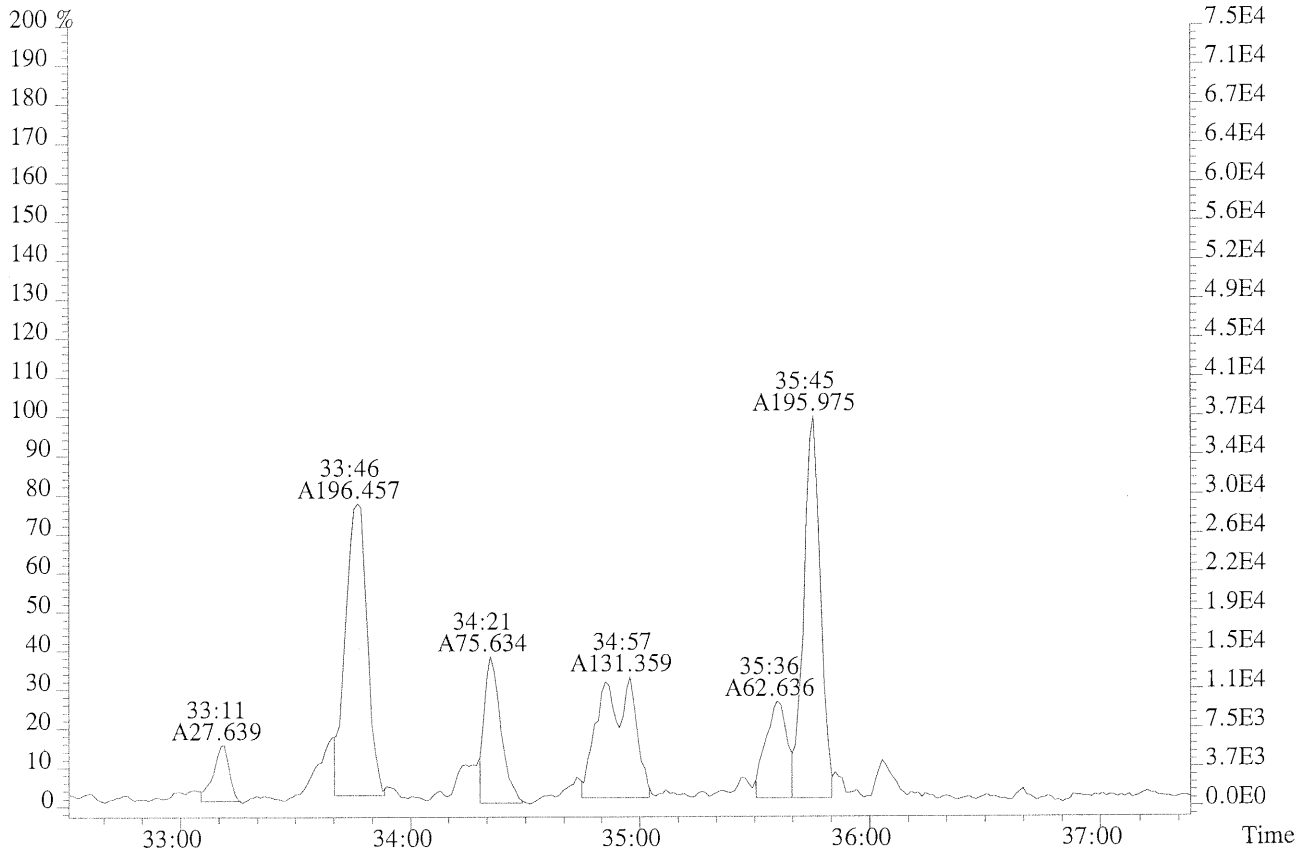
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)



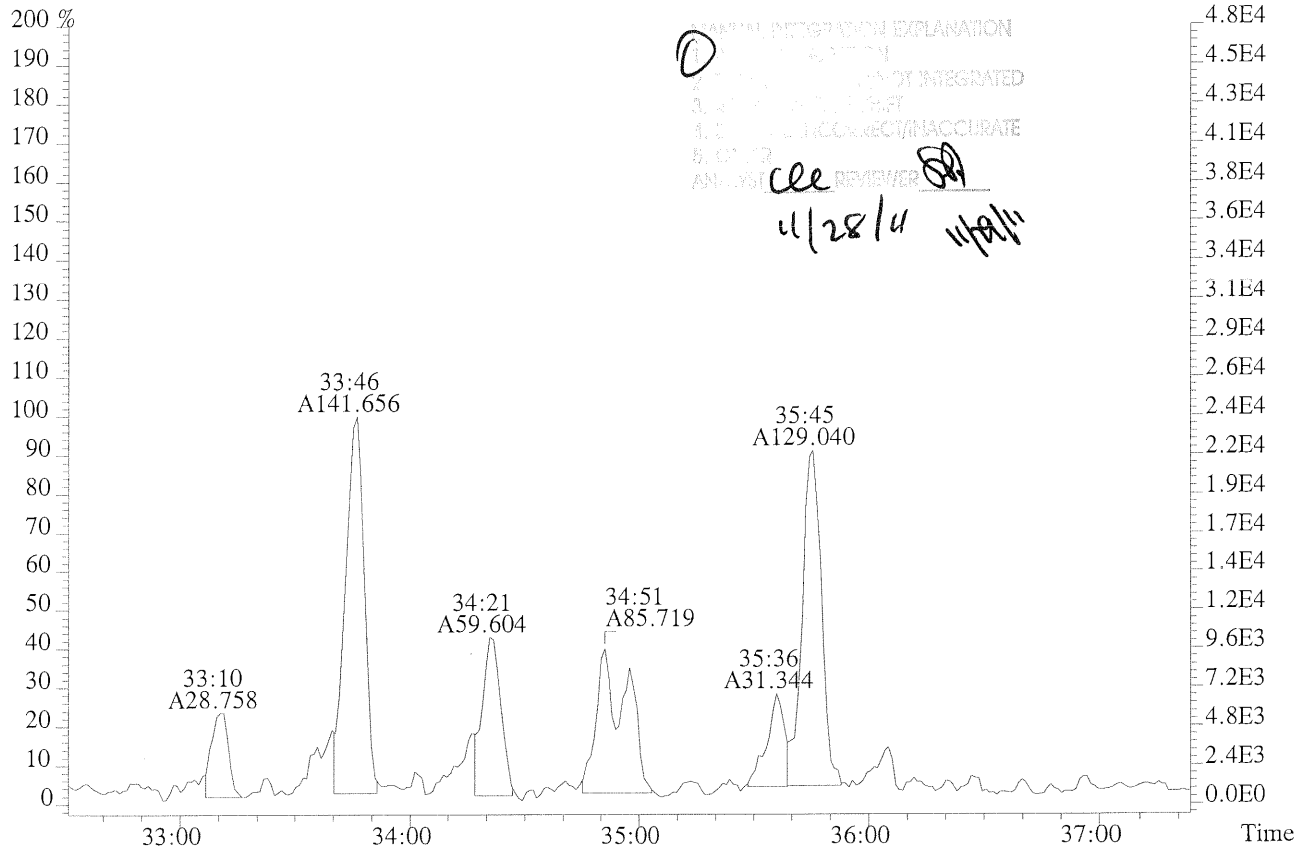
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142177 #1-312 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-005 KC91-152L
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1256.0,1.00%,F,T)

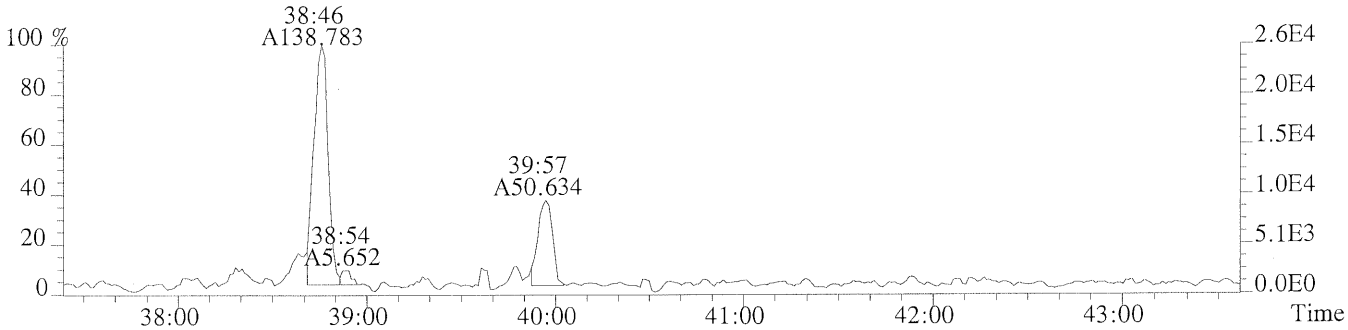


327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1328.0,1.00%,F,T)

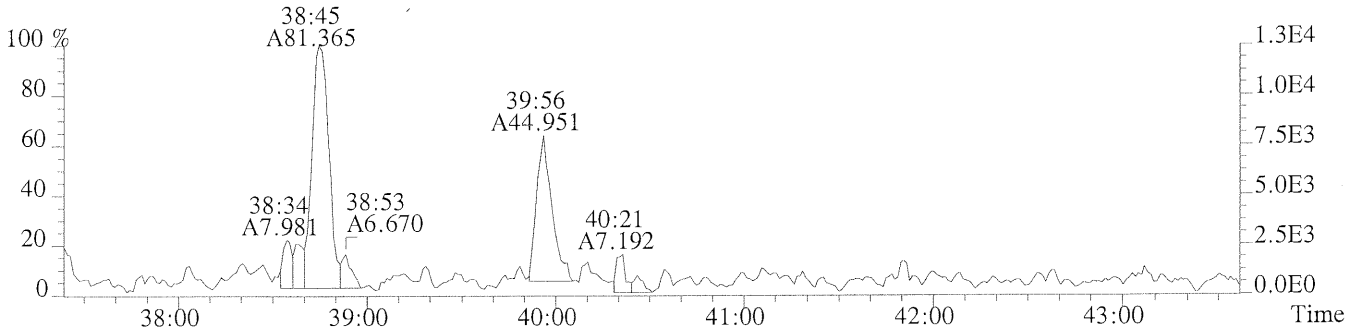


File:U142177 #1-398 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L

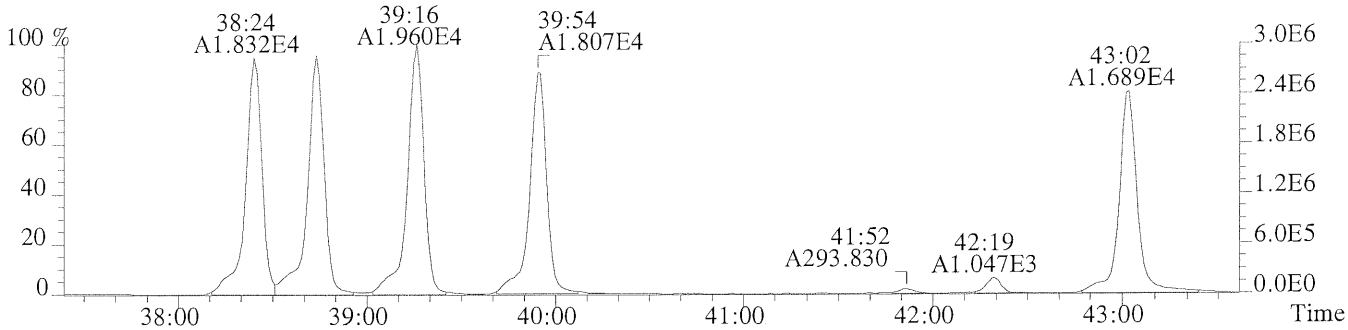
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1416.0,1.00%,F,T)



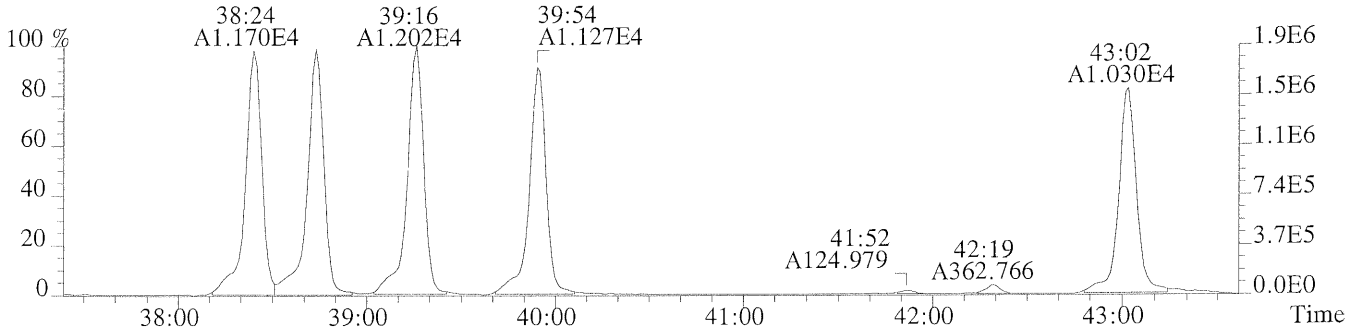
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



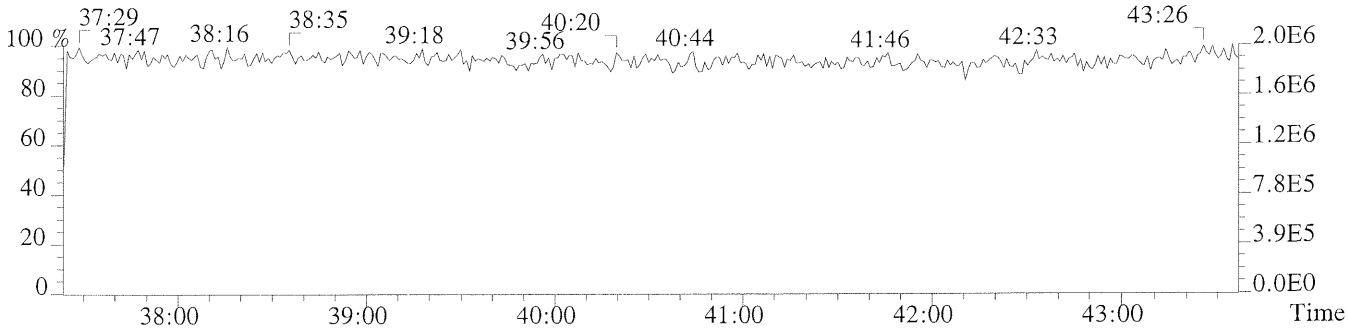
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4092.0,1.00%,F,T)



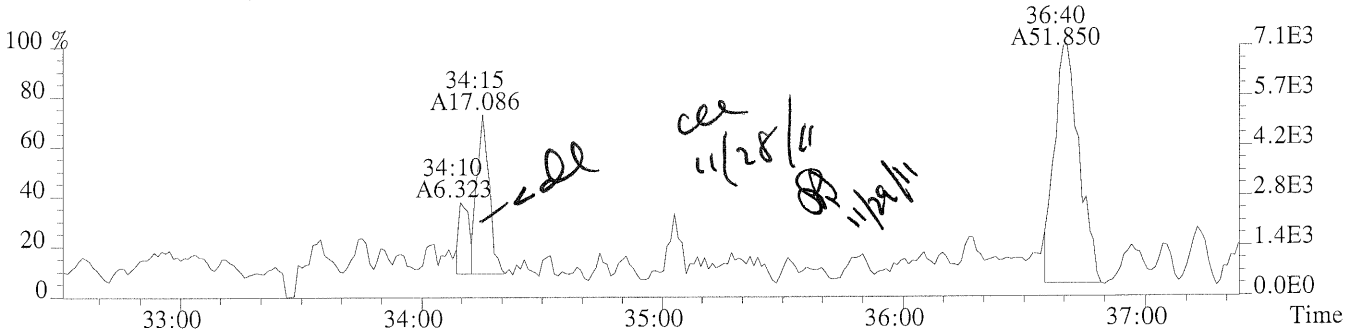
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6568.0,1.00%,F,T)



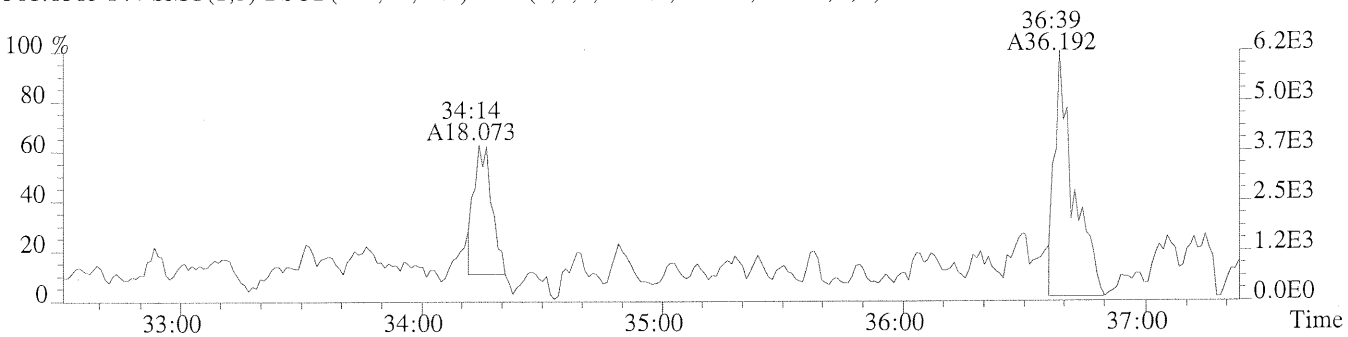
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



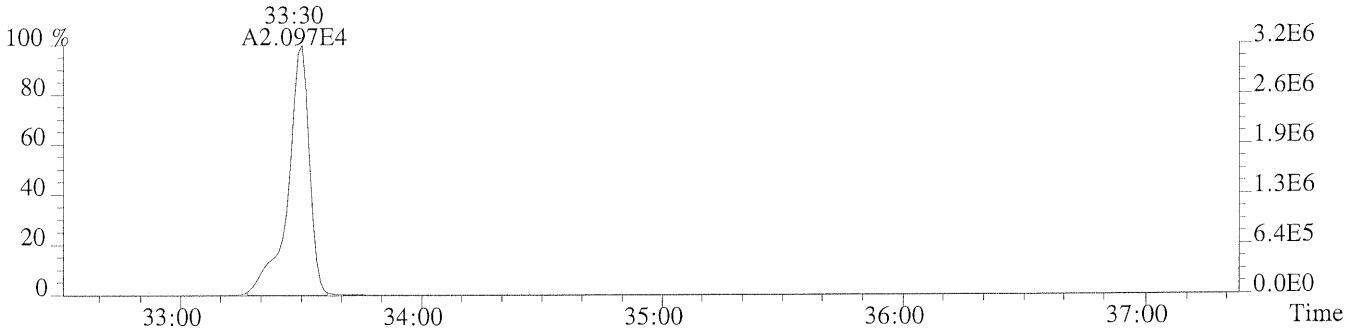
File:U142177 #1-312 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)



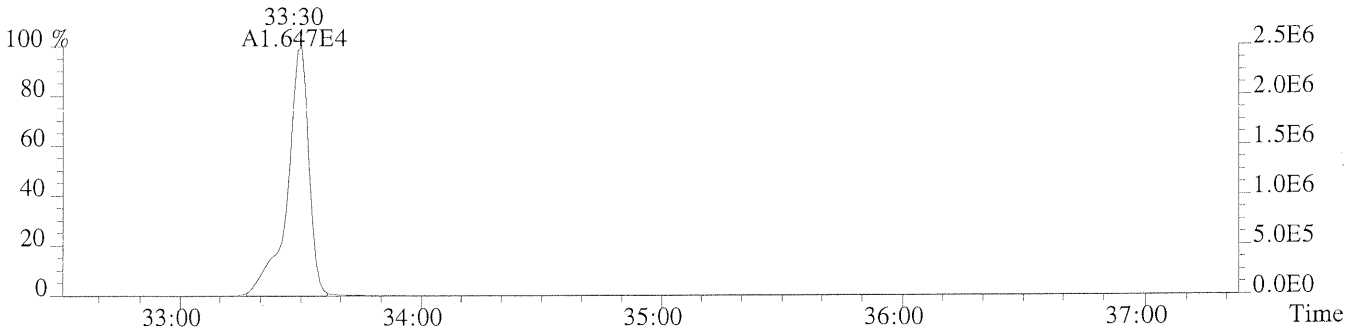
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1068.0,1.00%,F,T)



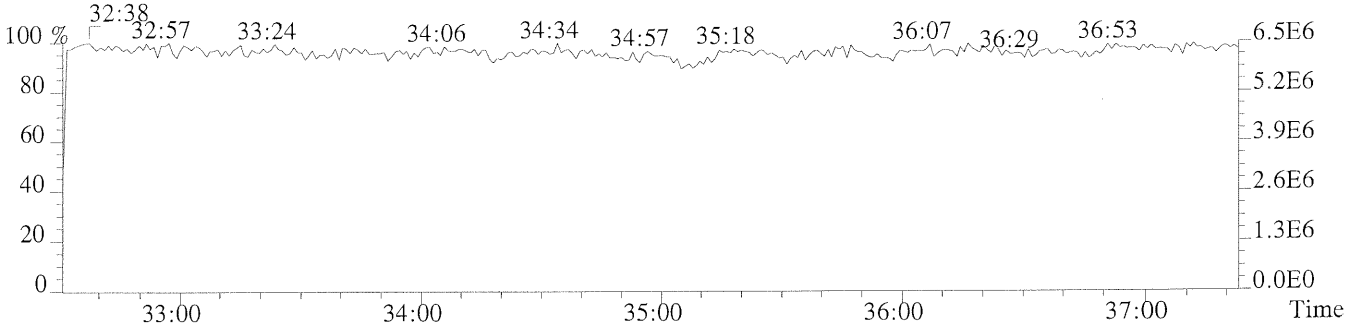
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)

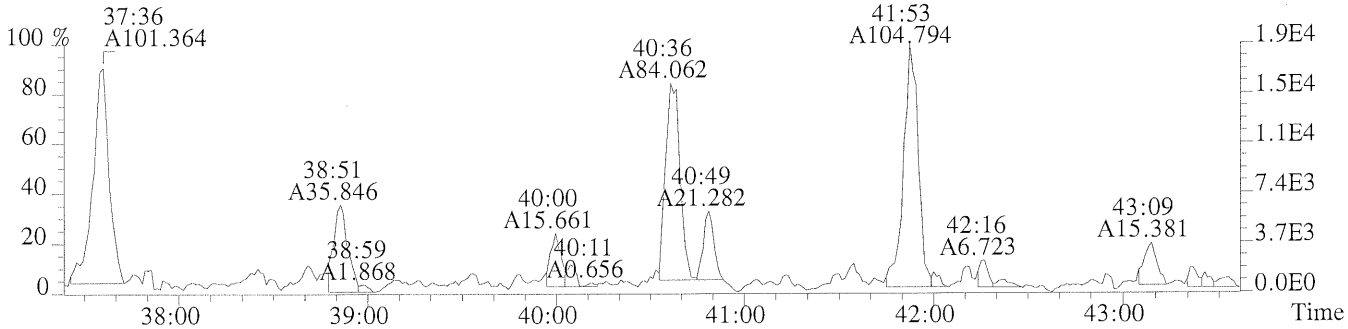


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

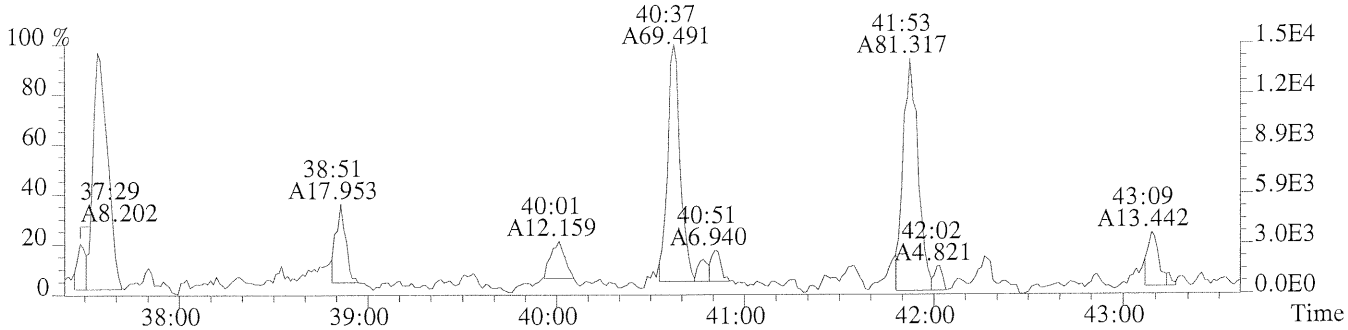


File:U142177 #1-398 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L

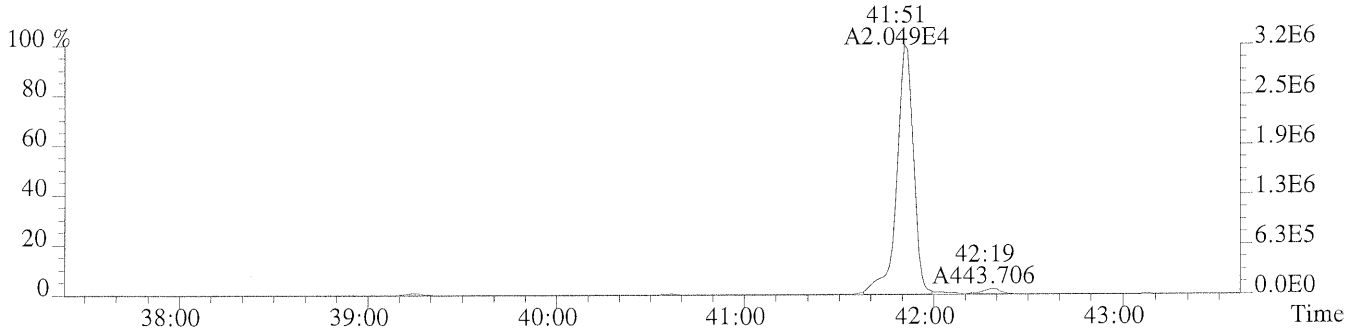
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,980.0,1.00%,F,T)



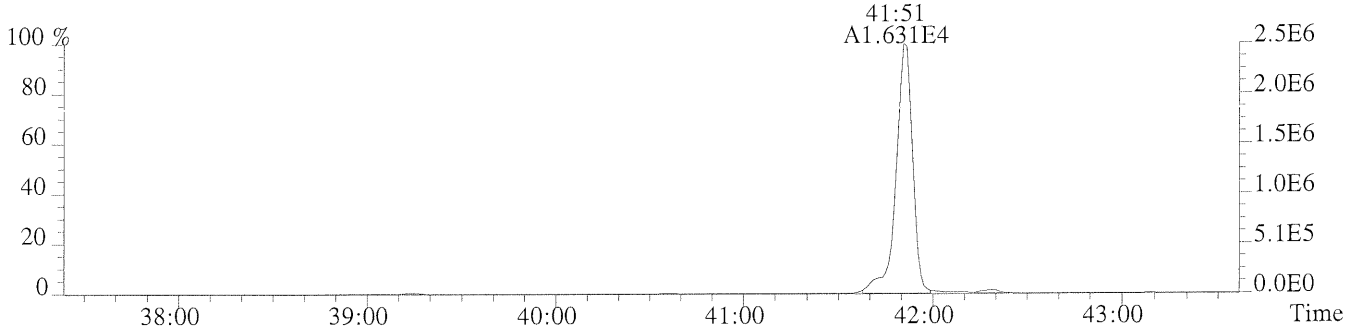
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,908.0,1.00%,F,T)



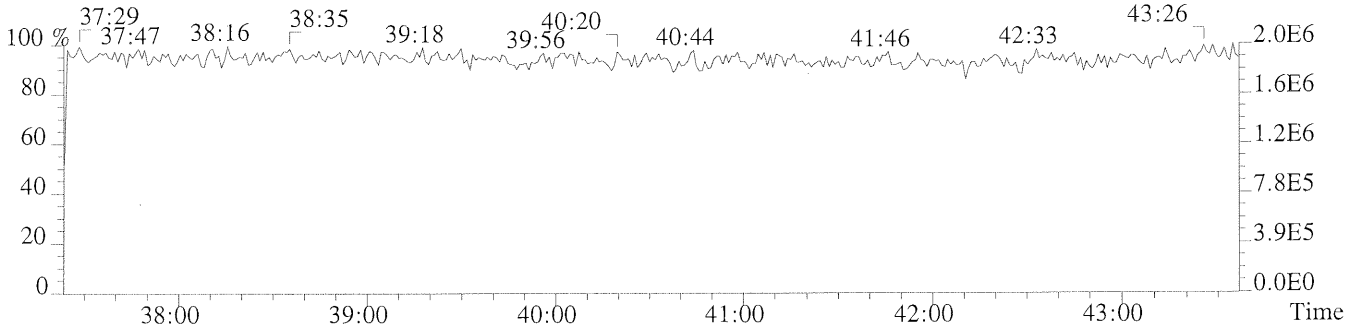
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,788.0,1.00%,F,T)



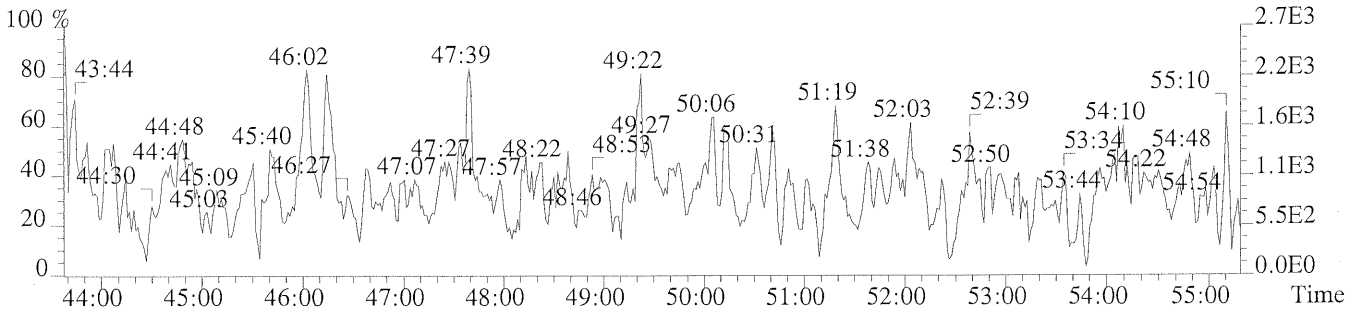
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,852.0,1.00%,F,T)



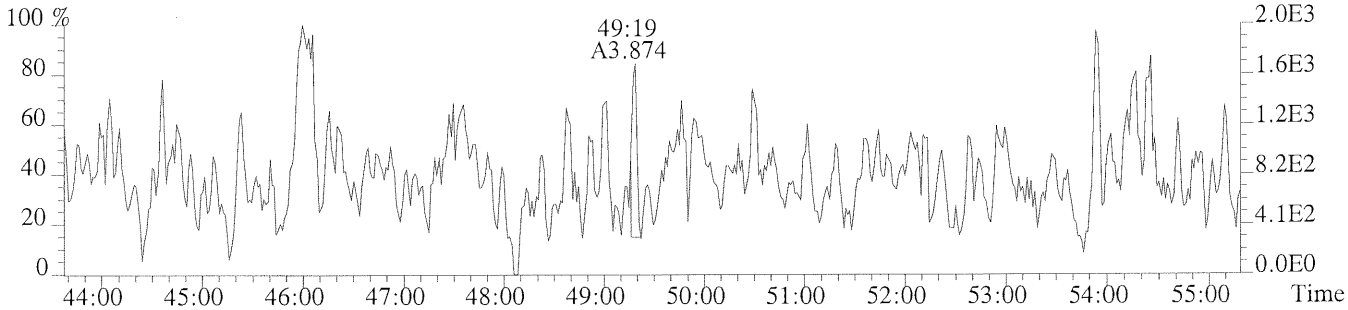
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



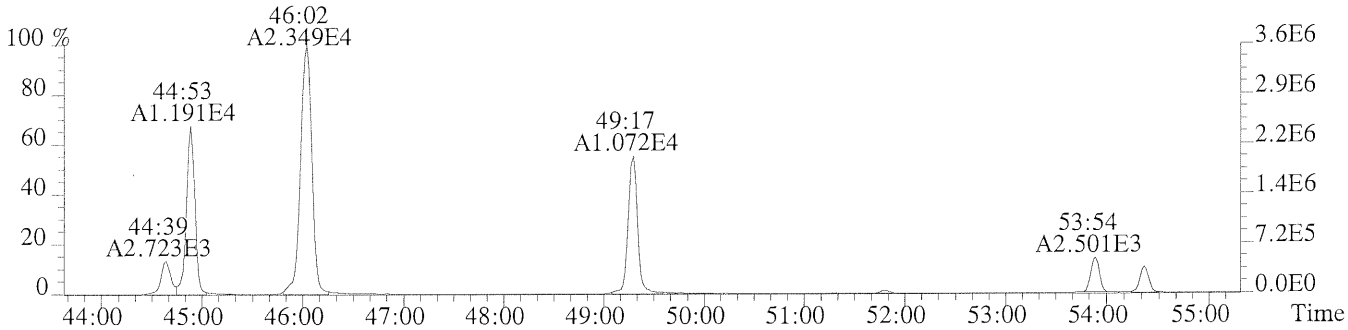
File:U142177 #1-579 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1160.0,1.00%,F,T)



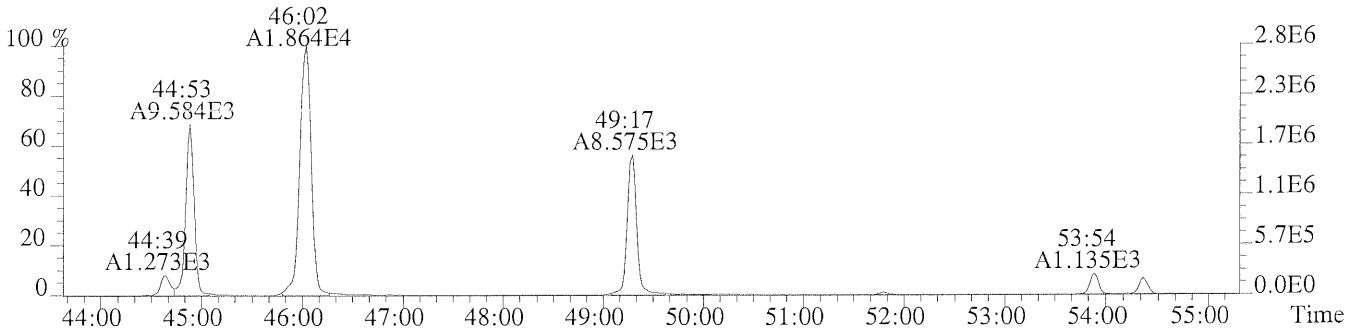
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,988.0,1.00%,F,T)



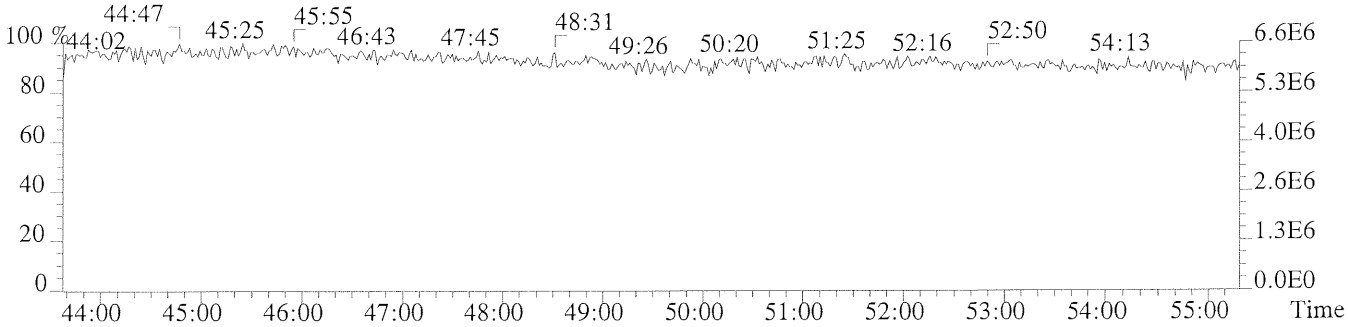
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1828.0,1.00%,F,T)



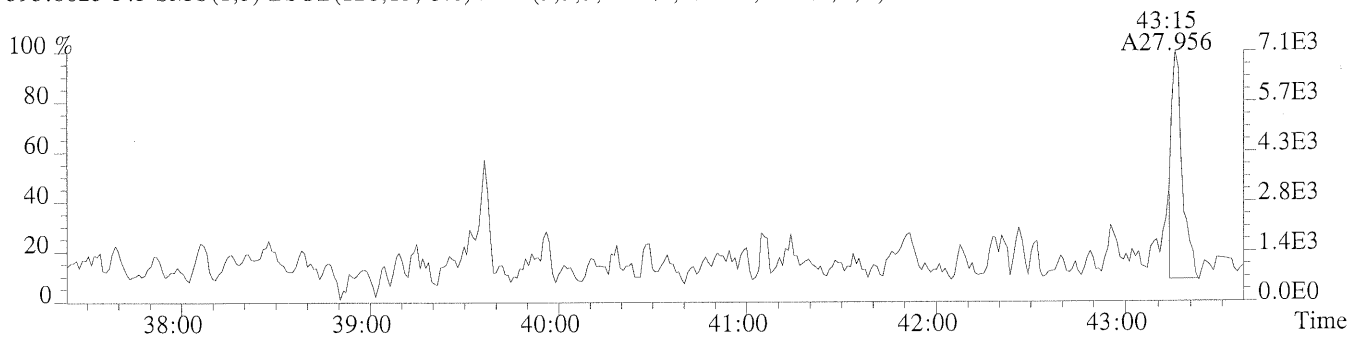
373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1916.0,1.00%,F,T)



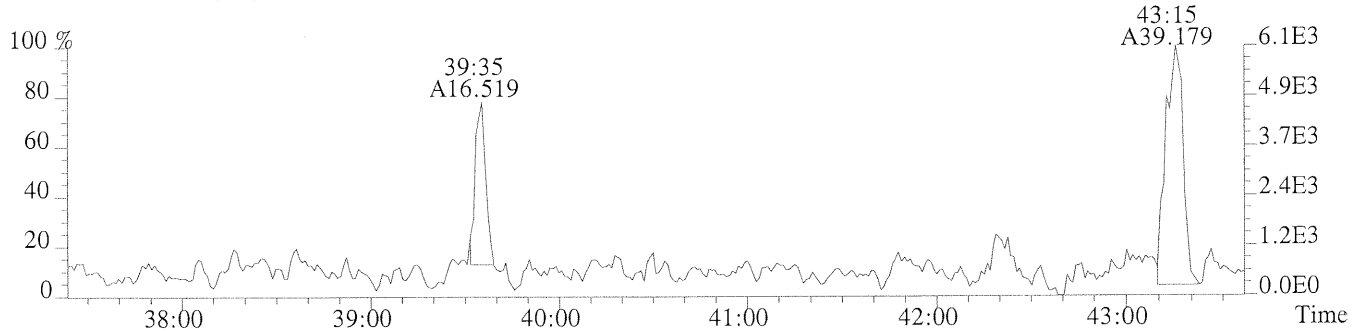
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



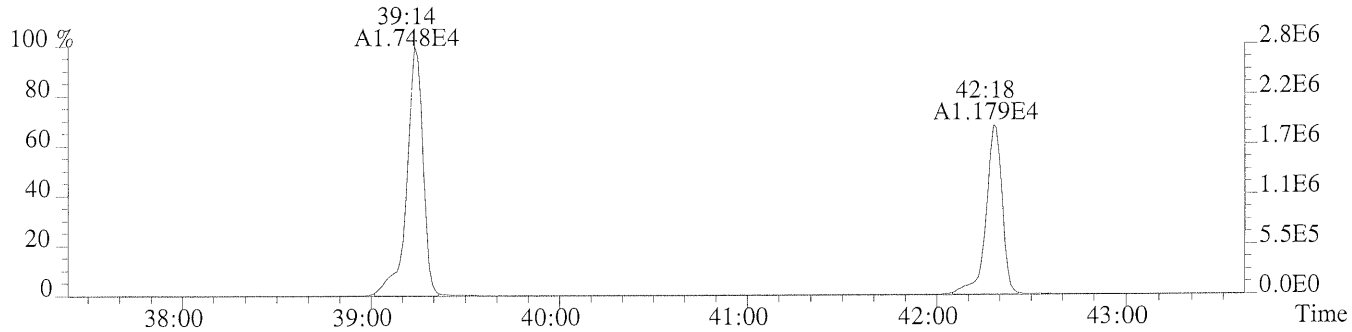
File:U142177 #1-398 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1388.0,1.00%,F,T)



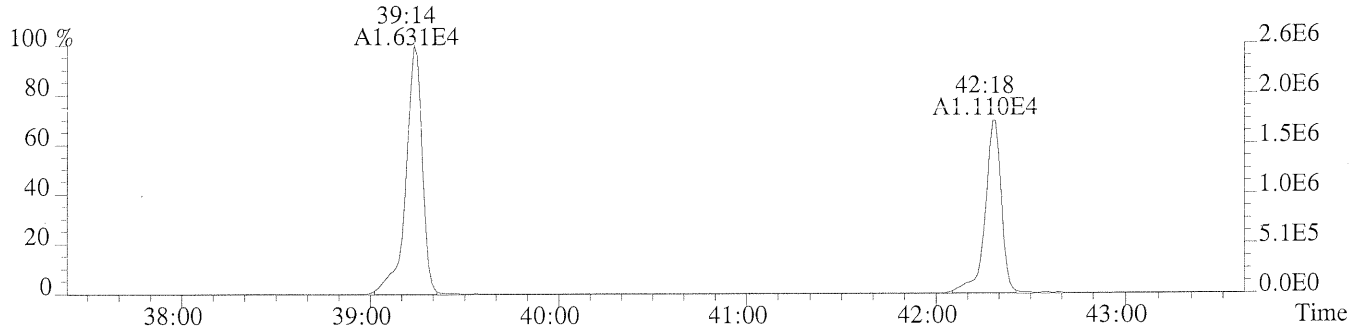
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,788.0,1.00%,F,T)



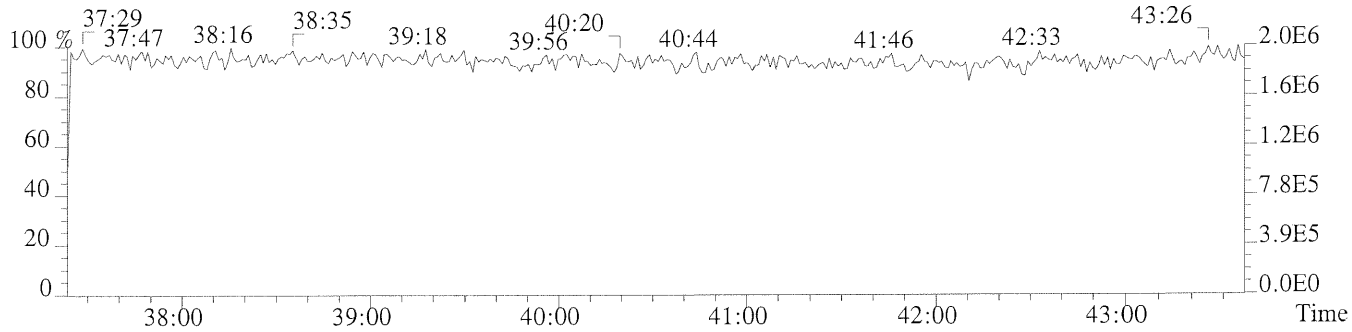
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1012.0,1.00%,F,T)



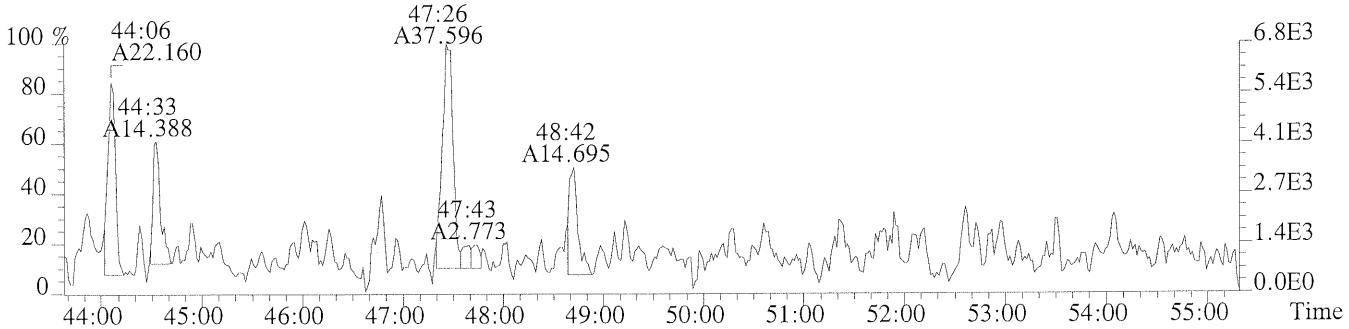
407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)



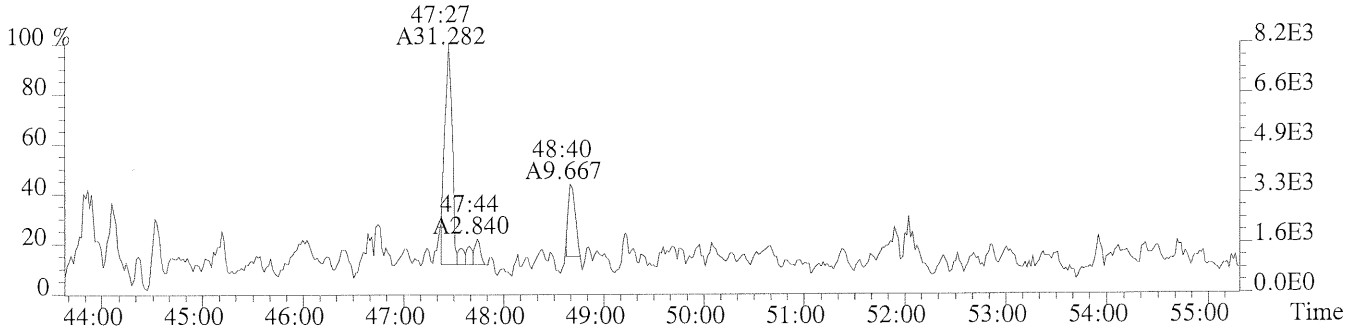
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



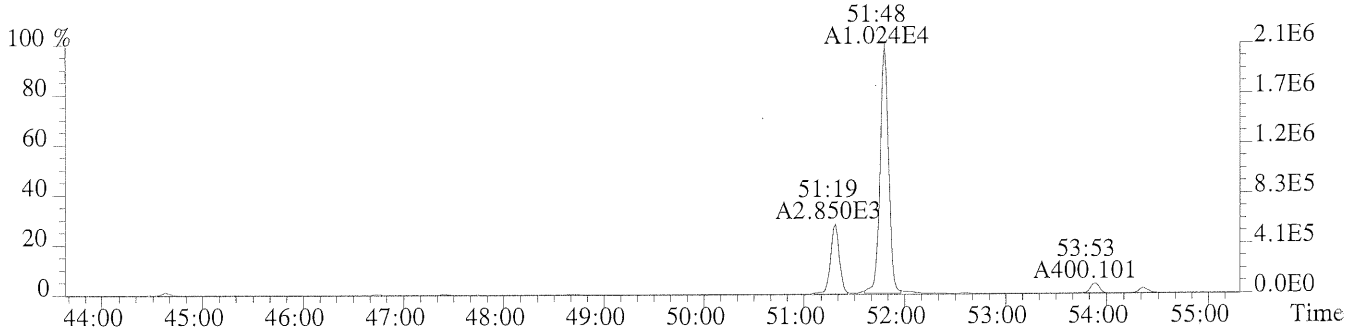
File:U142177 #1-579 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1288.0,1.00%,F,T)



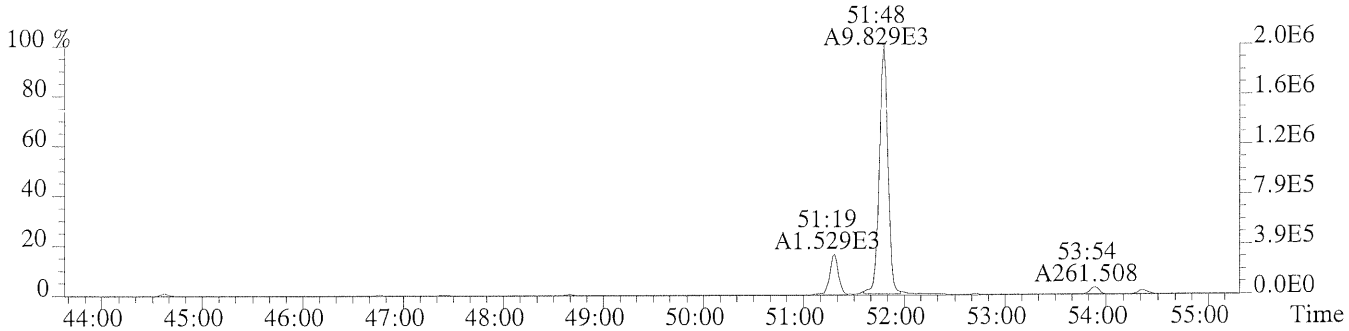
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1488.0,1.00%,F,T)



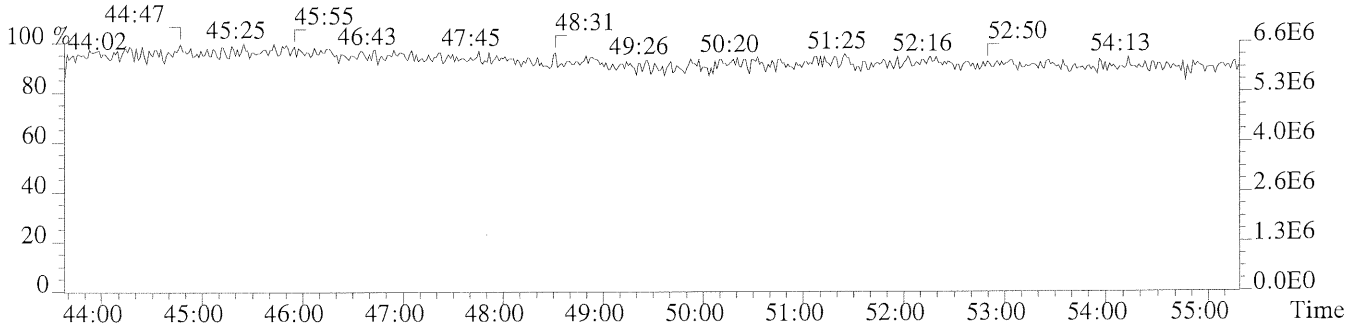
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1412.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1160.0,1.00%,F,T)

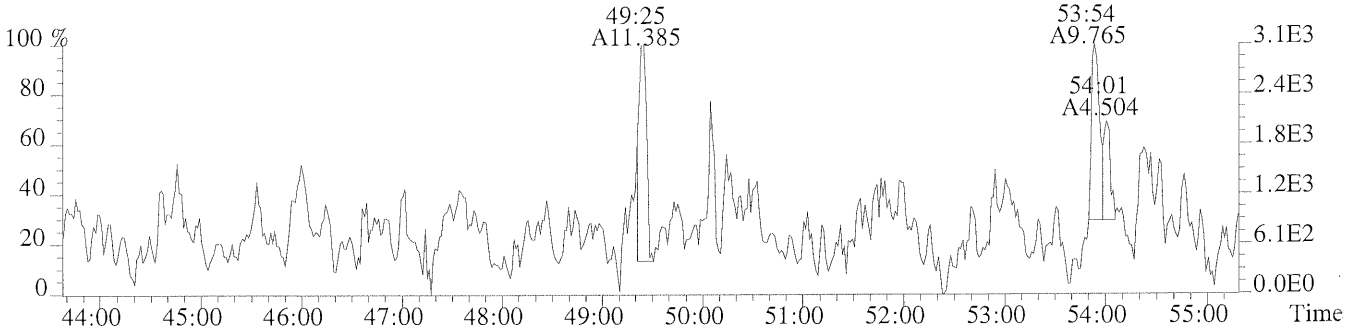


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

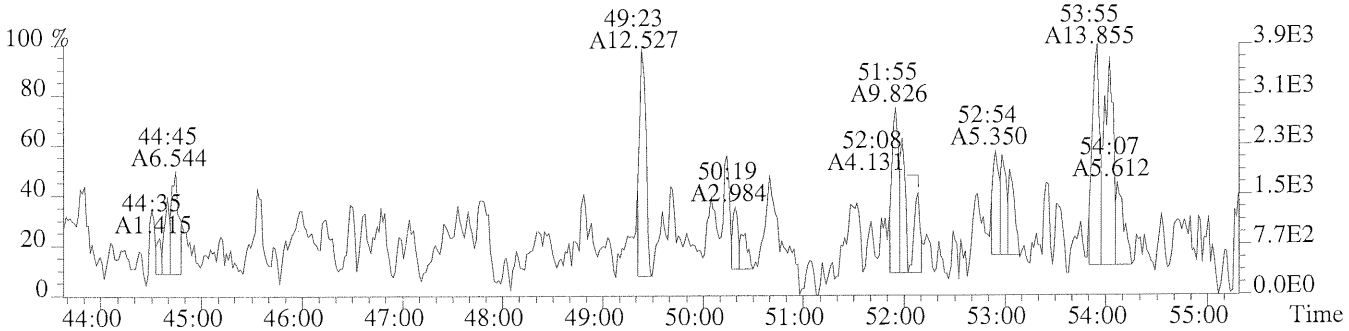


File:U142177 #1-579 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L

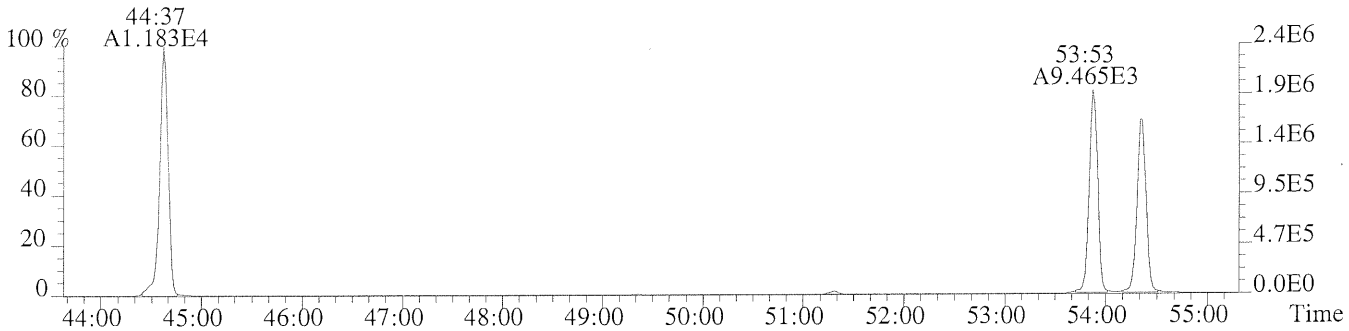
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



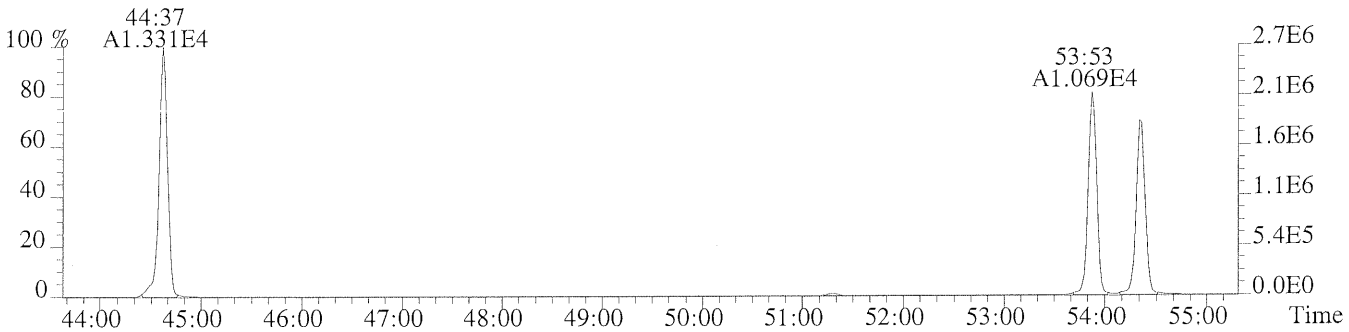
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,956.0,1.00%,F,T)



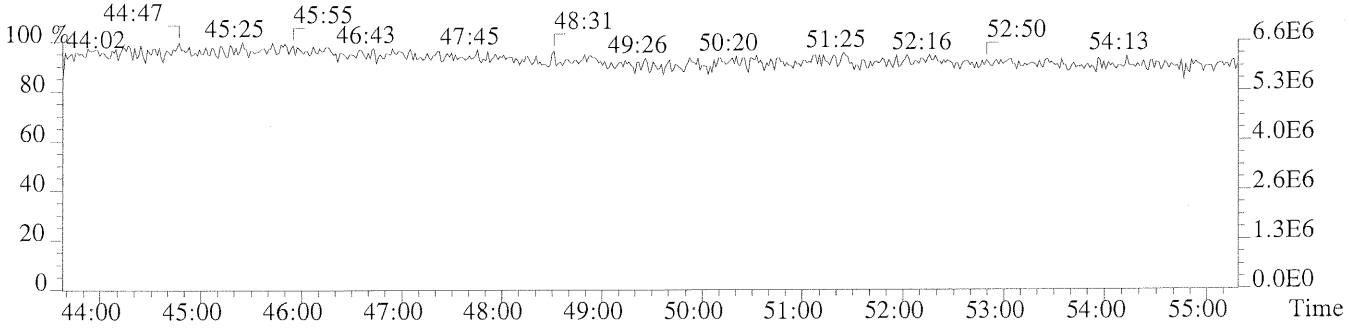
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



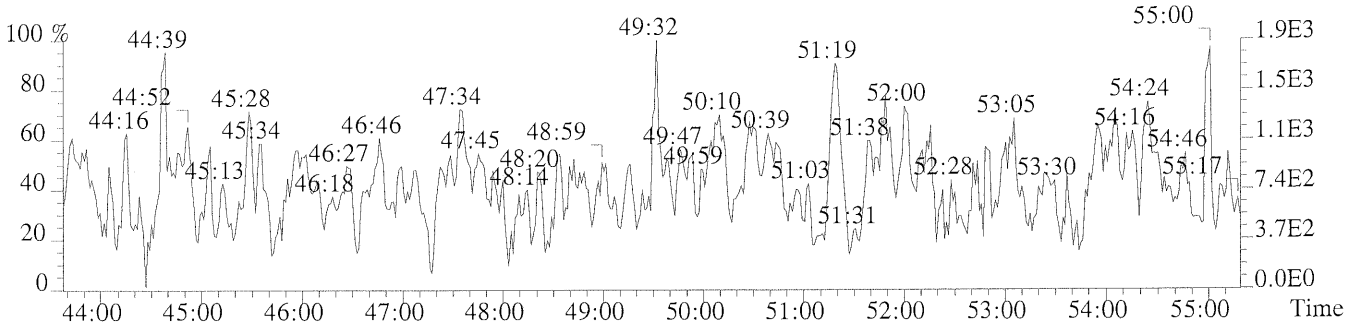
441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)



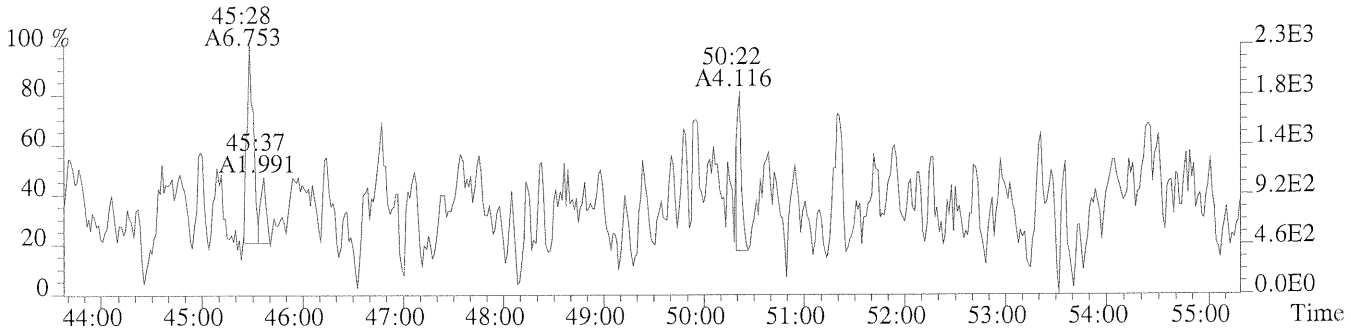
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



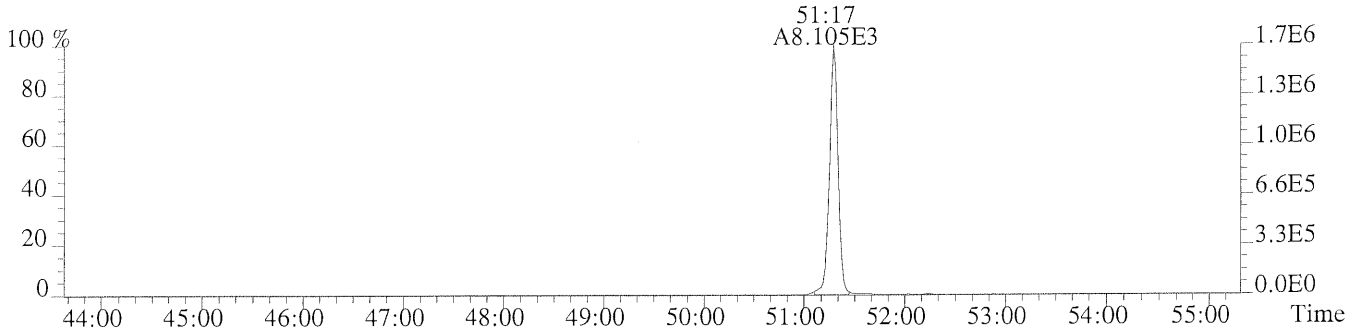
File:U142177 #1-579 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



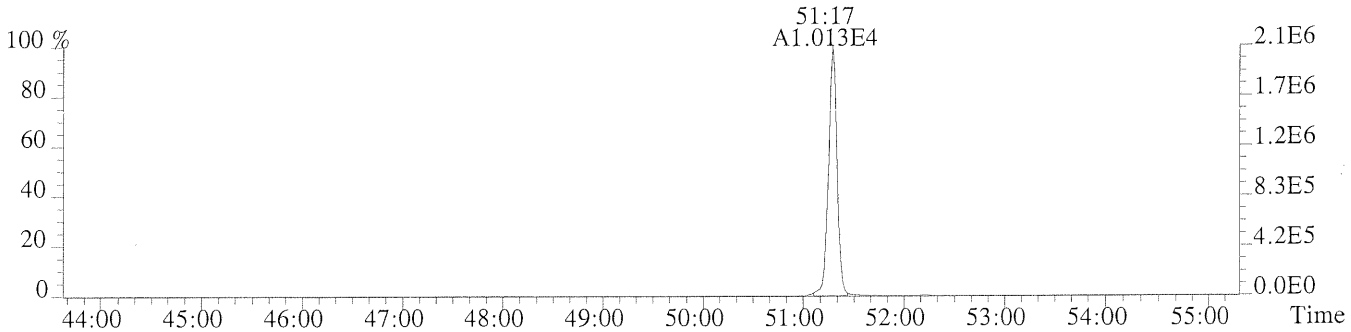
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1028.0,1.00%,F,T)



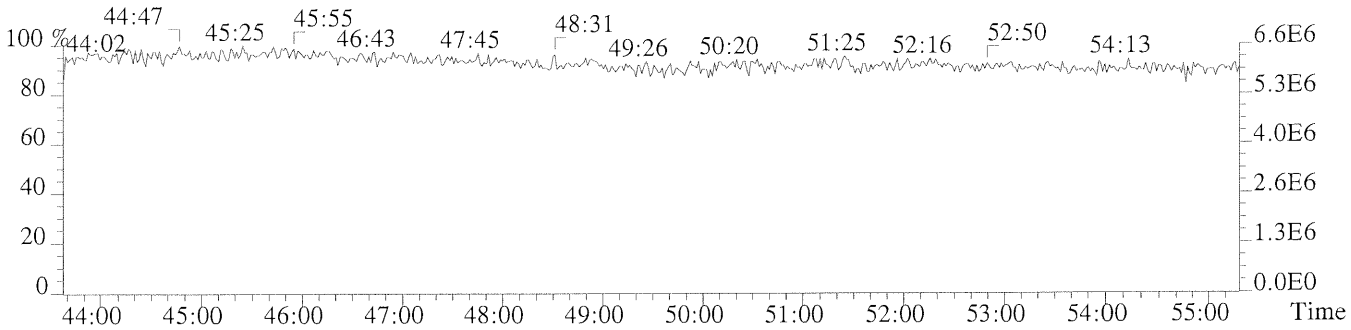
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,768.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,956.0,1.00%,F,T)

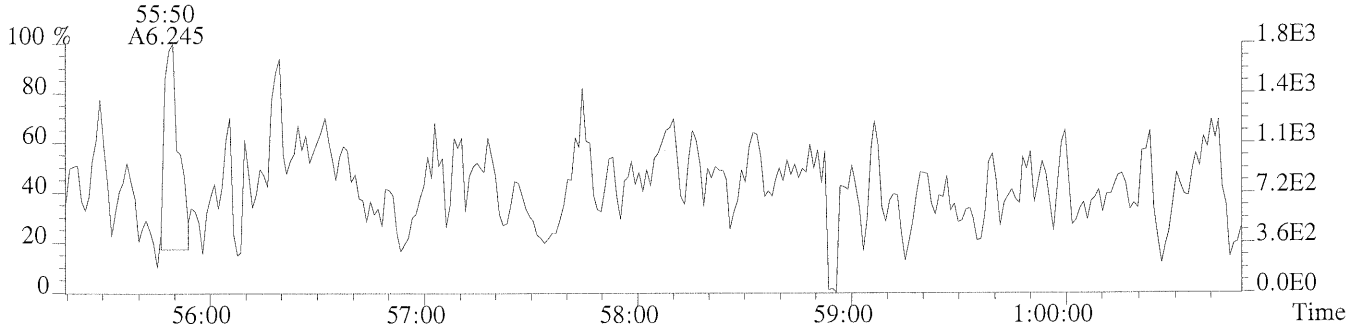


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

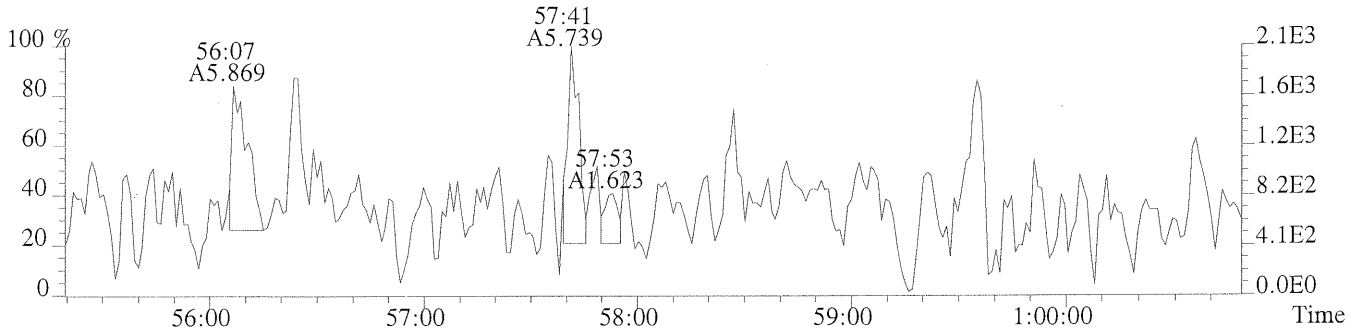


File:U142177 #1-310 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L

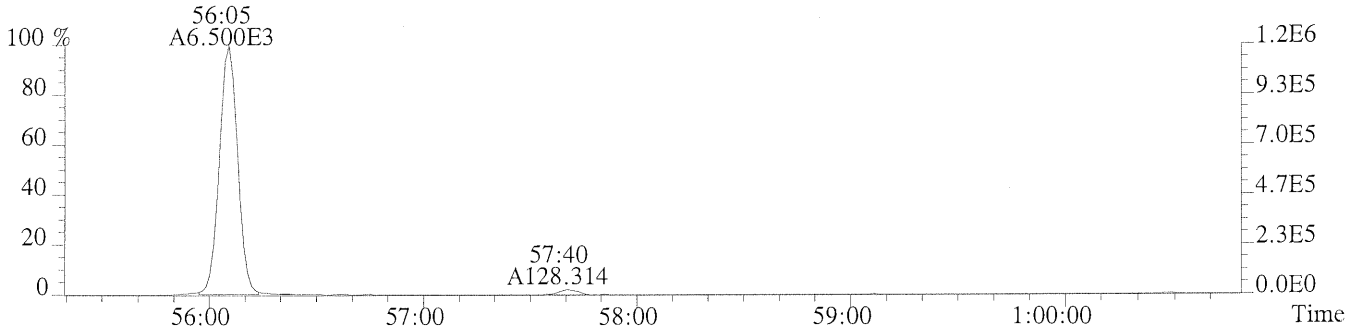
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,984.0,1.00%,F,T)



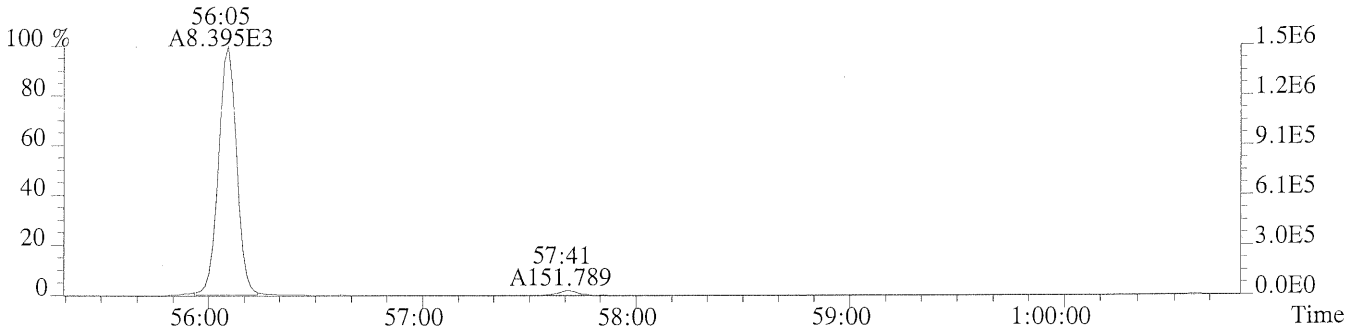
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



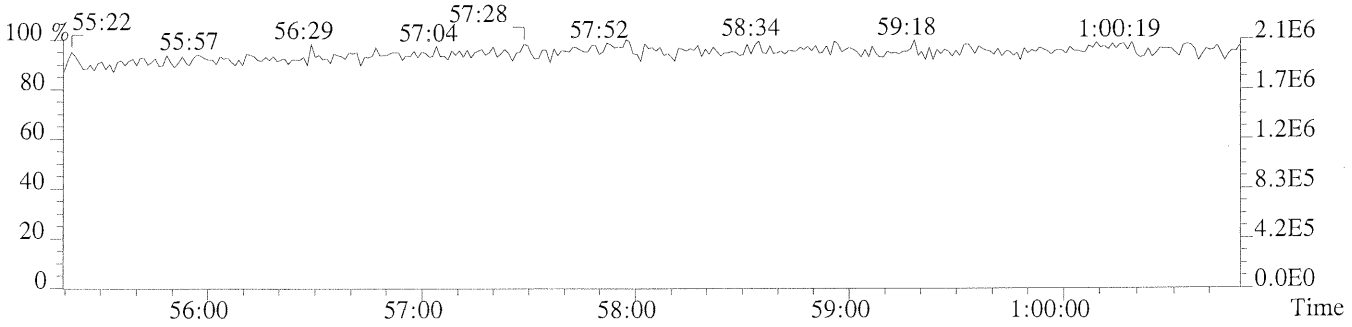
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



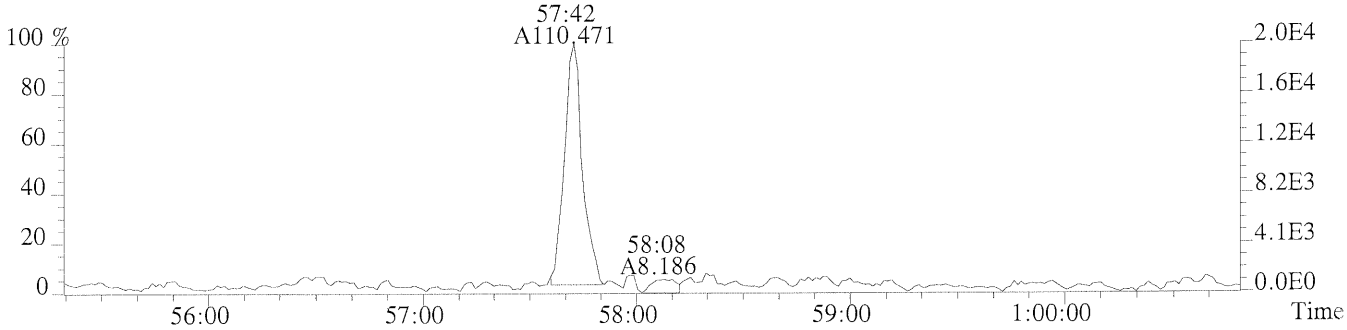
475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)



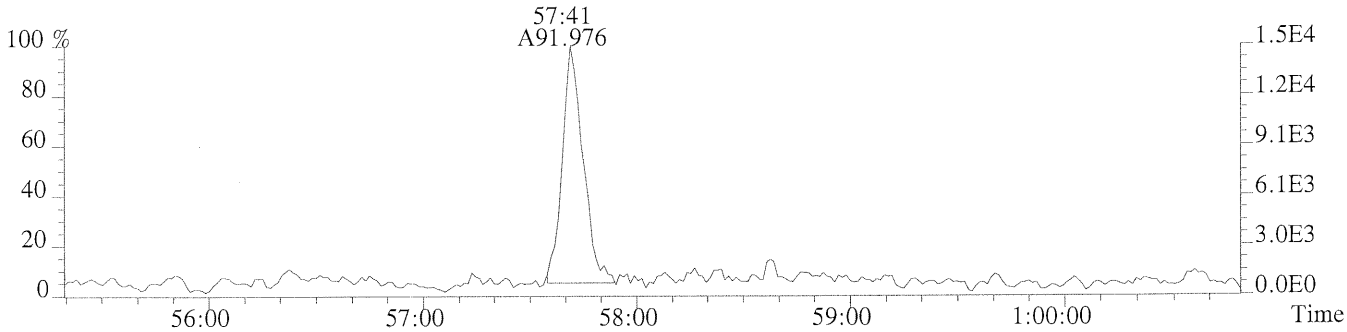
492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



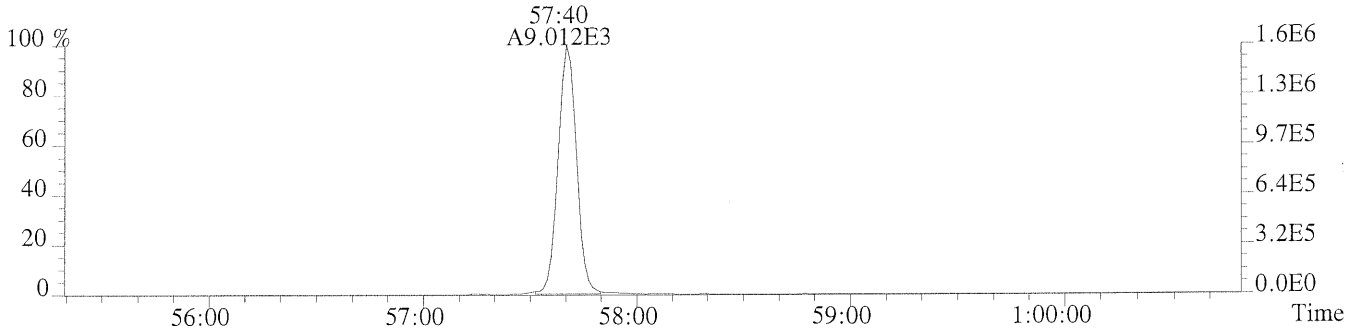
File:U142177 #1-310 Acq:26-NOV-2011 10:11:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-005 KC91-152L
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,756.0,1.00%,F,T)



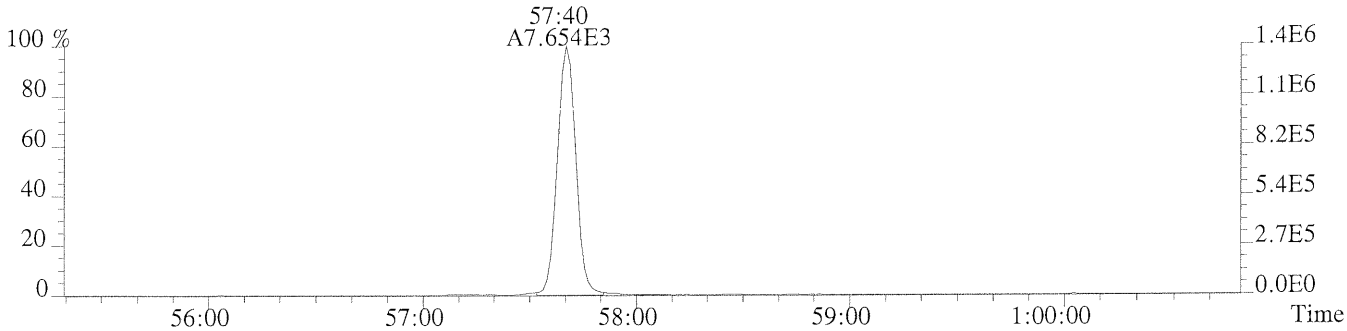
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1084.0,1.00%,F,T)



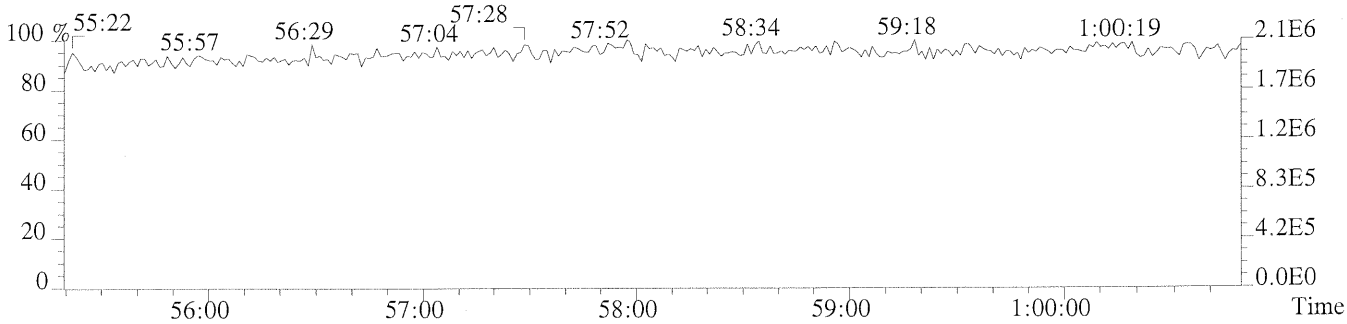
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1064.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,804.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
KC91-152U

Run #12 Filename U142160 Samp: 1 Inj: 1 Acquired: 22-NOV-11 14:14:43
Processed: 29-NOV-11 11:07:15 Sample ID: E1101076-006

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.071
2	1	PCB-2	NotFnd	*	*	*	n	n	1.004
3	1	PCB-3	NotFnd	*	*	*	n	n	1.036
4	1	PCB-4	NotFnd	*	*	*	n	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	1.968
6	2	PCB-9	NotFnd	*	*	*	n	n	1.083
7	2	PCB-7	NotFnd	*	*	*	n	n	1.027
8	2	PCB-6	NotFnd	*	*	*	n	n	1.162
9	2	PCB-5	NotFnd	*	*	*	n	n	0.915
10	2	PCB-8	NotFnd	*	*	*	n	n	1.243
11	2	PCB-14	NotFnd	*	*	*	n	n	1.131
12	2	PCB-11	21:18	5.789e+02	3.892e+02	1.49	y	y	1.034
13	2	PCB-12/13	NotFnd	*	*	*	n	n	0.988
14	2	PCB-15	NotFnd	*	*	*	n	n	0.977
15	2	PCB-19	NotFnd	*	*	*	n	n	1.001
16	2	PCB-18/30	21:00	5.194e+01	7.253e+01	0.72	n	y	1.386
17	2	PCB-17	NotFnd	*	*	*	n	y	1.075
18	2	PCB-27	NotFnd	*	*	*	n	n	1.675
19	2	PCB-24	NotFnd	*	*	*	n	n	1.490
20	2	PCB-16	NotFnd	*	*	*	n	y	0.872
21	2	PCB-32	NotFnd	*	*	*	n	y	1.748
22	3	PCB-34	NotFnd	*	*	*	n	n	1.403
23	3	PCB-23	NotFnd	*	*	*	n	n	1.296
24	3	PCB-26/29	NotFnd	*	*	*	n	n	1.354
25	3	PCB-25	NotFnd	*	*	*	n	y	1.418
26	3	PCB-31	24:42	5.680e+01	6.222e+01	0.91	y	y	1.399
27	3	PCB-20/28	24:59	8.094e+01	6.494e+01	1.25	n	y	1.298
28	3	PCB-21/33	25:14	3.349e+01	4.919e+01	0.68	n	y	1.361
29	3	PCB-22	NotFnd	*	*	*	n	y	1.202
30	3	PCB-36	NotFnd	*	*	*	n	n	1.412
31	3	PCB-39	NotFnd	*	*	*	n	n	1.306
32	3	PCB-38	NotFnd	*	*	*	n	n	1.302
33	3	PCB-35	NotFnd	*	*	*	n	n	1.275
34	3	PCB-37	NotFnd	*	*	*	n	n	1.089
35	2	PCB-54	NotFnd	*	*	*	n	n	1.002
36	3	PCB-50/53	NotFnd	*	*	*	n	n	1.161
37	3	PCB-45/51	NotFnd	*	*	*	n	y	1.130
38	3	PCB-46	NotFnd	*	*	*	n	n	0.939
39	3	PCB-52	26:49	8.559e+01	1.195e+02	0.72	y	y	1.276
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.211
[illegible]	3	PCB-49/69	NotFnd	*	*	*	n	y	1.368
[illegible]	3	PCB-48	NotFnd	*	*	*	n	n	1.138
[illegible]	3	PCB-44/47/65	27:54	1.209e+02	1.410e+02	0.86	y	y	1.252
[illegible]	3	PCB-59/62/75	NotFnd	*	*	*	n	n	1.513
45	3	PCB-42	NotFnd	*	*	*	n	n	1.099
46	3	PCB-40/41/71	NotFnd	*	*	*	n	y	1.136
47	3	PCB-64	29:04	2.577e+01	3.390e+01	0.76	y	y	1.573
48	3	PCB-72	NotFnd	*	*	*	n	n	1.602
49	3	PCB-68	NotFnd	*	*	*	n	n	1.574
50	3	PCB-57	NotFnd	*	*	*	n	n	1.462

51	3	PCB-58	NotFnd	*	*	*	n	n	1.396
52	3	PCB-67	NotFnd	*	*	*	n	n	1.472
53	3	PCB-63	NotFnd	*	*	*	n	n	1.467
54	3	PCB-61/70/74/76	31:41	8.975e+01	1.188e+02	0.76	y	y	1.431
55	3	PCB-66	32:00	3.707e+01	4.743e+01	0.78	y	y	1.475
56	3	PCB-55	NotFnd	*	*	*	n	n	1.369
57	4	PCB-56	NotFnd	*	*	*	n	n	0.889
58	4	PCB-60	NotFnd	*	*	*	n	y	1.113
59	4	PCB-80	NotFnd	*	*	*	n	n	1.216
60	4	PCB-79	NotFnd	*	*	*	n	n	1.191
61	4	PCB-78	NotFnd	*	*	*	n	n	1.069
62	4	PCB-81	NotFnd	*	*	*	n	n	1.034
63	4	PCB-77	NotFnd	*	*	*	n	n	0.995
64	3	PCB-104	NotFnd	*	*	*	n	n	1.030
65	3	PCB-96	NotFnd	*	*	*	n	n	1.715
66	3	PCB-103	NotFnd	*	*	*	n	n	1.443
67	3	PCB-94	NotFnd	*	*	*	n	n	1.156
68	3	PCB-95	30:46	7.346e+01	5.012e+01	1.47	y	y	1.328
69	3	PCB-93/100	NotFnd	*	*	*	n	n	1.213
70	3	PCB-98/102	NotFnd	*	*	*	n	n	1.236
71	3	PCB-88/91	NotFnd	*	*	*	n	n	1.254
72	3	PCB-84	NotFnd	*	*	*	n	y	1.046
73	3	PCB-89	NotFnd	*	*	*	n	n	1.240
74	4	PCB-121	NotFnd	*	*	*	n	n	1.497
75	4	PCB-92	NotFnd	*	*	*	n	n	1.115
	4	PCB-90/101/113	33:45	6.738e+01	4.768e+01	1.41	y	y	1.208
	4	PCB-83/99	NotFnd	*	*	*	n	n	1.030
	4	PCB-112	NotFnd	*	*	*	n	n	1.560
	4	PCB-86/87/97/109/119/125	NotFnd	*	*	*	n	y	1.206
80	4	PCB-117	NotFnd	*	*	*	n	n	1.070
81	4	PCB-85/116	NotFnd	*	*	*	n	n	1.352
82	4	PCB-110/115	35:44	5.504e+01	4.048e+01	1.36	y	y	1.384
83	4	PCB-82	NotFnd	*	*	*	n	n	0.922
84	4	PCB-111	NotFnd	*	*	*	n	n	1.325
85	4	PCB-120	NotFnd	*	*	*	n	n	1.425
86	5	PCB-108/124	NotFnd	*	*	*	n	n	1.016
87	5	PCB-107	NotFnd	*	*	*	n	n	1.028
88	5	PCB-123	NotFnd	*	*	*	n	n	1.018
89	5	PCB-106	NotFnd	*	*	*	n	n	1.046
90	5	PCB-118	38:45	2.681e+01	2.615e+01	1.03	n	y	0.997
91	5	PCB-122	NotFnd	*	*	*	n	n	0.934
92	5	PCB-114	NotFnd	*	*	*	n	n	0.991
93	5	PCB-105	NotFnd	*	*	*	n	n	1.011
94	5	PCB-127	NotFnd	*	*	*	n	n	0.908
95	5	PCB-126	NotFnd	*	*	*	n	n	0.960
96	4	PCB-155	NotFnd	*	*	*	n	n	0.988
97	4	PCB-152	NotFnd	*	*	*	n	n	2.314
98	4	PCB-150	NotFnd	*	*	*	n	n	2.233
99	4	PCB-136	NotFnd	*	*	*	n	n	2.253
100	4	PCB-145	NotFnd	*	*	*	n	n	2.133
101	4	PCB-148	NotFnd	*	*	*	n	n	1.715
102	4	PCB-135/151	NotFnd	*	*	*	n	n	1.644
103	4	PCB-154	NotFnd	*	*	*	n	n	1.860
104	4	PCB-144	NotFnd	*	*	*	n	n	1.697
105	5	PCB-147/149	37:35	3.033e+01	2.208e+01	1.37	y	y	1.341
106	5	PCB-134	NotFnd	*	*	*	n	n	1.083
107	5	PCB-143	NotFnd	*	*	*	n	n	1.340

103	5	PCB-139/140	NotFnd	*	*	*	n	y	1.341
104	5	PCB-131	NotFnd	*	*	*	n	n	1.189
105	5	PCB-142	NotFnd	*	*	*	n	n	1.185
106	5	PCB-132	NotFnd	*	*	*	n	n	1.149
107	5	PCB-133	NotFnd	*	*	*	n	n	1.260
108	5	PCB-165	NotFnd	*	*	*	n	n	1.502
109	5	PCB-146	NotFnd	*	*	*	n	n	1.383
110	5	PCB-161	NotFnd	*	*	*	n	n	1.737
111	5	PCB-153/168	40:38	2.822e+01	2.126e+01	1.33	y	y	1.519
112	5	PCB-141	NotFnd	*	*	*	n	n	1.233
113	5	PCB-130	NotFnd	*	*	*	n	n	1.187
114	5	PCB-137	NotFnd	*	*	*	n	n	1.541
115	5	PCB-164	NotFnd	*	*	*	n	n	1.541
116	5	PCB-129/138/163	NotFnd	*	*	*	n	y	1.238
117	5	PCB-160	NotFnd	*	*	*	n	n	1.515
118	5	PCB-158	NotFnd	*	*	*	n	n	1.614
119	5	PCB-128/166	NotFnd	*	*	*	n	n	1.281
120	6	PCB-159	NotFnd	*	*	*	n	n	0.910
121	6	PCB-162	NotFnd	*	*	*	n	n	0.452
122	6	PCB-167	NotFnd	*	*	*	n	n	1.008
123	6	PCB-156/157	NotFnd	*	*	*	n	n	1.006
124	6	PCB-169	NotFnd	*	*	*	n	n	0.992
125	5	PCB-188	NotFnd	*	*	*	n	n	0.990
126	5	PCB-179	NotFnd	*	*	*	n	n	1.556
127	5	PCB-184	NotFnd	*	*	*	n	n	1.593
128	5	PCB-176	NotFnd	*	*	*	n	n	1.527
129	5	PCB-186	NotFnd	*	*	*	n	n	1.425
130	5	PCB-178	NotFnd	*	*	*	n	n	1.087
131	5	PCB-175	NotFnd	*	*	*	n	n	1.138
132	5	PCB-187	NotFnd	*	*	*	n	n	1.158
133	5	PCB-182	NotFnd	*	*	*	n	n	1.120
134	6	PCB-183	NotFnd	*	*	*	n	n	0.770
135	6	PCB-185	NotFnd	*	*	*	n	n	0.612
136	6	PCB-174	NotFnd	*	*	*	n	n	0.619
137	6	PCB-177	NotFnd	*	*	*	n	n	0.581
138	6	PCB-181	NotFnd	*	*	*	n	n	0.614
139	6	PCB-171/173	NotFnd	*	*	*	n	n	0.575
140	6	PCB-172	NotFnd	*	*	*	n	n	0.566
141	6	PCB-192	NotFnd	*	*	*	n	n	0.689
142	6	PCB-180/193	NotFnd	*	*	*	n	n	0.666
143	6	PCB-191	NotFnd	*	*	*	n	n	0.759
144	6	PCB-170	NotFnd	*	*	*	n	n	0.524
145	6	PCB-190	NotFnd	*	*	*	n	n	0.699
146	6	PCB-189	NotFnd	*	*	*	n	n	0.863
147	6	PCB-202	NotFnd	*	*	*	n	n	0.863
148	6	PCB-201	NotFnd	*	*	*	n	n	1.375
149	6	PCB-204	NotFnd	*	*	*	n	n	1.323
150	6	PCB-197	NotFnd	*	*	*	n	n	1.282
151	6	PCB-200	NotFnd	*	*	*	n	n	1.320
152	6	PCB-198/199	NotFnd	*	*	*	n	n	0.857
153	6	PCB-196	NotFnd	*	*	*	n	n	0.867
154	6	PCB-203	NotFnd	*	*	*	n	n	0.915
155	6	PCB-195	NotFnd	*	*	*	n	n	0.774
156	6	PCB-194	NotFnd	*	*	*	n	n	0.763
157	6	PCB-205	NotFnd	*	*	*	n	n	0.889
158	6	PCB-208	NotFnd	*	*	*	n	n	0.880
159	6	PCB-207	NotFnd	*	*	*	n	n	1.335

Filename U142160 Acquired: 22-NOV-11 14:14:43

165	7	PCB-206	NotFnd	*	*	*	n	n	0.931
166	7	PCB-209	57:41	5.317e+01	5.170e+01	1.03	y	y	0.894
167	1	PCB-1L	13:20	2.130e+04	6.978e+03	3.05	y	n	1.220
168	1	PCB-3L	15:36	2.290e+04	7.248e+03	3.16	y	n	1.173
169	1	PCB-4L	15:51	1.414e+04	9.193e+03	1.54	y	n	0.803
170	2	PCB-15L	21:54	1.627e+04	1.057e+04	1.54	y	n	0.962
171	2	PCB-19L	19:03	1.019e+04	9.981e+03	1.02	y	n	0.636
172	3	PCB-37L	29:02	1.314e+04	1.258e+04	1.05	y	n	1.144
173	2	PCB-54L	22:11	1.143e+04	1.427e+04	0.80	y	n	1.140
174	4	PCB-81L	35:50	8.955e+03	1.182e+04	0.76	y	n	0.947
175	4	PCB-77L	36:24	9.408e+03	1.230e+04	0.76	y	n	0.949
176	3	PCB-104L	27:46	1.794e+04	1.155e+04	1.55	y	n	1.397
177	5	PCB-123L	38:23	1.178e+04	7.510e+03	1.57	y	n	1.029
178	5	PCB-118L	38:43	1.214e+04	7.756e+03	1.56	y	n	1.077
179	5	PCB-114L	39:15	1.158e+04	7.343e+03	1.58	y	n	1.075
180	5	PCB-105L	39:53	1.088e+04	7.026e+03	1.55	y	n	1.013
181	5	PCB-126L	43:00	9.486e+03	6.005e+03	1.58	y	n	0.898
182	4	PCB-155L	33:29	1.690e+04	1.348e+04	1.25	y	n	1.637
183	6	PCB-167L	44:52	7.187e+03	5.561e+03	1.29	y	n	0.882
184	6	PCB-156/157L	46:01	1.312e+04	1.058e+04	1.24	y	n	0.818
185	6	PCB-169L	49:16	5.322e+03	4.141e+03	1.29	y	n	0.716
186	5	PCB-188L	39:13	1.375e+04	1.329e+04	1.04	y	n	2.358
187	6	PCB-189L	51:46	5.313e+03	5.086e+03	1.04	y	n	1.307
188	6	PCB-202L	44:36	8.011e+03	8.775e+03	0.91	y	n	1.804
189	6	PCB-205L	54:19	4.173e+03	4.651e+03	0.90	y	n	1.363
190	6	PCB-208L	51:16	4.939e+03	6.313e+03	0.78	y	n	1.337
191	7	PCB-206L	56:04	2.942e+03	3.790e+03	0.78	y	n	0.998
192	7	PCB-209L	57:39	4.227e+03	3.665e+03	1.15	y	n	1.563
193	3	PCB-28L	24:58	1.640e+04	1.577e+04	1.04	y	n	1.387
194	4	PCB-111L	36:26	1.723e+04	1.115e+04	1.54	y	n	1.238
195	5	PCB-178L	42:17	9.209e+03	8.703e+03	1.06	y	n	0.953
196	2	PCB-9L	17:54	2.625e+04	1.674e+04	1.57	y	n	-
197	3	PCB-52L	26:49	1.798e+04	2.377e+04	0.76	y	n	-
198	4	PCB-101L	33:43	2.279e+04	1.469e+04	1.55	y	n	-
199	5	PCB-138L	41:50	1.594e+04	1.293e+04	1.23	y	n	-
200	6	PCB-194L	53:51	5.789e+03	6.389e+03	0.91	y	n	-

-- Sample Calculation--

$$\text{PCB-209} = \frac{(5.317e{+}01 + 5.170e{+}01) \times 10000\ \text{pg} \times 1}{(4.227e{+}03 + 3.665e{+}03) \times (1000\ \text{mL}) \times (1\text{L} / 1000\ \text{mL}) \times 0.8938} = 149.8\ \text{pg/L}$$

12/07/11

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sp166respb
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
KC91-152U

Run #12 Filename U142160#1 Samp: 1 Inj: 1 Acquired: 22-NOV-11 14:14:43

Processed: 29-NOV-11 11:07:15 LAB. ID: E1101076-006

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
	PCB-1	*	1.44e+03	*	*	1.16e+03	*
	PCB-2	*	1.44e+03	*	*	1.16e+03	*
	PCB-3	*	1.44e+03	*	*	1.16e+03	*
	PCB-4	*	1.54e+03	*	*	1.24e+04	*
	PCB-10	*	1.54e+03	*	*	1.24e+04	*
	PCB-9	*	8.56e+02	*	*	1.00e+04	*
7	PCB-7	*	8.56e+02	*	*	1.00e+04	*
8	PCB-6	*	8.56e+02	*	*	1.00e+04	*
9	PCB-5	*	8.56e+02	*	*	1.00e+04	*
10	PCB-8	*	8.56e+02	*	*	1.00e+04	*
11	PCB-14	*	8.56e+02	*	*	1.00e+04	*
12	PCB-11	1.05e+05	8.56e+02	1.2e+02	6.96e+04	1.00e+04	6.9e+00
13	PCB-12/13	*	8.56e+02	*	*	1.00e+04	*
14	PCB-15	*	8.56e+02	*	*	1.00e+04	*
15	PCB-19	*	9.52e+02	*	*	1.01e+03	*
16	PCB-18/30	9.62e+03	9.52e+02	1.0e+01	1.45e+04	1.01e+03	1.4e+01
17	PCB-17	*	9.52e+02	*	*	1.01e+03	*
18	PCB-27	*	9.52e+02	*	*	1.01e+03	*
19	PCB-24	*	9.52e+02	*	*	1.01e+03	*
20	PCB-16	*	9.52e+02	*	*	1.01e+03	*
21	PCB-32	*	9.52e+02	*	*	1.01e+03	*
22	PCB-34	*	1.56e+03	*	*	1.01e+03	*
23	PCB-23	*	1.56e+03	*	*	1.01e+03	*
24	PCB-26/29	*	1.56e+03	*	*	1.01e+03	*
25	PCB-25	*	1.56e+03	*	*	1.01e+03	*
26	PCB-31	8.64e+03	1.56e+03	5.5e+00	1.15e+04	1.01e+03	1.1e+01
27	PCB-20/28	1.45e+04	1.56e+03	9.3e+00	1.03e+04	1.01e+03	1.0e+01
28	PCB-21/33	6.88e+03	1.56e+03	4.4e+00	7.42e+03	1.01e+03	7.3e+00
29	PCB-22	*	1.56e+03	*	*	1.01e+03	*
30	PCB-36	*	1.56e+03	*	*	1.01e+03	*
31	PCB-39	*	1.56e+03	*	*	1.01e+03	*
32	PCB-38	*	1.56e+03	*	*	1.01e+03	*
33	PCB-35	*	1.56e+03	*	*	1.01e+03	*
34	PCB-37	*	1.56e+03	*	*	1.01e+03	*
	PCB-54	*	7.00e+02	*	*	8.20e+02	*
	PCB-50/53	*	1.29e+03	*	*	9.04e+02	*
	PCB-45/51	*	1.29e+03	*	*	9.04e+02	*
	PCB-46	*	1.29e+03	*	*	9.04e+02	*
39	PCB-52	1.25e+04	1.29e+03	9.7e+00	1.84e+04	9.04e+02	2.0e+01
40	PCB-43/73	*	1.29e+03	*	*	9.04e+02	*
	PCB-49/69	*	1.29e+03	*	*	9.04e+02	*
42	PCB-48	*	1.29e+03	*	*	9.04e+02	*
43	PCB-44/47/65	1.33e+04	1.29e+03	1.0e+01	1.84e+04	9.04e+02	2.0e+01
44	PCB-59/62/75	*	1.29e+03	*	*	9.04e+02	*
45	PCB-42	*	1.29e+03	*	*	9.04e+02	*
46	PCB-40/41/71	*	1.29e+03	*	*	9.04e+02	*
47	PCB-64	4.62e+03	1.29e+03	3.6e+00	6.57e+03	9.04e+02	7.3e+00

48	PCB-72	*	1.29e+03	*	*	9.04e+02	*
49	PCB-68	*	1.29e+03	*	*	9.04e+02	*
50	PCB-57	*	1.29e+03	*	*	9.04e+02	*
51	PCB-58	*	1.29e+03	*	*	9.04e+02	*
52	PCB-67	*	1.29e+03	*	*	9.04e+02	*
53	PCB-63	*	1.29e+03	*	*	9.04e+02	*
54	PCB-61/70/74/76	1.04e+04	1.29e+03	8.1e+00	1.34e+04	9.04e+02	1.5e+01
55	PCB-66	8.28e+03	1.29e+03	6.4e+00	6.85e+03	9.04e+02	7.6e+00
56	PCB-55	*	1.29e+03	*	*	9.04e+02	*
57	PCB-56	*	7.36e+02	*	*	6.36e+02	*
58	PCB-60	*	7.36e+02	*	*	6.36e+02	*
59	PCB-80	*	7.36e+02	*	*	6.36e+02	*
60	PCB-79	*	7.36e+02	*	*	6.36e+02	*
61	PCB-78	*	7.36e+02	*	*	6.36e+02	*
62	PCB-81	*	7.36e+02	*	*	6.36e+02	*
63	PCB-77	*	7.36e+02	*	*	6.36e+02	*
64	PCB-104	*	7.76e+02	*	*	7.12e+02	*
65	PCB-96	*	7.76e+02	*	*	7.12e+02	*
66	PCB-103	*	7.76e+02	*	*	7.12e+02	*
67	PCB-94	*	7.76e+02	*	*	7.12e+02	*
68	PCB-95	1.35e+04	7.76e+02	1.7e+01	7.09e+03	7.12e+02	1.0e+01
69	PCB-93/100	*	7.76e+02	*	*	7.12e+02	*
70	PCB-98/102	*	7.76e+02	*	*	7.12e+02	*
71	PCB-88/91	*	7.76e+02	*	*	7.12e+02	*
72	PCB-84	*	7.76e+02	*	*	7.12e+02	*
73	PCB-89	*	7.76e+02	*	*	7.12e+02	*
74	PCB-121	*	1.16e+03	*	*	9.68e+02	*
75	PCB-92	*	1.16e+03	*	*	9.68e+02	*
76	PCB-90/101/113	1.23e+04	1.16e+03	1.1e+01	8.56e+03	9.68e+02	8.8e+00
77	PCB-83/99	*	1.16e+03	*	*	9.68e+02	*
78	PCB-112	*	1.16e+03	*	*	9.68e+02	*
79	CB-86/87/97/109/119/125	*	1.16e+03	*	*	9.68e+02	*
80	PCB-117	*	1.16e+03	*	*	9.68e+02	*
81	PCB-85/116	*	1.16e+03	*	*	9.68e+02	*
82	PCB-110/115	8.87e+03	1.16e+03	7.6e+00	7.29e+03	9.68e+02	7.5e+00
83	PCB-82	*	1.16e+03	*	*	9.68e+02	*
84	PCB-111	*	1.16e+03	*	*	9.68e+02	*
85	PCB-120	*	1.16e+03	*	*	9.68e+02	*
86	PCB-108/124	*	8.00e+02	*	*	8.96e+02	*
87	PCB-107	*	8.00e+02	*	*	8.96e+02	*
88	PCB-123	*	8.00e+02	*	*	8.96e+02	*
89	PCB-106	*	8.00e+02	*	*	8.96e+02	*
90	PCB-118	4.86e+03	8.00e+02	6.1e+00	4.21e+03	8.96e+02	4.7e+00
91	PCB-122	*	8.00e+02	*	*	8.96e+02	*
92	PCB-114	*	8.00e+02	*	*	8.96e+02	*
93	PCB-105	*	8.00e+02	*	*	8.96e+02	*
94	PCB-127	*	8.00e+02	*	*	8.96e+02	*
95	PCB-126	*	8.00e+02	*	*	8.96e+02	*
96	PCB-155	*	8.88e+02	*	*	7.96e+02	*
97	PCB-152	*	8.88e+02	*	*	7.96e+02	*
98	PCB-150	*	8.88e+02	*	*	7.96e+02	*
99	PCB-136	*	8.88e+02	*	*	7.96e+02	*
100	PCB-145	*	8.88e+02	*	*	7.96e+02	*
101	PCB-148	*	8.88e+02	*	*	7.96e+02	*
102	PCB-135/151	*	8.88e+02	*	*	7.96e+02	*
103	PCB-154	*	8.88e+02	*	*	7.96e+02	*
104	PCB-144	*	8.88e+02	*	*	7.96e+02	*

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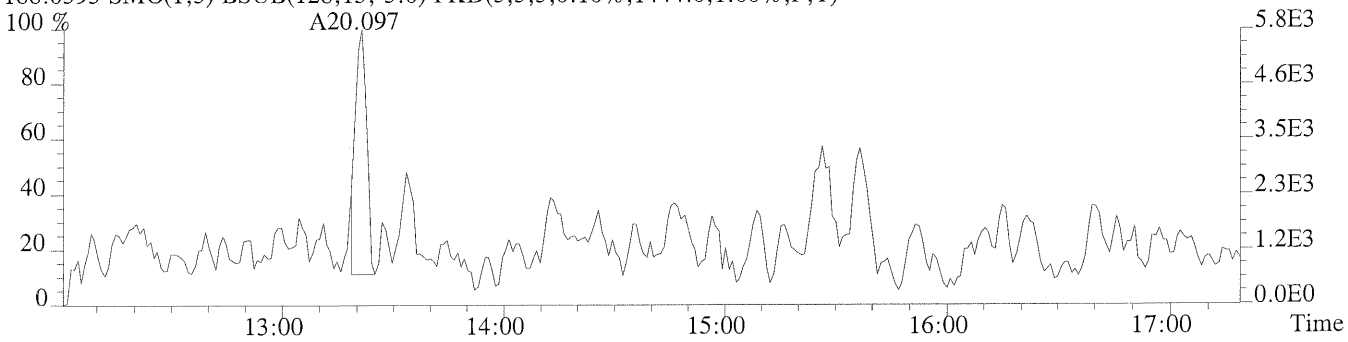
105	PCB-147/149	5.22e+03	4.92e+02	1.1e+01	5.31e+03	7.92e+02	6.7e+00
106	PCB-134	*	4.92e+02	*	*	7.92e+02	*
107	PCB-143	*	4.92e+02	*	*	7.92e+02	*
108	PCB-139/140	*	4.92e+02	*	*	7.92e+02	*
109	PCB-131	*	4.92e+02	*	*	7.92e+02	*
110	PCB-142	*	4.92e+02	*	*	7.92e+02	*
111	PCB-132	*	4.92e+02	*	*	7.92e+02	*
112	PCB-133	*	4.92e+02	*	*	7.92e+02	*
113	PCB-165	*	4.92e+02	*	*	7.92e+02	*
114	PCB-146	*	4.92e+02	*	*	7.92e+02	*
115	PCB-161	*	4.92e+02	*	*	7.92e+02	*
116	PCB-153/168	4.74e+03	4.92e+02	9.6e+00	4.34e+03	7.92e+02	5.5e+00
117	PCB-141	*	4.92e+02	*	*	7.92e+02	*
118	PCB-130	*	4.92e+02	*	*	7.92e+02	*
119	PCB-137	*	4.92e+02	*	*	7.92e+02	*
120	PCB-164	*	4.92e+02	*	*	7.92e+02	*
121	PCB-129/138/163	*	4.92e+02	*	*	7.92e+02	*
122	PCB-160	*	4.92e+02	*	*	7.92e+02	*
123	PCB-158	*	4.92e+02	*	*	7.92e+02	*
124	PCB-128/166	*	4.92e+02	*	*	7.92e+02	*
125	PCB-159	*	8.72e+02	*	*	8.32e+02	*
126	PCB-162	*	8.72e+02	*	*	8.32e+02	*
127	PCB-167	*	8.72e+02	*	*	8.32e+02	*
128	PCB-156/157	*	8.72e+02	*	*	8.32e+02	*
129	PCB-169	*	8.72e+02	*	*	8.32e+02	*
130	PCB-188	*	1.03e+03	*	*	7.52e+02	*
131	PCB-179	*	1.03e+03	*	*	7.52e+02	*
132	PCB-184	*	1.03e+03	*	*	7.52e+02	*
133	PCB-176	*	1.03e+03	*	*	7.52e+02	*
134	PCB-186	*	1.03e+03	*	*	7.52e+02	*
135	PCB-178	*	1.03e+03	*	*	7.52e+02	*
136	PCB-175	*	1.03e+03	*	*	7.52e+02	*
137	PCB-187	*	1.03e+03	*	*	7.52e+02	*
138	PCB-182	*	1.03e+03	*	*	7.52e+02	*
139	PCB-183	*	1.00e+03	*	*	6.20e+02	*
140	PCB-185	*	1.00e+03	*	*	6.20e+02	*
141	PCB-174	*	1.00e+03	*	*	6.20e+02	*
142	PCB-177	*	1.00e+03	*	*	6.20e+02	*
143	PCB-181	*	1.00e+03	*	*	6.20e+02	*
144	PCB-171/173	*	1.00e+03	*	*	6.20e+02	*
145	PCB-172	*	1.00e+03	*	*	6.20e+02	*
146	PCB-192	*	1.00e+03	*	*	6.20e+02	*
147	PCB-180/193	*	1.00e+03	*	*	6.20e+02	*
148	PCB-191	*	1.00e+03	*	*	6.20e+02	*
149	PCB-170	*	1.00e+03	*	*	6.20e+02	*
150	PCB-190	*	1.00e+03	*	*	6.20e+02	*
151	PCB-189	*	1.00e+03	*	*	6.20e+02	*
152	PCB-202	*	5.28e+02	*	*	8.12e+02	*
153	PCB-201	*	5.28e+02	*	*	8.12e+02	*
154	PCB-204	*	5.28e+02	*	*	8.12e+02	*
155	PCB-197	*	5.28e+02	*	*	8.12e+02	*
156	PCB-200	*	5.28e+02	*	*	8.12e+02	*
157	PCB-198/199	*	5.28e+02	*	*	8.12e+02	*
158	PCB-196	*	5.28e+02	*	*	8.12e+02	*
159	PCB-203	*	5.28e+02	*	*	8.12e+02	*
160	PCB-195	*	5.28e+02	*	*	8.12e+02	*
161	PCB-194	*	5.28e+02	*	*	8.12e+02	*
162	PCB-205	*	5.28e+02	*	*	8.12e+02	*

Run #12 Filename U142160#1 Samp: 1 Acquired: 22-NOV-11 14:14:43

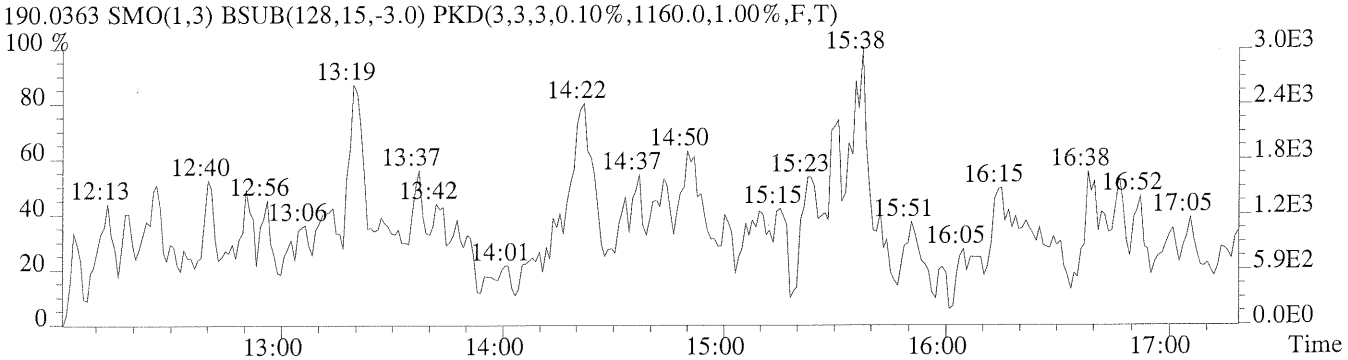
163	PCB-208	*	9.96e+02	*	*	8.60e+02	*
164	PCB-207	*	9.96e+02	*	*	8.60e+02	*
165	PCB-206	*	1.08e+03	*	*	1.20e+03	*
166	PCB-209	9.90e+03	1.15e+03	8.6e+00	9.82e+03	1.09e+03	9.0e+00
167	PCB-1L	5.52e+06	1.11e+03	5.0e+03	1.81e+06	1.92e+04	9.4e+01
168	PCB-3L	4.48e+06	1.11e+03	4.0e+03	1.46e+06	1.92e+04	7.6e+01
169	PCB-4L	3.04e+06	1.78e+03	1.7e+03	1.95e+06	1.23e+03	1.6e+03
170	PCB-15L	2.66e+06	2.26e+03	1.2e+03	1.75e+06	2.16e+03	8.1e+02
171	PCB-19L	2.11e+06	1.24e+04	1.7e+02	2.06e+06	7.73e+03	2.7e+02
172	PCB-37L	2.01e+06	6.22e+03	3.2e+02	1.92e+06	6.37e+03	3.0e+02
173	PCB-54L	2.24e+06	1.92e+03	1.2e+03	2.75e+06	8.12e+02	3.4e+03
174	PCB-81L	1.44e+06	2.03e+03	7.1e+02	1.81e+06	8.72e+02	2.1e+03
175	PCB-77L	1.46e+06	2.03e+03	7.2e+02	1.80e+06	8.72e+02	2.1e+03
176	PCB-104L	3.00e+06	7.36e+02	4.1e+03	1.95e+06	8.68e+02	2.2e+03
177	PCB-123L	2.02e+06	4.32e+03	4.7e+02	1.31e+06	2.36e+03	5.5e+02
178	PCB-118L	1.98e+06	4.32e+03	4.6e+02	1.28e+06	2.36e+03	5.4e+02
179	PCB-114L	1.92e+06	4.32e+03	4.4e+02	1.21e+06	2.36e+03	5.1e+02
180	PCB-105L	1.76e+06	4.32e+03	4.1e+02	1.16e+06	2.36e+03	4.9e+02
181	PCB-126L	1.42e+06	4.32e+03	3.3e+02	9.16e+05	2.36e+03	3.9e+02
182	PCB-155L	2.91e+06	1.14e+03	2.5e+03	2.33e+06	8.32e+02	2.8e+03
183	PCB-167L	1.47e+06	7.12e+02	2.1e+03	1.16e+06	4.96e+03	2.3e+02
184	PCB-156/157L	2.09e+06	7.12e+02	2.9e+03	1.70e+06	4.96e+03	3.4e+02
185	PCB-169L	9.90e+05	7.12e+02	1.4e+03	7.96e+05	4.96e+03	1.6e+02
186	PCB-188L	2.40e+06	1.09e+03	2.2e+03	2.28e+06	7.04e+02	3.2e+03
187	PCB-189L	1.05e+06	9.44e+02	1.1e+03	1.03e+06	9.80e+02	1.1e+03
188	PCB-202L	1.66e+06	1.16e+03	1.4e+03	1.84e+06	8.28e+02	2.2e+03
189	PCB-205L	8.30e+05	1.16e+03	7.1e+02	9.37e+05	8.28e+02	1.1e+03
190	PCB-208L	1.01e+06	8.08e+02	1.3e+03	1.31e+06	1.28e+03	1.0e+03
191	PCB-206L	5.39e+05	8.40e+02	6.4e+02	6.89e+05	9.48e+02	7.3e+02
192	PCB-209L	7.48e+05	6.44e+02	1.2e+03	6.60e+05	9.44e+02	7.0e+02
193	PCB-28L	2.61e+06	6.22e+03	4.2e+02	2.54e+06	6.37e+03	4.0e+02
194	PCB-111L	3.00e+06	1.94e+03	1.5e+03	1.92e+06	1.00e+03	1.9e+03
195	PCB-178L	1.60e+06	1.09e+03	1.5e+03	1.51e+06	7.04e+02	2.1e+03
196	PCB-9L	5.50e+06	2.26e+03	2.4e+03	3.47e+06	2.16e+03	1.6e+03
197	PCB-52L	3.11e+06	1.13e+03	2.7e+03	4.03e+06	1.12e+03	3.6e+03
198	PCB-101L	3.96e+06	1.94e+03	2.0e+03	2.54e+06	1.00e+03	2.5e+03
199	PCB-138L	2.73e+06	7.52e+02	3.6e+03	2.22e+06	8.68e+02	2.6e+03
200	PCB-194L	1.19e+06	1.16e+03	1.0e+03	1.31e+06	8.28e+02	1.6e+03

File:U142160 #1-341 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

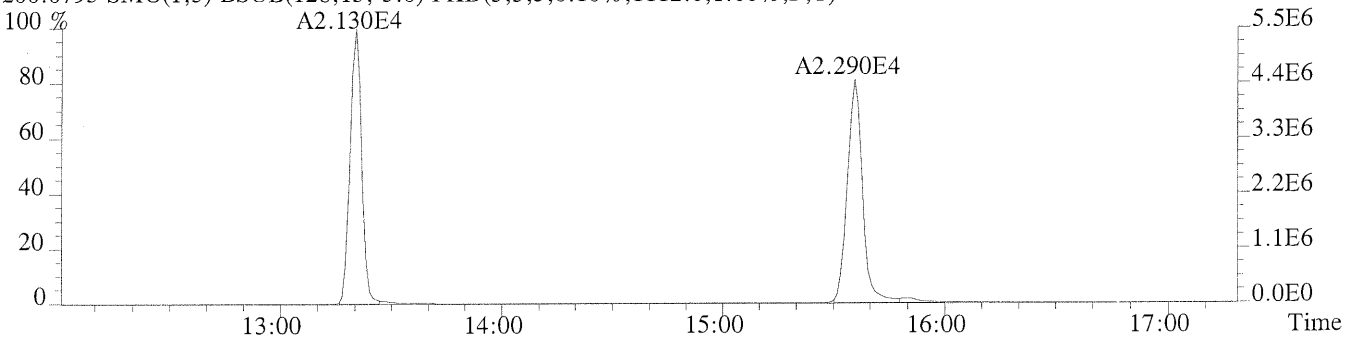
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1444.0,1.00%,F,T)



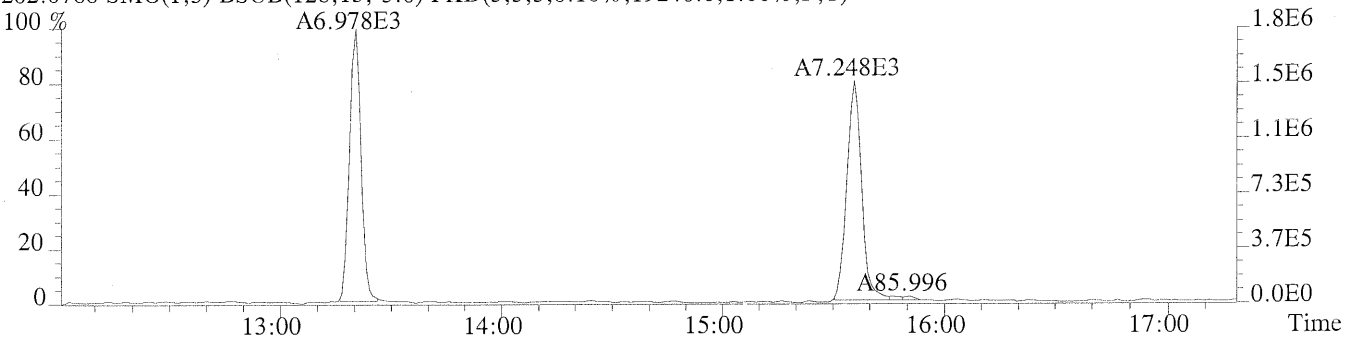
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1160.0,1.00%,F,T)



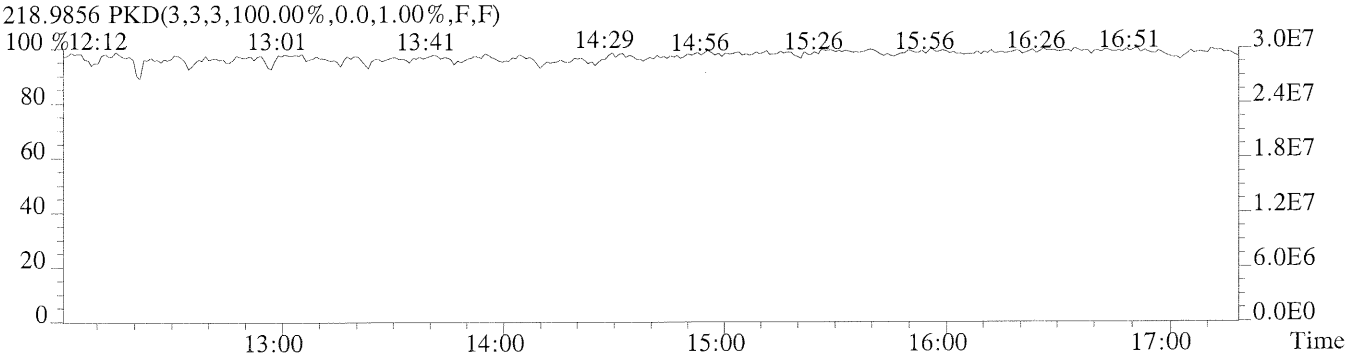
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1112.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,19240.0,1.00%,F,T)

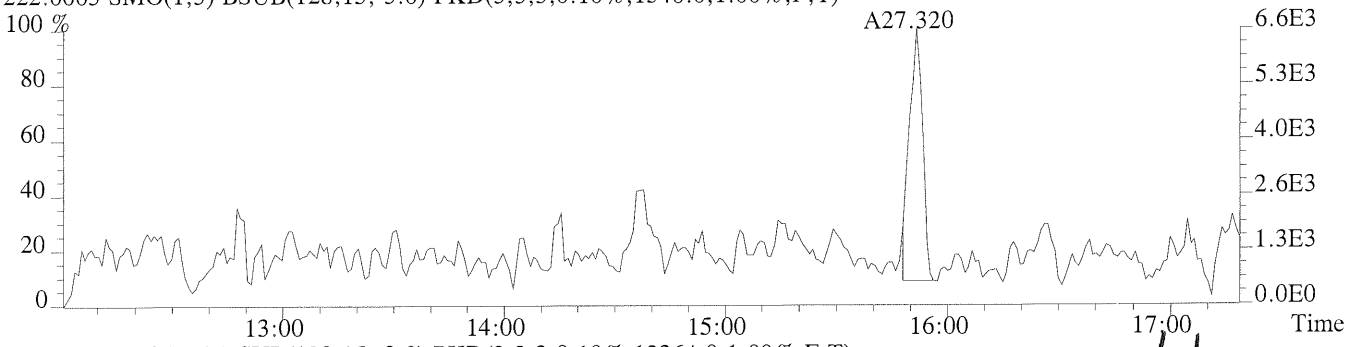


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

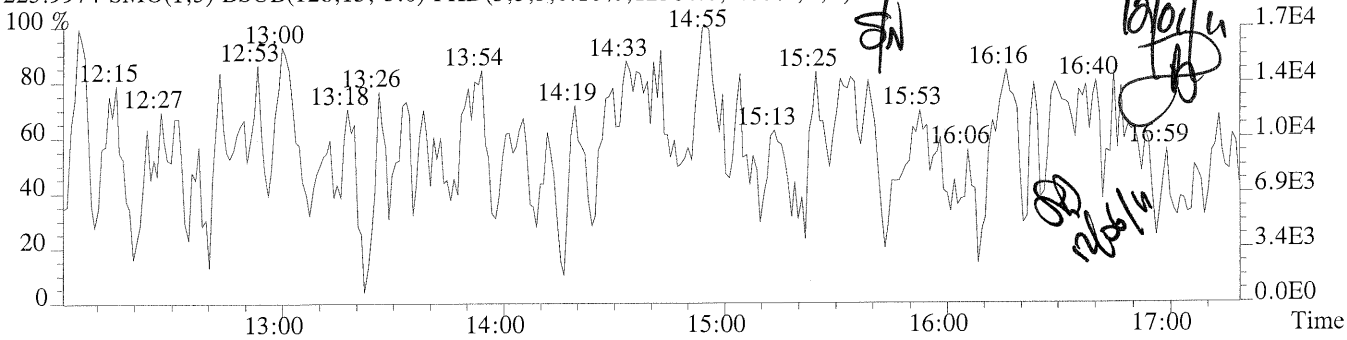


File:U142160 #1-341 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

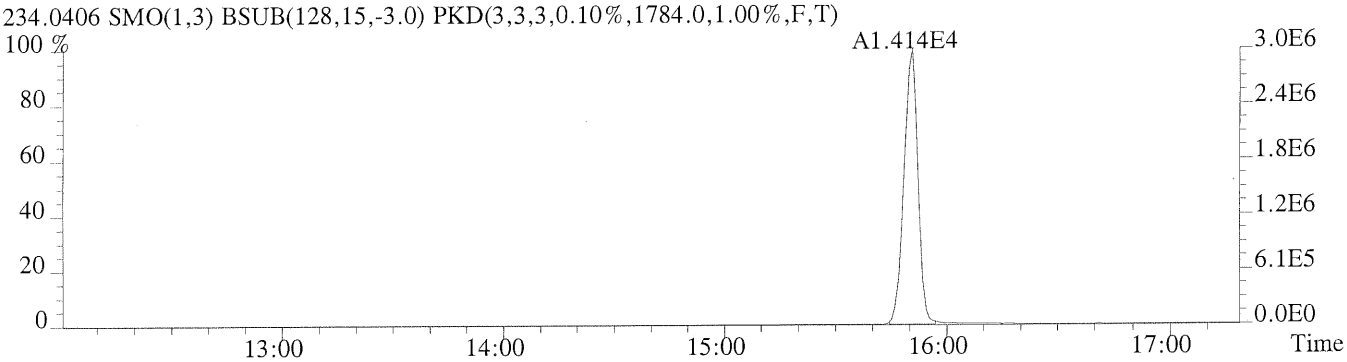
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1540.0,1.00%,F,T)



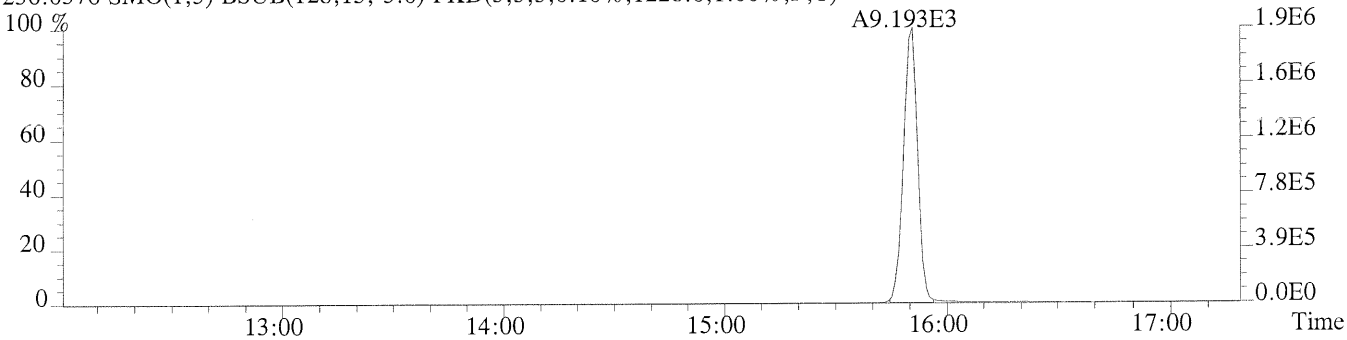
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12364.0,1.00%,F,T)



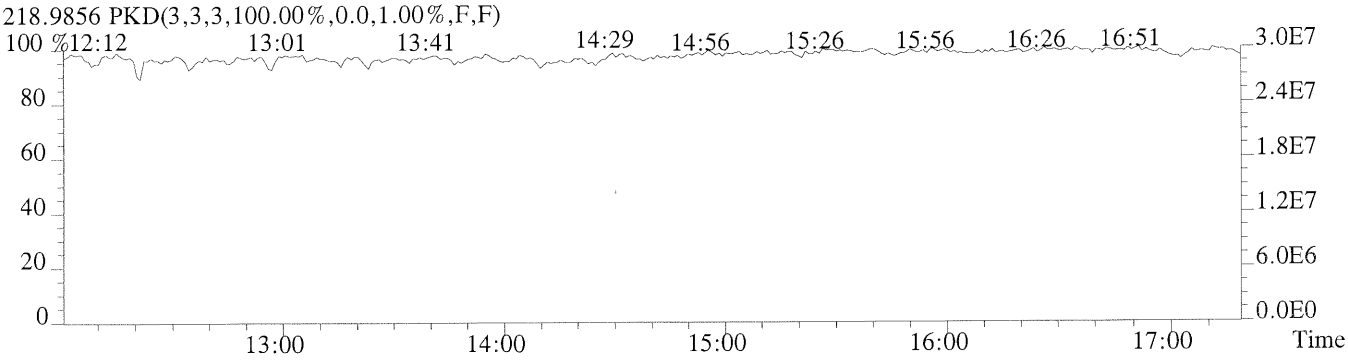
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1784.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)

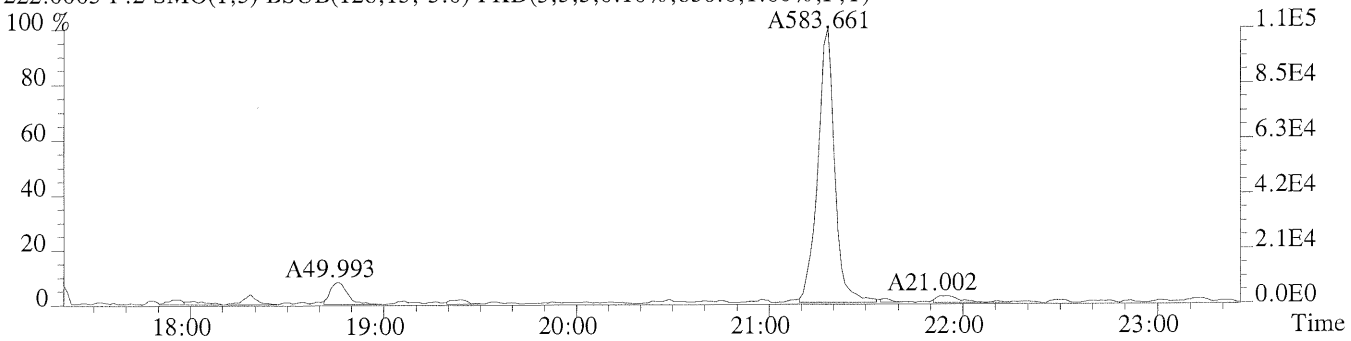


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

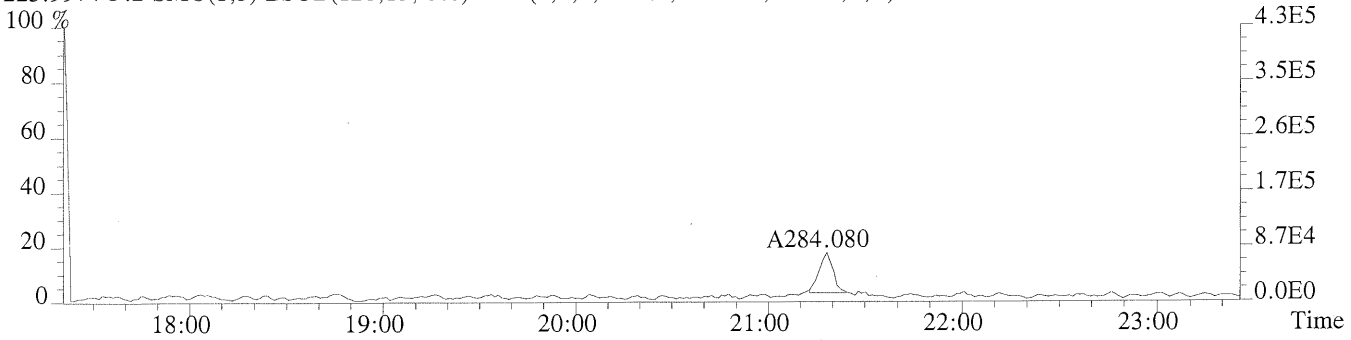


File:U142160 #1-336 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

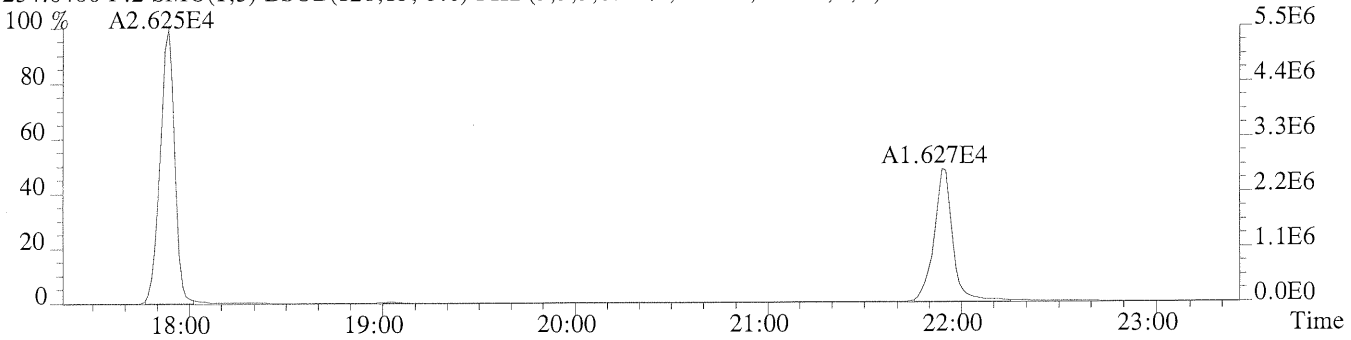
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,856.0,1.00%,F,T)



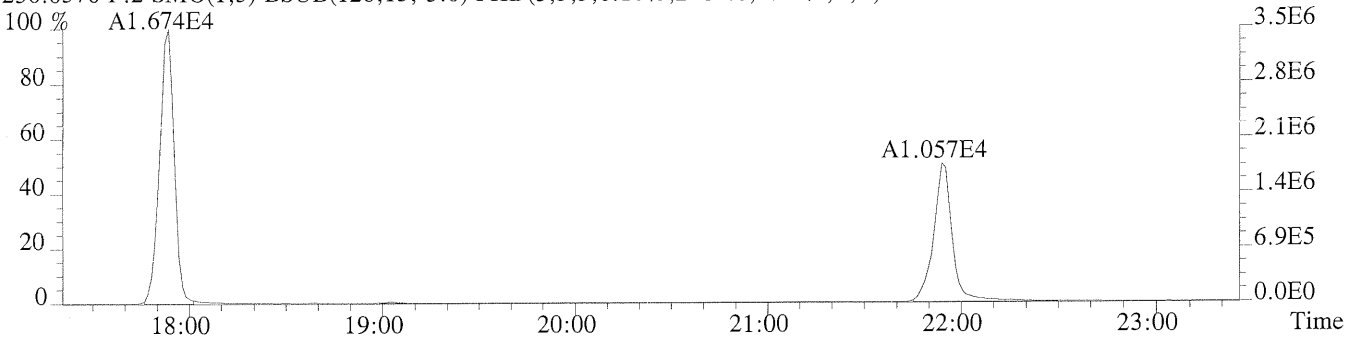
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10032.0,1.00%,F,T)



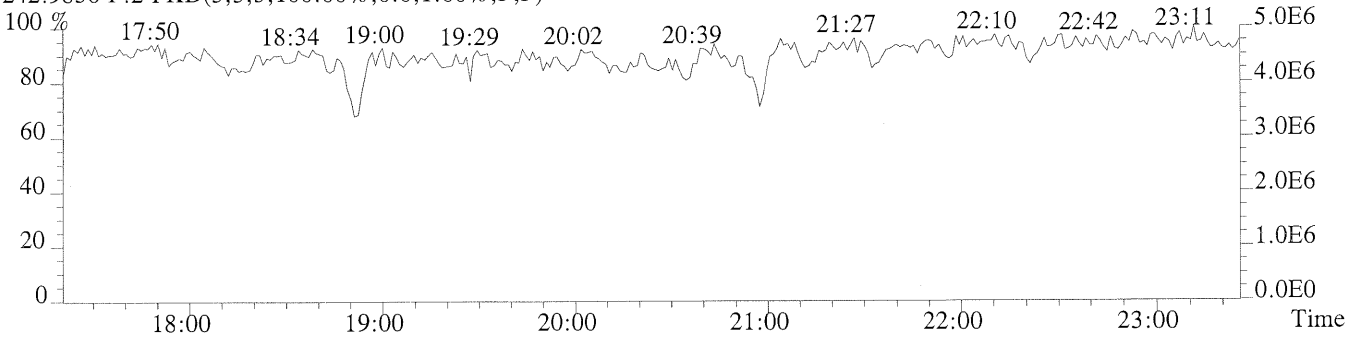
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2260.0,1.00%,F,T)



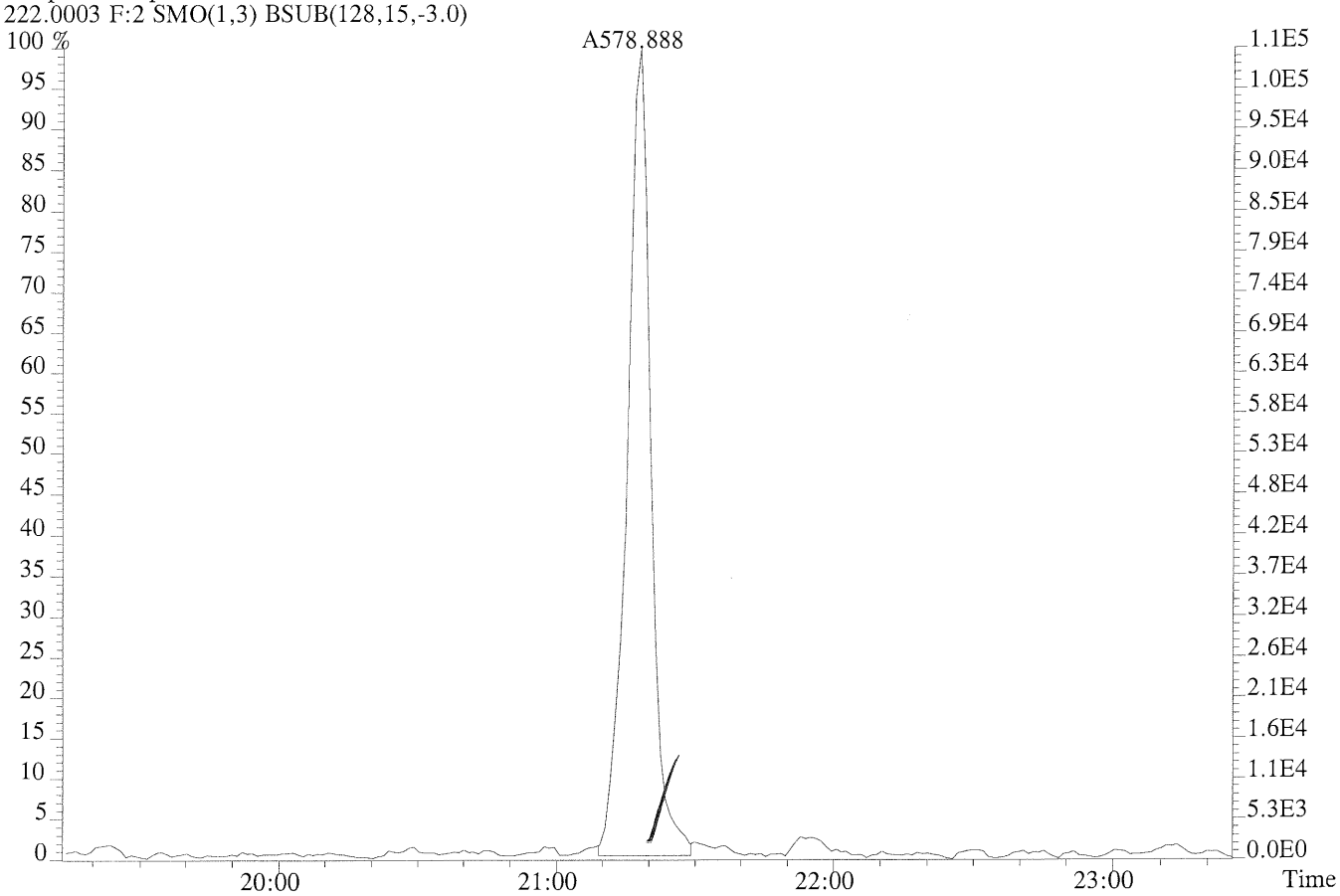
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2164.0,1.00%,F,T)



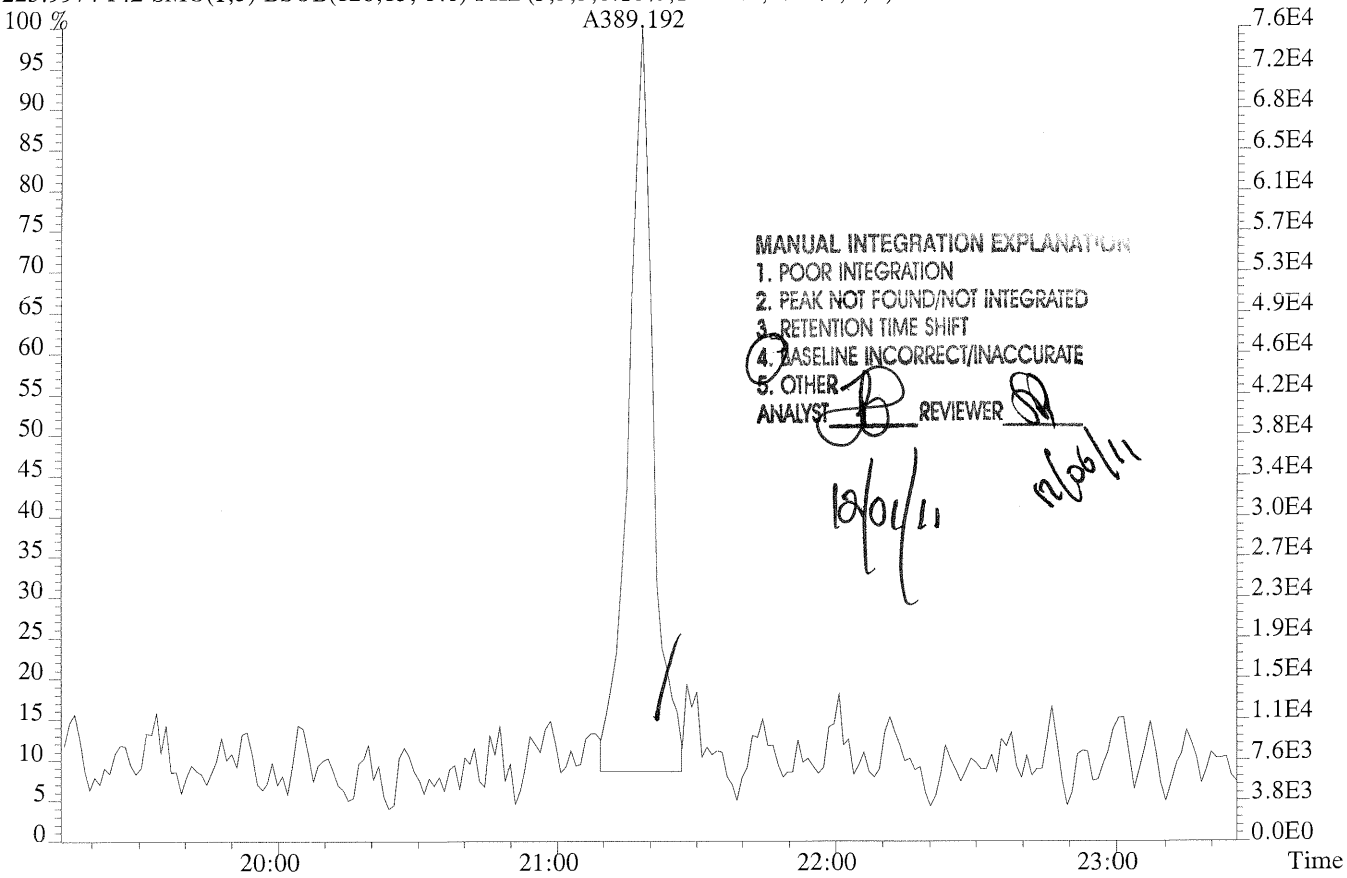
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142160 #1-336 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0)



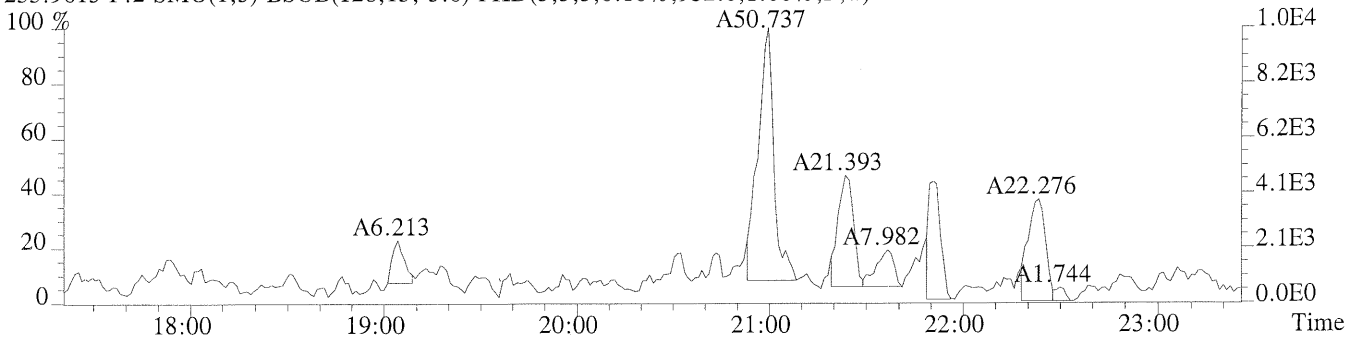
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10032.0,1.00%,F,T)



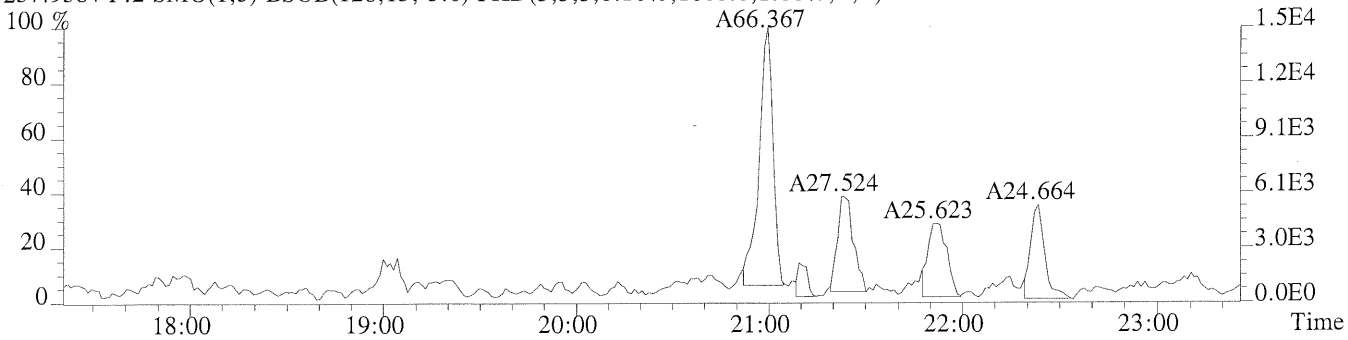
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ____ REVIEWER ____
12/01/11 12/06/11

File:U142160 #1-336 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

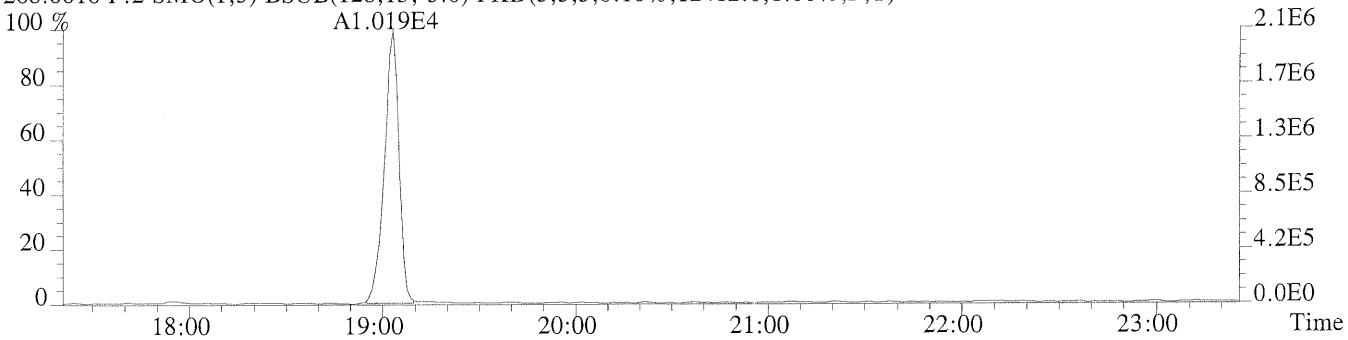
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,952.0,1.00%,F,T)



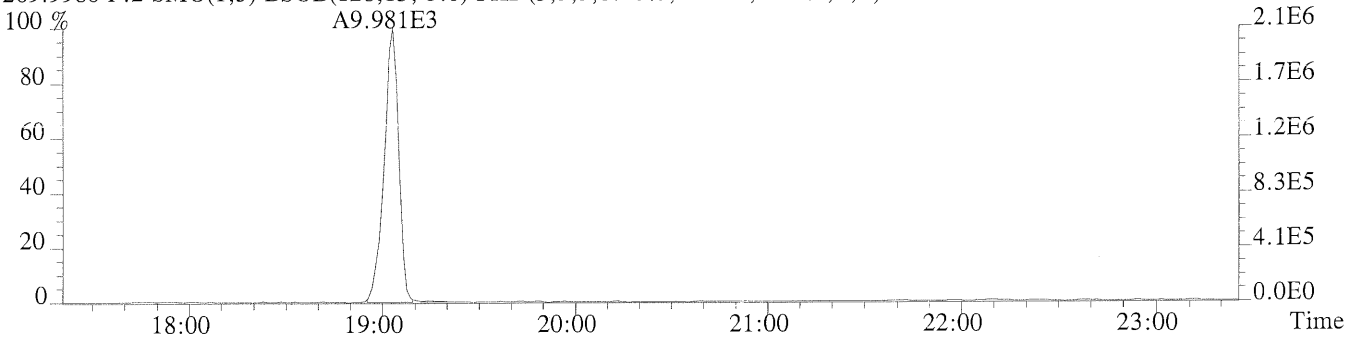
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1008.0,1.00%,F,T)



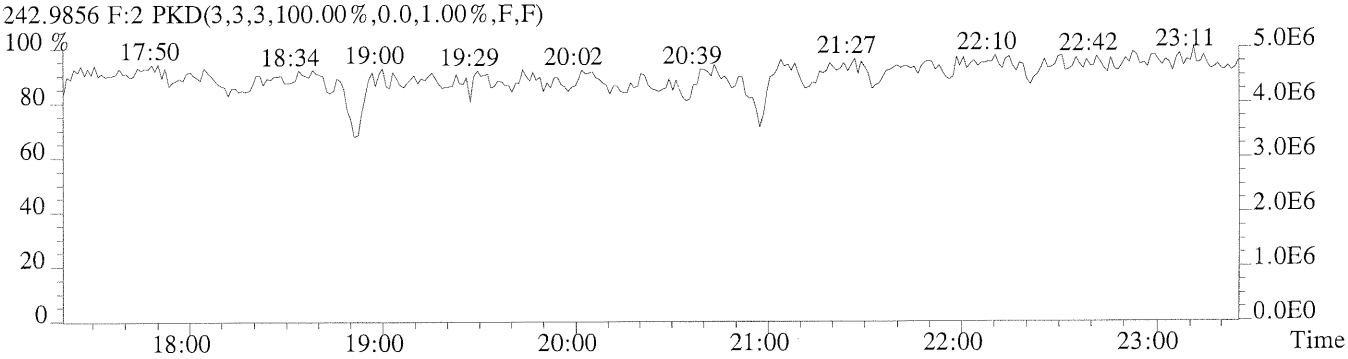
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12412.0,1.00%,F,T)



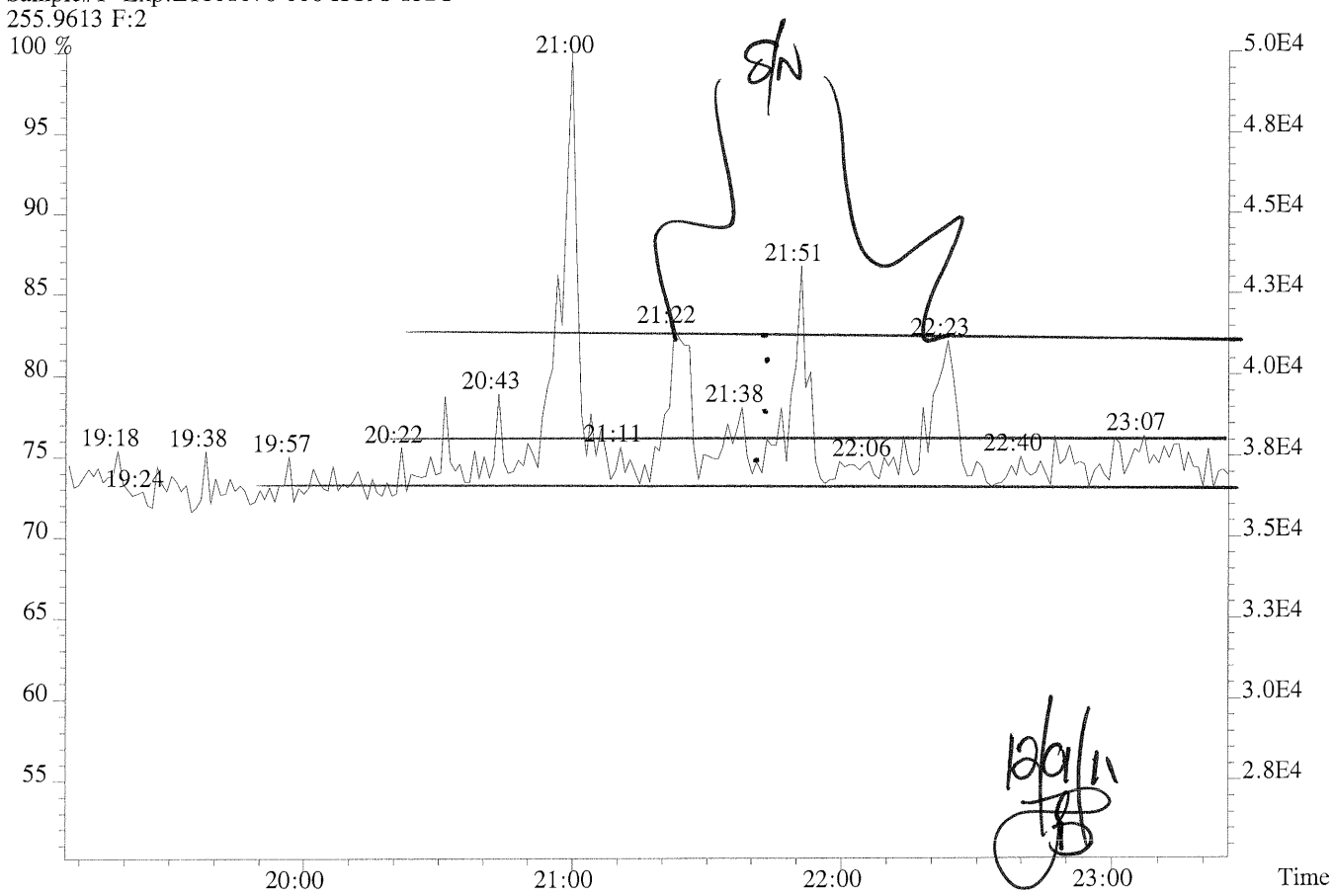
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7728.0,1.00%,F,T)



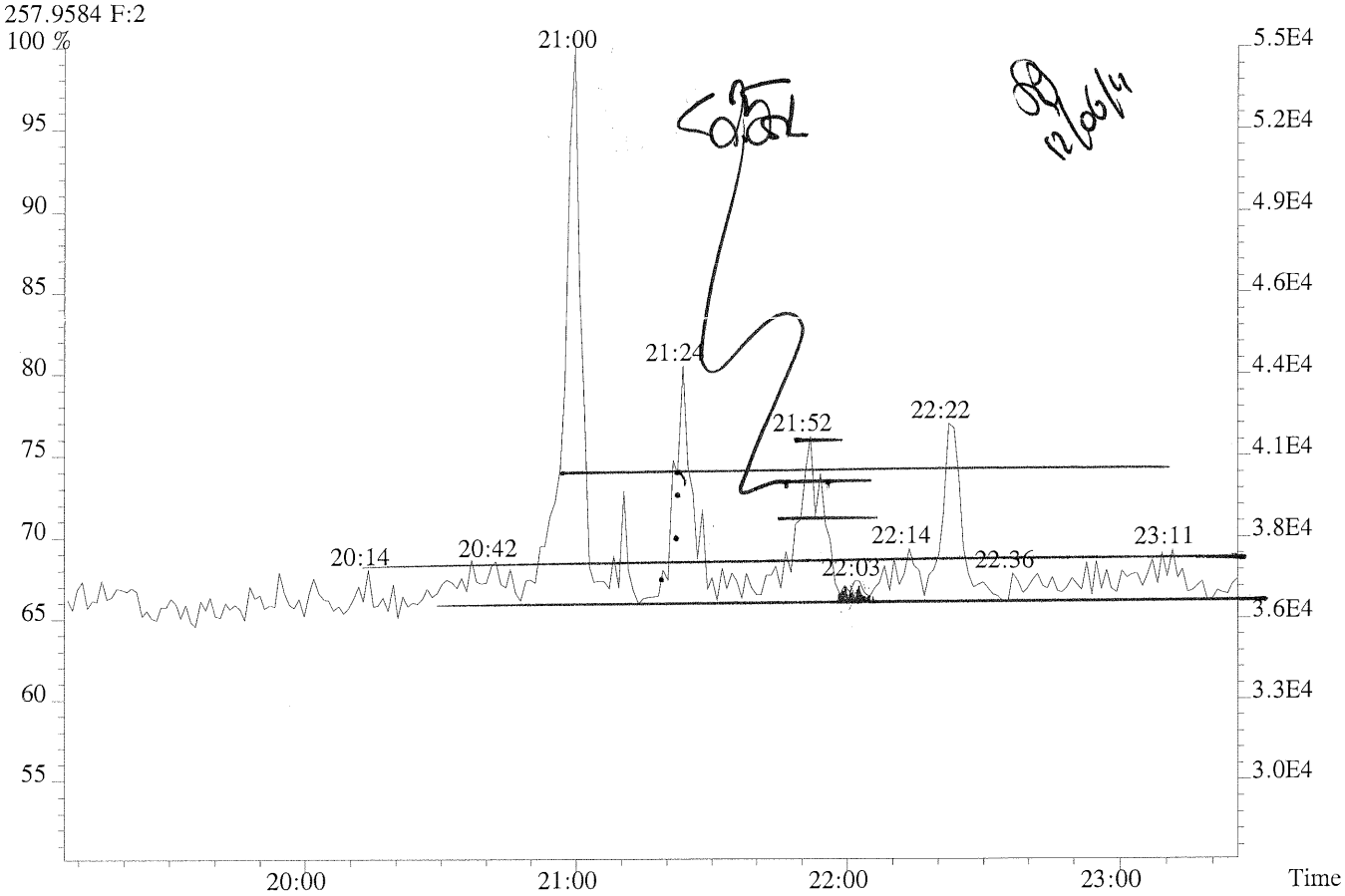
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



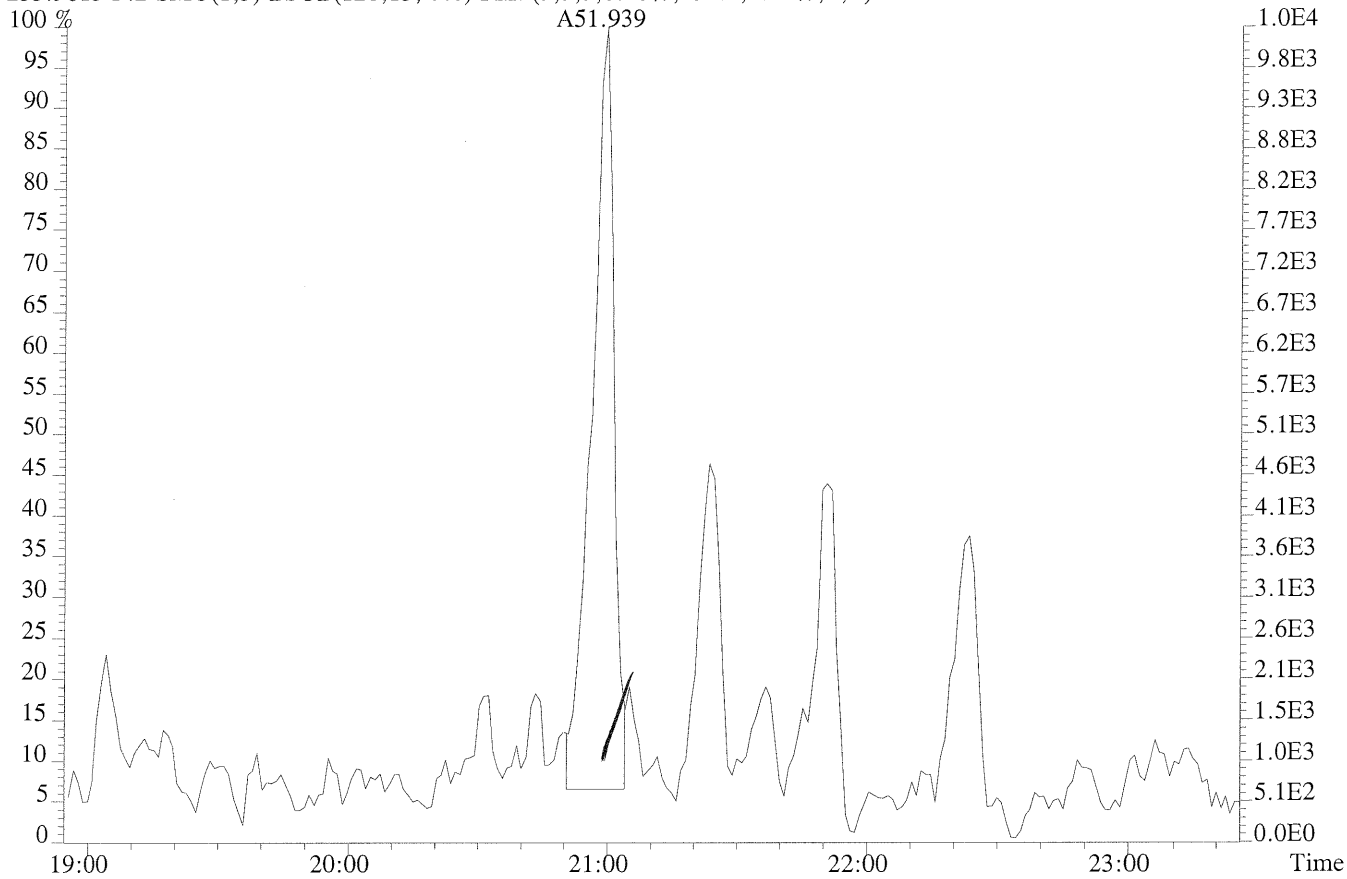
File:U142160 #1-336 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
255.9613 F:2



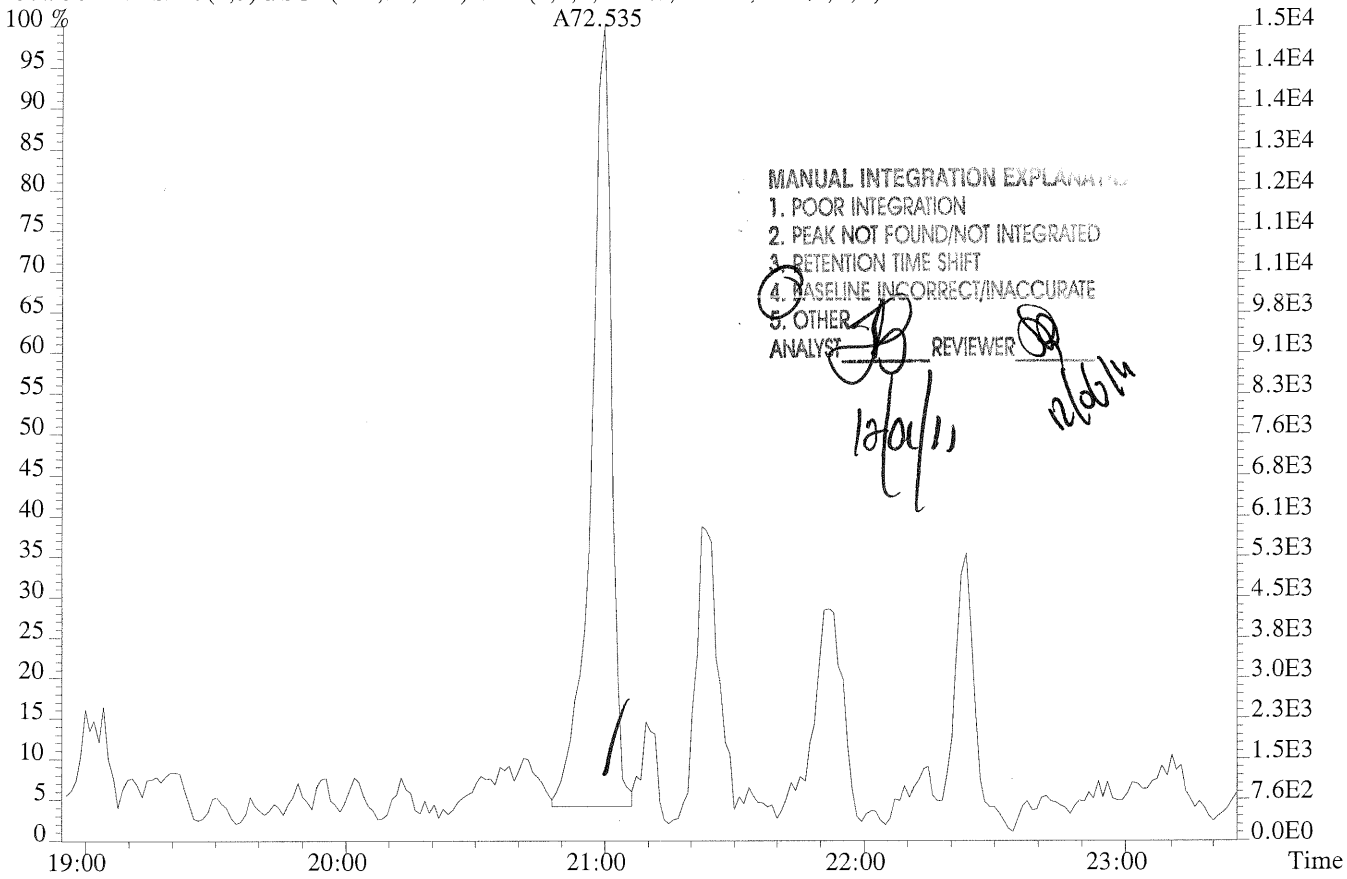
257.9584 F:2



File:U142160 #1-336 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,952.0,1.00%,F,T)



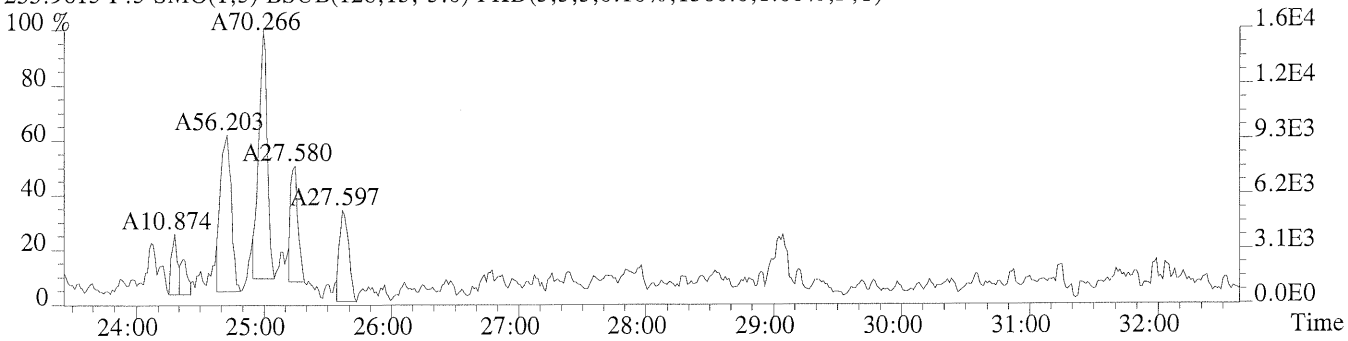
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1008.0,1.00%,F,T)



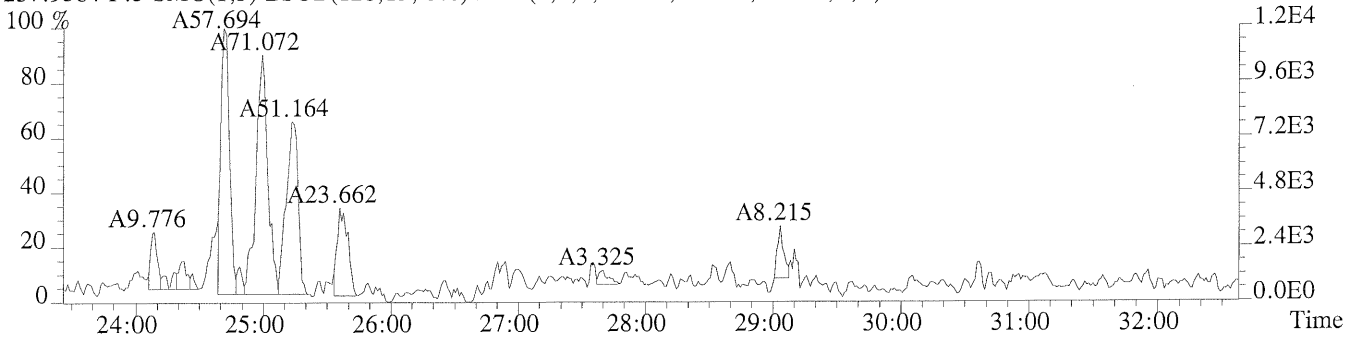
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 12/04/11 REVIEWER 12/06/14

File:U142160 #1-588 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

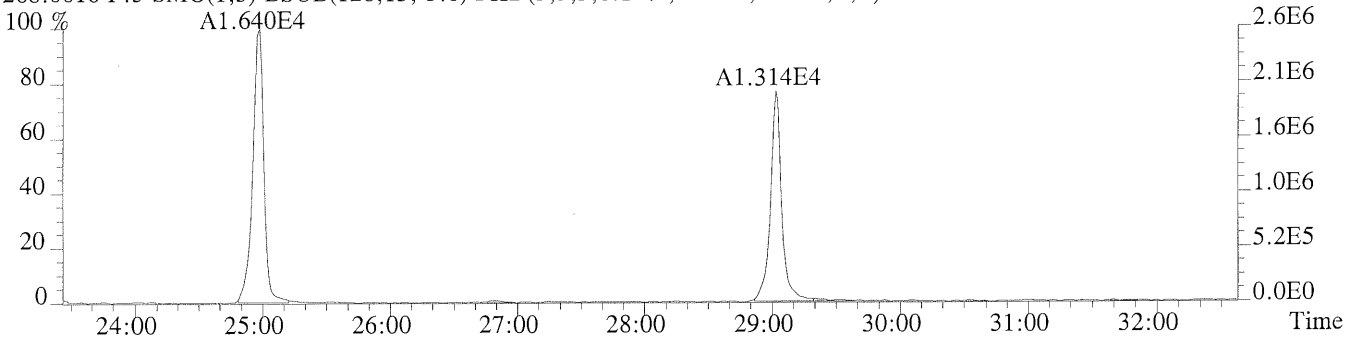
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1560.0,1.00%,F,T)



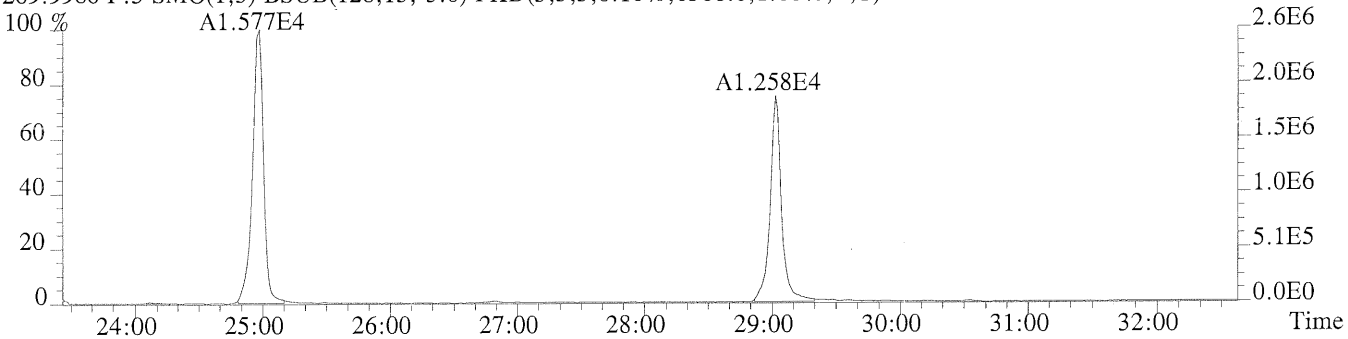
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1012.0,1.00%,F,T)



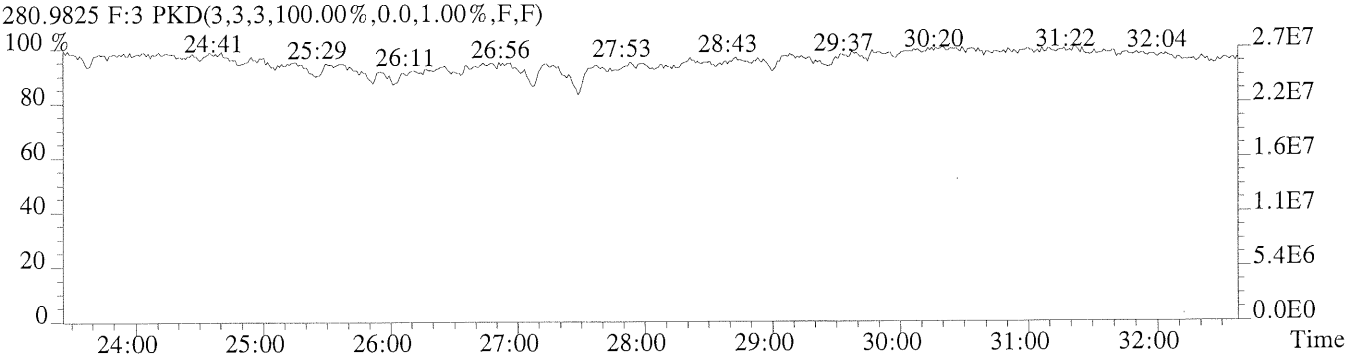
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6216.0,1.00%,F,T)



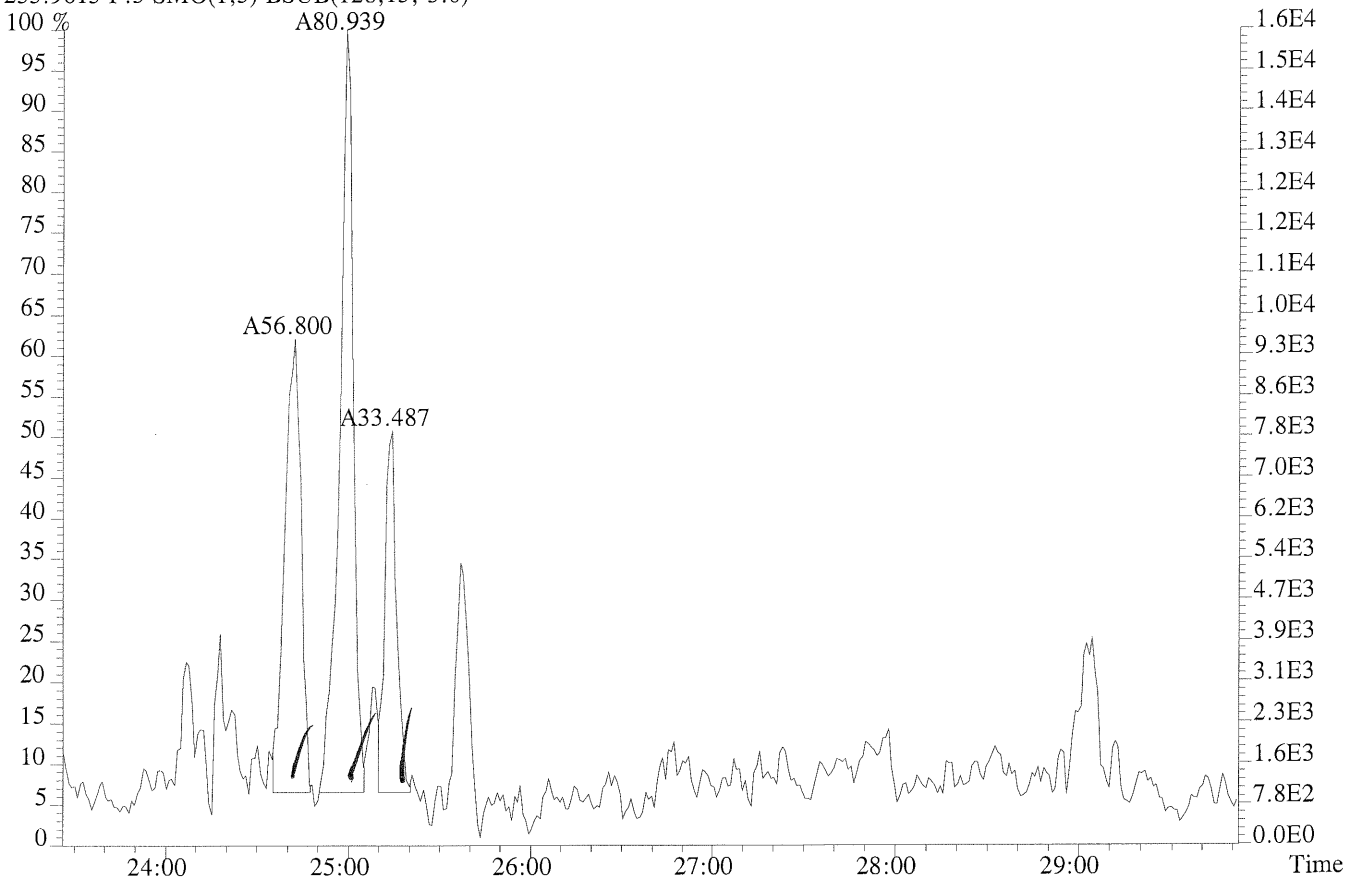
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6368.0,1.00%,F,T)



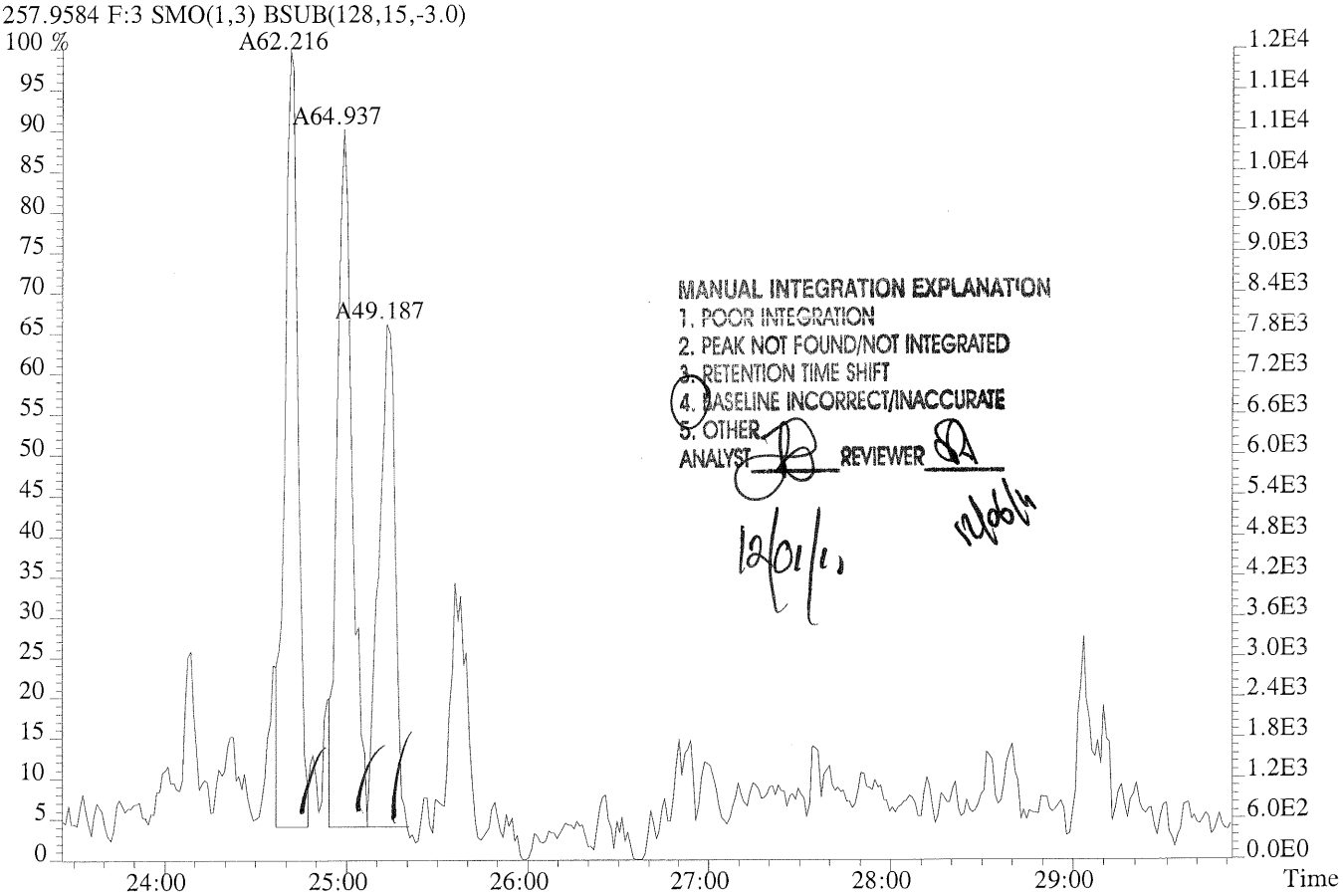
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142160 #1-588 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0)



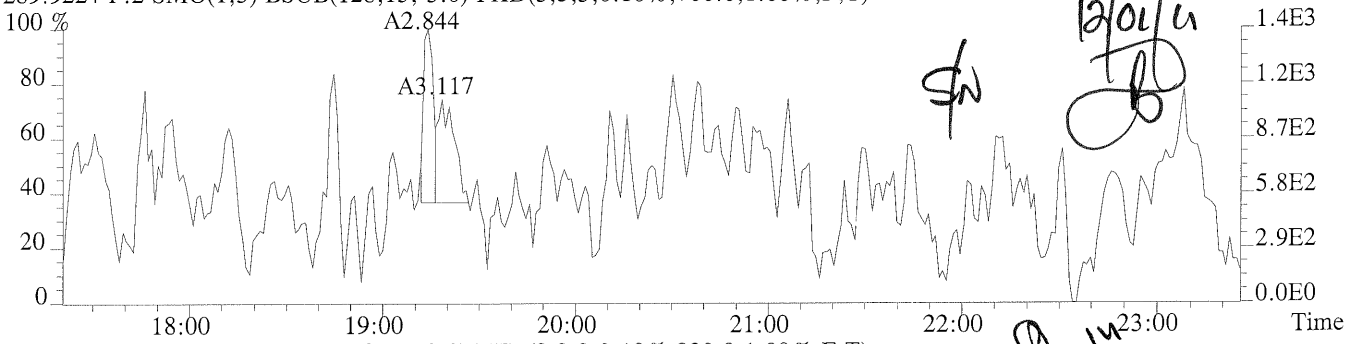
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0)



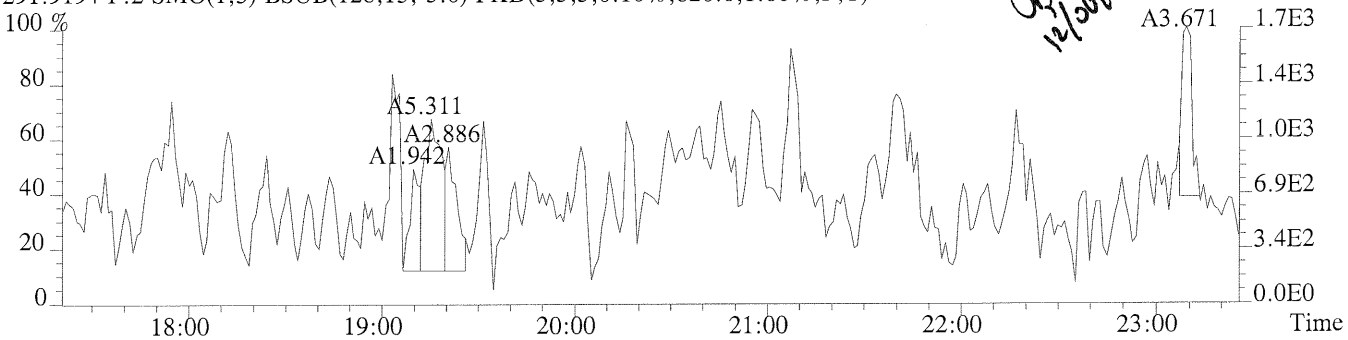
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST REVIEWER
12/01/11 12/06/11

File:U142160 #1-336 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

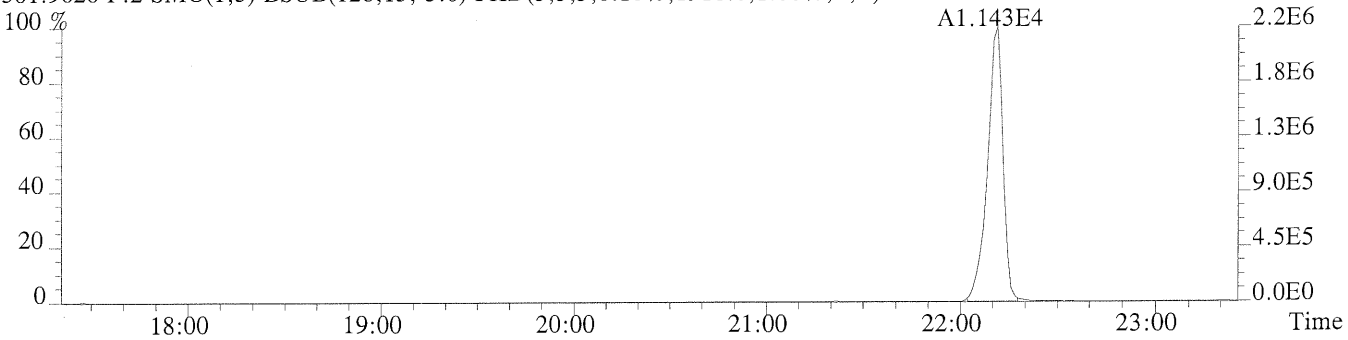
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,700.0,1.00%,F,T)



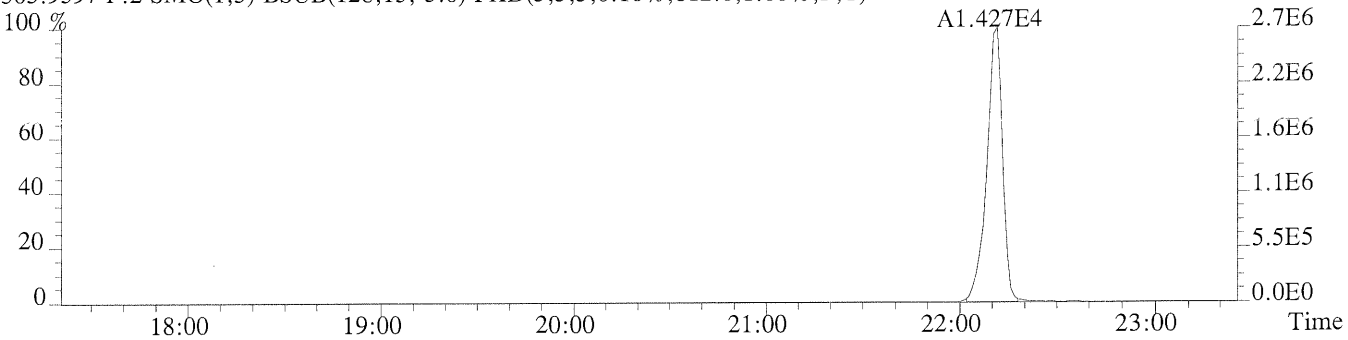
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



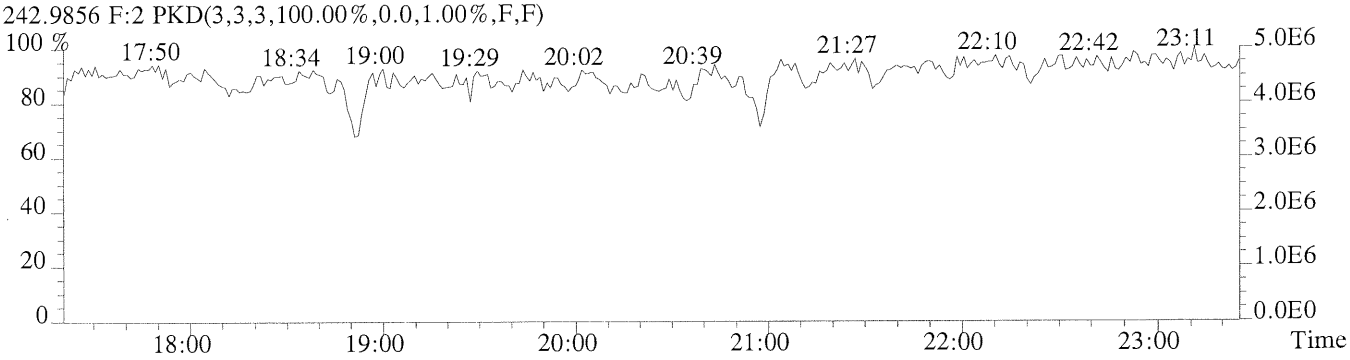
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1916.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)

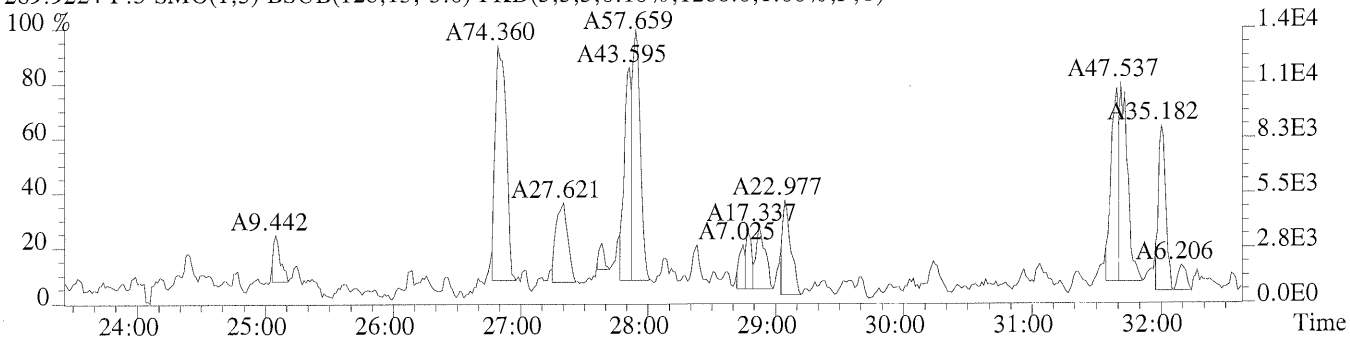


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

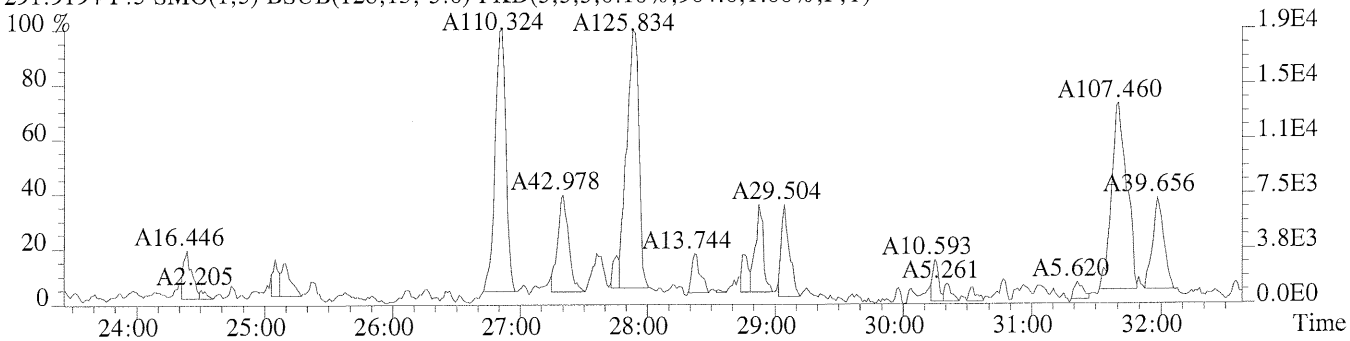


File:U142160 #1-588 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

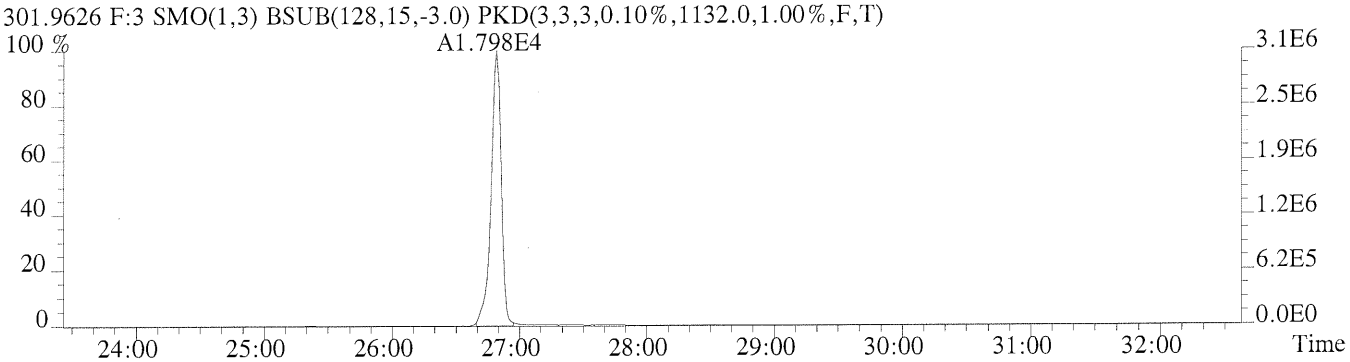
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1288.0,1.00%,F,T)



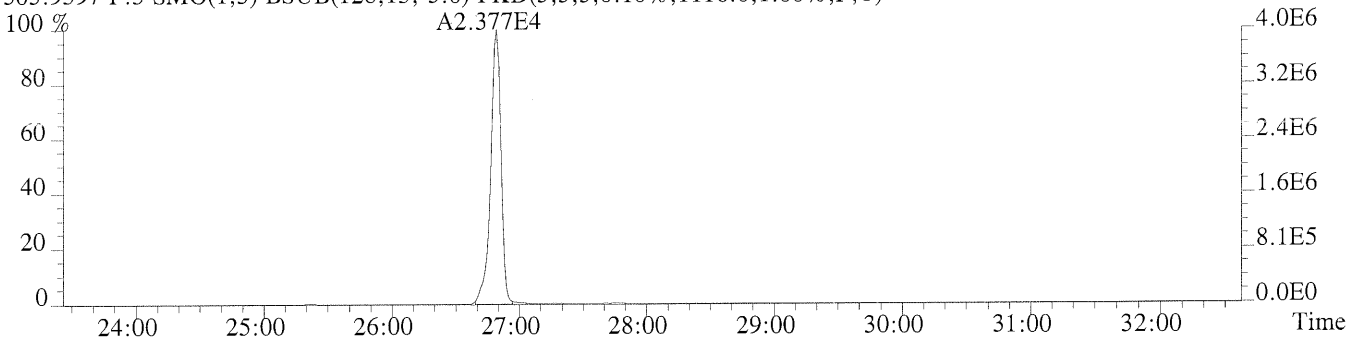
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)



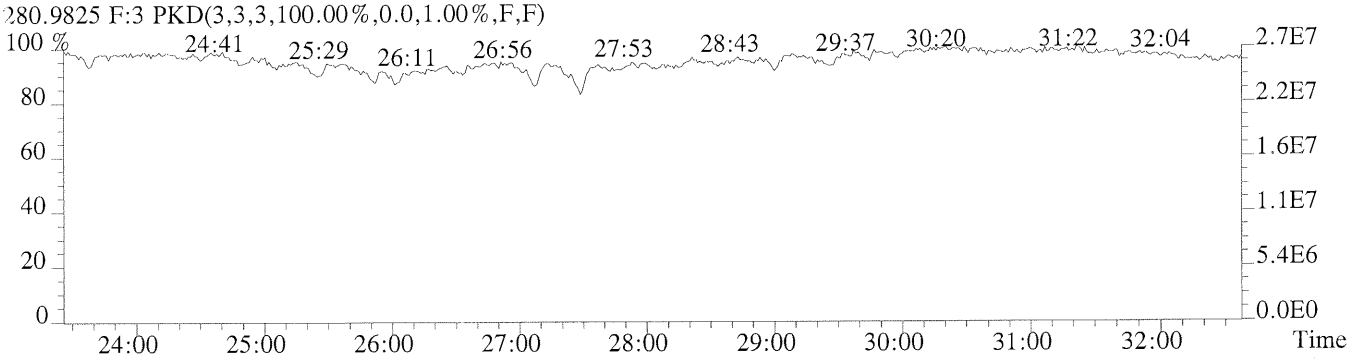
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1132.0,1.00%,F,T)



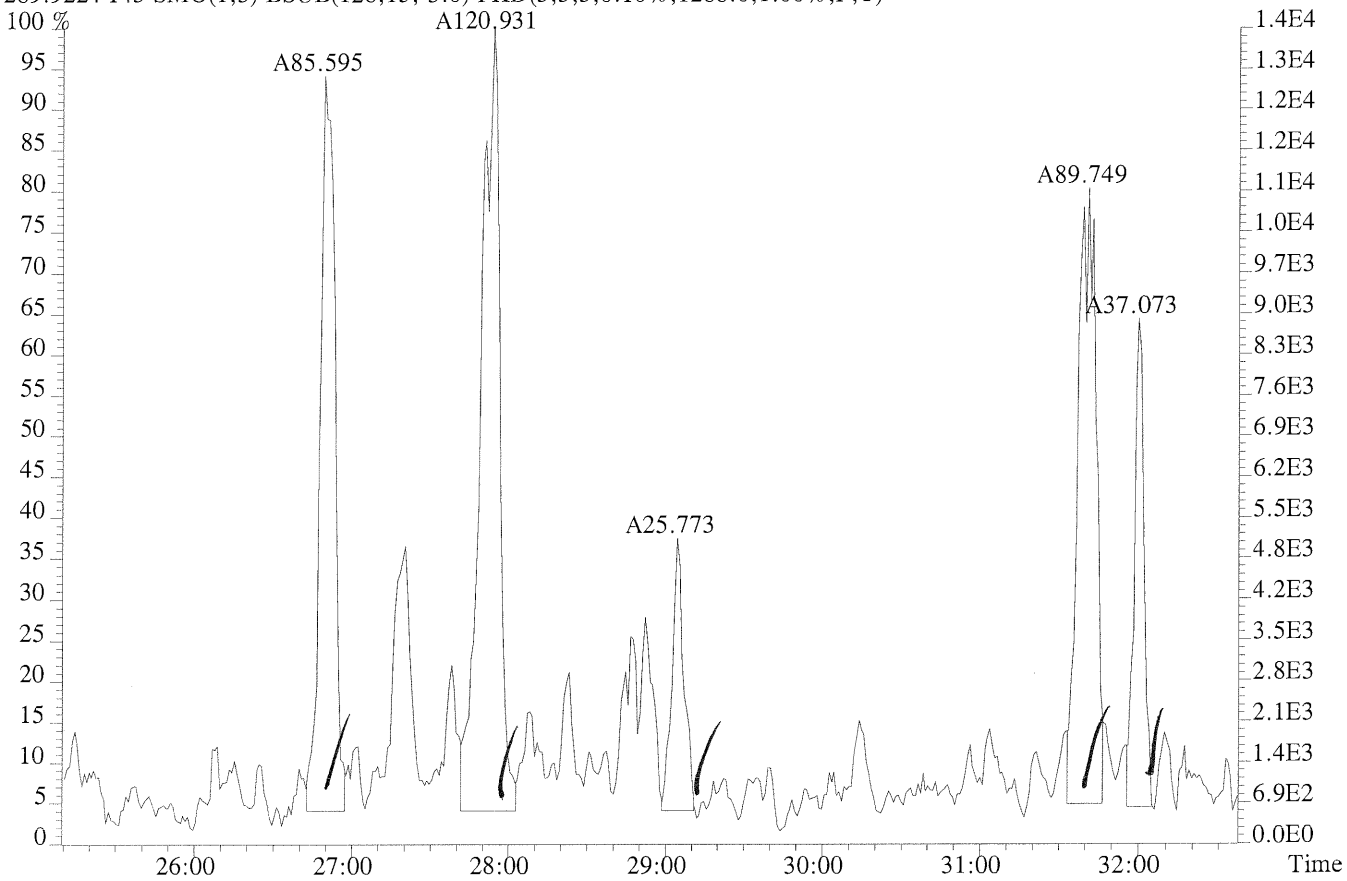
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1116.0,1.00%,F,T)



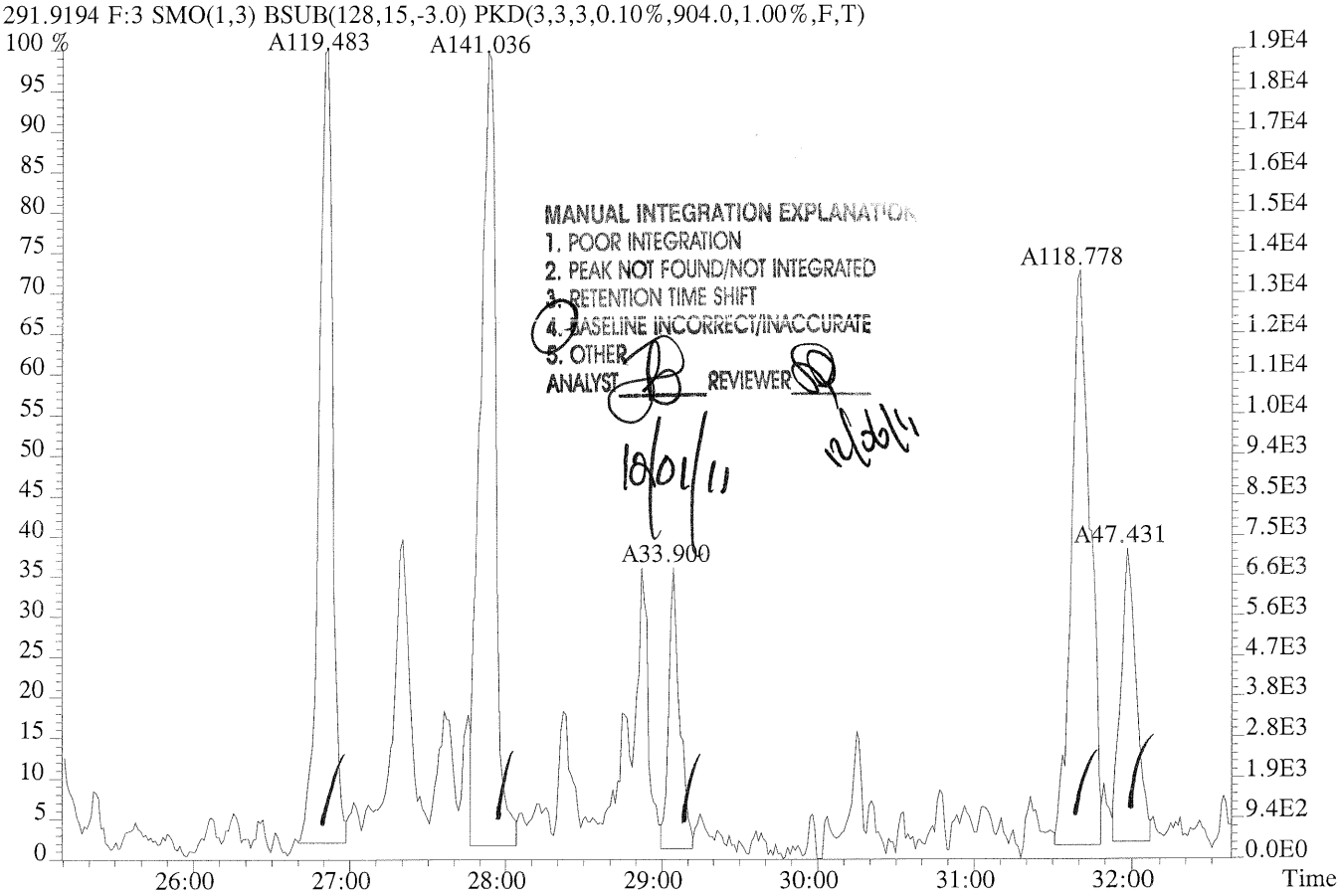
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142160 #1-588 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1288.0,1.00%,F,T)



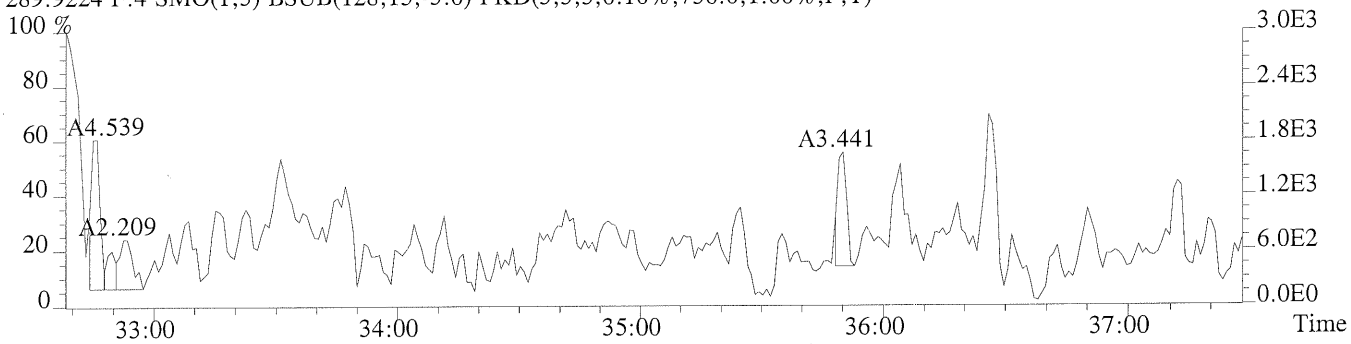
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)



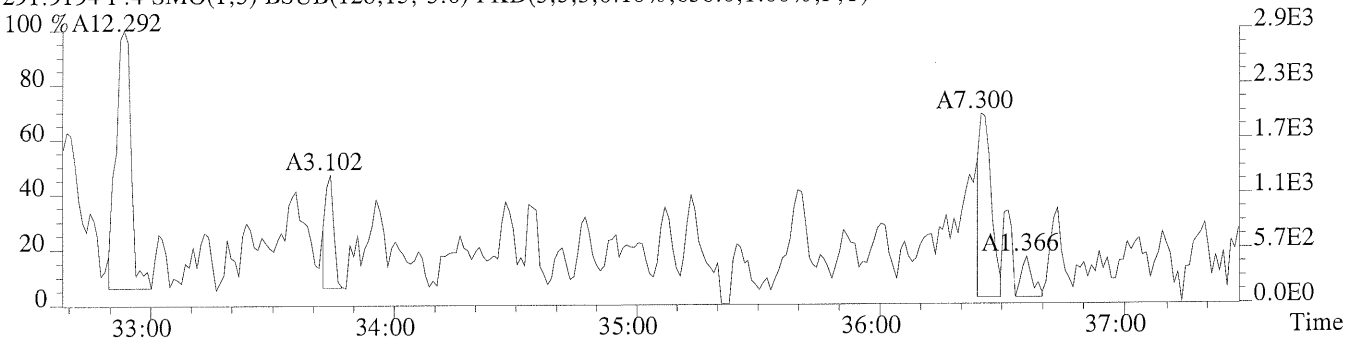
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST REVIEWER
10/01/11 12/20/11

File:U142160 #1-309 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

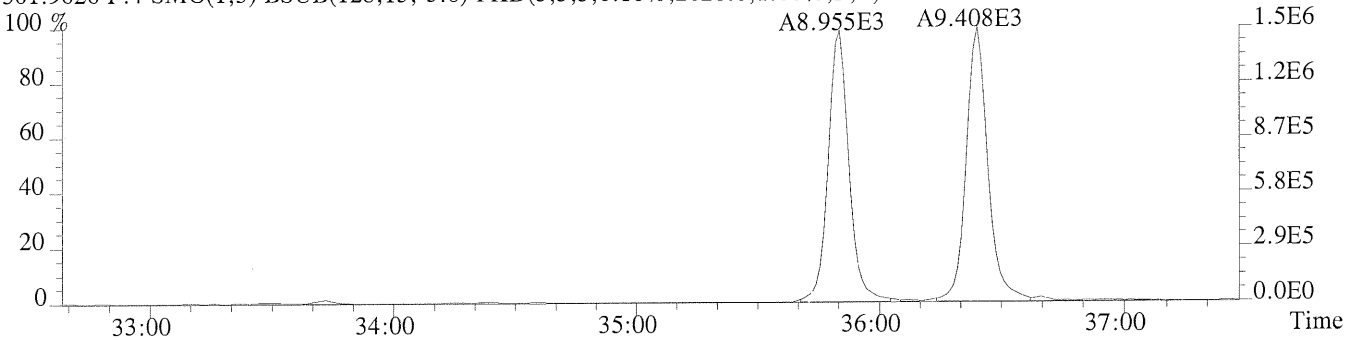
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,736.0,1.00%,F,T)



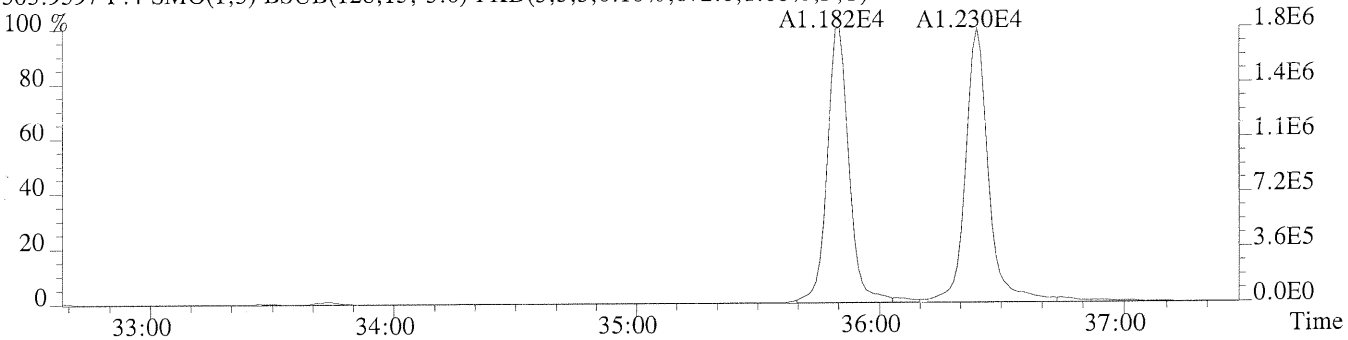
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,636.0,1.00%,F,T)



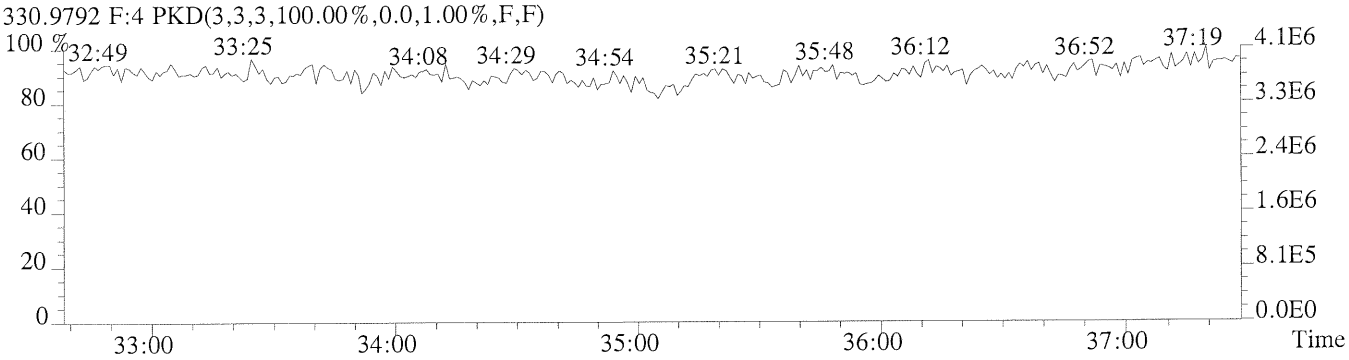
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2028.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)

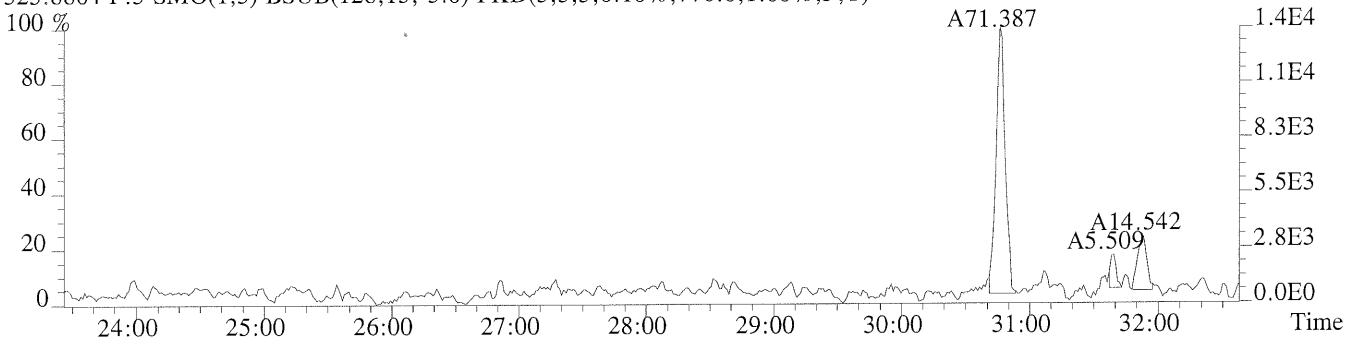


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

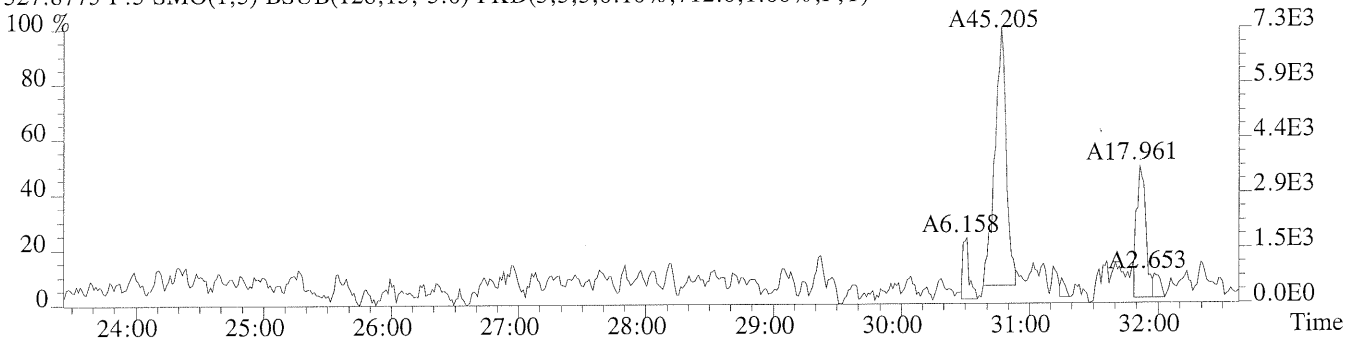


File:U142160 #1-588 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

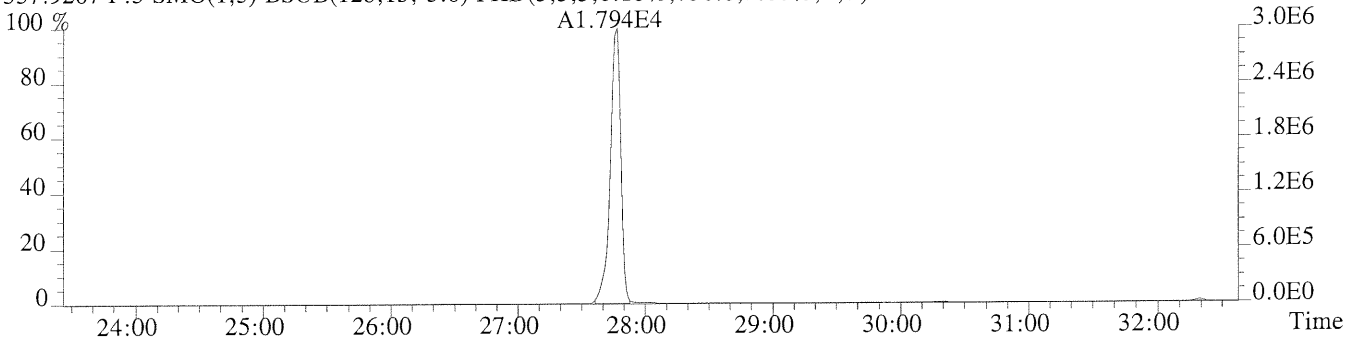
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)



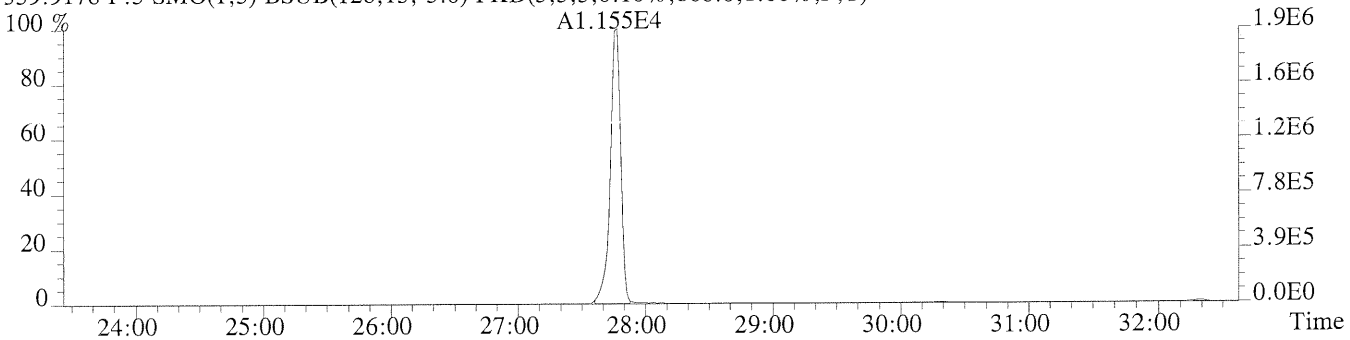
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,712.0,1.00%,F,T)



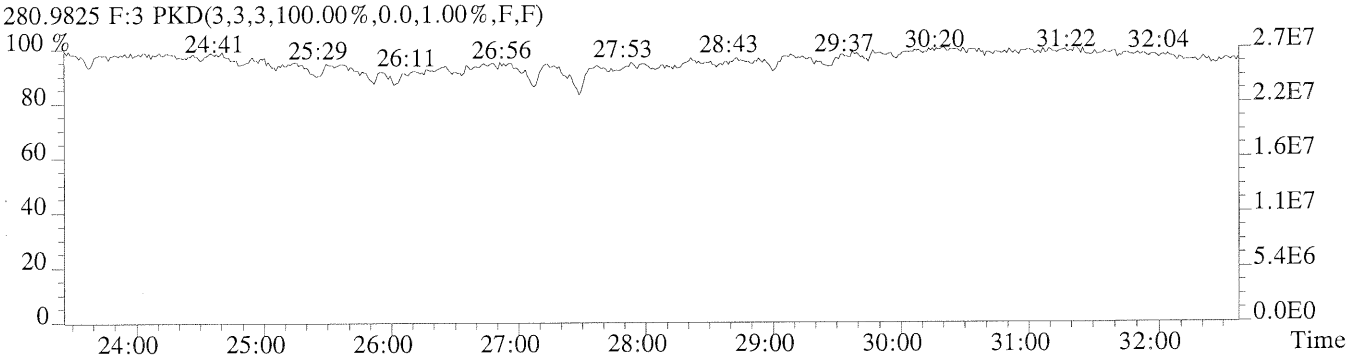
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,736.0,1.00%,F,T)



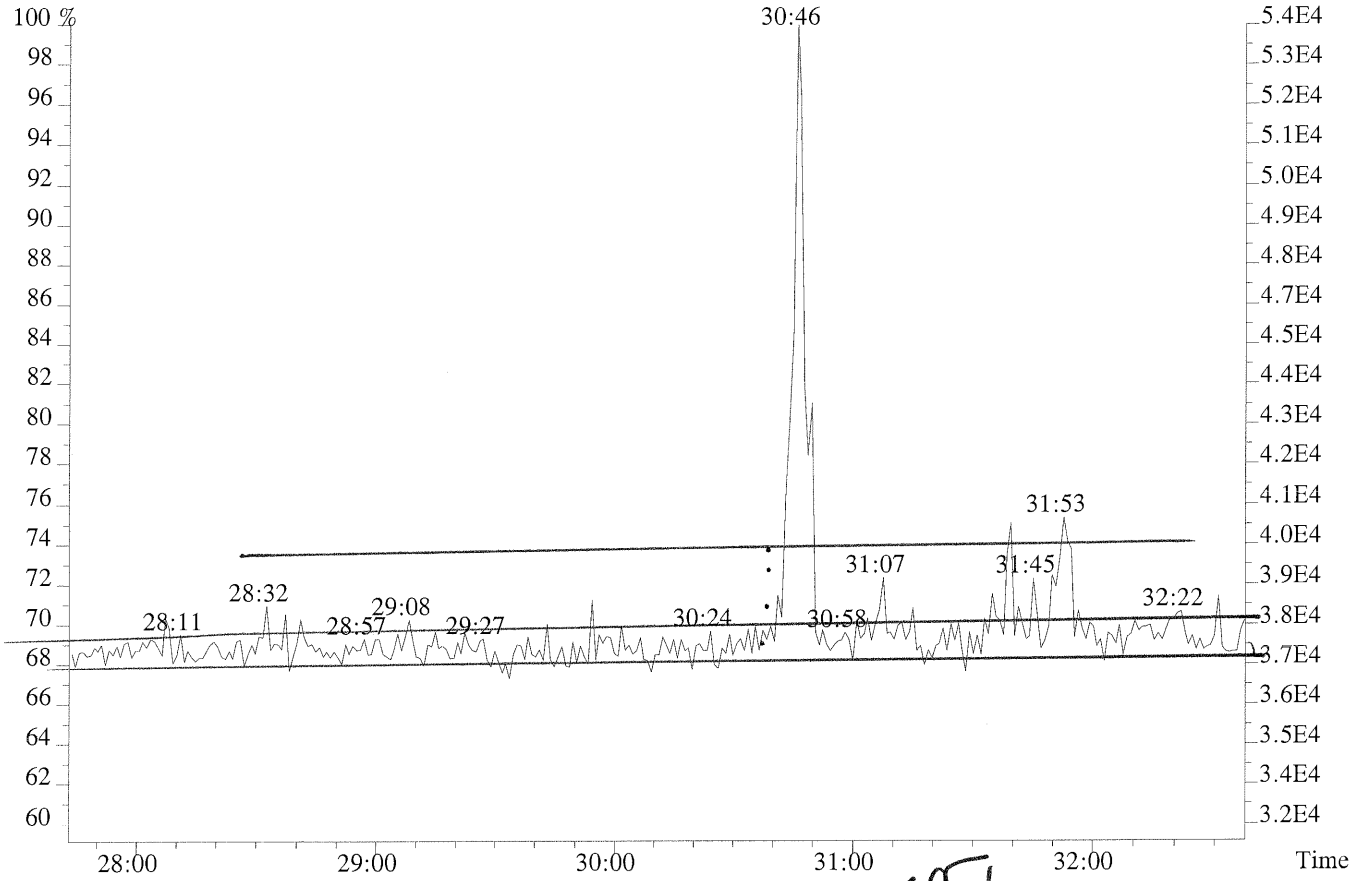
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



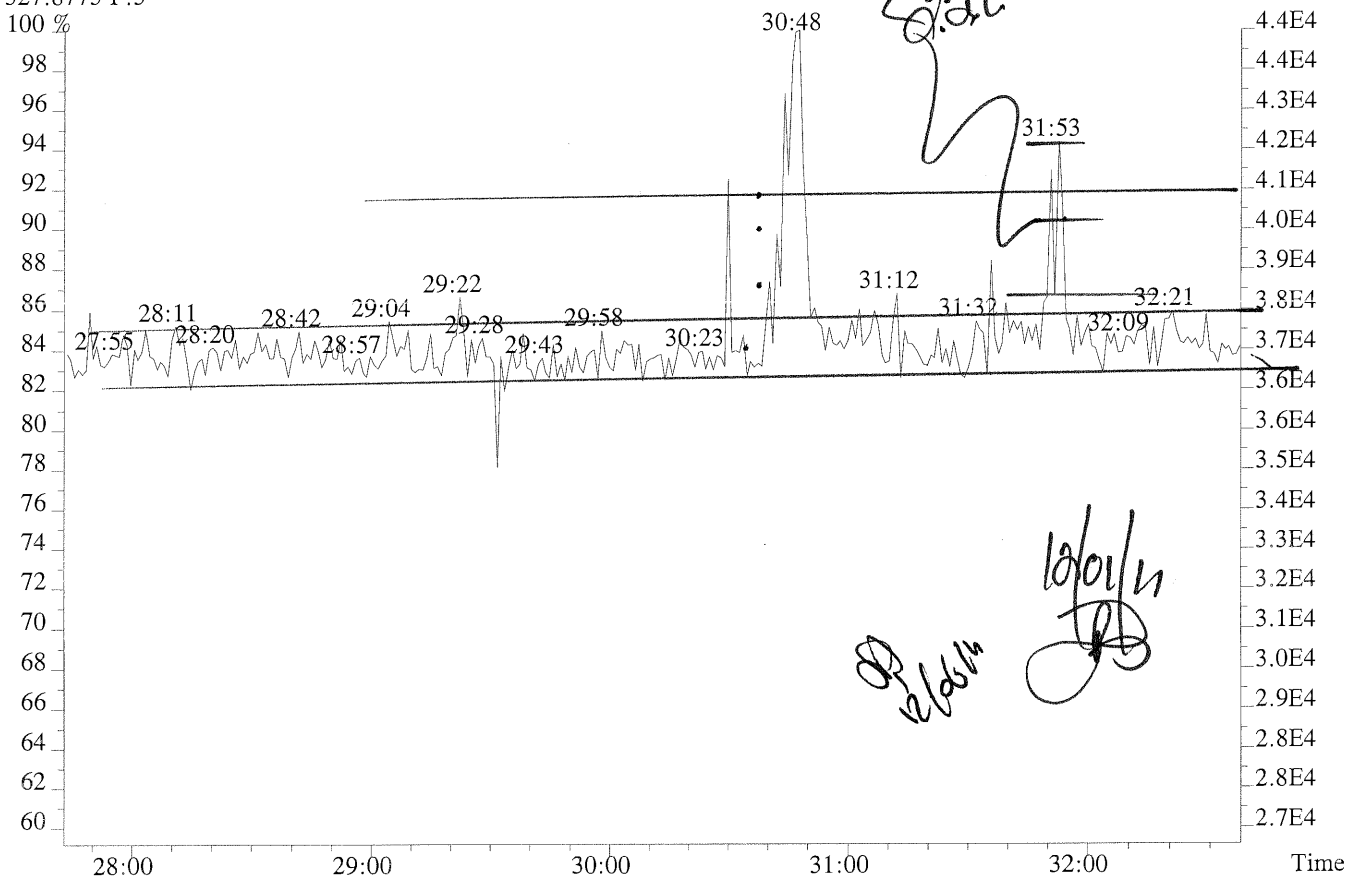
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



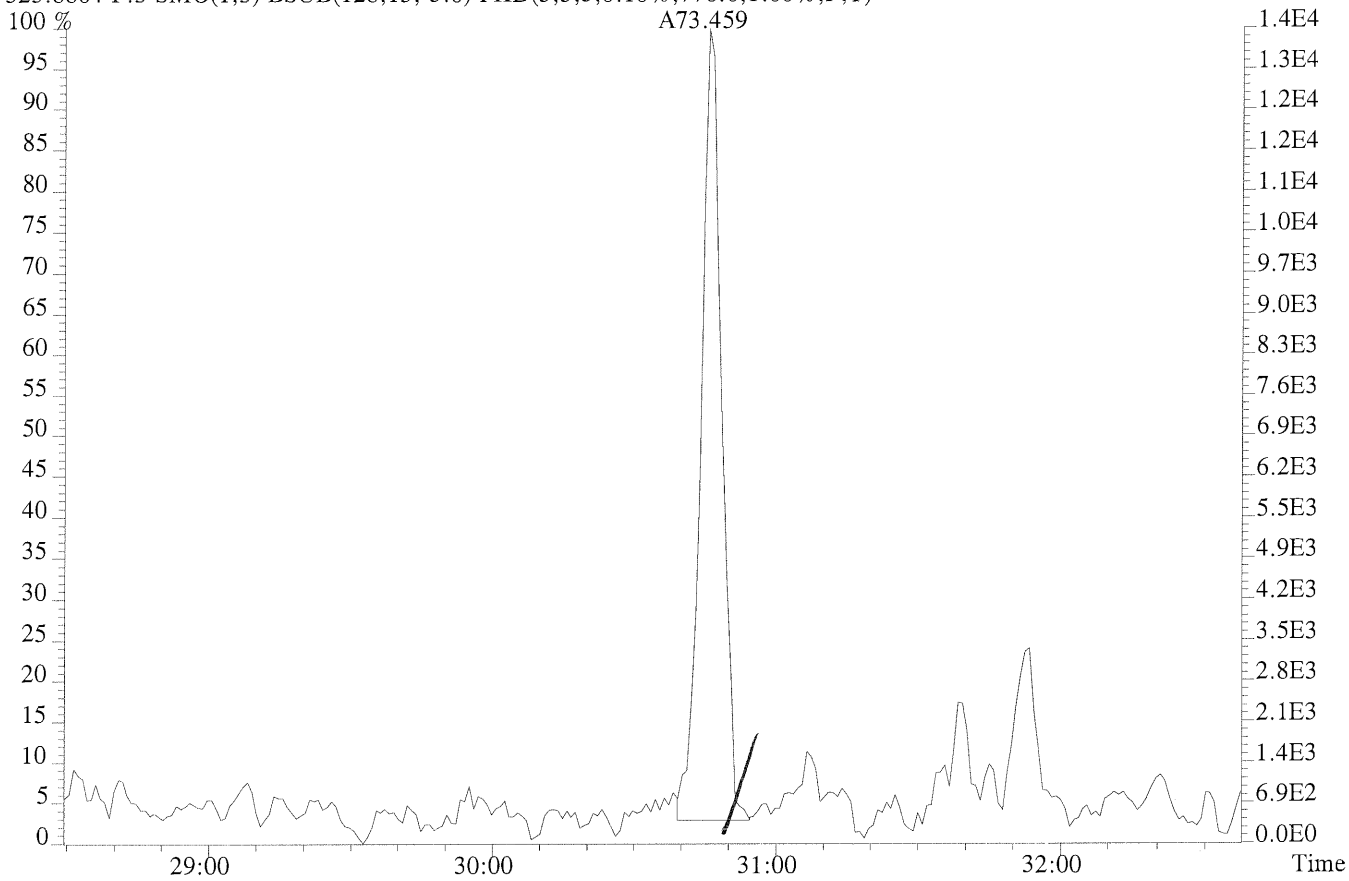
File:U142160 #1-588 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
325.8804 F:3



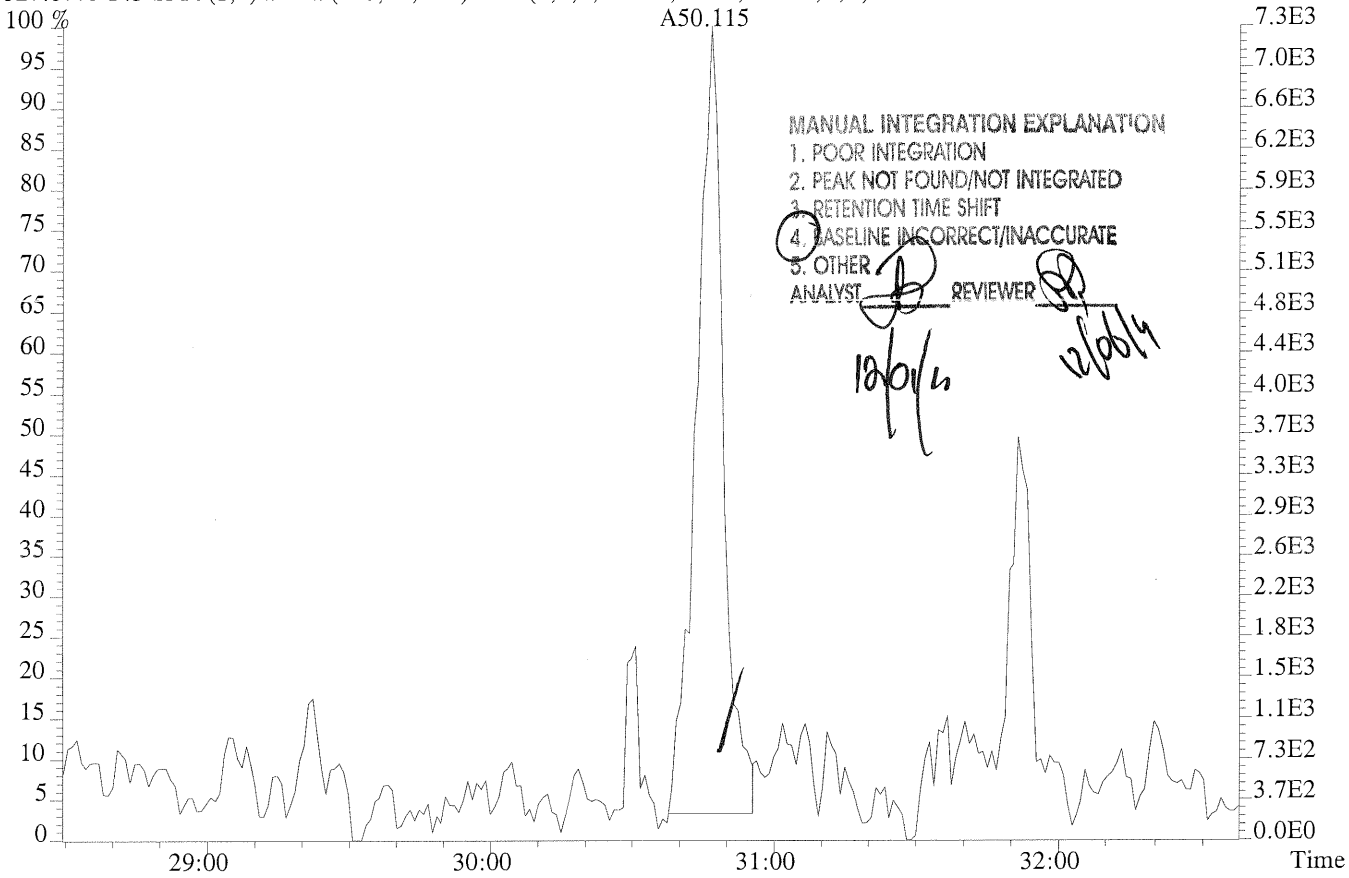
327.8775 F:3



File:U142160 #1-588 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)



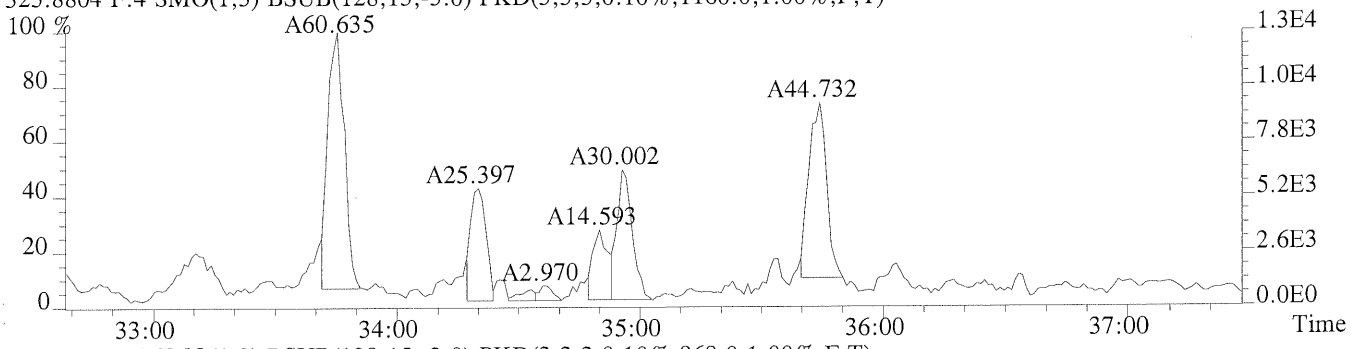
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,712.0,1.00%,F,T)



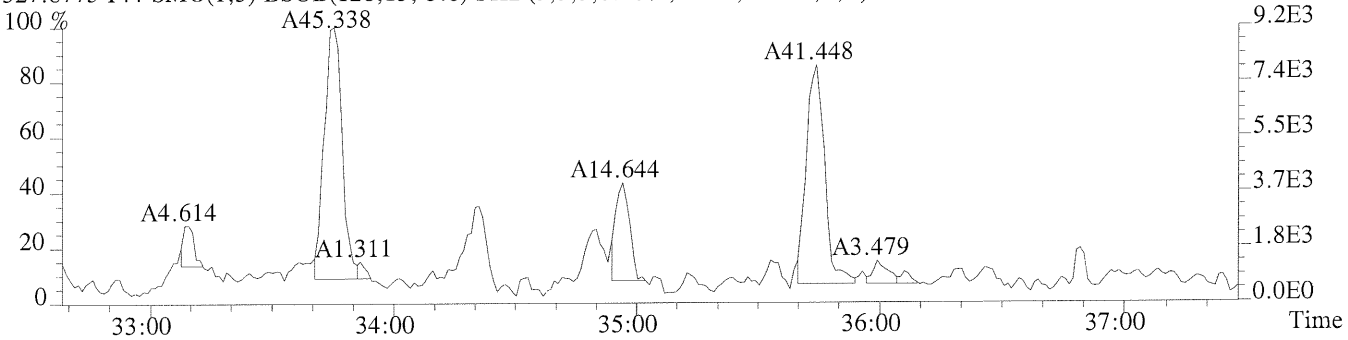
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ____ REVIEWER ____
12/01/4 12/06/4

File:U142160 #1-309 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

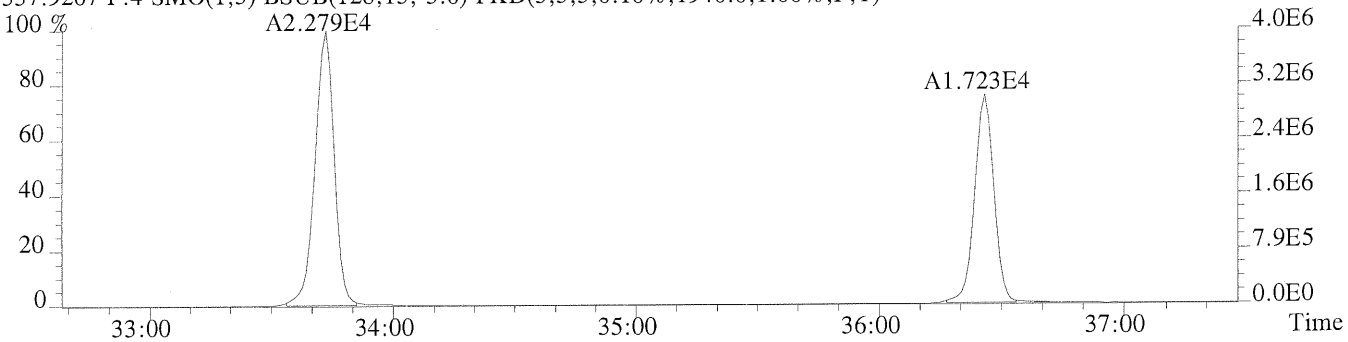
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1160.0,1.00%,F,T)



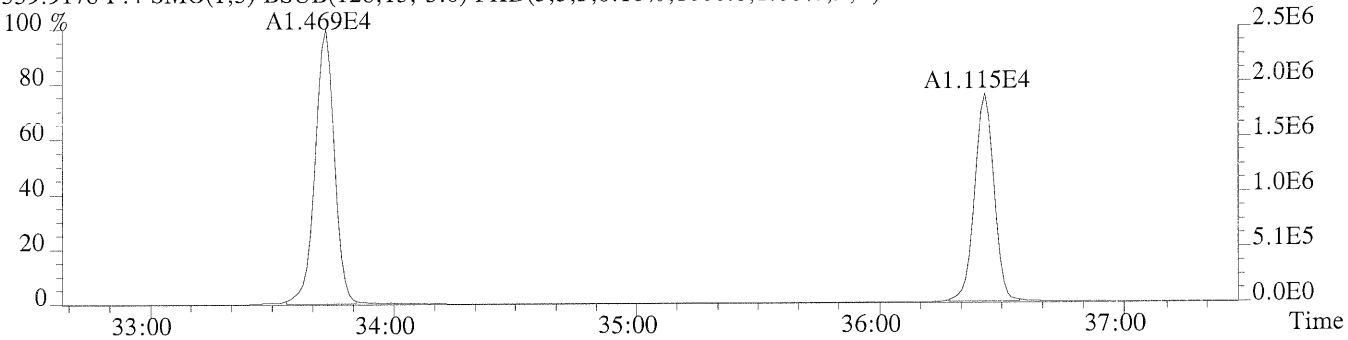
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



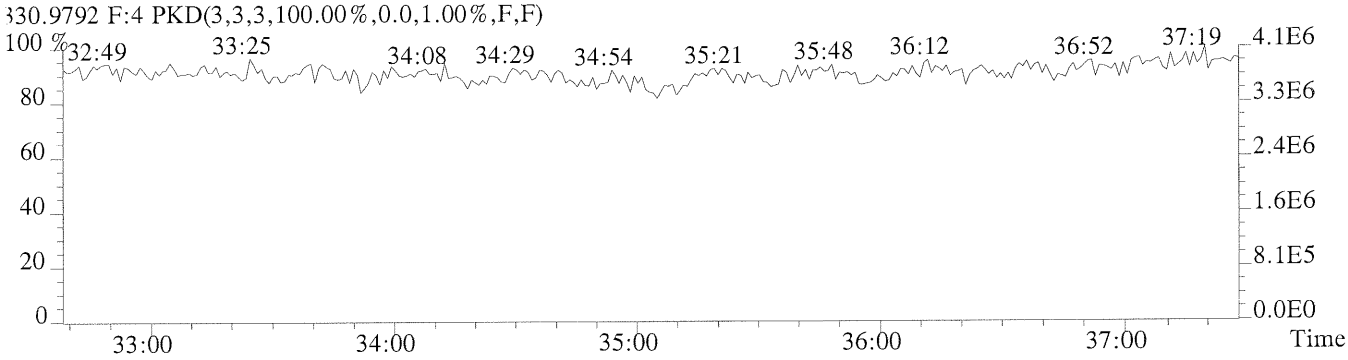
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1940.0,1.00%,F,T)



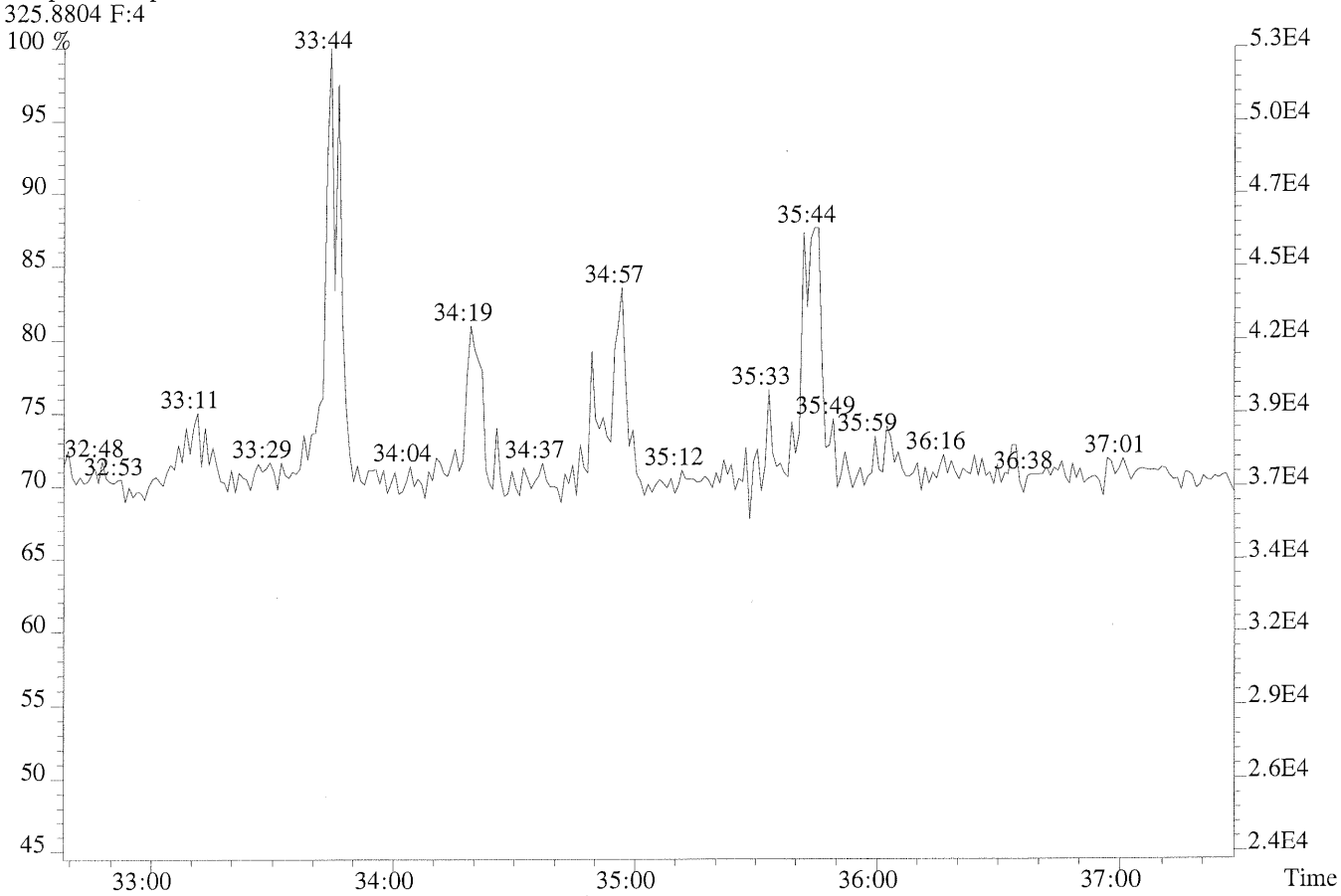
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



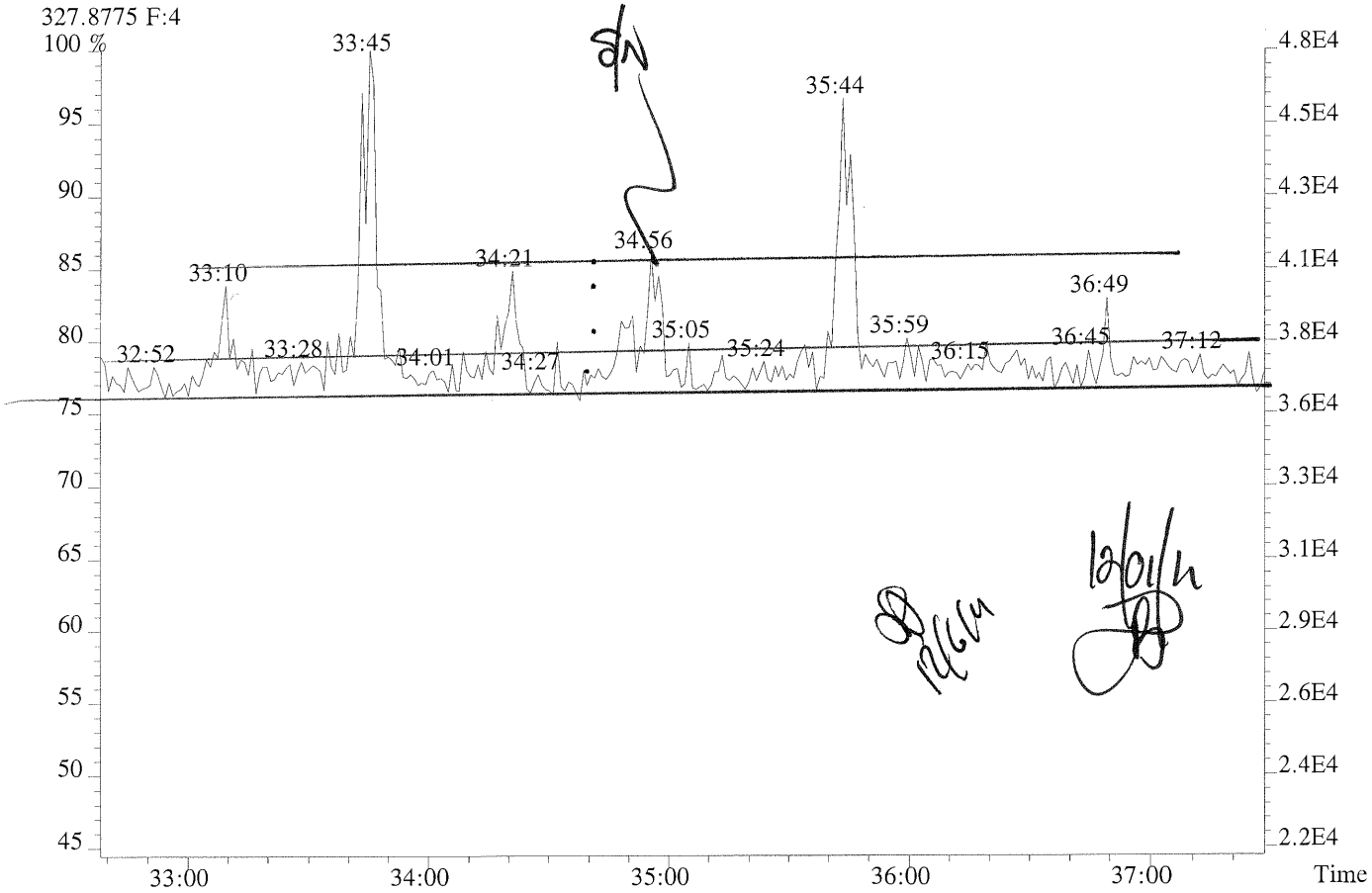
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



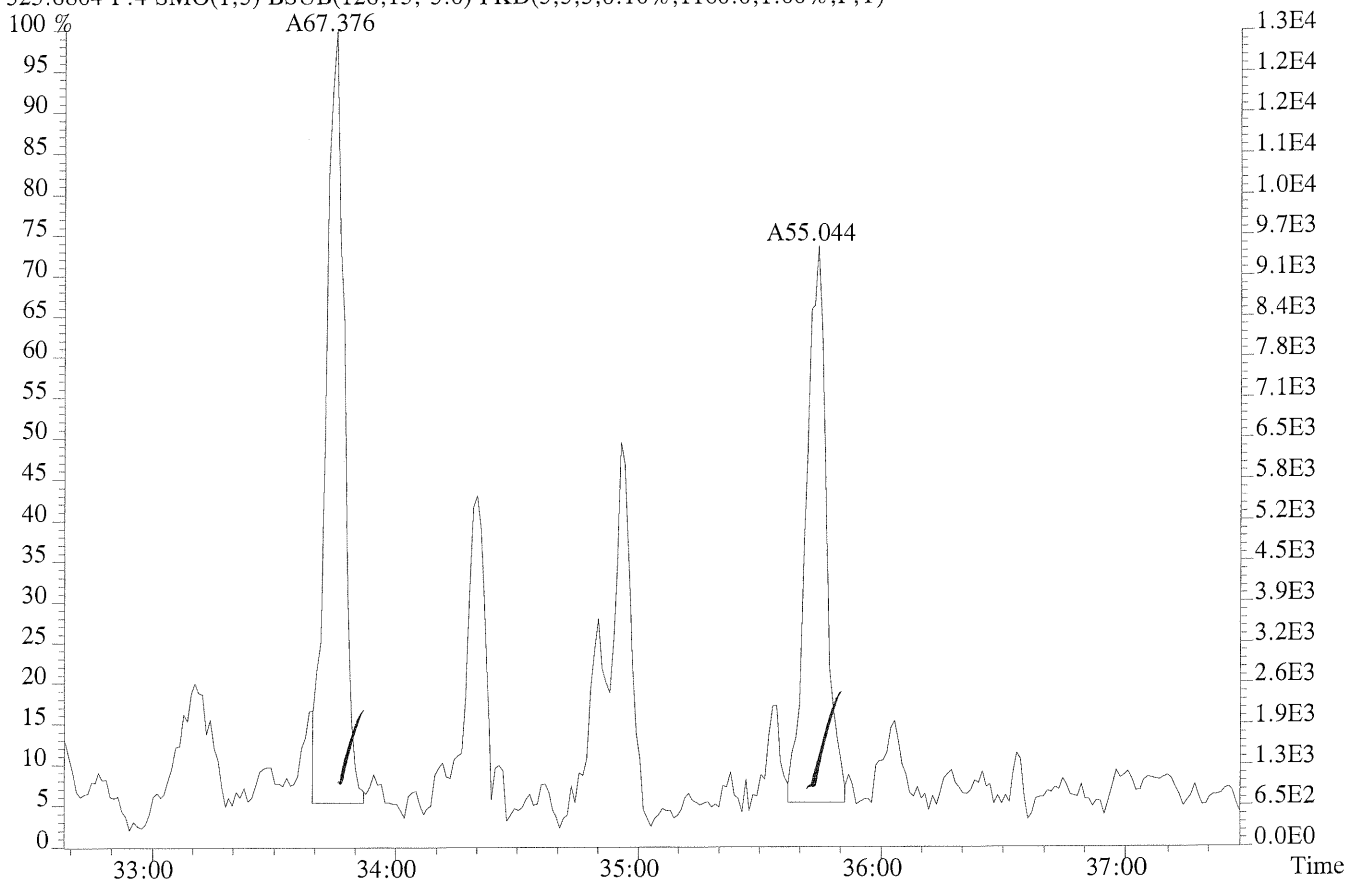
File:U142160 #1-309 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
325.8804 F:4



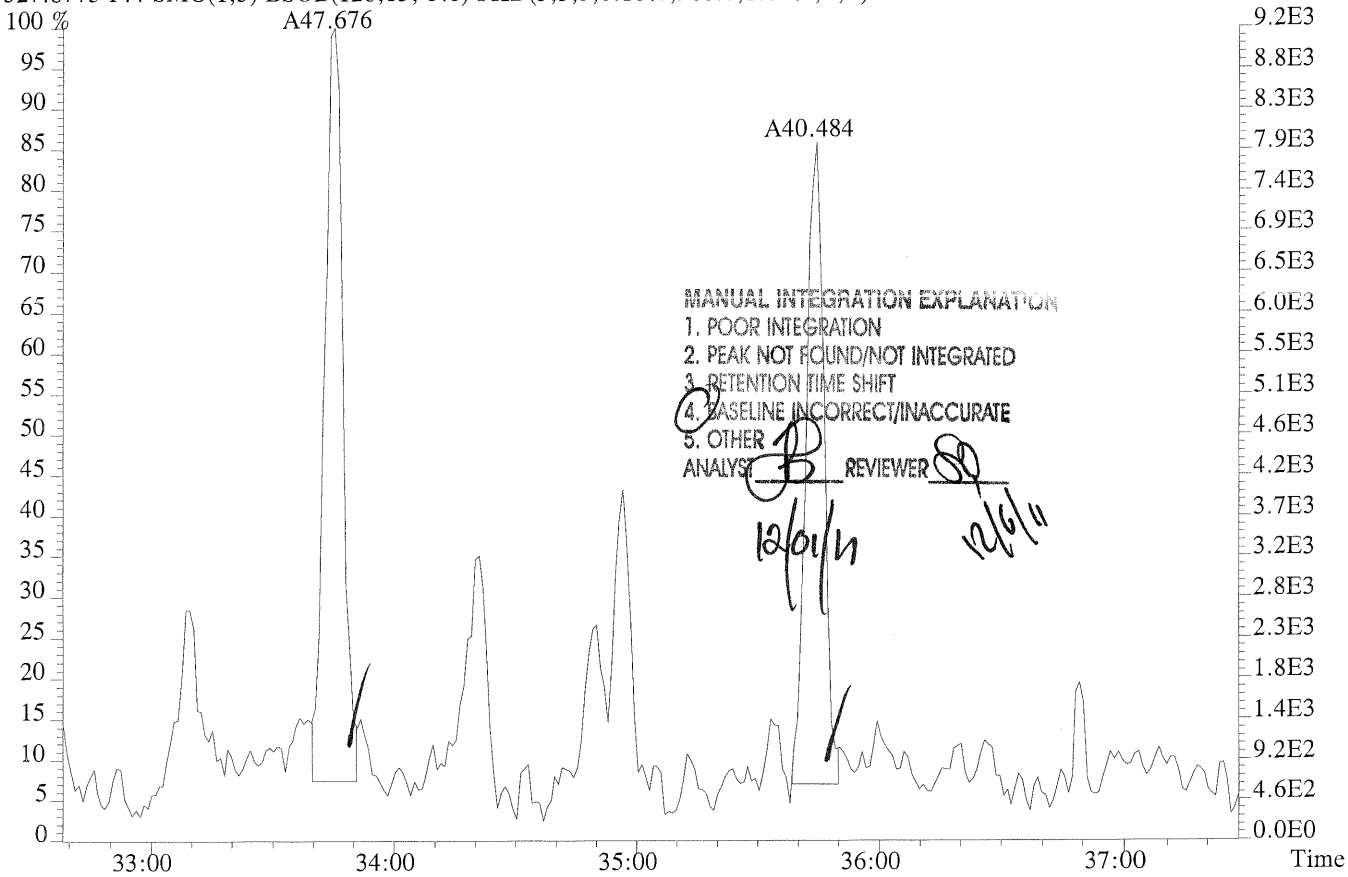
327.8775 F:4



File:U142160 #1-309 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1160.0,1.00%,F,T)



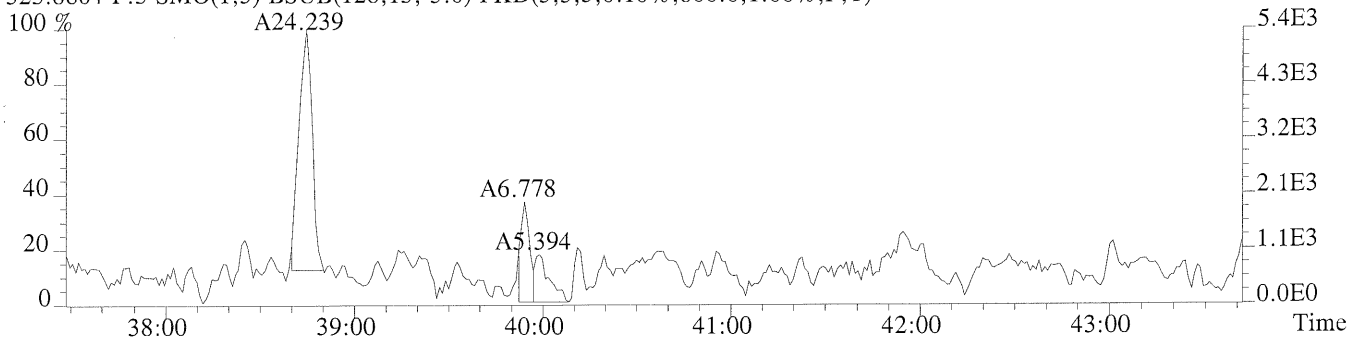
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



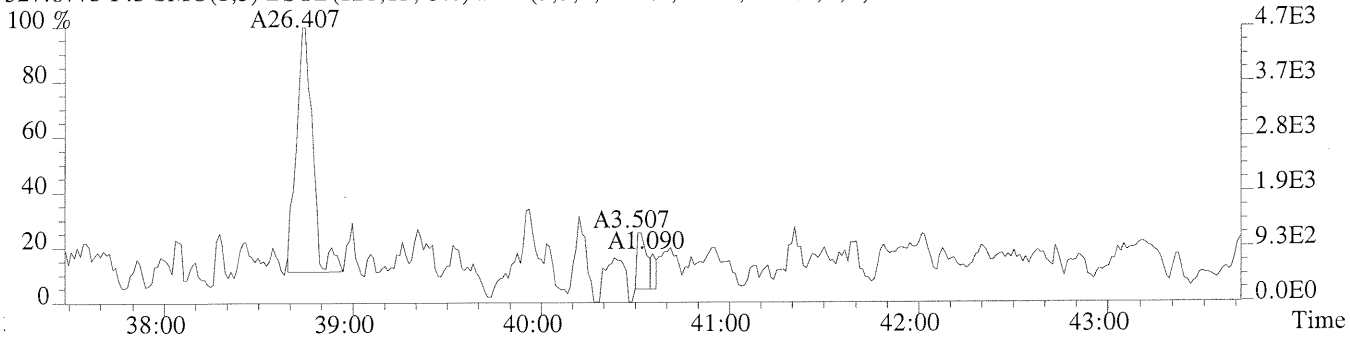
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST B REVIEWER SB
12/01/11 12/6/11

File:U142160 #1-398 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

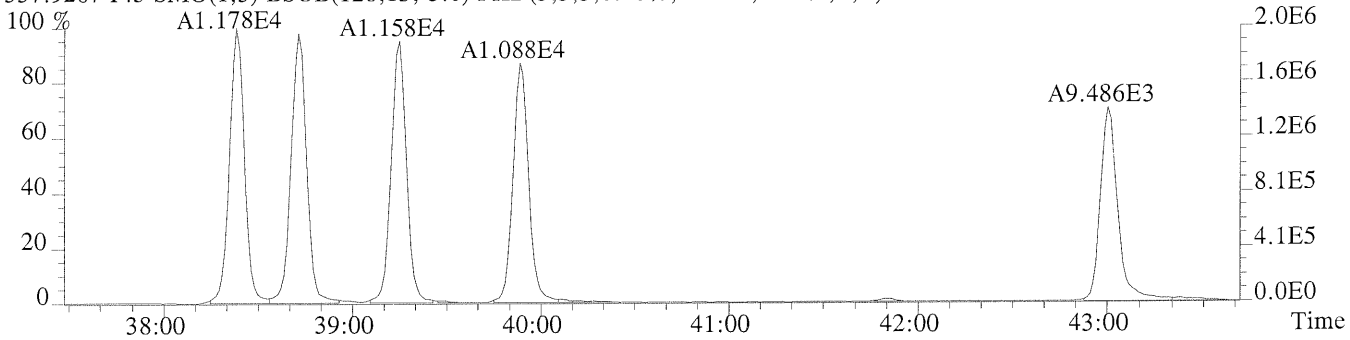
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,800.0,1.00%,F,T)



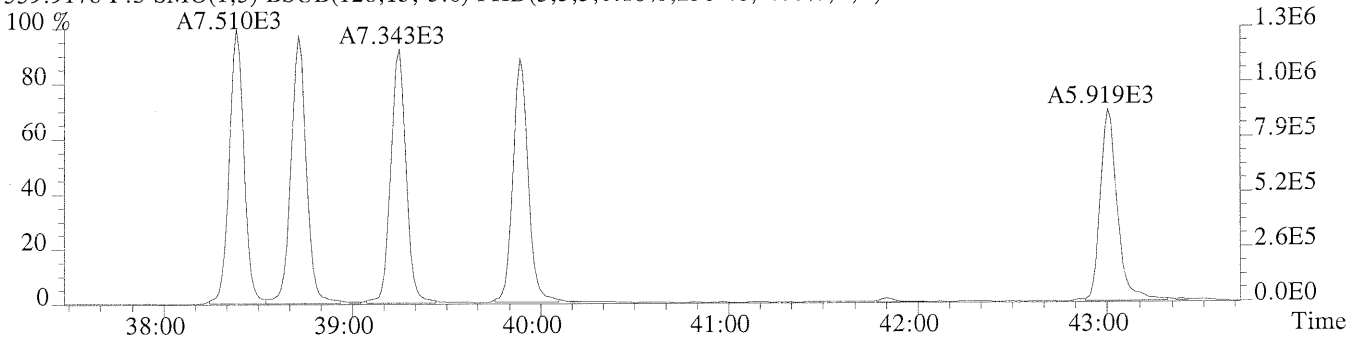
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)



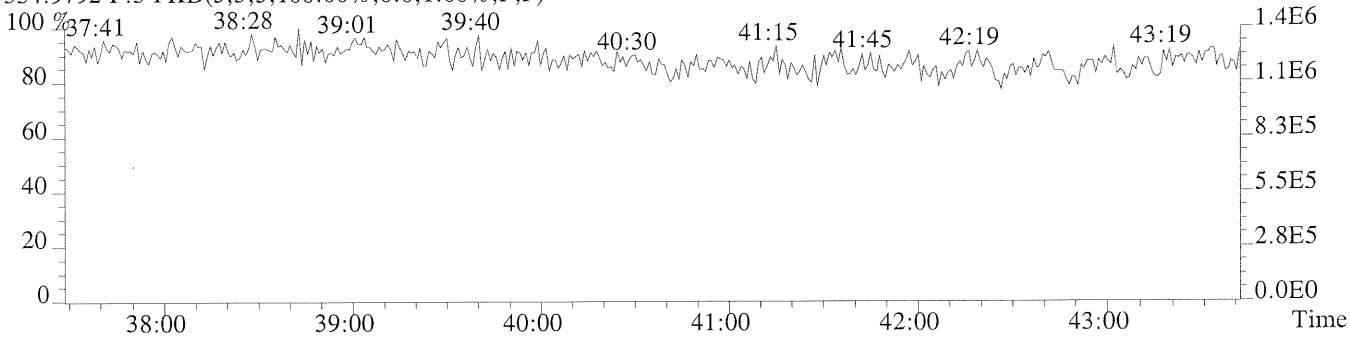
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4320.0,1.00%,F,T)



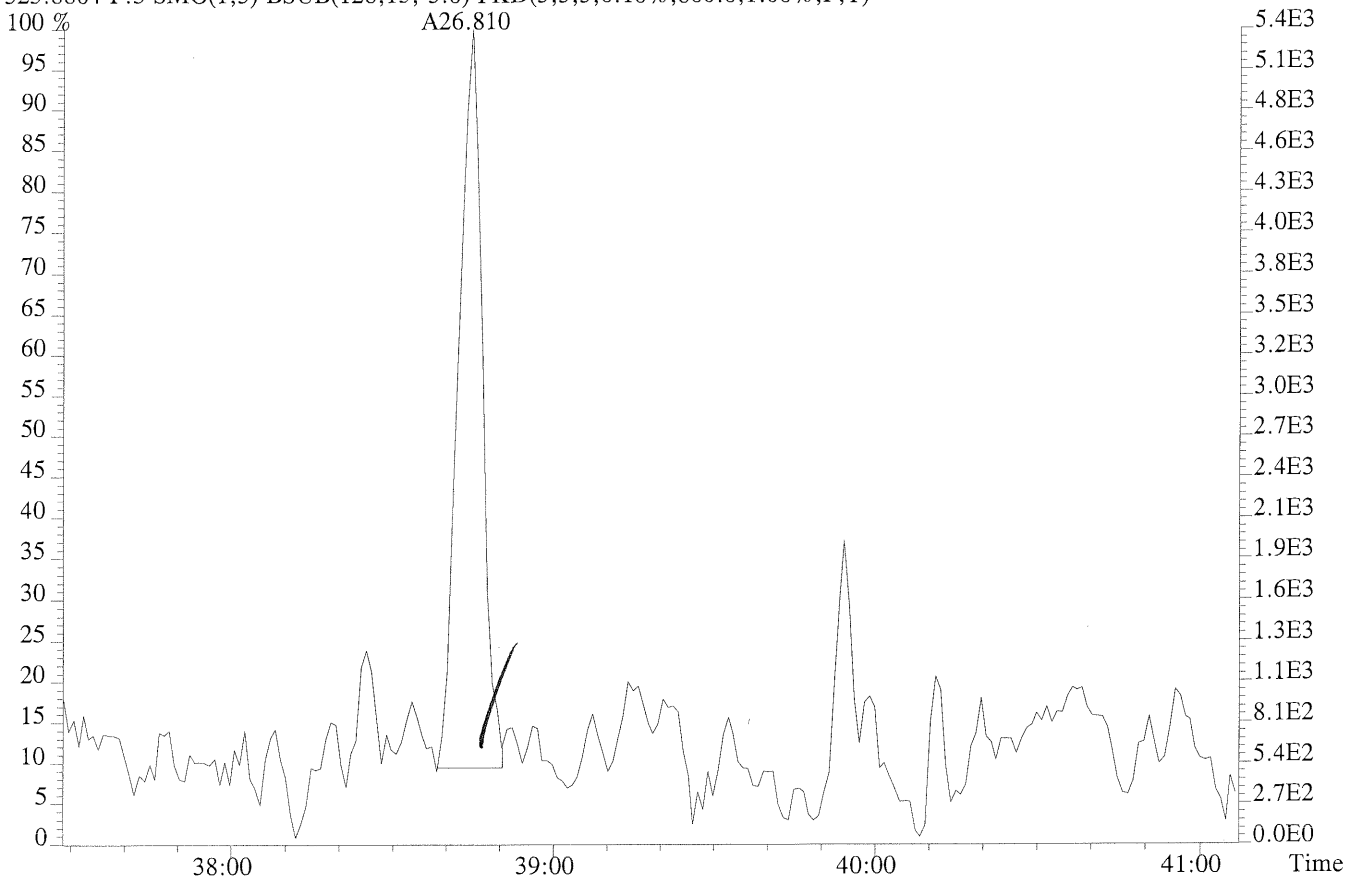
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2364.0,1.00%,F,T)



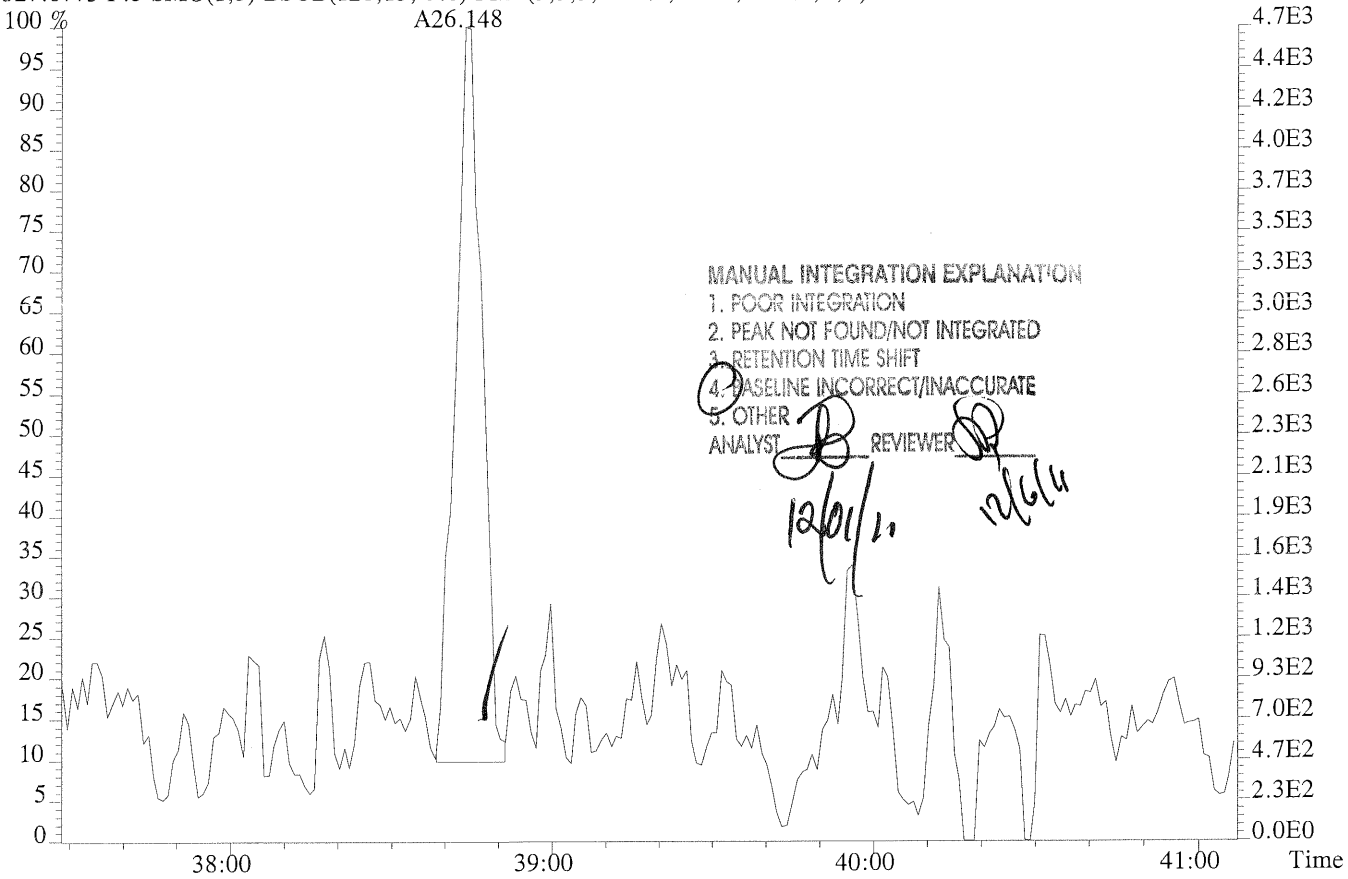
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142160 #1-398 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,800.0,1.00%,F,T)



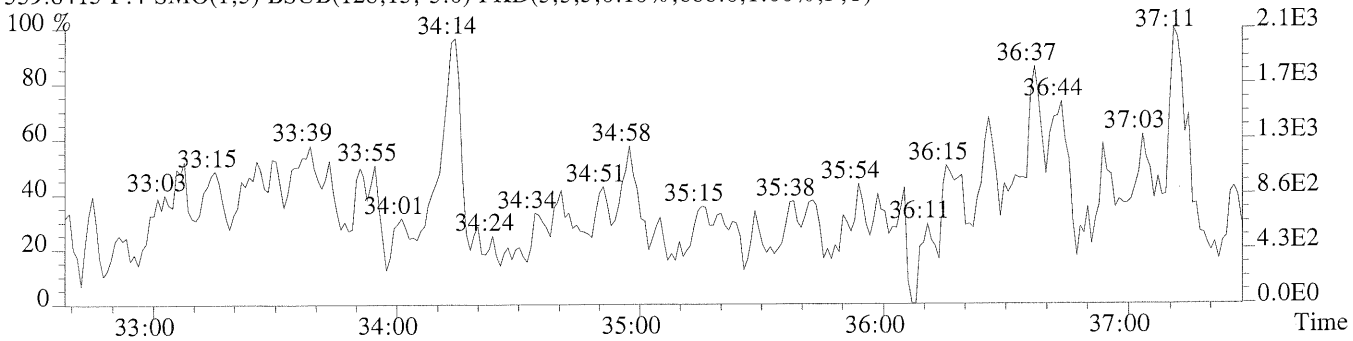
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)



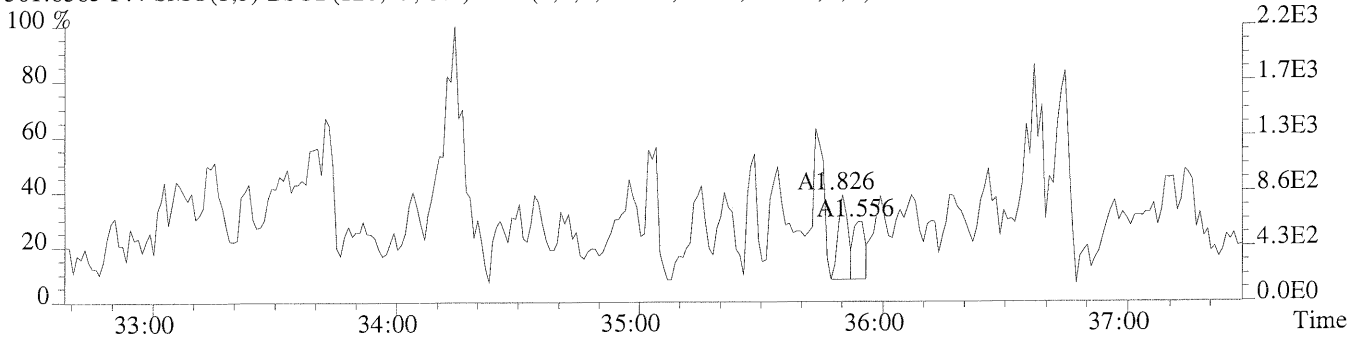
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 12/01/11 REVIEWER 12/6/11

File:U142160 #1-309 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

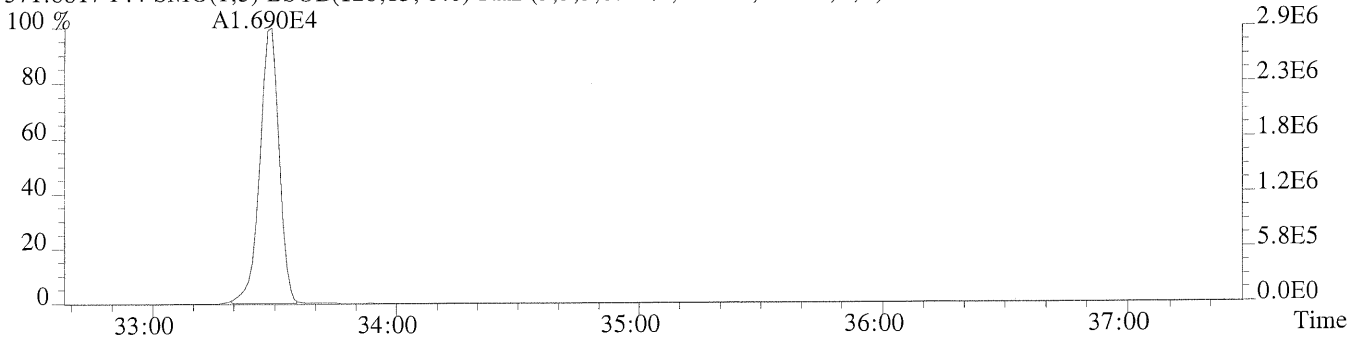
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,888.0,1.00%,F,T)



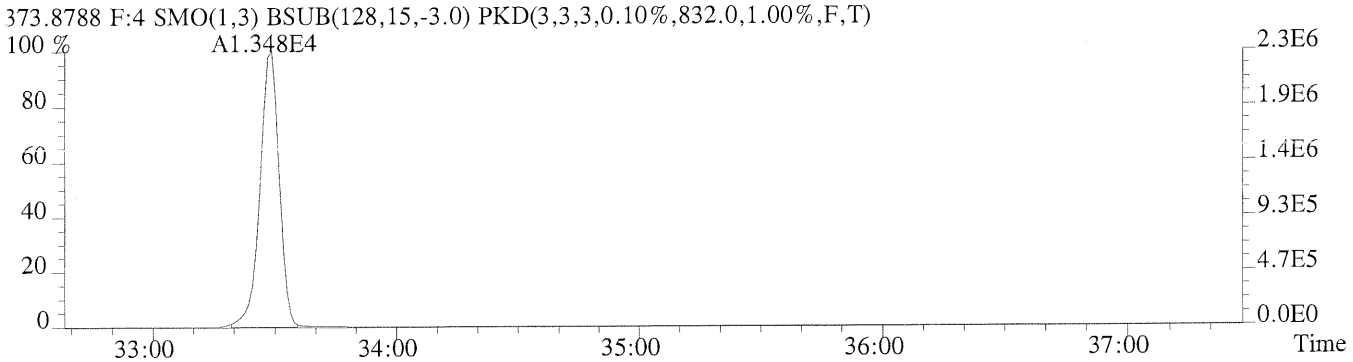
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)



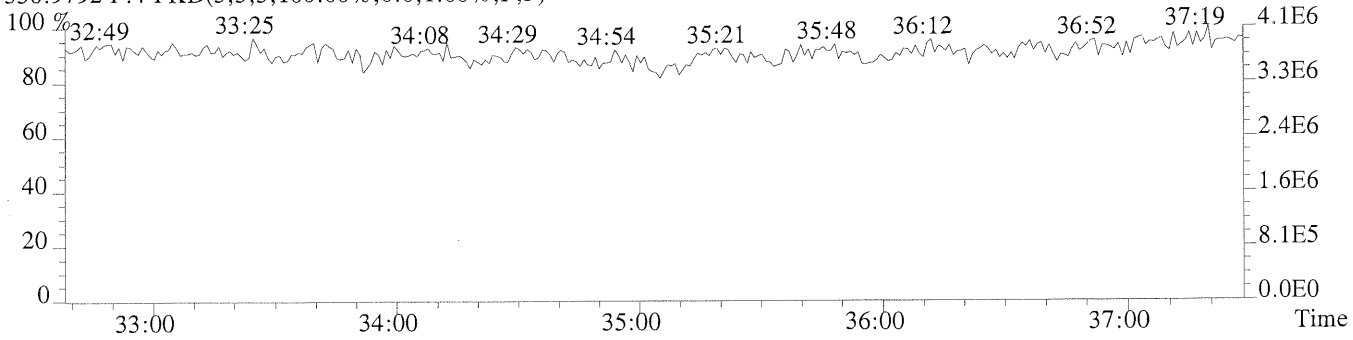
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1144.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,832.0,1.00%,F,T)

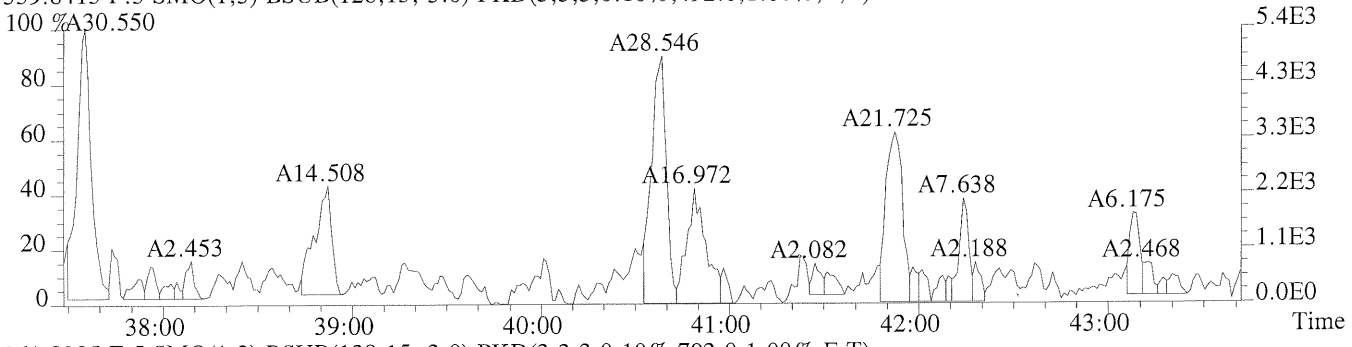


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

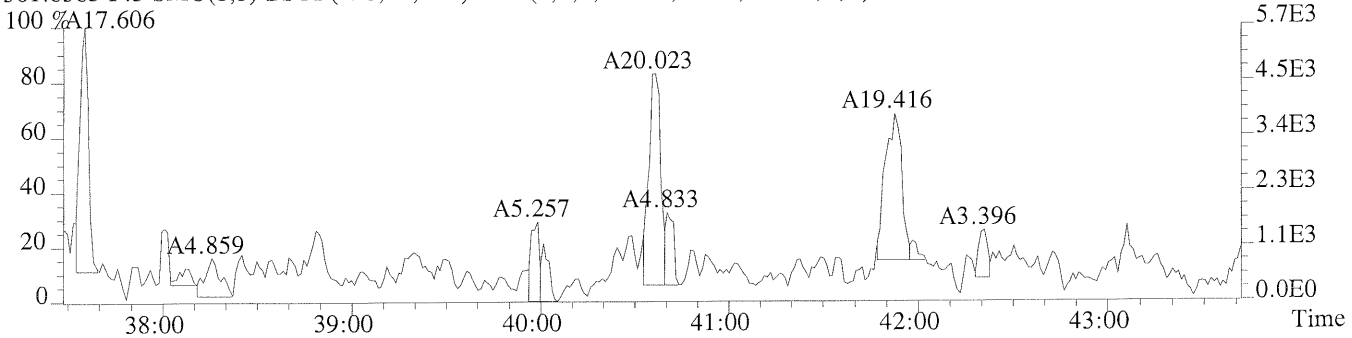


File:U142160 #1-398 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

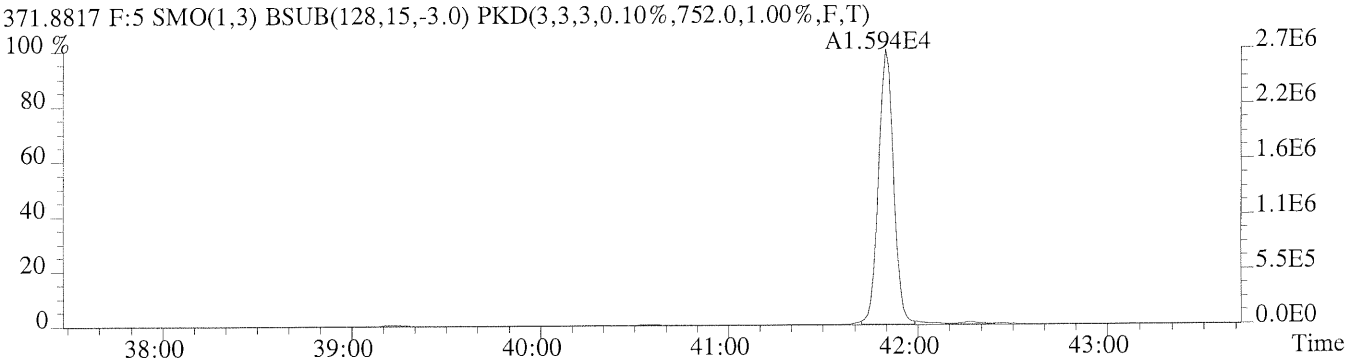
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,492.0,1.00%,F,T)



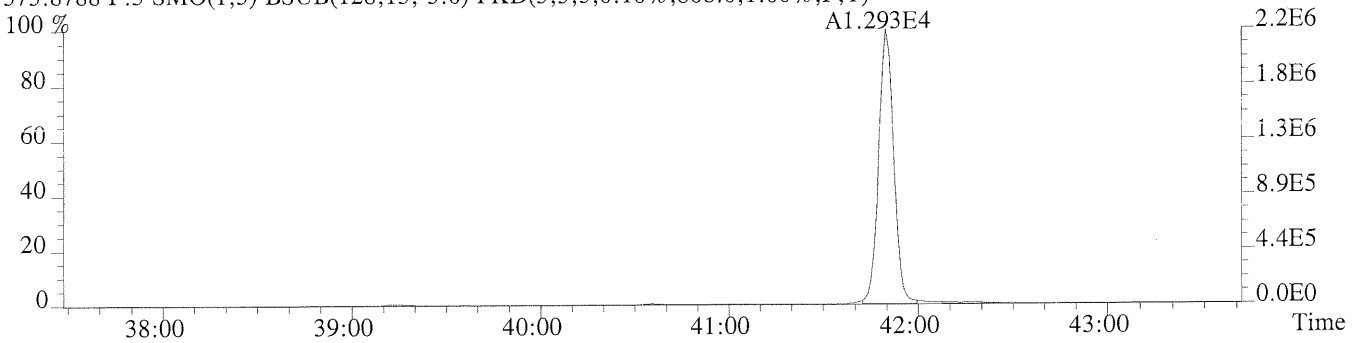
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,792.0,1.00%,F,T)



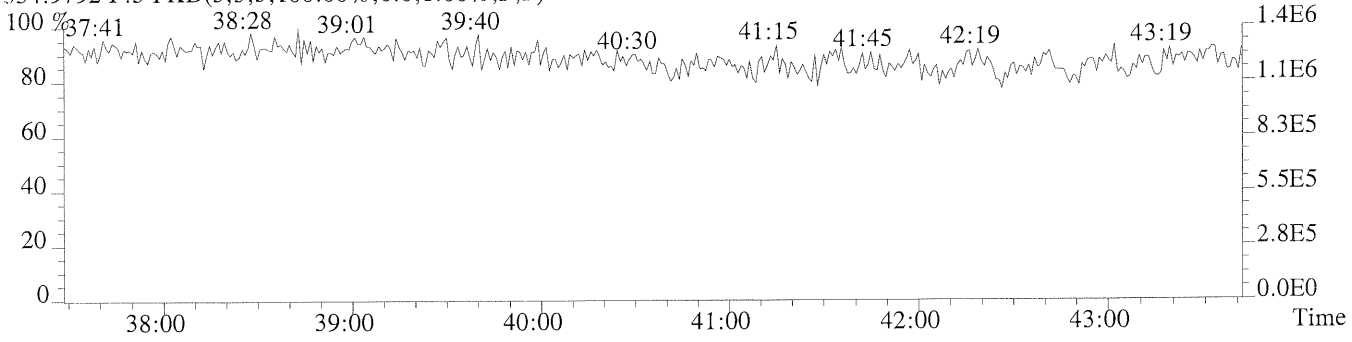
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,752.0,1.00%,F,T)



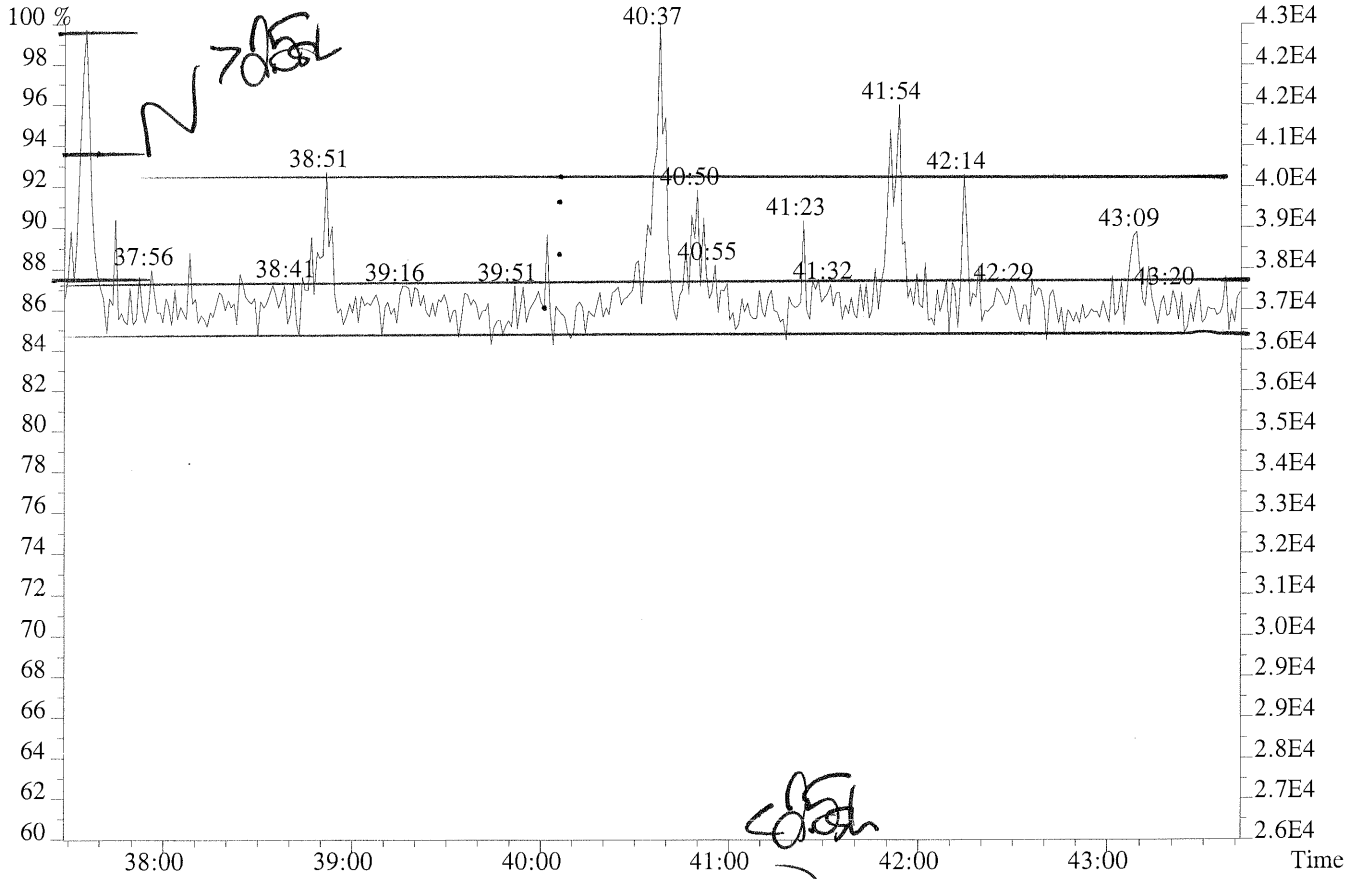
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



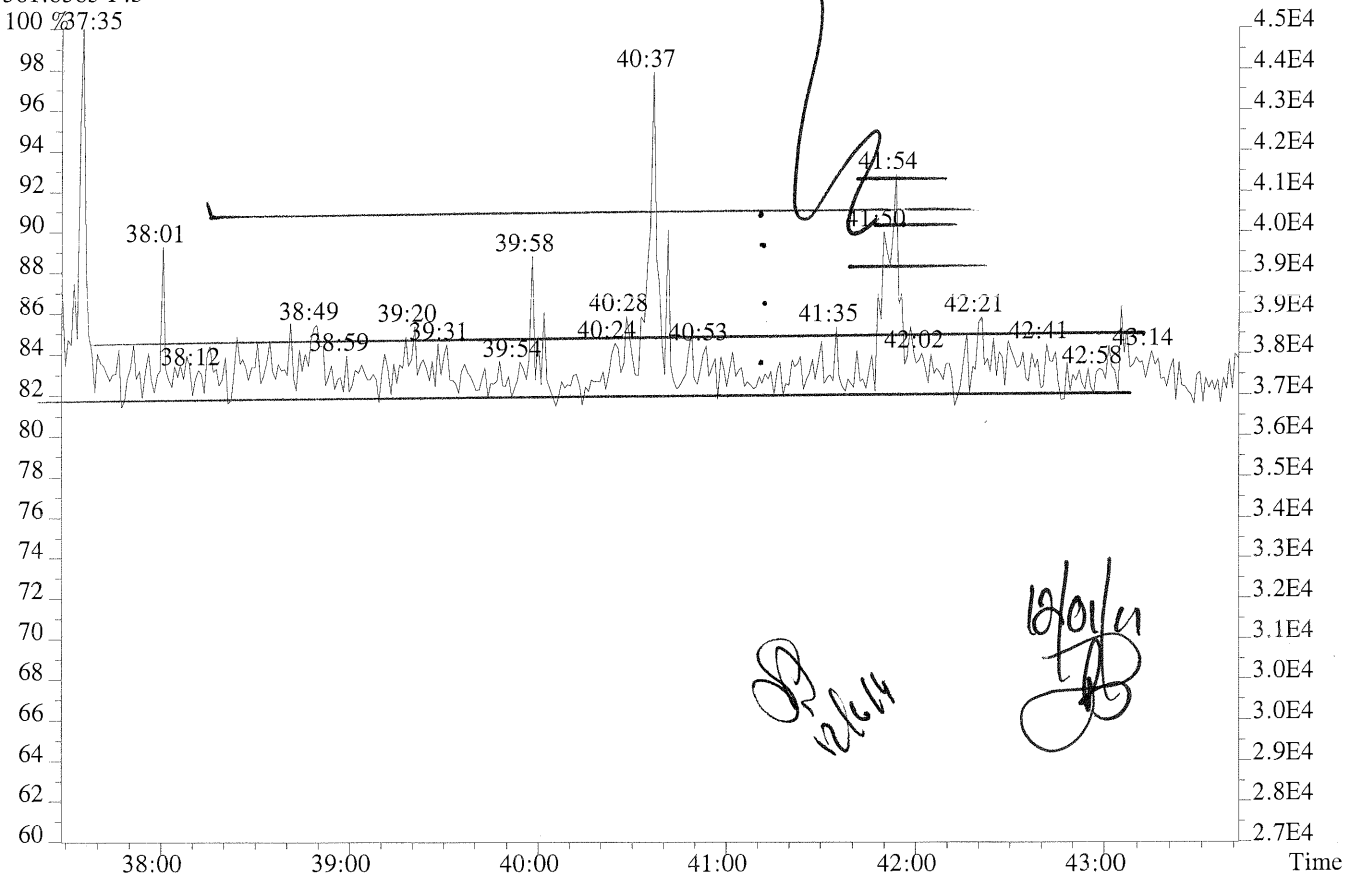
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



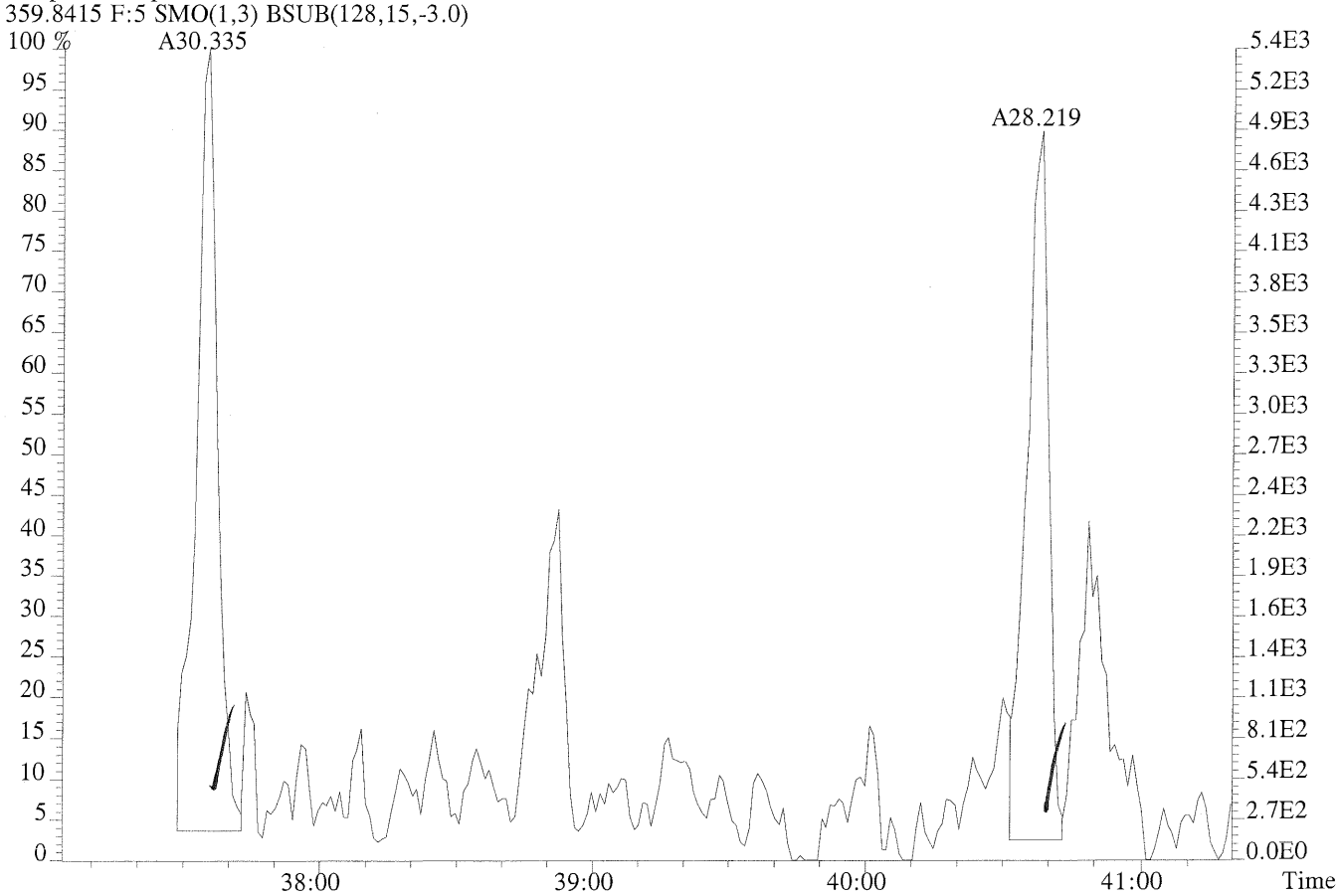
File:U142160 #1-398 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
359.8415 F:5



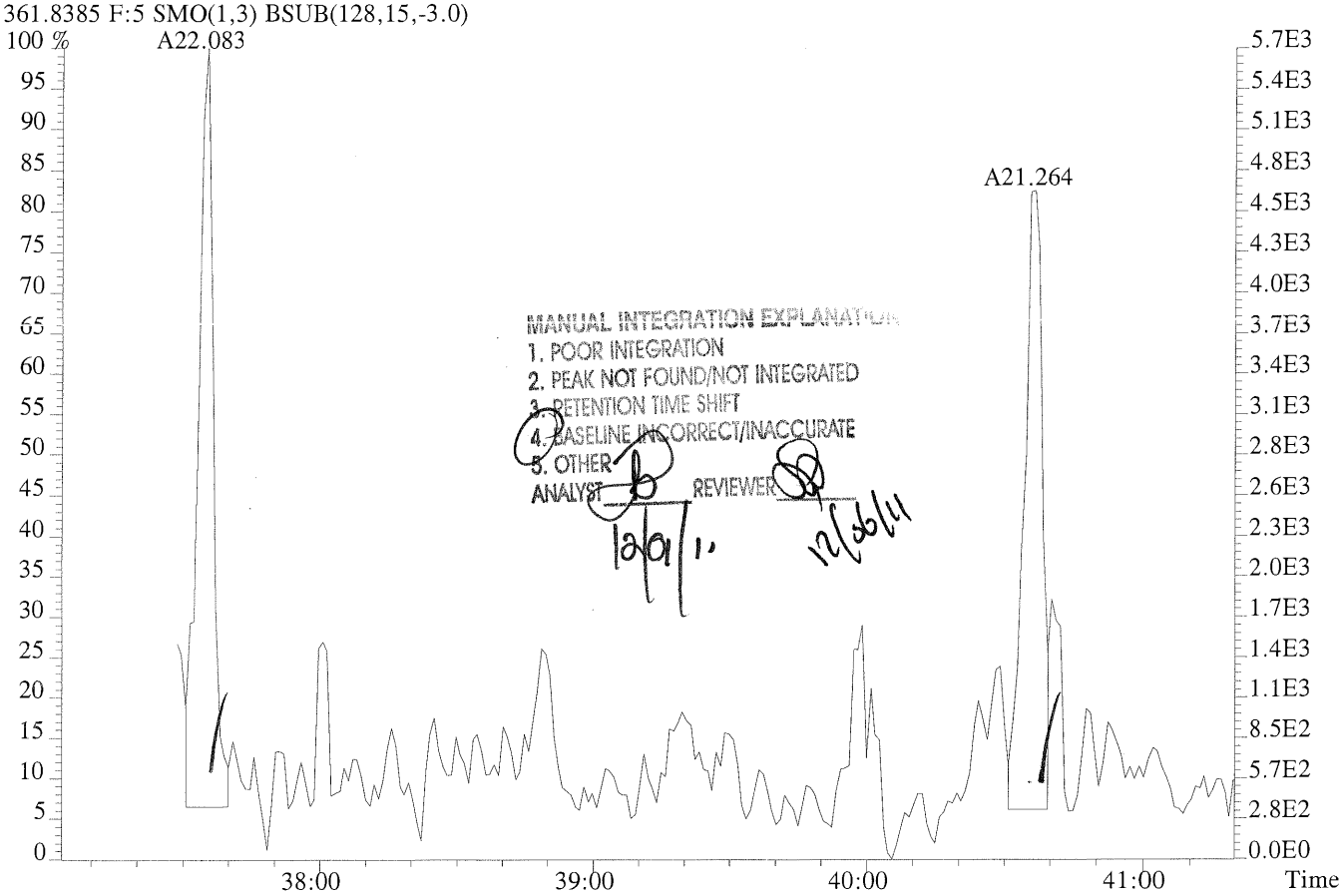
361.8385 F:5



File:U142160 #1-398 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0)



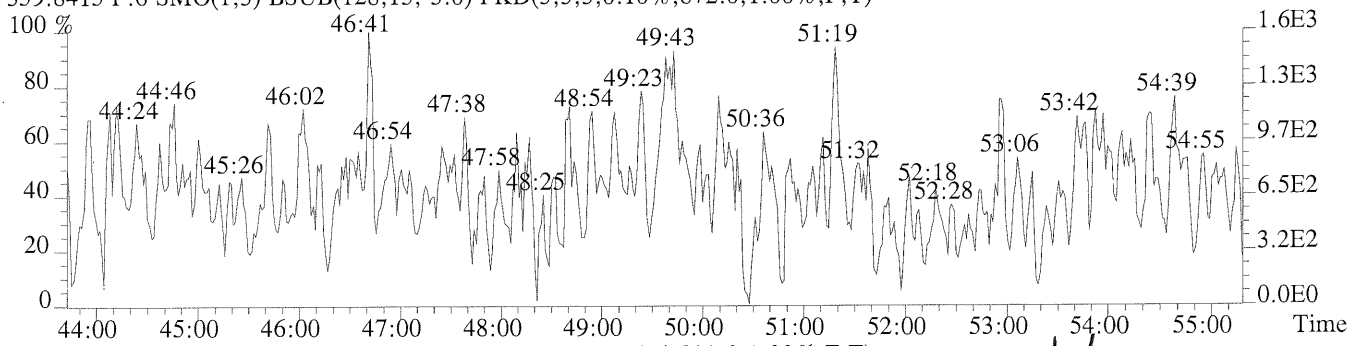
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0)



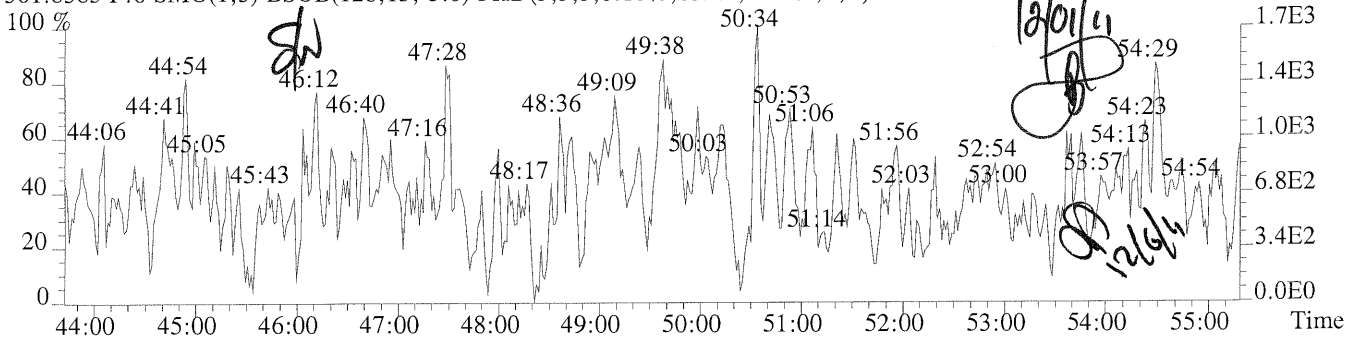
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 12/01/11 REVIEWER 12/06/11

File:U142160 #1-575 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

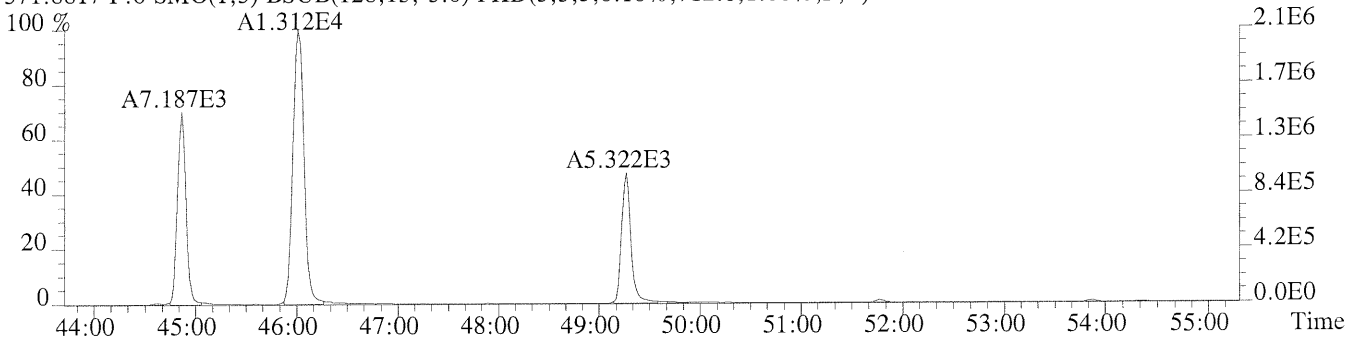
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



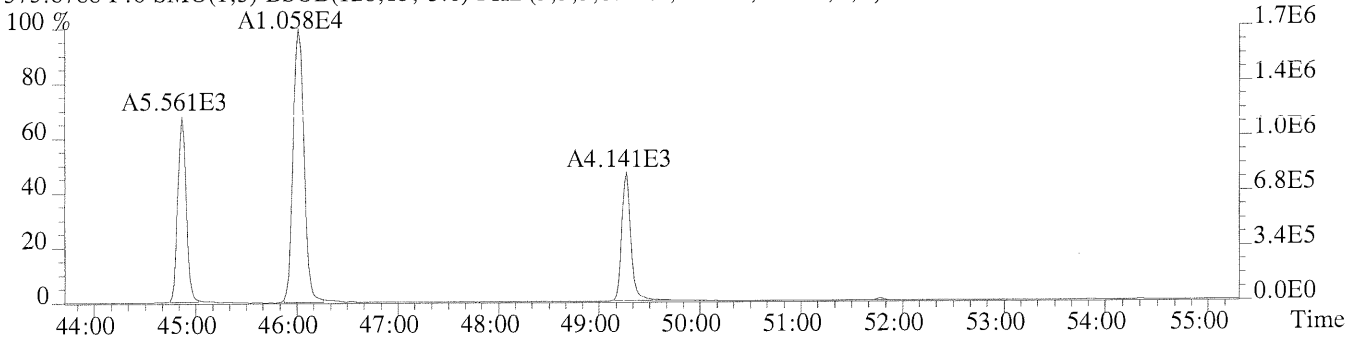
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,832.0,1.00%,F,T)



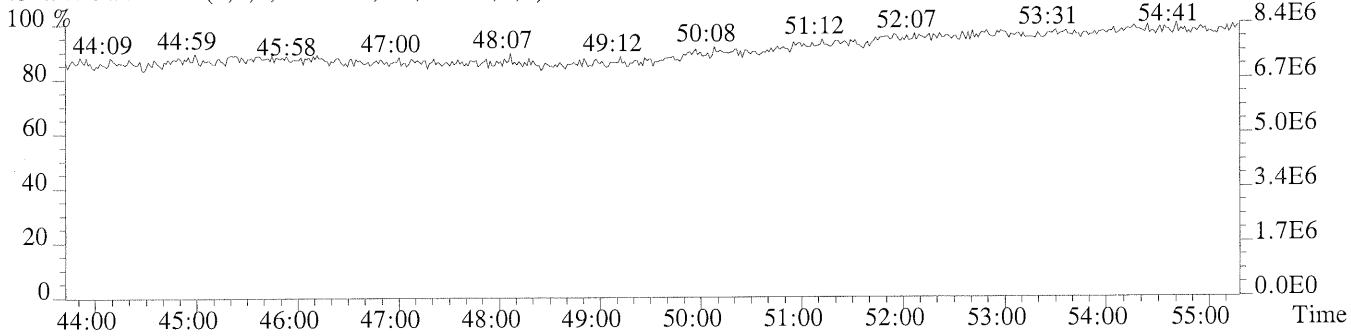
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,712.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4964.0,1.00%,F,T)

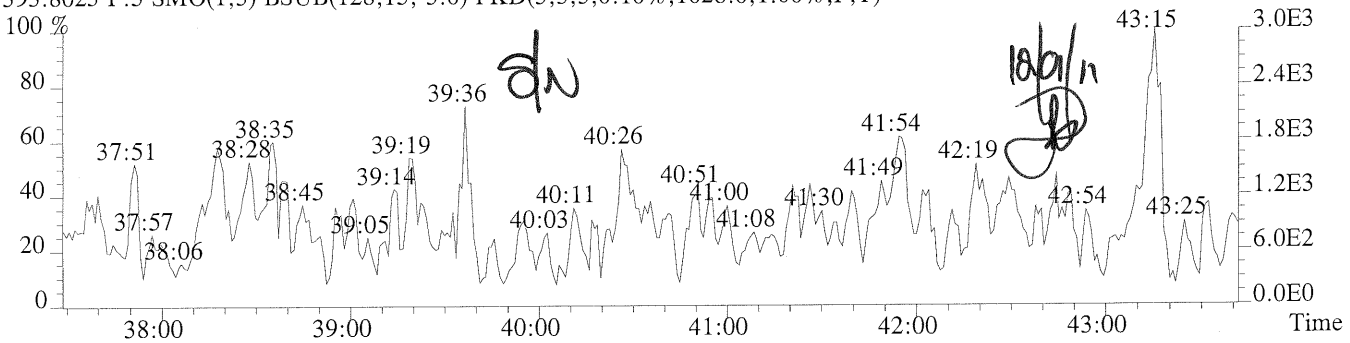


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

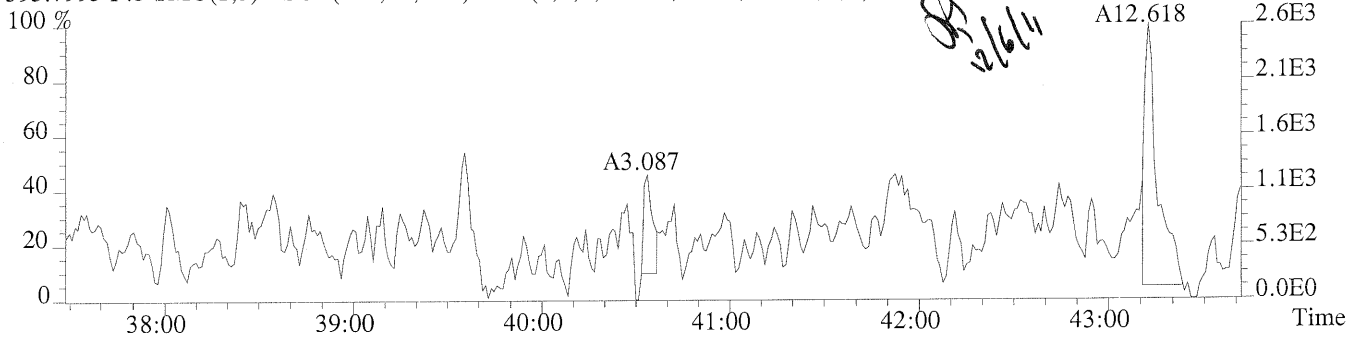


File:U142160 #1-398 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

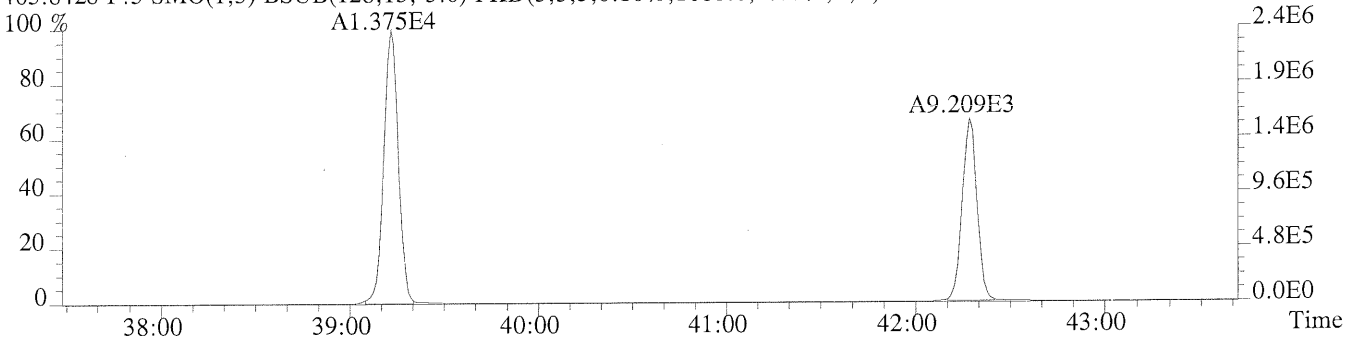
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1028.0,1.00%,F,T)



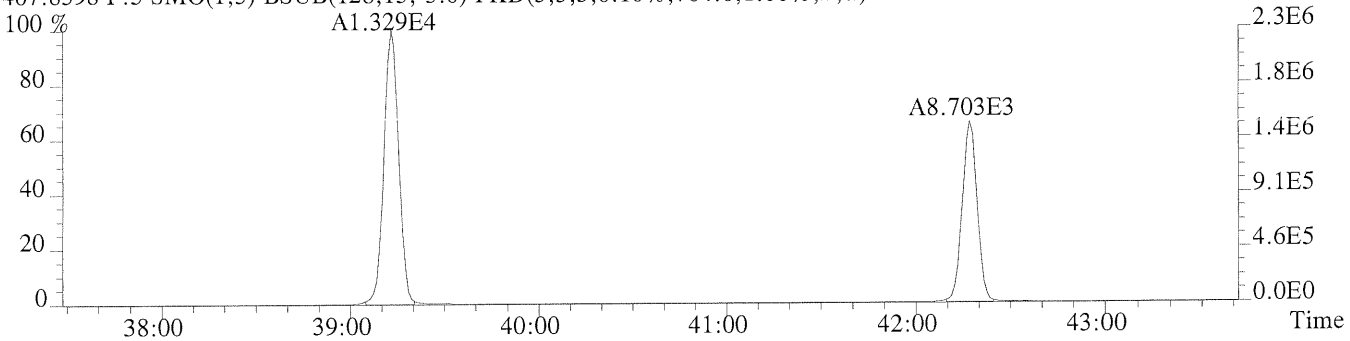
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,752.0,1.00%,F,T)



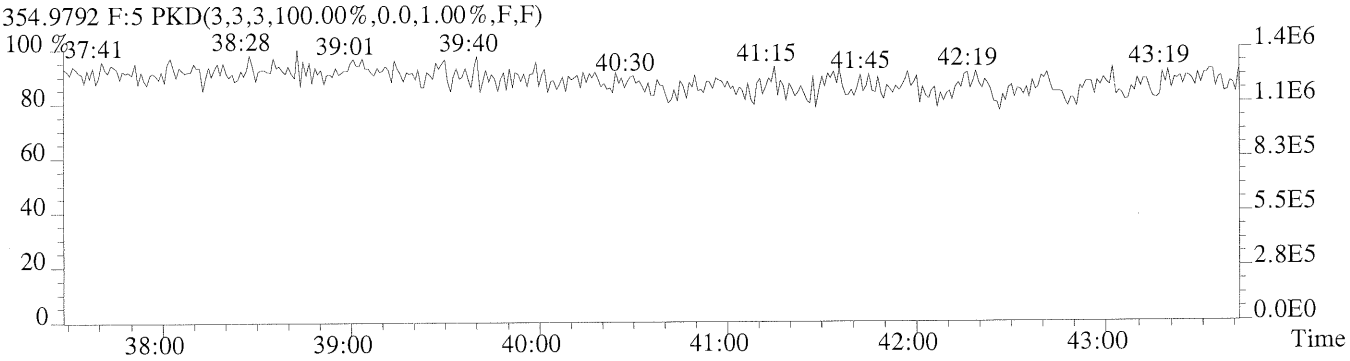
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,704.0,1.00%,F,T)



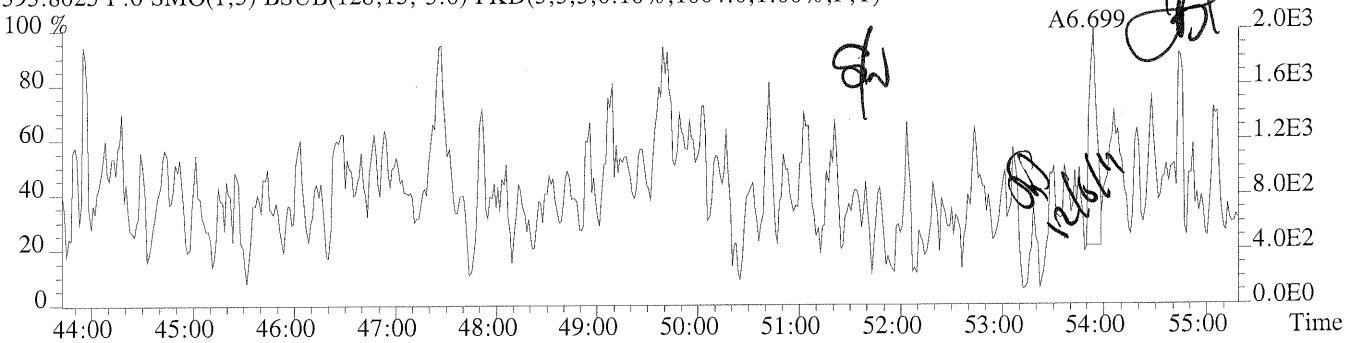
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



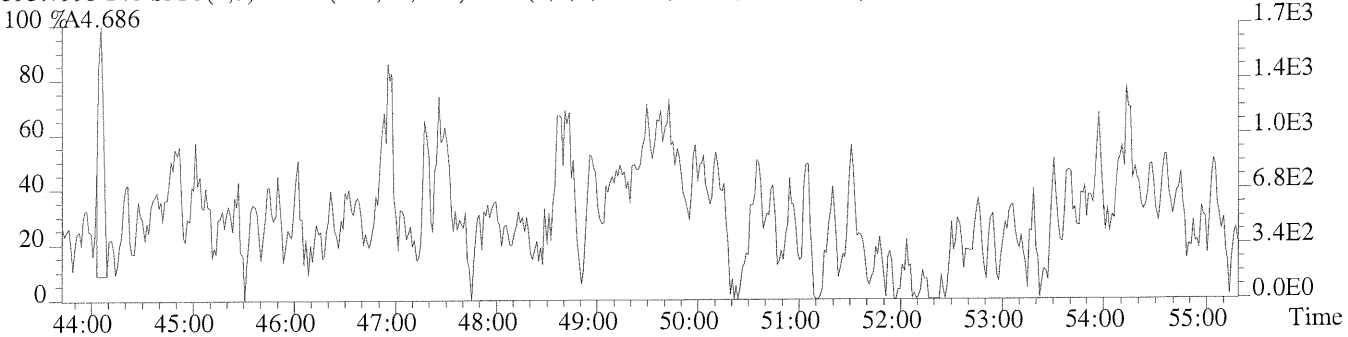
File:U142160 #1-575 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

12/01/11

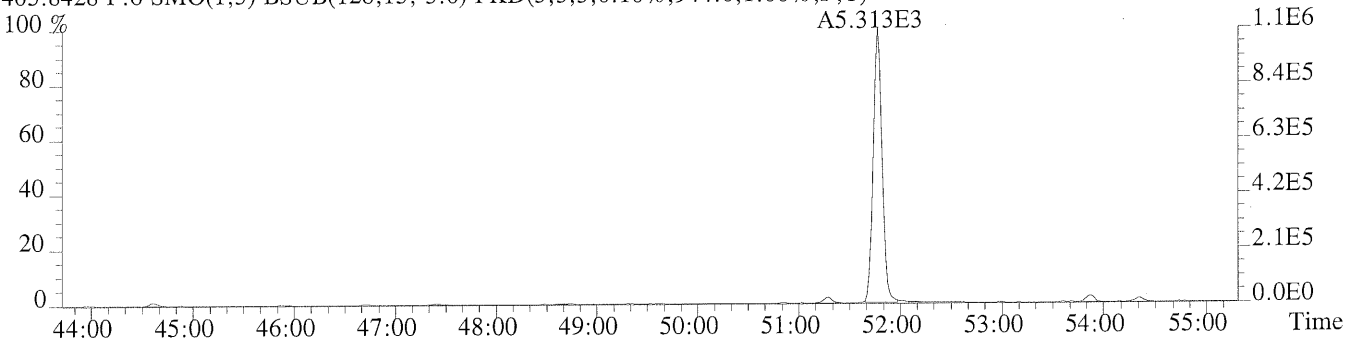
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)



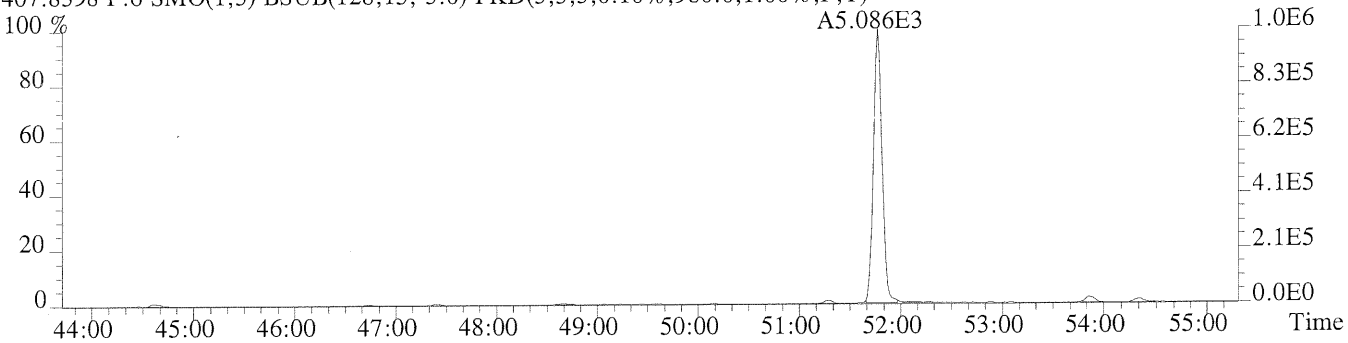
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,620.0,1.00%,F,T)



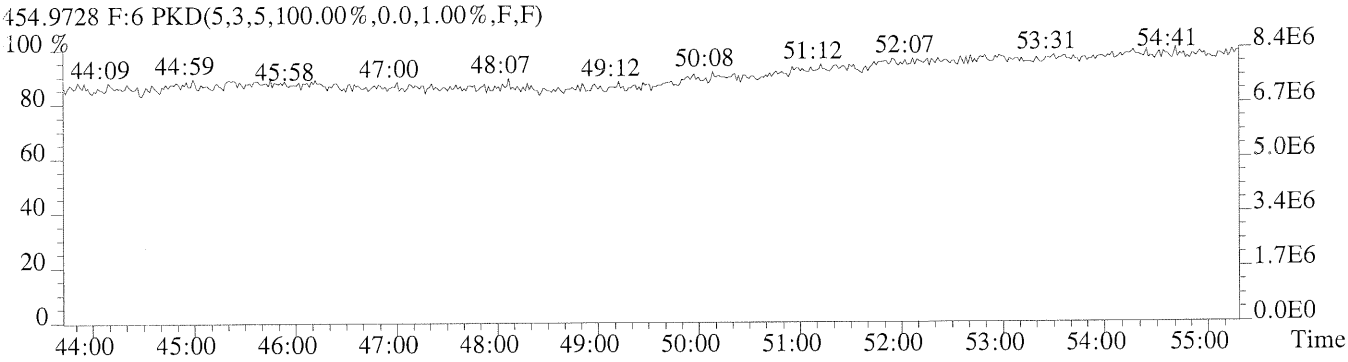
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,980.0,1.00%,F,T)

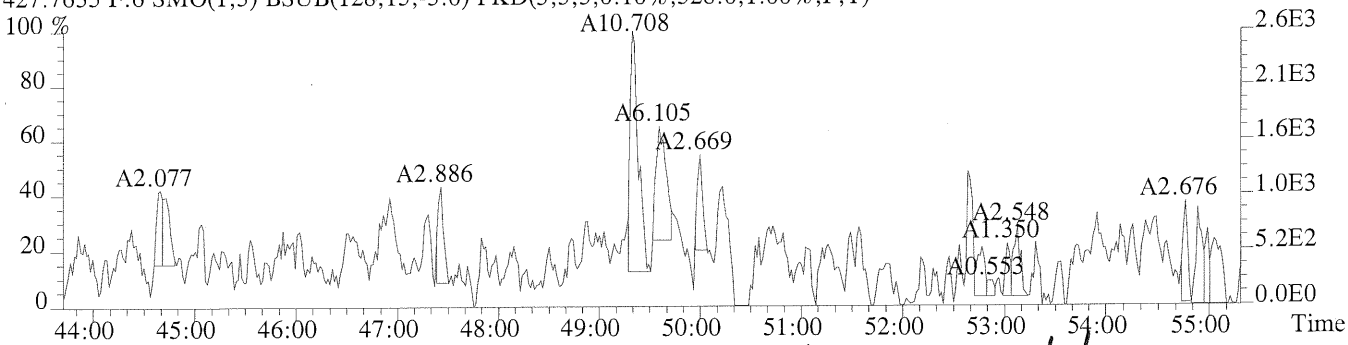


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

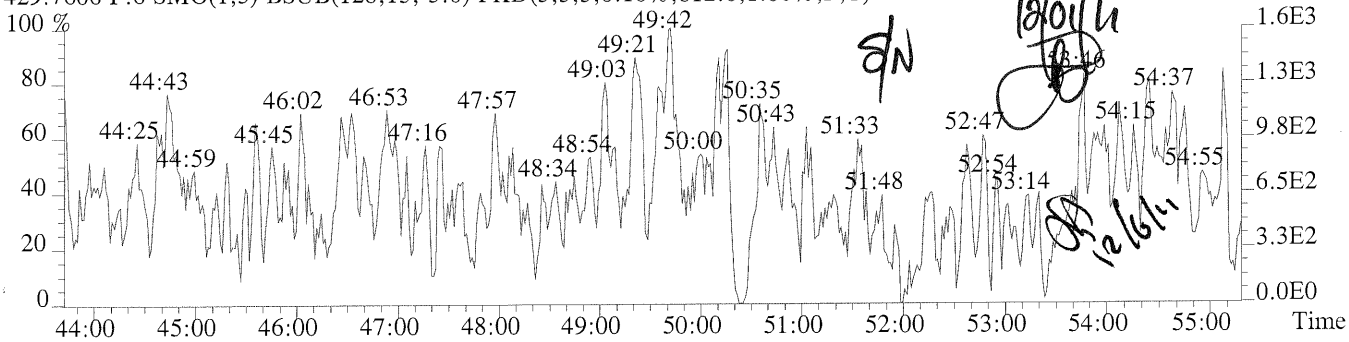


File:U142160 #1-575 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

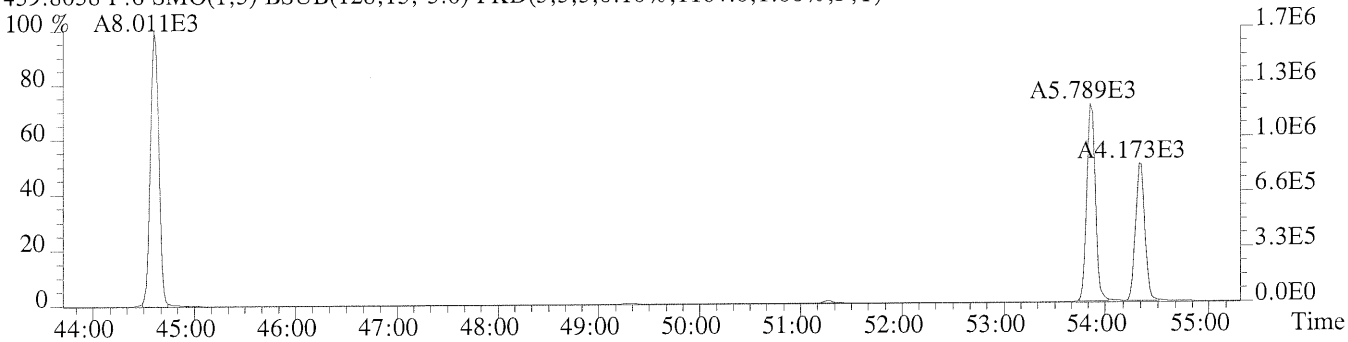
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,528.0,1.00%,F,T)



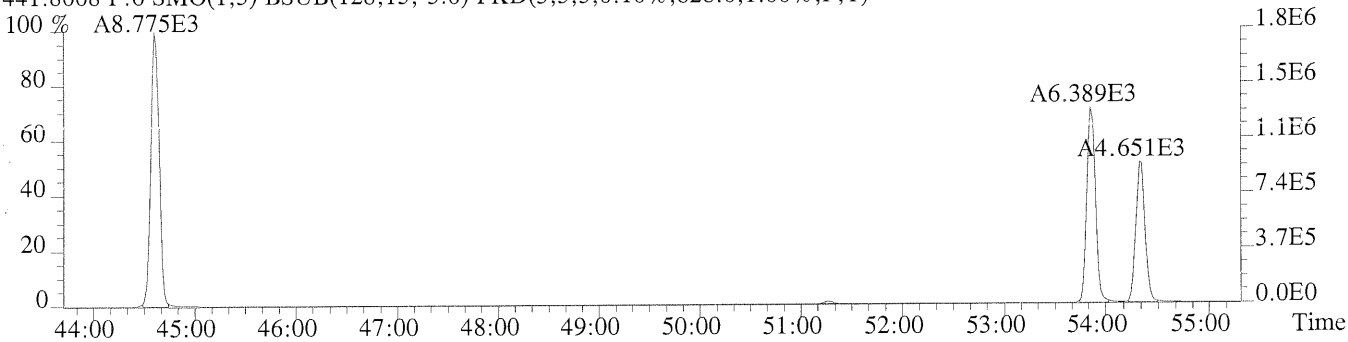
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)



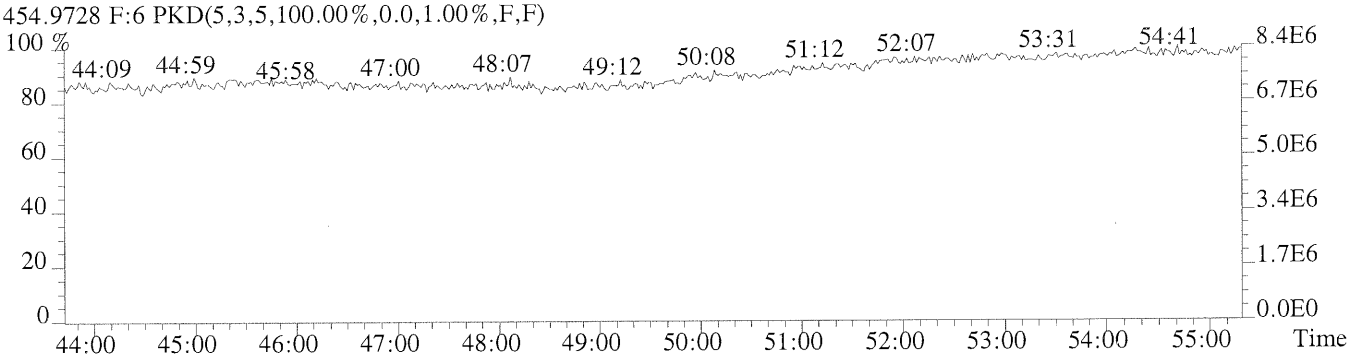
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1164.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,828.0,1.00%,F,T)

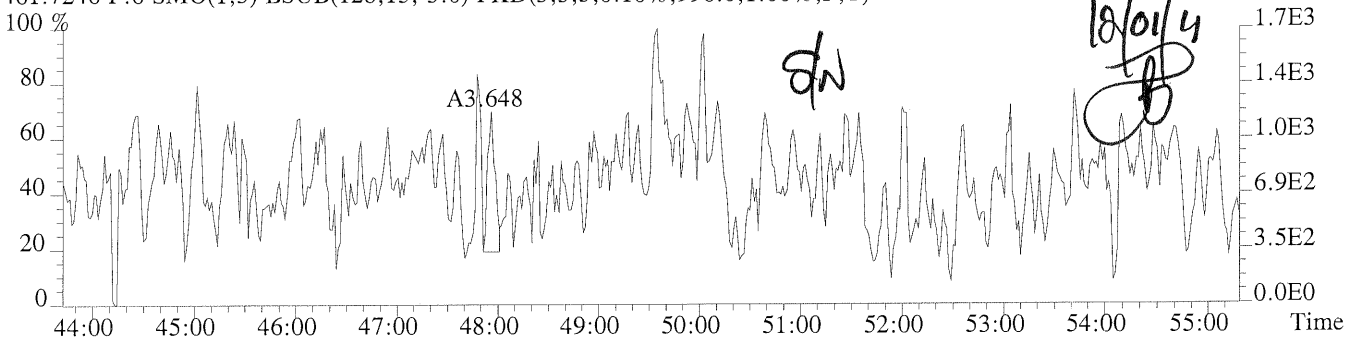


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

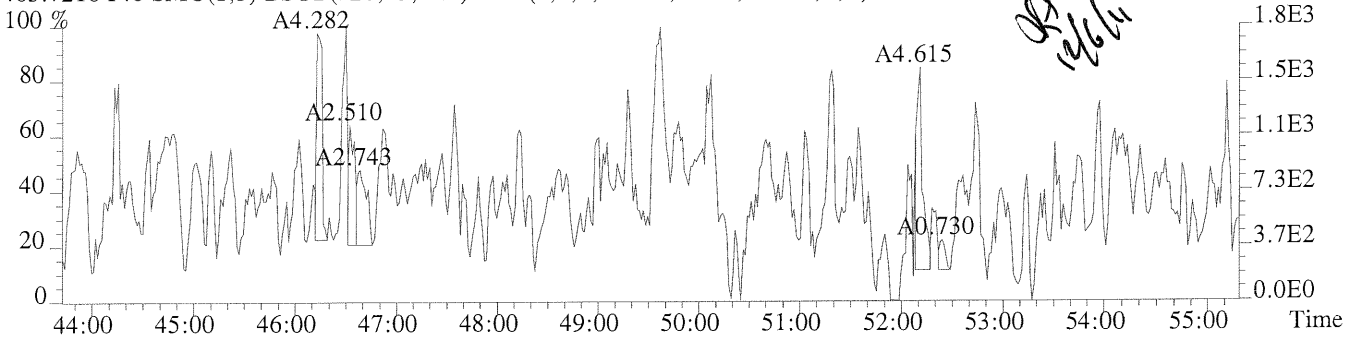


File:U142160 #1-575 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

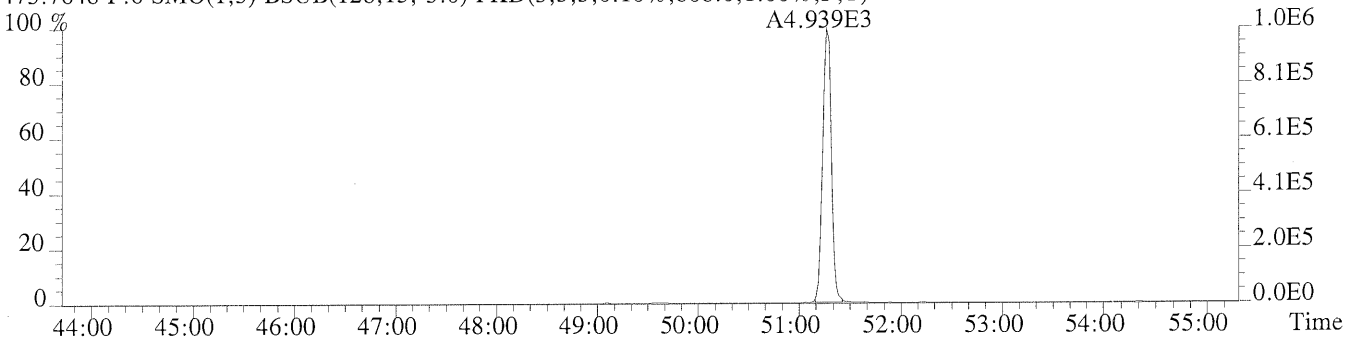
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)



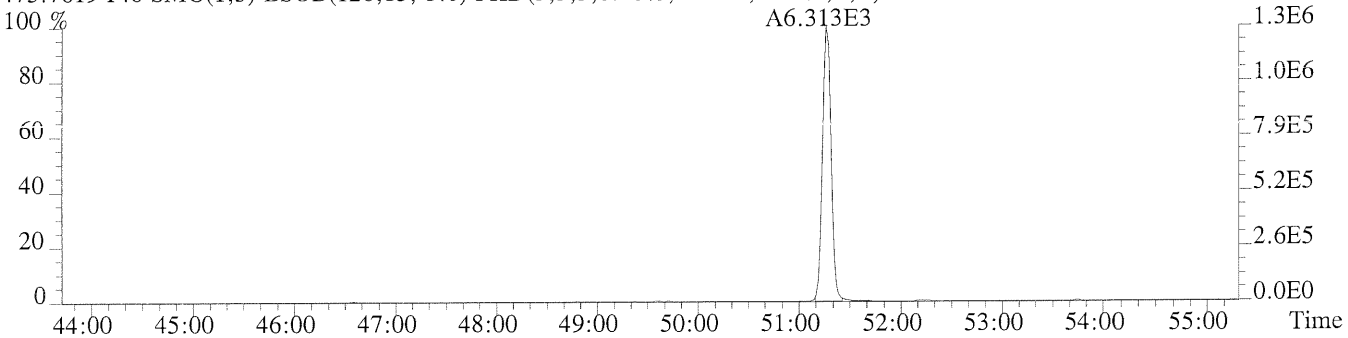
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)



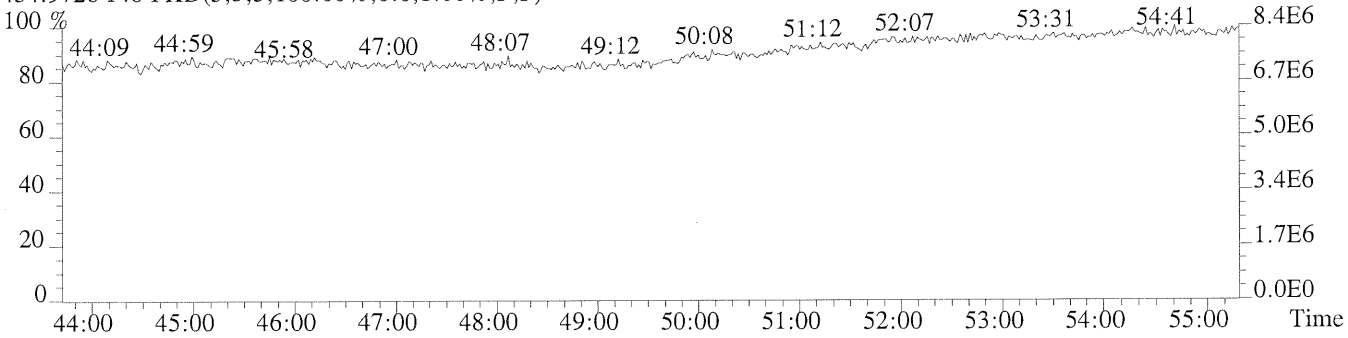
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,808.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1280.0,1.00%,F,T)

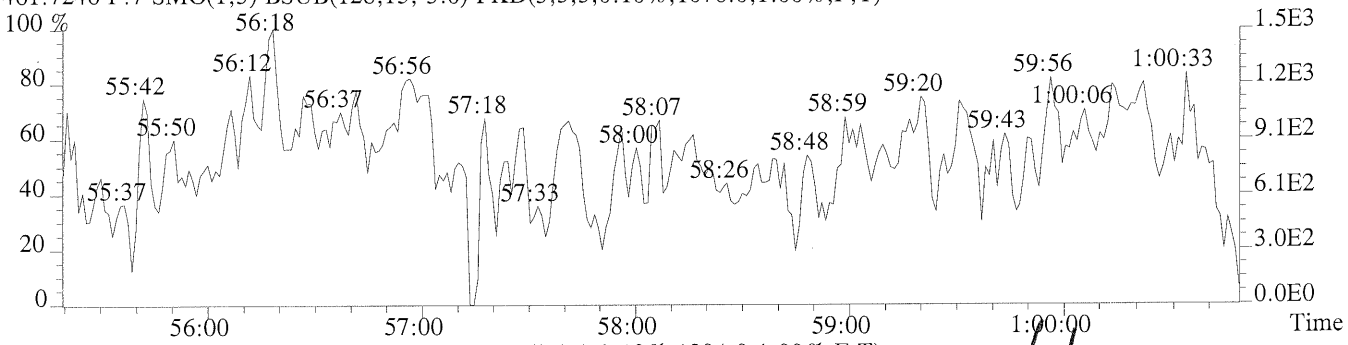


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

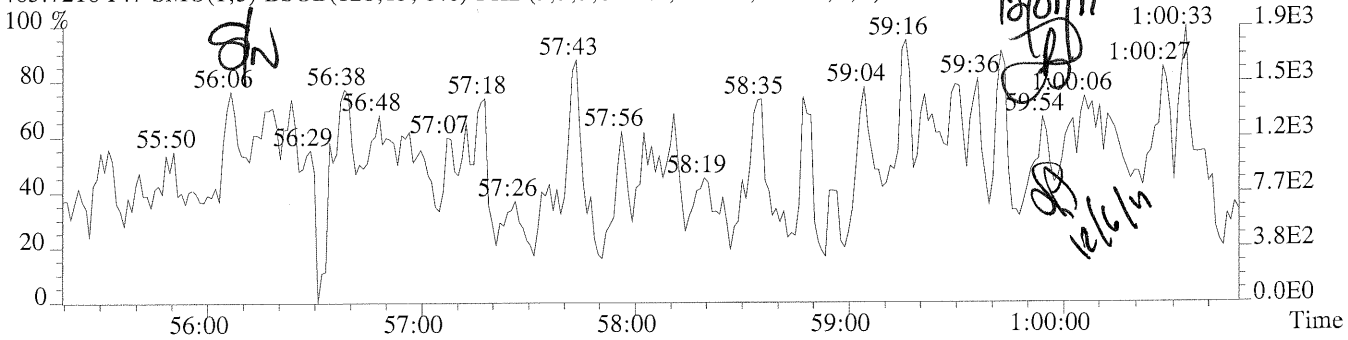


File:U142160 #1-310 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

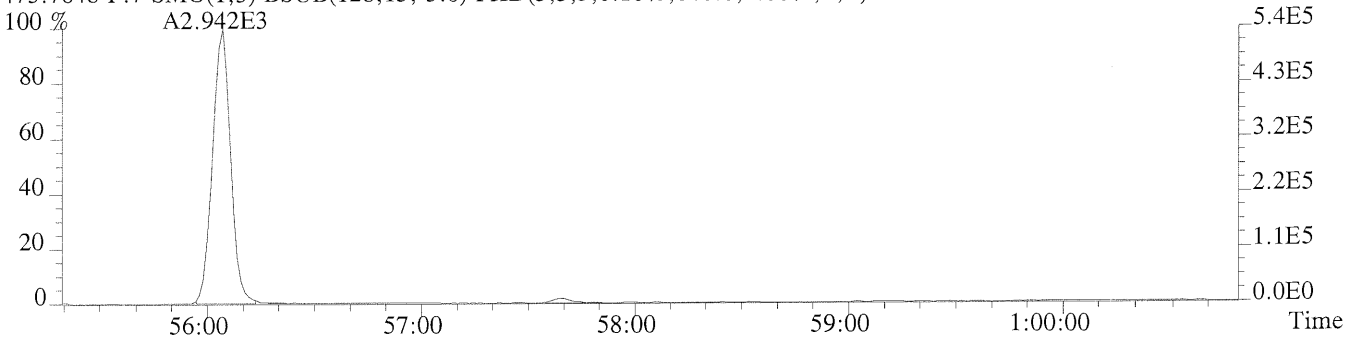
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1076.0,1.00%,F,T)



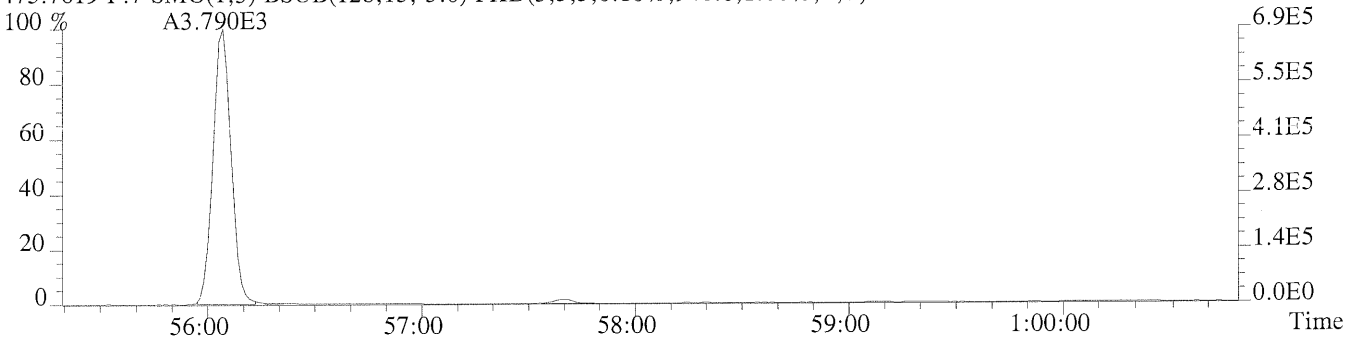
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1204.0,1.00%,F,T)



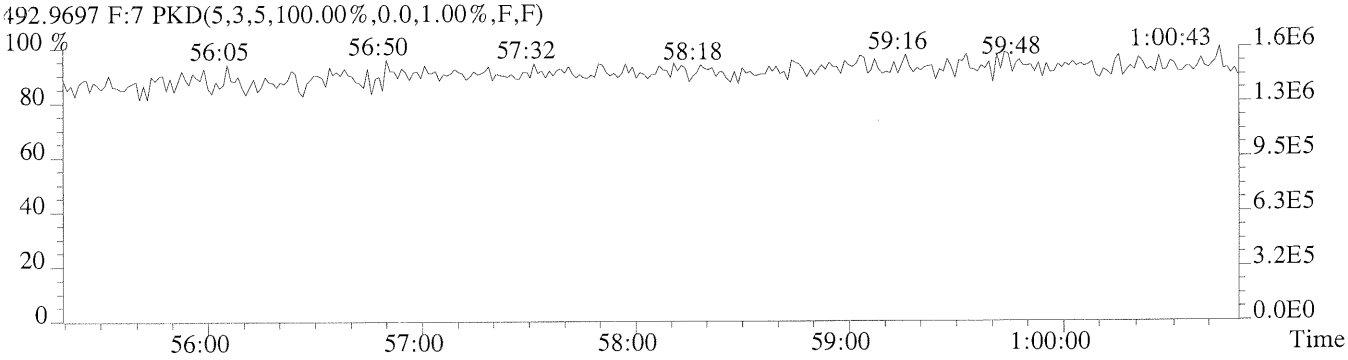
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,840.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,948.0,1.00%,F,T)

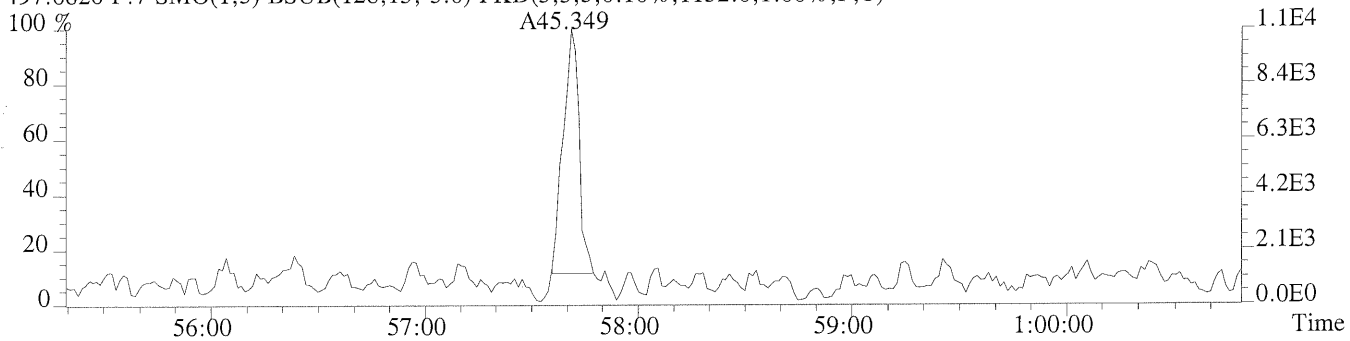


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

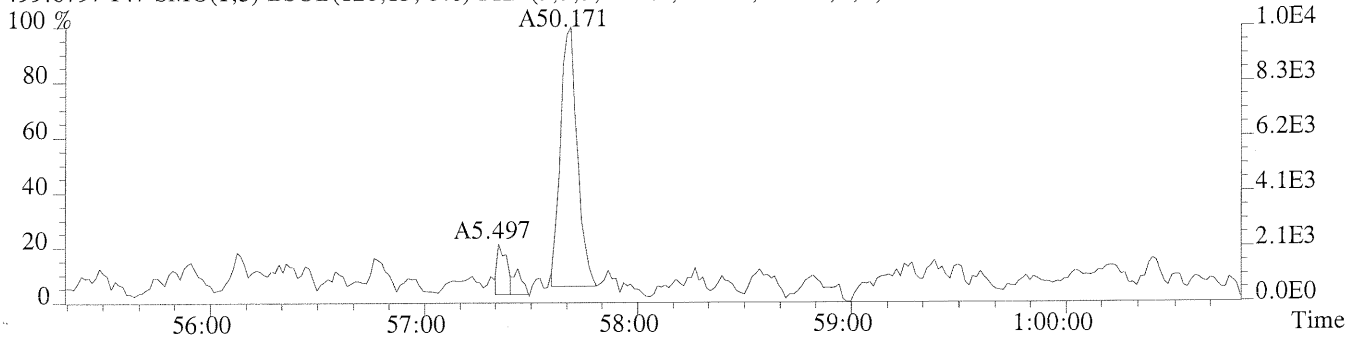


File:U142160 #1-310 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U

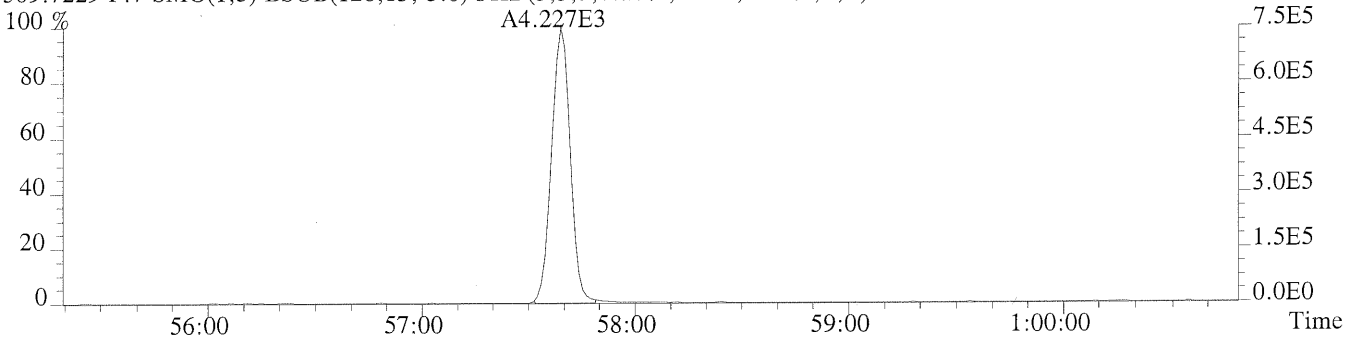
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1152.0,1.00%,F,T)



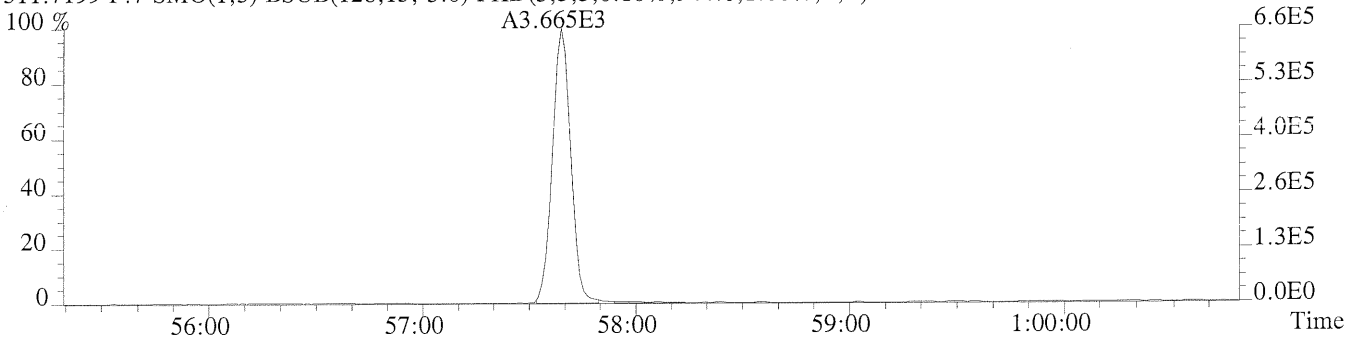
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)



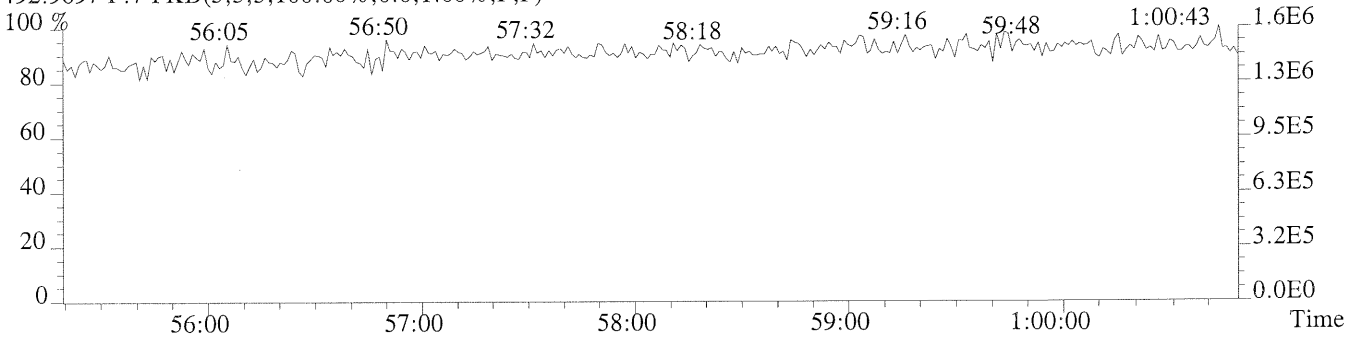
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,644.0,1.00%,F,T)



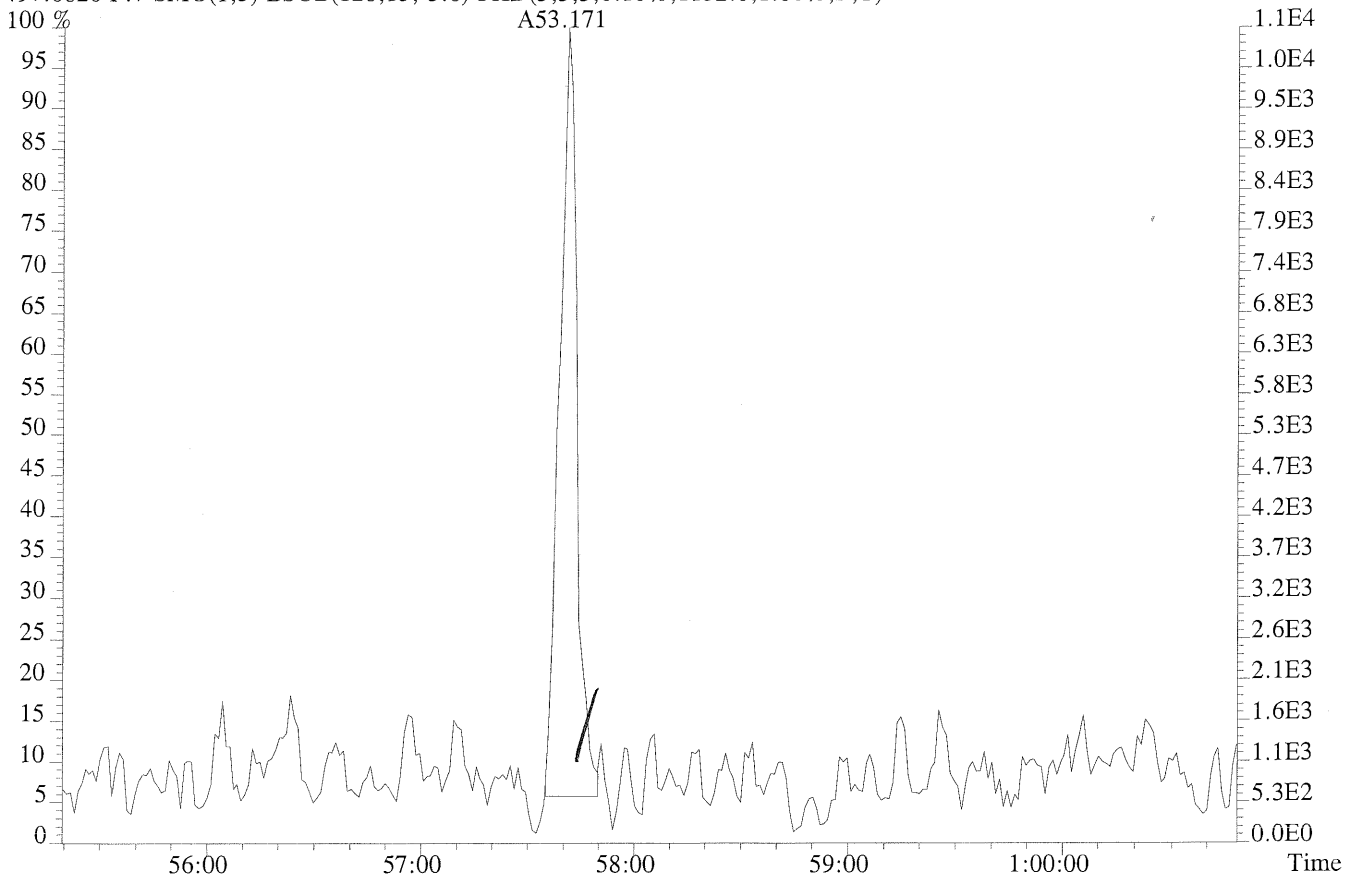
511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



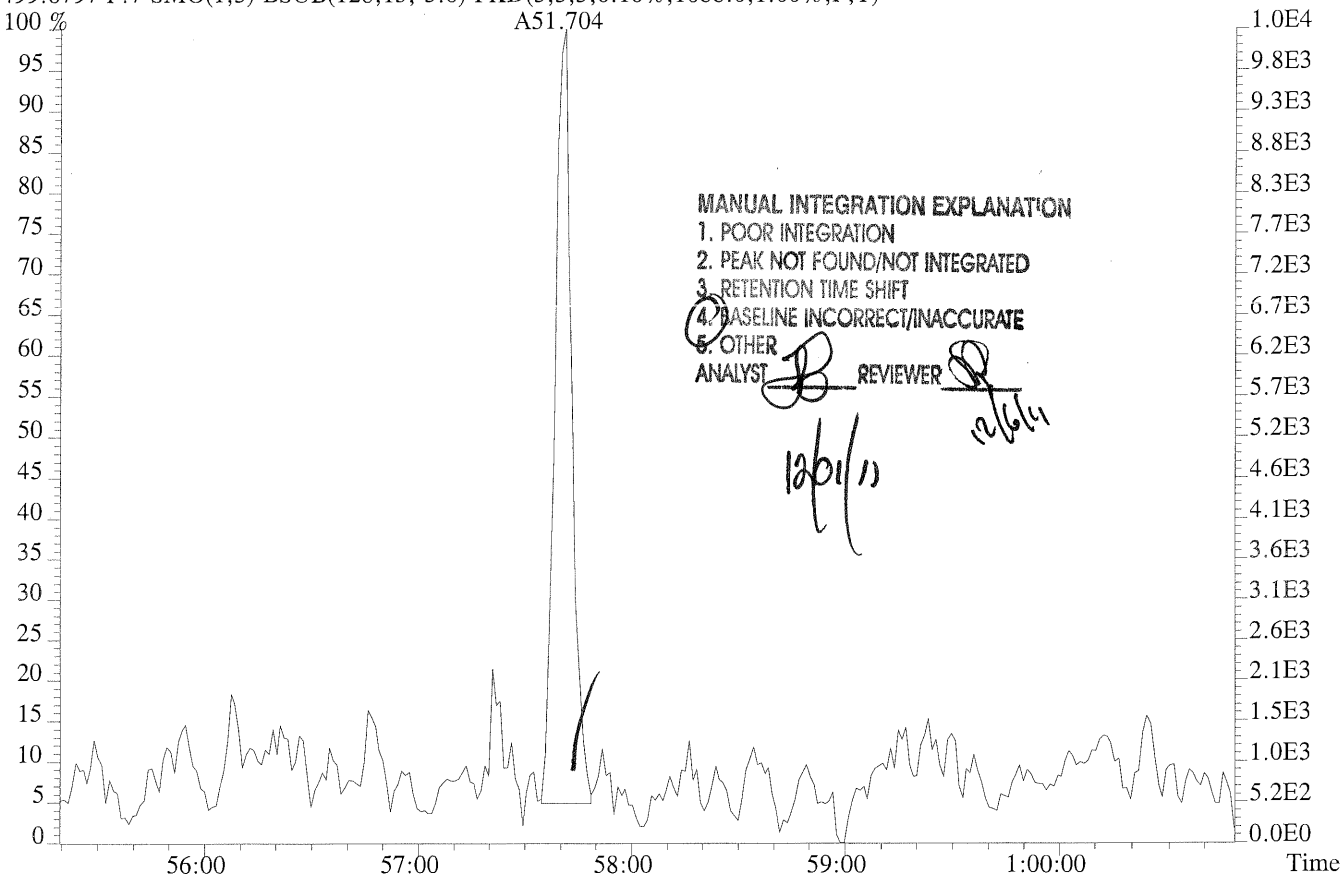
492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



File:U142160 #1-310 Acq:22-NOV-2011 14:14:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-006 KC91-152U
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1152.0,1.00%,F,T)



499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)



MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST REVIEWER
12/01/11

Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
RINSATE

Run #13 Filename U142169 Samp: 1 Inj: 1 Acquired: 23-NOV-11 12:20:57
Processed: 6-DEC-11 16:29:33 Sample ID: E1101076-007

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.071
2	1	PCB-2	NotFnd	*	*	*	n	n	1.009
3	1	PCB-3	NotFnd	*	*	*	n	y	1.036
4	1	PCB-4	NotFnd	*	*	*	n	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	2.038
6	2	PCB-9	NotFnd	*	*	*	n	n	1.116
7	2	PCB-7	NotFnd	*	*	*	n	n	1.185
8	2	PCB-6	NotFnd	*	*	*	n	n	1.238
9	2	PCB-5	NotFnd	*	*	*	n	n	1.021
10	2	PCB-8	NotFnd	*	*	*	n	n	1.276
11	2	PCB-14	NotFnd	*	*	*	n	n	1.218
12	2	PCB-11	21:16	7.279e+02	3.193e+02	2.28	n	n	1.038
13	2	PCB-12/13	NotFnd	*	*	*	n	n	0.991
14	2	PCB-15	NotFnd	*	*	*	n	n	0.977
15	2	PCB-19	NotFnd	*	*	*	n	n	1.001
16	2	PCB-18/30	20:57	7.663e+01	7.949e+01	0.96	y	n	1.454
17	2	PCB-17	NotFnd	*	*	*	n	y	1.212
18	2	PCB-27	NotFnd	*	*	*	n	n	1.754
19	2	PCB-24	NotFnd	*	*	*	n	y	1.574
20	2	PCB-16	NotFnd	*	*	*	n	y	0.981
21	2	PCB-32	NotFnd	*	*	*	n	y	1.838
22	3	PCB-34	NotFnd	*	*	*	n	n	1.392
23	3	PCB-23	NotFnd	*	*	*	n	n	1.415
24	3	PCB-26/29	NotFnd	*	*	*	n	n	1.505
25	3	PCB-25	NotFnd	*	*	*	n	n	1.525
26	3	PCB-31	24:40	6.505e+01	5.730e+01	1.14	y	n	1.450
27	3	PCB-20/28	24:57	5.820e+01	6.361e+01	0.91	y	y	1.366
28	3	PCB-21/33	NotFnd	*	*	*	n	y	1.498
29	3	PCB-22	NotFnd	*	*	*	n	y	1.219
30	3	PCB-36	NotFnd	*	*	*	n	n	1.245
31	3	PCB-39	NotFnd	*	*	*	n	n	1.234
32	3	PCB-38	NotFnd	*	*	*	n	n	1.215
33	3	PCB-35	NotFnd	*	*	*	n	n	1.040
34	3	PCB-37	NotFnd	*	*	*	n	n	1.089
35	2	PCB-54	NotFnd	*	*	*	n	n	1.002
36	3	PCB-50/53	NotFnd	*	*	*	n	n	1.314
37	3	PCB-45/51	NotFnd	*	*	*	n	n	1.267
38	3	PCB-46	NotFnd	*	*	*	n	n	1.083
39	3	PCB-52	26:49	1.167e+02	1.689e+02	0.69	y	n	1.381
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.441
41	3	PCB-49/69	27:18	3.329e+01	5.538e+01	0.60	n	y	1.509
42	3	PCB-48	NotFnd	*	*	*	n	n	1.315
43	3	PCB-44/47/65	27:51	1.934e+02	2.421e+02	0.80	y	n	1.363
44	3	PCB-59/62/75	NotFnd	*	*	*	n	n	1.663
45	3	PCB-42	NotFnd	*	*	*	n	n	1.217
46	3	PCB-40/41/71	NotFnd	*	*	*	n	n	1.254
47	3	PCB-64	29:02	1.866e+01	2.430e+01	0.77	y	n	1.718
48	3	PCB-72	NotFnd	*	*	*	n	n	1.689
49	3	PCB-68	NotFnd	*	*	*	n	n	1.580
50	3	PCB-57	NotFnd	*	*	*	n	n	1.536

51	3	PCB-58	NotFnd	*	*	*	n	n	1.441
52	3	PCB-67	NotFnd	*	*	*	n	n	1.498
53	3	PCB-63	NotFnd	*	*	*	n	n	1.500
54	3	PCB-61/70/74/76	31:37	6.961e+01	8.838e+01	0.79	y	n	1.467
55	3	PCB-66	31:56	1.953e+01	3.392e+01	0.58	n	n	1.484
56	3	PCB-55	NotFnd	*	*	*	n	n	1.386
57	4	PCB-56	NotFnd	*	*	*	n	n	1.110
58	4	PCB-60	NotFnd	*	*	*	n	n	1.161
59	4	PCB-80	NotFnd	*	*	*	n	n	1.248
60	4	PCB-79	NotFnd	*	*	*	n	n	1.221
61	4	PCB-78	NotFnd	*	*	*	n	n	1.058
62	4	PCB-81	NotFnd	*	*	*	n	n	1.034
63	4	PCB-77	NotFnd	*	*	*	n	n	0.995
64	3	PCB-104	NotFnd	*	*	*	n	n	1.030
65	3	PCB-96	NotFnd	*	*	*	n	n	1.648
66	3	PCB-103	NotFnd	*	*	*	n	n	1.361
67	3	PCB-94	NotFnd	*	*	*	n	n	1.095
68	3	PCB-95	30:44	8.555e+01	3.956e+01	2.16	n	n	1.251
69	3	PCB-93/100	NotFnd	*	*	*	n	n	1.157
70	3	PCB-98/102	NotFnd	*	*	*	n	n	1.177
71	3	PCB-88/91	NotFnd	*	*	*	n	n	1.172
72	3	PCB-84	31:51	1.656e+01	1.494e+01	1.11	n	n	1.010
73	3	PCB-89	NotFnd	*	*	*	n	n	1.107
74	4	PCB-121	NotFnd	*	*	*	n	n	1.533
75	4	PCB-92	NotFnd	*	*	*	n	n	1.171
76	4	PCB-90/101/113	33:43	9.119e+01	3.946e+01	2.31	n	y	1.257
77	4	PCB-83/99	34:18	2.782e+01	1.972e+01	1.41	y	n	1.087
78	4	PCB-112	NotFnd	*	*	*	n	n	1.500
79	4	PCB-86/87/97/109/119/125	NotFnd	*	*	*	n	n	1.273
80	4	PCB-117	NotFnd	*	*	*	n	n	1.124
81	4	PCB-85/116	NotFnd	*	*	*	n	n	1.370
82	4	PCB-110/115	35:42	6.922e+01	5.258e+01	1.32	n	n	1.428
83	4	PCB-82	NotFnd	*	*	*	n	n	0.966
84	4	PCB-111	NotFnd	*	*	*	n	n	1.384
85	4	PCB-120	NotFnd	*	*	*	n	n	1.421
86	5	PCB-108/124	NotFnd	*	*	*	n	n	1.029
87	5	PCB-107	NotFnd	*	*	*	n	n	1.057
88	5	PCB-123	NotFnd	*	*	*	n	n	1.018
89	5	PCB-106	NotFnd	*	*	*	n	n	1.084
90	5	PCB-118	NotFnd	*	*	*	n	n	0.997
91	5	PCB-122	NotFnd	*	*	*	n	n	0.971
92	5	PCB-114	NotFnd	*	*	*	n	n	0.991
93	5	PCB-105	NotFnd	*	*	*	n	y	1.017
94	5	PCB-127	NotFnd	*	*	*	n	n	0.913
95	5	PCB-126	NotFnd	*	*	*	n	n	0.960
96	4	PCB-155	NotFnd	*	*	*	n	n	0.988
97	4	PCB-152	NotFnd	*	*	*	n	n	2.103
98	4	PCB-150	NotFnd	*	*	*	n	n	2.005
99	4	PCB-136	NotFnd	*	*	*	n	n	2.052
100	4	PCB-145	NotFnd	*	*	*	n	n	1.890
101	4	PCB-148	NotFnd	*	*	*	n	n	1.502
102	4	PCB-135/151	NotFnd	*	*	*	n	n	1.425
103	4	PCB-154	NotFnd	*	*	*	n	n	1.669
104	4	PCB-144	NotFnd	*	*	*	n	n	1.504
105	5	PCB-147/149	37:33	2.320e+01	2.069e+01	1.12	y	n	1.382
106	5	PCB-134	NotFnd	*	*	*	n	n	1.167
107	5	PCB-143	NotFnd	*	*	*	n	n	1.342

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.365
109	5	PCB-131	NotFnd	*	*	*	n	n	1.198
110	5	PCB-142	NotFnd	*	*	*	n	n	1.255
111	5	PCB-132	NotFnd	*	*	*	n	n	1.143
112	5	PCB-133	NotFnd	*	*	*	n	n	1.274
113	5	PCB-165	NotFnd	*	*	*	n	n	1.499
114	5	PCB-146	NotFnd	*	*	*	n	n	1.367
115	5	PCB-161	NotFnd	*	*	*	n	n	1.696
116	5	PCB-153/168	NotFnd	*	*	*	n	y	1.540
117	5	PCB-141	NotFnd	*	*	*	n	y	1.248
118	5	PCB-130	NotFnd	*	*	*	n	n	1.089
119	5	PCB-137	NotFnd	*	*	*	n	n	1.159
120	5	PCB-164	NotFnd	*	*	*	n	n	1.528
121	5	PCB-129/138/163	NotFnd	*	*	*	n	n	1.293
122	5	PCB-160	NotFnd	*	*	*	n	n	1.484
123	5	PCB-158	NotFnd	*	*	*	n	n	1.632
124	5	PCB-128/166	NotFnd	*	*	*	n	n	1.280
125	6	PCB-159	NotFnd	*	*	*	n	n	0.967
126	6	PCB-162	NotFnd	*	*	*	n	n	0.916
127	6	PCB-167	NotFnd	*	*	*	n	n	1.008
128	6	PCB-156/157	NotFnd	*	*	*	n	n	1.006
129	6	PCB-169	NotFnd	*	*	*	n	n	0.992
130	5	PCB-188	NotFnd	*	*	*	n	n	0.990
131	5	PCB-179	NotFnd	*	*	*	n	n	1.535
132	5	PCB-184	NotFnd	*	*	*	n	n	1.525
133	5	PCB-176	NotFnd	*	*	*	n	n	1.470
134	5	PCB-186	NotFnd	*	*	*	n	n	1.393
135	5	PCB-178	NotFnd	*	*	*	n	n	1.041
136	5	PCB-175	NotFnd	*	*	*	n	n	1.105
137	5	PCB-187	NotFnd	*	*	*	n	n	1.127
138	5	PCB-182	NotFnd	*	*	*	n	n	1.037
139	6	PCB-183	NotFnd	*	*	*	n	n	0.821
140	6	PCB-185	NotFnd	*	*	*	n	n	0.608
141	6	PCB-174	NotFnd	*	*	*	n	n	0.716
142	6	PCB-177	NotFnd	*	*	*	n	n	0.667
143	6	PCB-181	NotFnd	*	*	*	n	n	0.656
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.631
145	6	PCB-172	NotFnd	*	*	*	n	n	0.608
146	6	PCB-192	NotFnd	*	*	*	n	n	0.736
147	6	PCB-180/193	NotFnd	*	*	*	n	n	0.729
148	6	PCB-191	NotFnd	*	*	*	n	n	0.822
149	6	PCB-170	NotFnd	*	*	*	n	n	0.575
150	6	PCB-190	NotFnd	*	*	*	n	n	0.751
151	6	PCB-189	NotFnd	*	*	*	n	n	0.863
152	6	PCB-202	NotFnd	*	*	*	n	n	0.863
153	6	PCB-201	NotFnd	*	*	*	n	n	1.391
154	6	PCB-204	NotFnd	*	*	*	n	n	1.342
155	6	PCB-197	NotFnd	*	*	*	n	n	1.195
156	6	PCB-200	NotFnd	*	*	*	n	n	1.428
157	6	PCB-198/199	NotFnd	*	*	*	n	n	0.874
158	6	PCB-196	NotFnd	*	*	*	n	n	0.902
159	6	PCB-203	NotFnd	*	*	*	n	n	0.920
160	6	PCB-195	NotFnd	*	*	*	n	n	0.810
161	6	PCB-194	NotFnd	*	*	*	n	n	0.824
162	6	PCB-205	NotFnd	*	*	*	n	n	0.889
163	6	PCB-208	NotFnd	*	*	*	n	n	0.880
164	6	PCB-207	NotFnd	*	*	*	n	n	1.250

Filename U142169 Acquired: 23-NOV-11 12:20:57

165	7	PCB-206	NotFnd	*	*	*	n	n	0.931
166	7	PCB-209	57:39	9.604e+01	8.014e+01	1.20	y	n	0.894
167	1	PCB-1L	13:18	2.193e+04	7.053e+03	3.11	y	n	1.220
168	1	PCB-3L	15:34	2.304e+04	7.301e+03	3.16	y	n	1.173
169	1	PCB-4L	15:49	1.173e+04	7.507e+03	1.56	y	n	0.803
170	2	PCB-15L	21:52	1.665e+04	1.088e+04	1.53	y	n	0.962
171	2	PCB-19L	19:01	9.398e+03	8.590e+03	1.09	y	n	0.636
172	3	PCB-37L	29:00	1.443e+04	1.355e+04	1.06	y	n	1.144
173	2	PCB-54L	22:09	8.403e+03	1.021e+04	0.82	y	n	1.140
174	4	PCB-81L	35:48	1.083e+04	1.354e+04	0.80	y	n	0.947
175	4	PCB-77L	36:22	1.133e+04	1.425e+04	0.80	y	n	0.949
176	3	PCB-104L	27:44	1.372e+04	8.731e+03	1.57	y	n	1.397
177	5	PCB-123L	38:21	1.283e+04	8.281e+03	1.55	y	n	1.029
178	5	PCB-118L	38:41	1.365e+04	8.831e+03	1.55	y	n	1.077
179	5	PCB-114L	39:12	1.308e+04	8.405e+03	1.56	y	n	1.075
180	5	PCB-105L	39:51	1.291e+04	8.227e+03	1.57	y	n	1.013
181	5	PCB-126L	42:58	1.227e+04	7.891e+03	1.55	y	n	0.898
182	4	PCB-155L	33:26	1.324e+04	1.043e+04	1.27	y	n	1.637
183	6	PCB-167L	44:50	8.932e+03	6.952e+03	1.28	y	n	0.882
184	6	PCB-156/157L	45:59	1.705e+04	1.337e+04	1.28	y	n	0.818
185	6	PCB-169L	49:14	8.150e+03	6.382e+03	1.28	y	n	0.716
186	5	PCB-188L	39:11	1.207e+04	1.136e+04	1.06	y	n	2.358
187	6	PCB-189L	51:44	7.473e+03	7.307e+03	1.02	y	n	1.307
188	6	PCB-202L	44:34	7.894e+03	8.519e+03	0.93	y	n	1.804
189	6	PCB-205L	54:18	5.906e+03	6.415e+03	0.92	y	n	1.363
190	6	PCB-208L	51:14	5.156e+03	6.478e+03	0.80	y	n	1.337
191	7	PCB-206L	56:02	4.804e+03	6.194e+03	0.78	y	n	0.998
192	7	PCB-209L	57:37	6.487e+03	5.569e+03	1.16	y	n	1.563
193	3	PCB-28L	24:57	1.680e+04	1.633e+04	1.03	y	n	1.387
194	4	PCB-111L	36:24	1.663e+04	1.063e+04	1.57	y	n	1.238
195	5	PCB-178L	42:15	8.197e+03	7.698e+03	1.06	y	n	0.953
196	2	PCB-9L	17:51	2.848e+04	1.823e+04	1.56	y	n	-
197	3	PCB-52L	26:47	1.735e+04	2.257e+04	0.77	y	n	-
198	4	PCB-101L	33:41	2.215e+04	1.424e+04	1.56	y	n	-
199	5	PCB-138L	41:48	1.756e+04	1.396e+04	1.26	y	n	-
200	6	PCB-194L	53:49	8.035e+03	8.727e+03	0.92	y	n	-

-- Sample Calculation--

$$\text{PCB-209} = \frac{(9.604e{+}01 + 8.014e{+}01) \times 10000 \text{ pg} \times 1}{(6.487e{+}03 + 5.569e{+}03) \times (960 \text{ mL}) \times (1\text{L} / 1000 \text{ mL}) \times 0.8938} = 170 \text{ pg/L}$$

12/07/11

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sp166respb
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
RINSATE

Run #13 Filename U142169#1 Samp: 1 Inj: 1 Acquired: 23-NOV-11 12:20:57

Processed: 6-DEC-11 16:29:33 LAB. ID: E1101076-007

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.56e+03	*	*	1.06e+03	*
2	PCB-2	*	1.56e+03	*	*	1.06e+03	*
3	PCB-3	*	1.56e+03	*	*	1.06e+03	*
4	PCB-4	*	2.04e+03	*	*	3.25e+04	*
5	PCB-10	*	2.04e+03	*	*	3.25e+04	*
6	PCB-9	*	1.52e+03	*	*	2.14e+04	*
7	PCB-7	*	1.52e+03	*	*	2.14e+04	*
8	PCB-6	*	1.52e+03	*	*	2.14e+04	*
9	PCB-5	*	1.52e+03	*	*	2.14e+04	*
10	PCB-8	*	1.52e+03	*	*	2.14e+04	*
11	PCB-14	*	1.52e+03	*	*	2.14e+04	*
12	PCB-11	1.09e+05	1.52e+03	7.2e+01	6.20e+04	2.14e+04	2.9e+00
13	PCB-12/13	*	1.52e+03	*	*	2.14e+04	*
14	PCB-15	*	1.52e+03	*	*	2.14e+04	*
15	PCB-19	*	1.48e+03	*	*	8.84e+02	*
16	PCB-18/30	1.08e+04	1.48e+03	7.3e+00	1.18e+04	8.84e+02	1.3e+01
17	PCB-17	*	1.48e+03	*	*	8.84e+02	*
18	PCB-27	*	1.48e+03	*	*	8.84e+02	*
19	PCB-24	*	1.48e+03	*	*	8.84e+02	*
20	PCB-16	*	1.48e+03	*	*	8.84e+02	*
21	PCB-32	*	1.48e+03	*	*	8.84e+02	*
22	PCB-34	*	1.76e+03	*	*	1.52e+03	*
23	PCB-23	*	1.76e+03	*	*	1.52e+03	*
24	PCB-26/29	*	1.76e+03	*	*	1.52e+03	*
25	PCB-25	*	1.76e+03	*	*	1.52e+03	*
26	PCB-31	1.07e+04	1.76e+03	6.1e+00	8.28e+03	1.52e+03	5.4e+00
27	PCB-20/28	7.26e+03	1.76e+03	4.1e+00	9.48e+03	1.52e+03	6.2e+00
28	PCB-21/33	*	1.76e+03	*	*	1.52e+03	*
29	PCB-22	*	1.76e+03	*	*	1.52e+03	*
30	PCB-36	*	1.76e+03	*	*	1.52e+03	*
31	PCB-39	*	1.76e+03	*	*	1.52e+03	*
32	PCB-38	*	1.76e+03	*	*	1.52e+03	*
33	PCB-35	*	1.76e+03	*	*	1.52e+03	*
34	PCB-37	*	1.76e+03	*	*	1.52e+03	*
35	PCB-54	*	7.68e+02	*	*	7.00e+02	*
36	PCB-50/53	*	9.84e+02	*	*	6.20e+02	*
37	PCB-45/51	*	9.84e+02	*	*	6.20e+02	*
38	PCB-46	*	9.84e+02	*	*	6.20e+02	*
39	PCB-52	1.72e+04	9.84e+02	1.7e+01	2.26e+04	6.20e+02	3.7e+01
40	PCB-43/73	*	9.84e+02	*	*	6.20e+02	*
41	PCB-49/69	4.64e+03	9.84e+02	4.7e+00	7.53e+03	6.20e+02	1.2e+01
42	PCB-48	*	9.84e+02	*	*	6.20e+02	*
43	PCB-44/47/65	2.37e+04	9.84e+02	2.4e+01	2.76e+04	6.20e+02	4.5e+01
44	PCB-59/62/75	*	9.84e+02	*	*	6.20e+02	*
45	PCB-42	*	9.84e+02	*	*	6.20e+02	*
46	PCB-40/41/71	*	9.84e+02	*	*	6.20e+02	*
47	PCB-64	3.46e+03	9.84e+02	3.5e+00	3.88e+03	6.20e+02	6.3e+00

48	PCB-72	*	9.84e+02	*	*	6.20e+02	*
49	PCB-68	*	9.84e+02	*	*	6.20e+02	*
50	PCB-57	*	9.84e+02	*	*	6.20e+02	*
51	PCB-58	*	9.84e+02	*	*	6.20e+02	*
52	PCB-67	*	9.84e+02	*	*	6.20e+02	*
53	PCB-63	*	9.84e+02	*	*	6.20e+02	*
54	PCB-61/70/74/76	1.06e+04	9.84e+02	1.1e+01	1.30e+04	6.20e+02	2.1e+01
55	PCB-66	3.21e+03	9.84e+02	3.3e+00	6.68e+03	6.20e+02	1.1e+01
56	PCB-55	*	9.84e+02	*	*	6.20e+02	*
57	PCB-56	*	1.08e+03	*	*	9.96e+02	*
58	PCB-60	*	1.08e+03	*	*	9.96e+02	*
59	PCB-80	*	1.08e+03	*	*	9.96e+02	*
60	PCB-79	*	1.08e+03	*	*	9.96e+02	*
61	PCB-78	*	1.08e+03	*	*	9.96e+02	*
62	PCB-81	*	1.08e+03	*	*	9.96e+02	*
63	PCB-77	*	1.08e+03	*	*	9.96e+02	*
64	PCB-104	*	5.52e+02	*	*	7.32e+02	*
65	PCB-96	*	5.52e+02	*	*	7.32e+02	*
66	PCB-103	*	5.52e+02	*	*	7.32e+02	*
67	PCB-94	*	5.52e+02	*	*	7.32e+02	*
68	PCB-95	1.56e+04	5.52e+02	2.8e+01	6.78e+03	7.32e+02	9.3e+00
69	PCB-93/100	*	5.52e+02	*	*	7.32e+02	*
70	PCB-98/102	*	5.52e+02	*	*	7.32e+02	*
71	PCB-88/91	*	5.52e+02	*	*	7.32e+02	*
72	PCB-84	4.81e+03	5.52e+02	8.7e+00	4.22e+03	7.32e+02	5.8e+00
73	PCB-89	*	5.52e+02	*	*	7.32e+02	*
74	PCB-121	*	7.28e+02	*	*	1.35e+03	*
75	PCB-92	*	7.28e+02	*	*	1.35e+03	*
76	PCB-90/101/113	1.61e+04	7.28e+02	2.2e+01	8.17e+03	1.35e+03	6.1e+00
77	PCB-83/99	6.16e+03	7.28e+02	8.5e+00	4.48e+03	1.35e+03	3.3e+00
78	PCB-112	*	7.28e+02	*	*	1.35e+03	*
79	CB-86/87/97/109/119/125	*	7.28e+02	*	*	1.35e+03	*
80	PCB-117	*	7.28e+02	*	*	1.35e+03	*
81	PCB-85/116	*	7.28e+02	*	*	1.35e+03	*
82	PCB-110/115	1.19e+04	7.28e+02	1.6e+01	8.84e+03	1.35e+03	6.6e+00
83	PCB-82	*	7.28e+02	*	*	1.35e+03	*
84	PCB-111	*	7.28e+02	*	*	1.35e+03	*
85	PCB-120	*	7.28e+02	*	*	1.35e+03	*
86	PCB-108/124	*	1.13e+03	*	*	1.10e+03	*
87	PCB-107	*	1.13e+03	*	*	1.10e+03	*
88	PCB-123	*	1.13e+03	*	*	1.10e+03	*
89	PCB-106	*	1.13e+03	*	*	1.10e+03	*
90	PCB-118	*	1.13e+03	*	*	1.10e+03	*
91	PCB-122	*	1.13e+03	*	*	1.10e+03	*
92	PCB-114	*	1.13e+03	*	*	1.10e+03	*
93	PCB-105	*	1.13e+03	*	*	1.10e+03	*
94	PCB-127	*	1.13e+03	*	*	1.10e+03	*
95	PCB-126	*	1.13e+03	*	*	1.10e+03	*
96	PCB-155	*	8.44e+02	*	*	9.68e+02	*
97	PCB-152	*	8.44e+02	*	*	9.68e+02	*
98	PCB-150	*	8.44e+02	*	*	9.68e+02	*
99	PCB-136	*	8.44e+02	*	*	9.68e+02	*
100	PCB-145	*	8.44e+02	*	*	9.68e+02	*
101	PCB-148	*	8.44e+02	*	*	9.68e+02	*
102	PCB-135/151	*	8.44e+02	*	*	9.68e+02	*
103	PCB-154	*	8.44e+02	*	*	9.68e+02	*
104	PCB-144	*	8.44e+02	*	*	9.68e+02	*

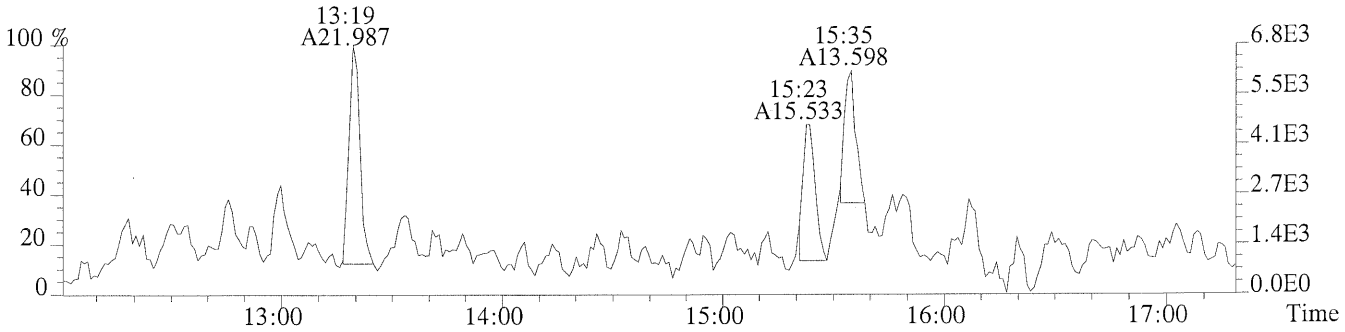
Run #13 Filename U142169#1 Samp: 1 Acquired: 23-NOV-11 12:20:57

105	PCB-147/149	5.61e+03	1.10e+03	5.1e+00	5.07e+03	8.76e+02	5.8e+00
106	PCB-134	*	1.10e+03	*	*	8.76e+02	*
107	PCB-143	*	1.10e+03	*	*	8.76e+02	*
108	PCB-139/140	*	1.10e+03	*	*	8.76e+02	*
109	PCB-131	*	1.10e+03	*	*	8.76e+02	*
110	PCB-142	*	1.10e+03	*	*	8.76e+02	*
111	PCB-132	*	1.10e+03	*	*	8.76e+02	*
112	PCB-133	*	1.10e+03	*	*	8.76e+02	*
113	PCB-165	*	1.10e+03	*	*	8.76e+02	*
114	PCB-146	*	1.10e+03	*	*	8.76e+02	*
115	PCB-161	*	1.10e+03	*	*	8.76e+02	*
116	PCB-153/168	*	1.10e+03	*	*	8.76e+02	*
117	PCB-141	*	1.10e+03	*	*	8.76e+02	*
118	PCB-130	*	1.10e+03	*	*	8.76e+02	*
119	PCB-137	*	1.10e+03	*	*	8.76e+02	*
120	PCB-164	*	1.10e+03	*	*	8.76e+02	*
121	PCB-129/138/163	*	1.10e+03	*	*	8.76e+02	*
122	PCB-160	*	1.10e+03	*	*	8.76e+02	*
123	PCB-158	*	1.10e+03	*	*	8.76e+02	*
124	PCB-128/166	*	1.10e+03	*	*	8.76e+02	*
125	PCB-159	*	1.04e+03	*	*	7.20e+02	*
126	PCB-162	*	1.04e+03	*	*	7.20e+02	*
127	PCB-167	*	1.04e+03	*	*	7.20e+02	*
128	PCB-156/157	*	1.04e+03	*	*	7.20e+02	*
129	PCB-169	*	1.04e+03	*	*	7.20e+02	*
130	PCB-188	*	1.04e+03	*	*	9.00e+02	*
131	PCB-179	*	1.04e+03	*	*	9.00e+02	*
132	PCB-184	*	1.04e+03	*	*	9.00e+02	*
133	PCB-176	*	1.04e+03	*	*	9.00e+02	*
134	PCB-186	*	1.04e+03	*	*	9.00e+02	*
135	PCB-178	*	1.04e+03	*	*	9.00e+02	*
136	PCB-175	*	1.04e+03	*	*	9.00e+02	*
137	PCB-187	*	1.04e+03	*	*	9.00e+02	*
138	PCB-182	*	1.04e+03	*	*	9.00e+02	*
139	PCB-183	*	1.16e+03	*	*	8.80e+02	*
140	PCB-185	*	1.16e+03	*	*	8.80e+02	*
141	PCB-174	*	1.16e+03	*	*	8.80e+02	*
142	PCB-177	*	1.16e+03	*	*	8.80e+02	*
143	PCB-181	*	1.16e+03	*	*	8.80e+02	*
144	PCB-171/173	*	1.16e+03	*	*	8.80e+02	*
145	PCB-172	*	1.16e+03	*	*	8.80e+02	*
146	PCB-192	*	1.16e+03	*	*	8.80e+02	*
147	PCB-180/193	*	1.16e+03	*	*	8.80e+02	*
148	PCB-191	*	1.16e+03	*	*	8.80e+02	*
149	PCB-170	*	1.16e+03	*	*	8.80e+02	*
150	PCB-190	*	1.16e+03	*	*	8.80e+02	*
151	PCB-189	*	1.16e+03	*	*	8.80e+02	*
152	PCB-202	*	5.92e+02	*	*	7.80e+02	*
153	PCB-201	*	5.92e+02	*	*	7.80e+02	*
154	PCB-204	*	5.92e+02	*	*	7.80e+02	*
155	PCB-197	*	5.92e+02	*	*	7.80e+02	*
156	PCB-200	*	5.92e+02	*	*	7.80e+02	*
157	PCB-198/199	*	5.92e+02	*	*	7.80e+02	*
158	PCB-196	*	5.92e+02	*	*	7.80e+02	*
159	PCB-203	*	5.92e+02	*	*	7.80e+02	*
160	PCB-195	*	5.92e+02	*	*	7.80e+02	*
161	PCB-194	*	5.92e+02	*	*	7.80e+02	*
162	PCB-205	*	5.92e+02	*	*	7.80e+02	*

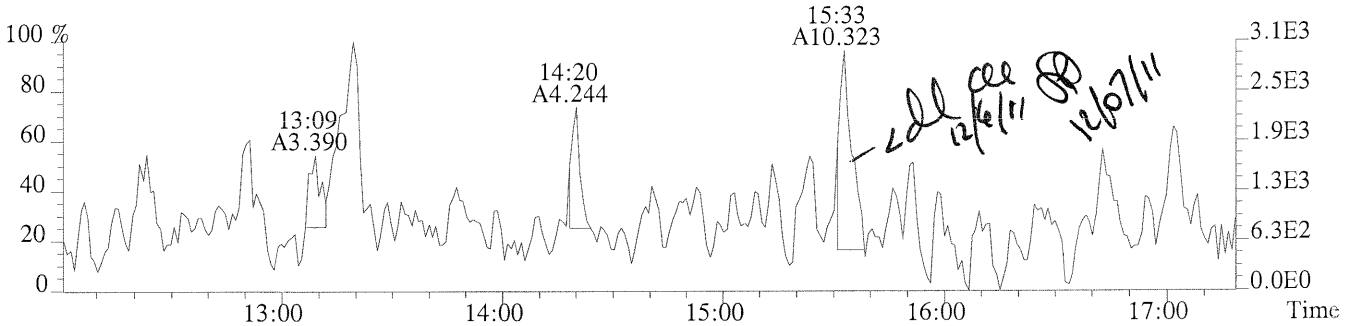
164	PCB-208	*	5.84e+02	*	*	6.80e+02	*
165	PCB-207	*	5.84e+02	*	*	6.80e+02	*
166	PCB-206	*	1.02e+03	*	*	9.60e+02	*
166	PCB-209	1.52e+04	1.10e+03	1.4e+01	1.40e+04	9.28e+02	1.5e+01
167	PCB-1L	5.20e+06	2.33e+03	2.2e+03	1.70e+06	1.73e+04	9.9e+01
168	PCB-3L	3.96e+06	2.33e+03	1.7e+03	1.27e+06	1.73e+04	7.4e+01
169	PCB-4L	2.08e+06	1.82e+03	1.1e+03	1.32e+06	1.31e+03	1.0e+03
170	PCB-15L	2.26e+06	2.16e+03	1.0e+03	1.48e+06	7.12e+02	2.1e+03
171	PCB-19L	1.51e+06	1.53e+04	9.9e+01	1.45e+06	1.60e+04	9.1e+01
172	PCB-37L	1.87e+06	1.27e+04	1.5e+02	1.77e+06	7.28e+03	2.4e+02
173	PCB-54L	1.30e+06	2.04e+03	6.4e+02	1.60e+06	8.12e+02	2.0e+03
174	PCB-81L	1.48e+06	1.38e+03	1.1e+03	1.88e+06	9.48e+02	2.0e+03
175	PCB-77L	1.49e+06	1.38e+03	1.1e+03	1.87e+06	9.48e+02	2.0e+03
176	PCB-104L	1.92e+06	1.04e+03	1.9e+03	1.21e+06	9.00e+02	1.3e+03
177	PCB-123L	1.98e+06	2.92e+03	6.8e+02	1.27e+06	1.58e+03	8.0e+02
178	PCB-118L	2.02e+06	2.92e+03	6.9e+02	1.29e+06	1.58e+03	8.2e+02
179	PCB-114L	1.92e+06	2.92e+03	6.6e+02	1.22e+06	1.58e+03	7.7e+02
180	PCB-105L	1.95e+06	2.92e+03	6.7e+02	1.23e+06	1.58e+03	7.8e+02
181	PCB-126L	1.81e+06	2.92e+03	6.2e+02	1.12e+06	1.58e+03	7.1e+02
182	PCB-155L	1.94e+06	9.48e+02	2.1e+03	1.54e+06	9.40e+02	1.6e+03
183	PCB-167L	1.71e+06	1.18e+03	1.4e+03	1.35e+06	2.60e+03	5.2e+02
184	PCB-156/157L	2.57e+06	1.18e+03	2.2e+03	2.00e+06	2.60e+03	7.7e+02
185	PCB-169L	1.57e+06	1.18e+03	1.3e+03	1.21e+06	2.60e+03	4.7e+02
186	PCB-188L	1.89e+06	1.49e+03	1.3e+03	1.79e+06	6.80e+02	2.6e+03
187	PCB-189L	1.50e+06	1.05e+03	1.4e+03	1.45e+06	1.35e+03	1.1e+03
188	PCB-202L	1.55e+06	8.12e+02	1.9e+03	1.64e+06	1.26e+03	1.3e+03
189	PCB-205L	1.18e+06	8.12e+02	1.5e+03	1.27e+06	1.26e+03	1.0e+03
190	PCB-208L	1.02e+06	7.00e+02	1.5e+03	1.30e+06	6.92e+02	1.9e+03
191	PCB-206L	8.63e+05	8.60e+02	1.0e+03	1.12e+06	1.14e+03	9.9e+02
192	PCB-209L	1.19e+06	8.08e+02	1.5e+03	1.02e+06	9.92e+02	1.0e+03
193	PCB-28L	2.25e+06	1.27e+04	1.8e+02	2.16e+06	7.28e+03	3.0e+02
194	PCB-111L	2.49e+06	1.87e+03	1.3e+03	1.58e+06	1.53e+03	1.0e+03
195	PCB-178L	1.33e+06	1.49e+03	8.9e+02	1.25e+06	6.80e+02	1.8e+03
196	PCB-9L	4.89e+06	2.16e+03	2.3e+03	3.11e+06	7.12e+02	4.4e+03
197	PCB-52L	2.48e+06	1.72e+03	1.4e+03	3.19e+06	1.15e+03	2.8e+03
198	PCB-101L	3.28e+06	1.87e+03	1.8e+03	2.12e+06	1.53e+03	1.4e+03
199	PCB-138L	2.76e+06	1.01e+03	2.7e+03	2.17e+06	1.44e+03	1.5e+03
200	PCB-194L	1.60e+06	8.12e+02	2.0e+03	1.74e+06	1.26e+03	1.4e+03

File:U142169 #1-341 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

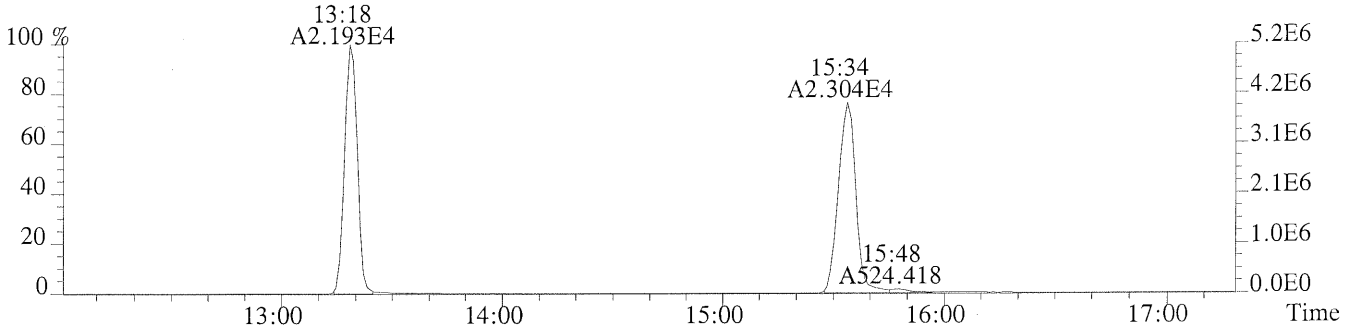
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1556.0,1.00%,F,T)



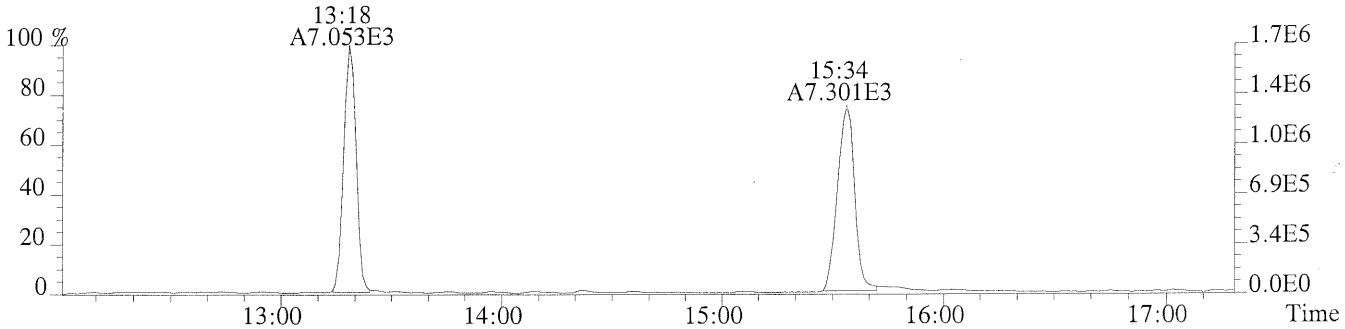
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1060.0,1.00%,F,T)



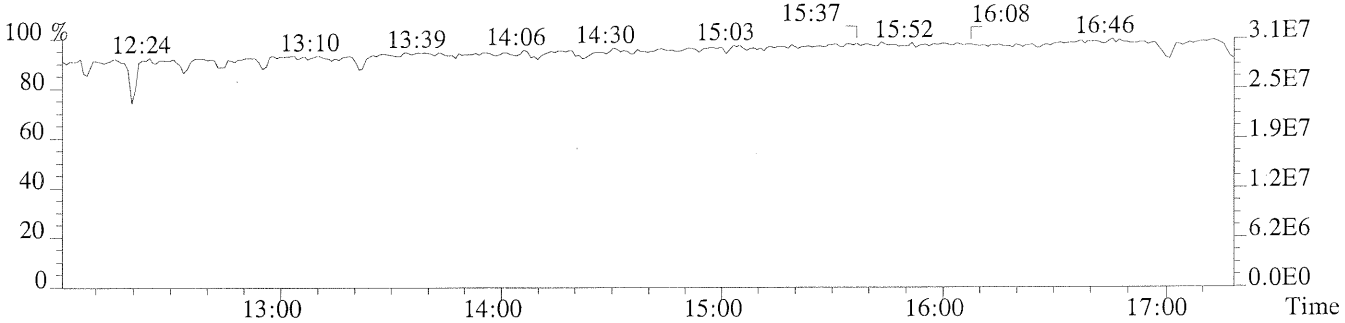
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2332.0,1.00%,F,T)



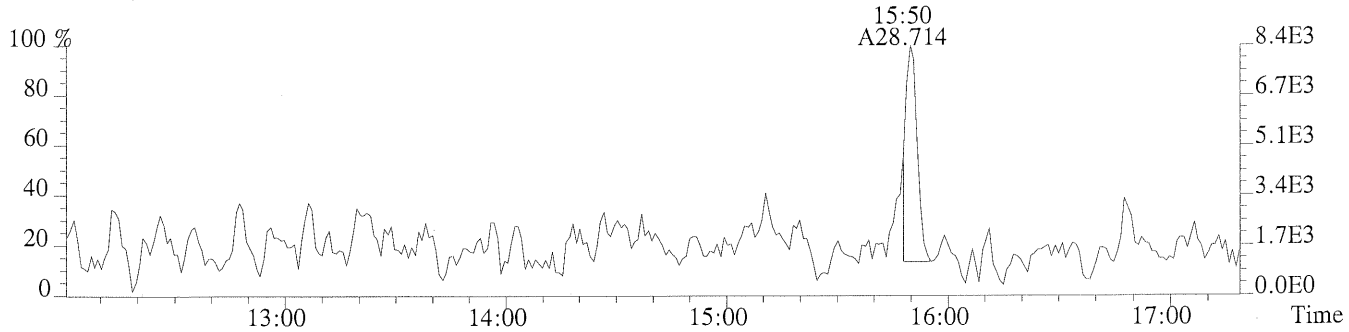
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17260.0,1.00%,F,T)



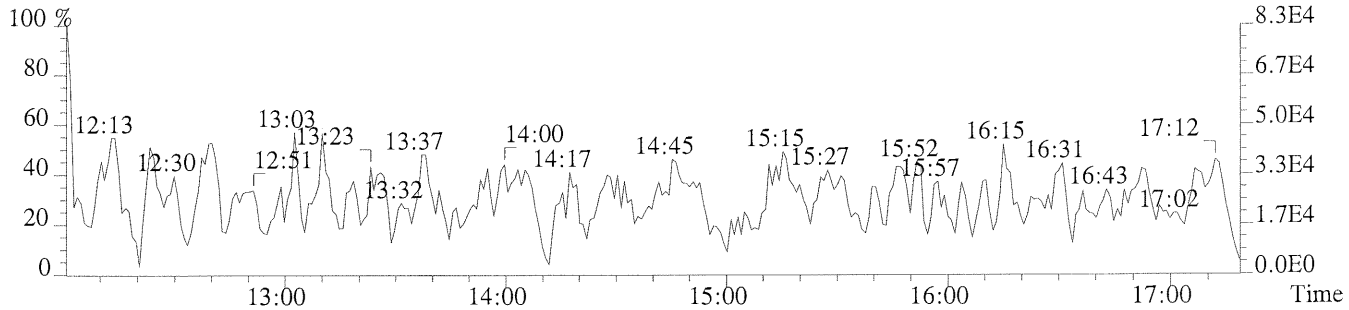
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



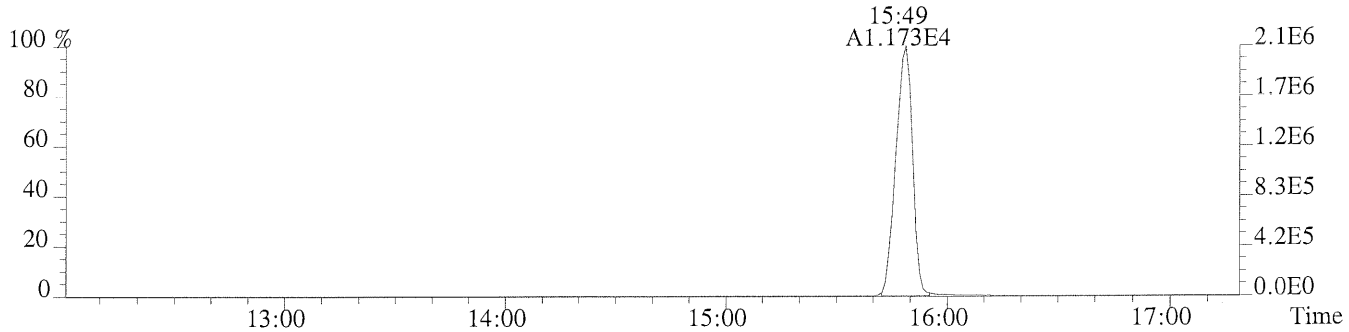
File:U142169 #1-341 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2044.0,1.00%,F,T)



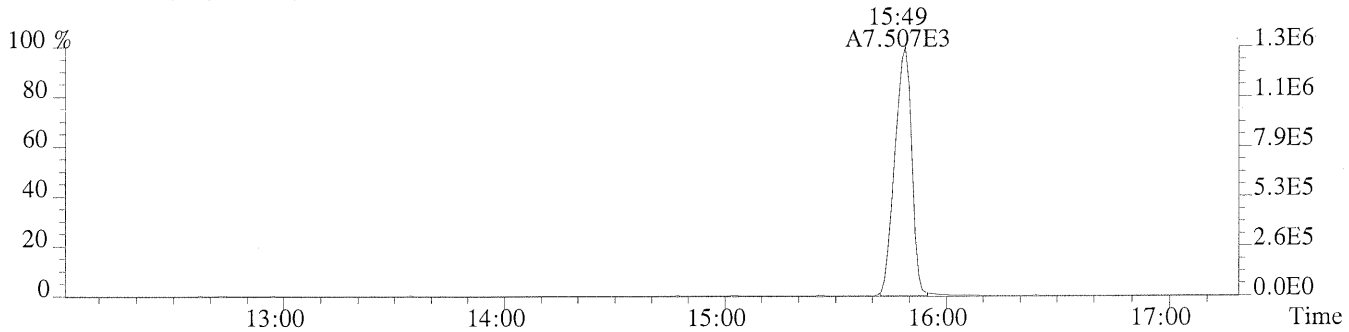
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,32524.0,1.00%,F,T)



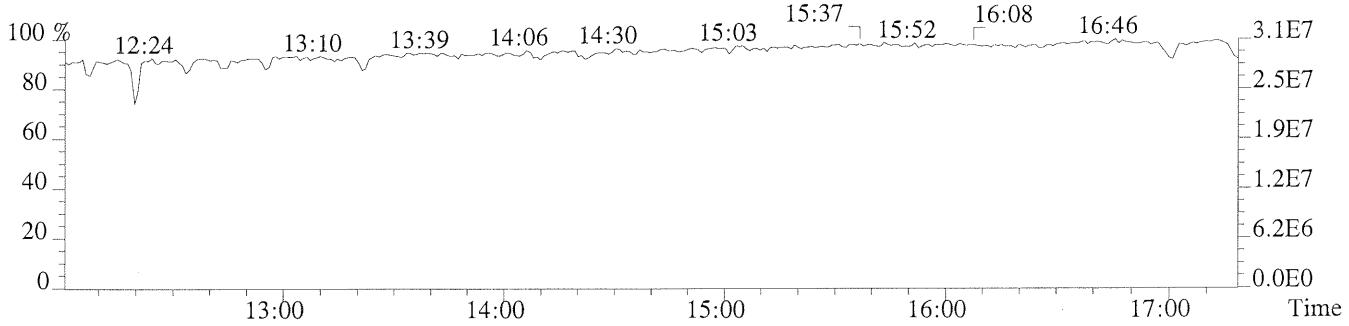
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1816.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1312.0,1.00%,F,T)

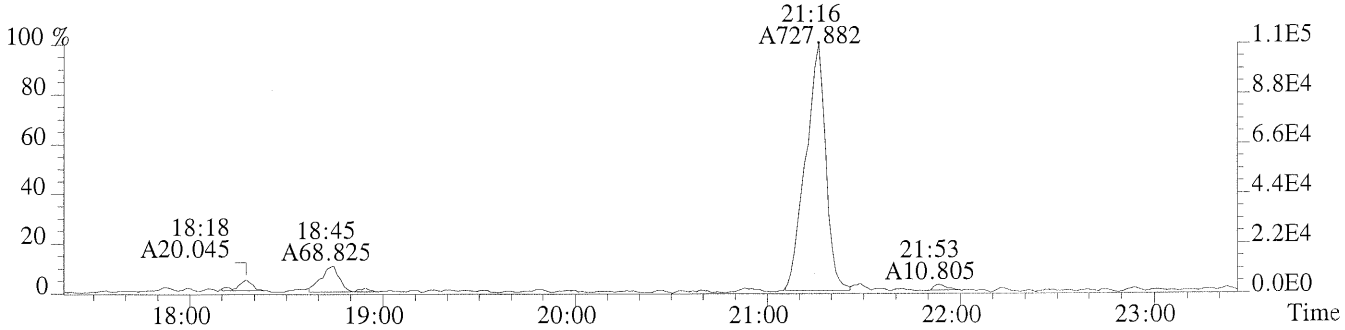


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

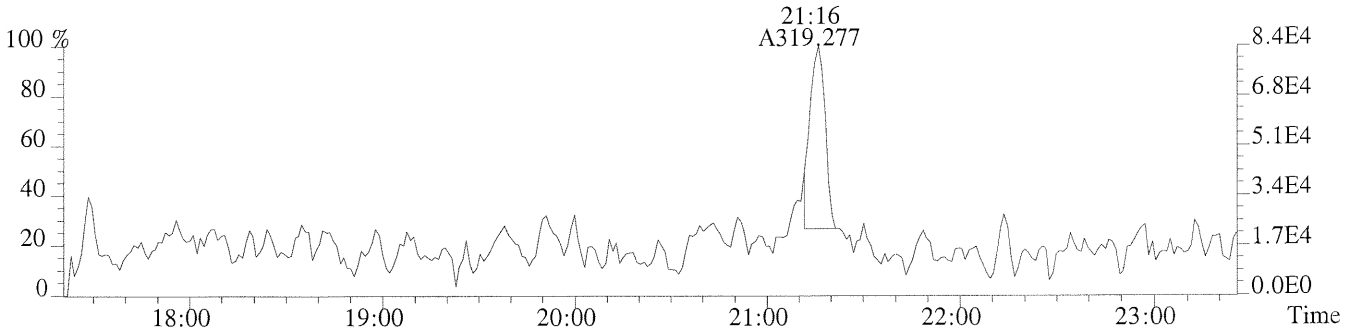


File:U142169 #1-336 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

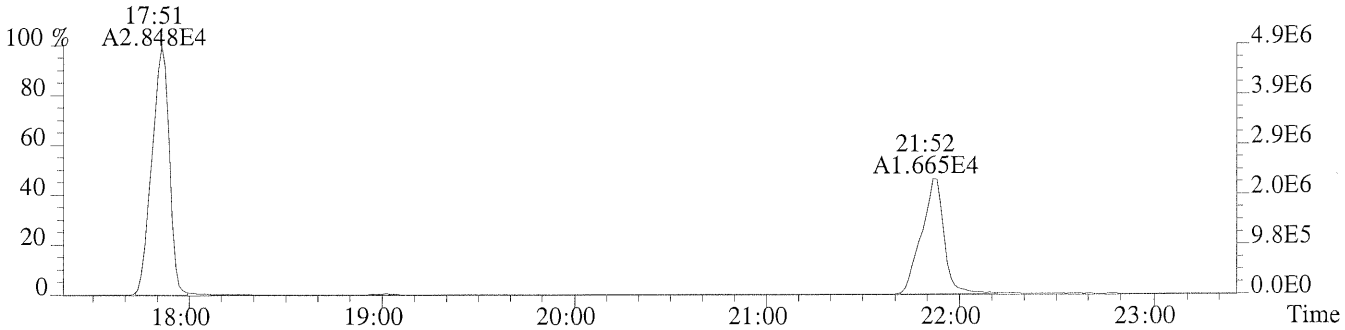
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1516.0,1.00%,F,T)



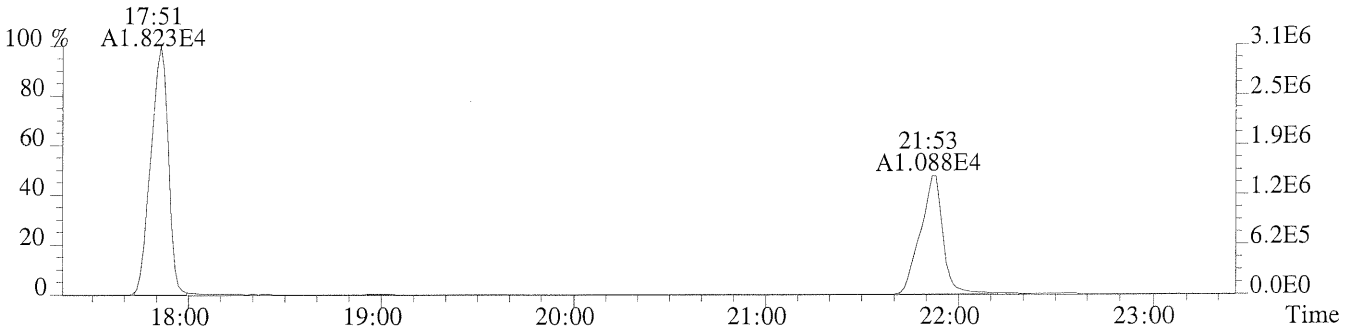
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,21396.0,1.00%,F,T)



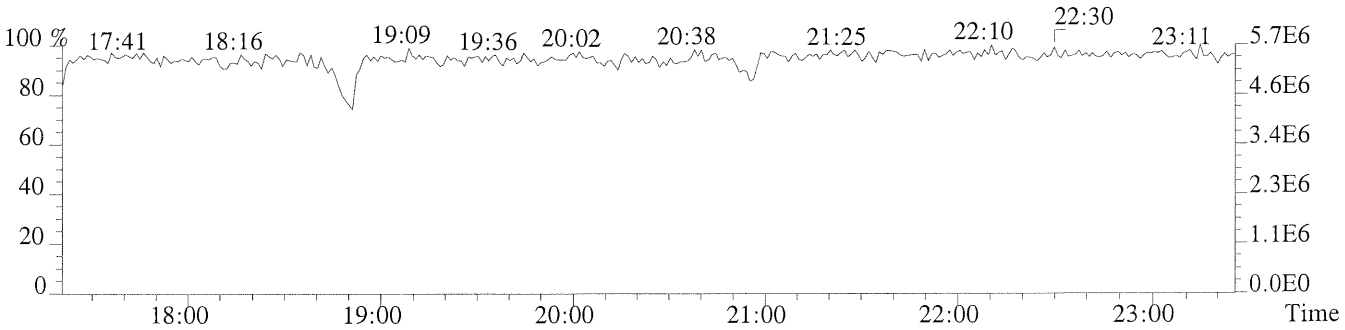
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2164.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,712.0,1.00%,F,T)

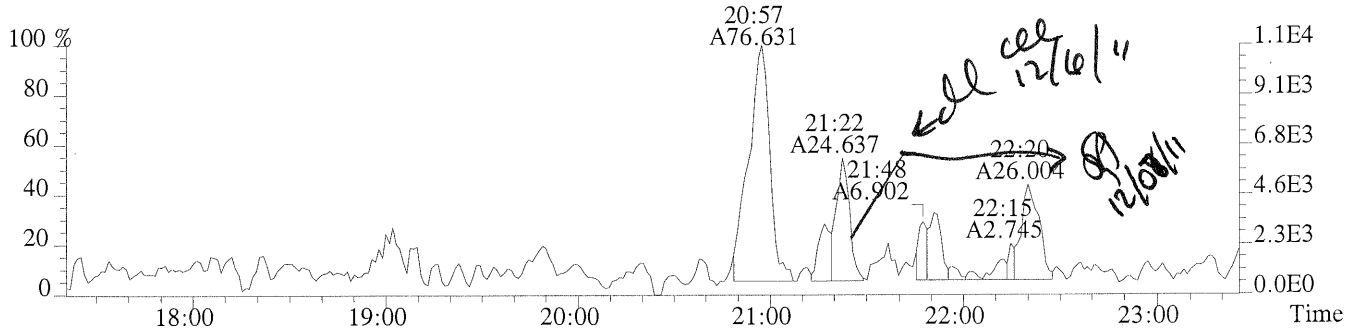


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

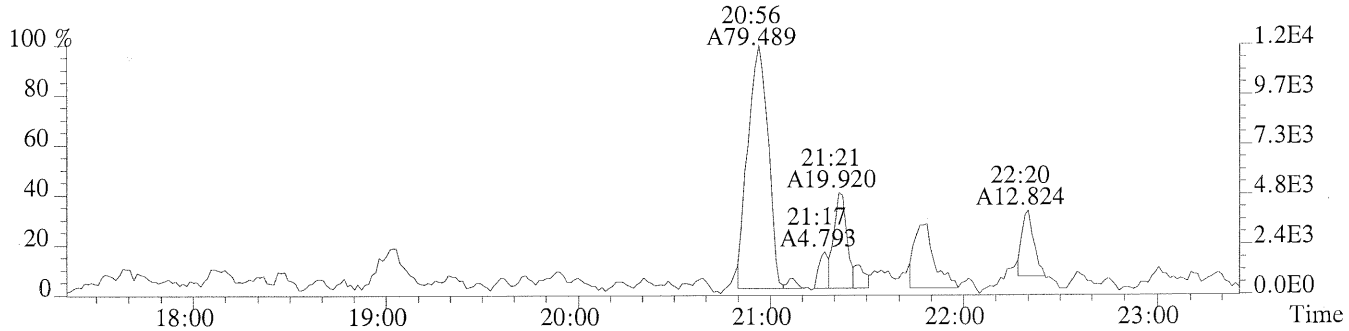


File:U142169 #1-336 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

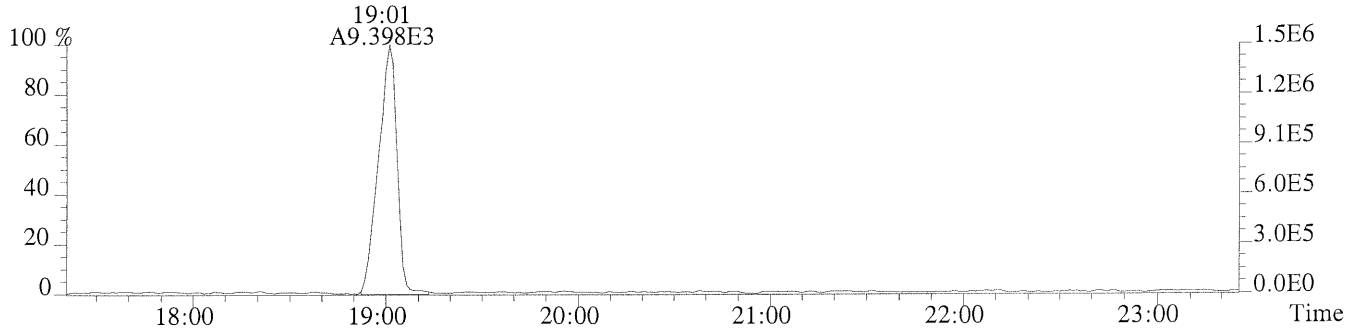
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1476.0,1.00%,F,T)



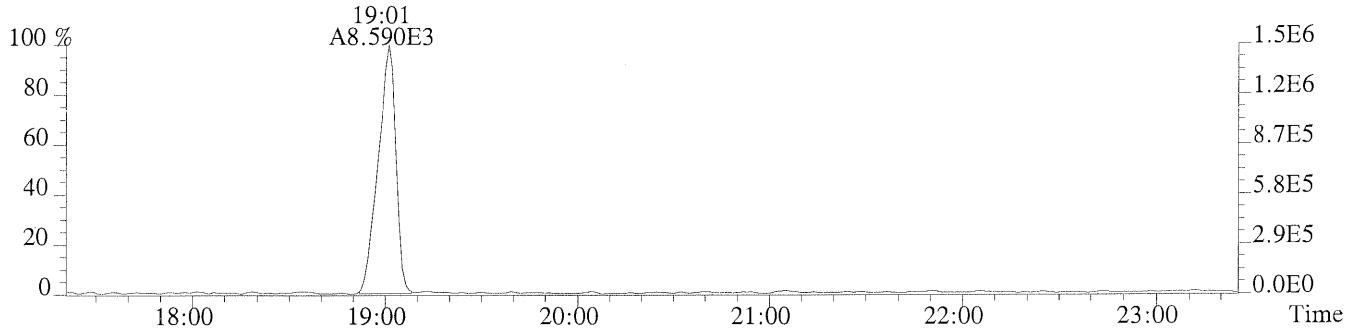
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,884.0,1.00%,F,T)



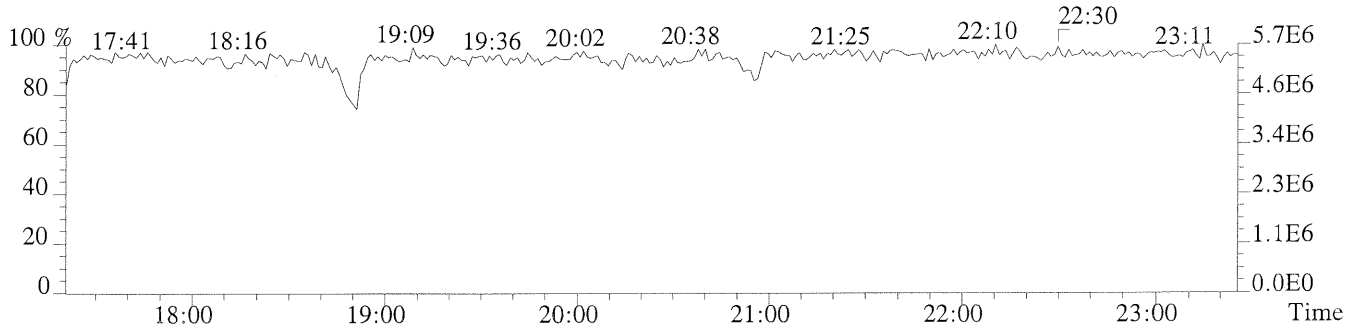
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,15316.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,15952.0,1.00%,F,T)

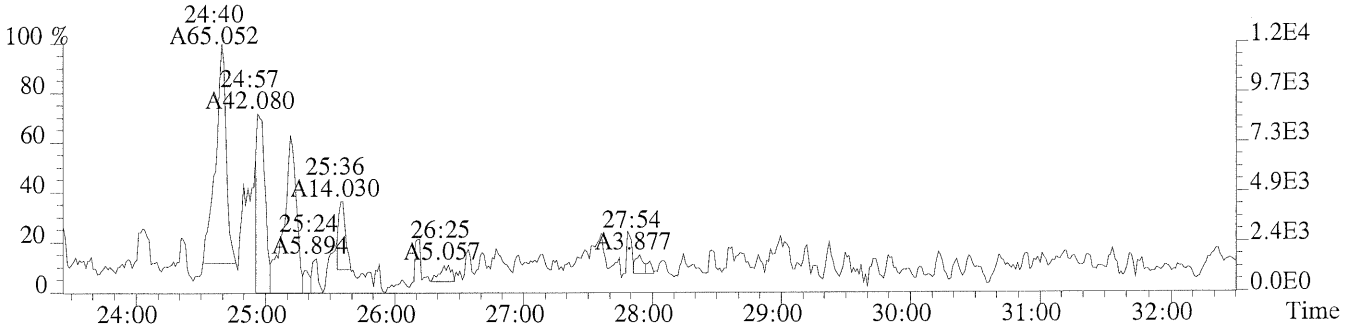


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

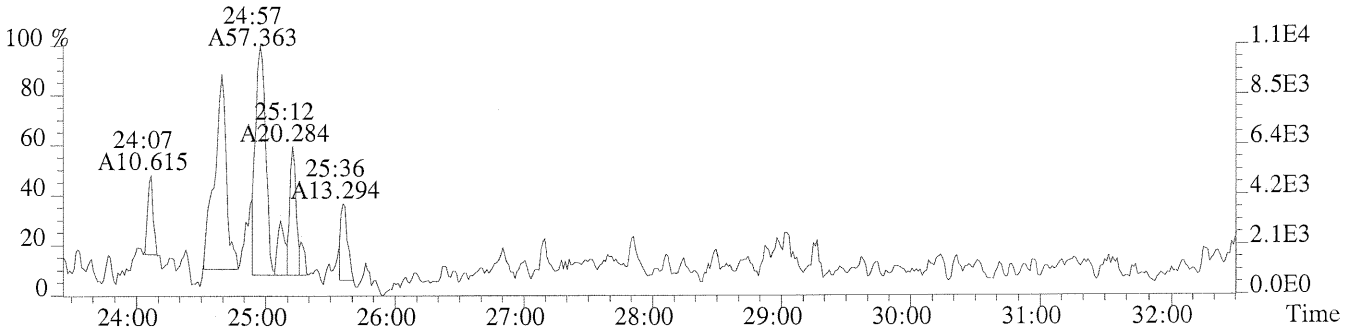


File:U142169 #1-580 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

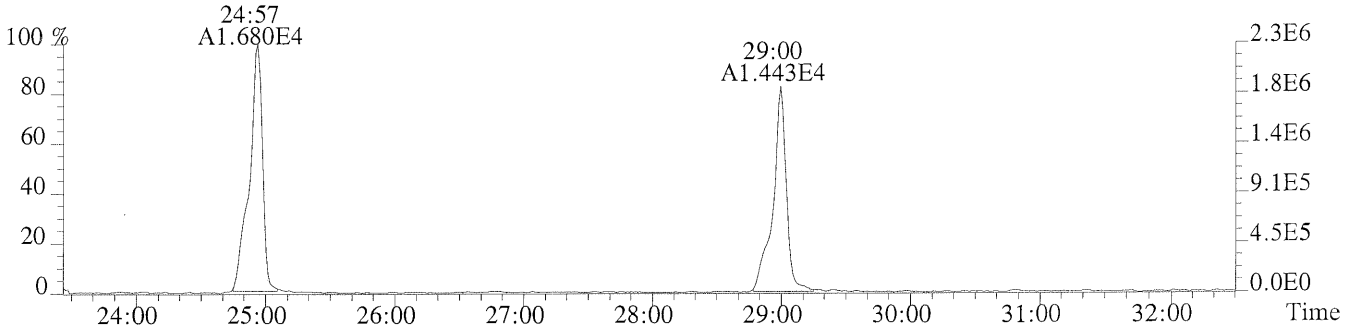
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1756.0,1.00%,F,T)



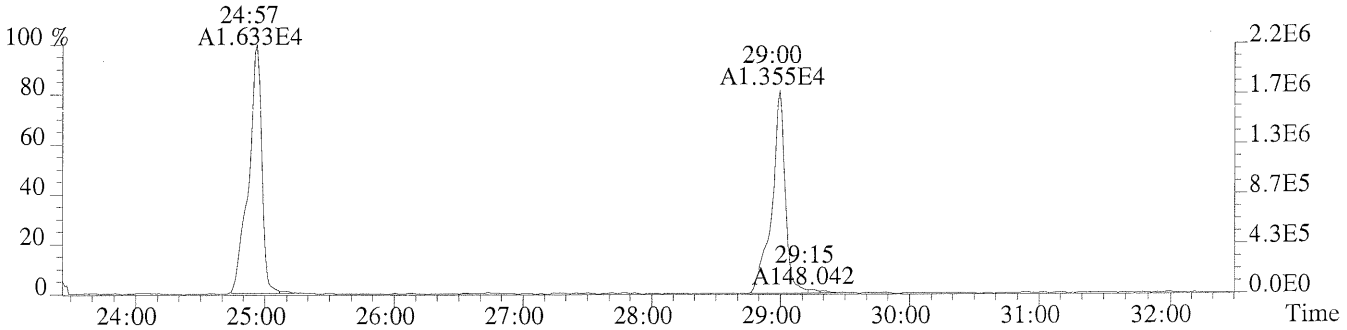
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1524.0,1.00%,F,T)



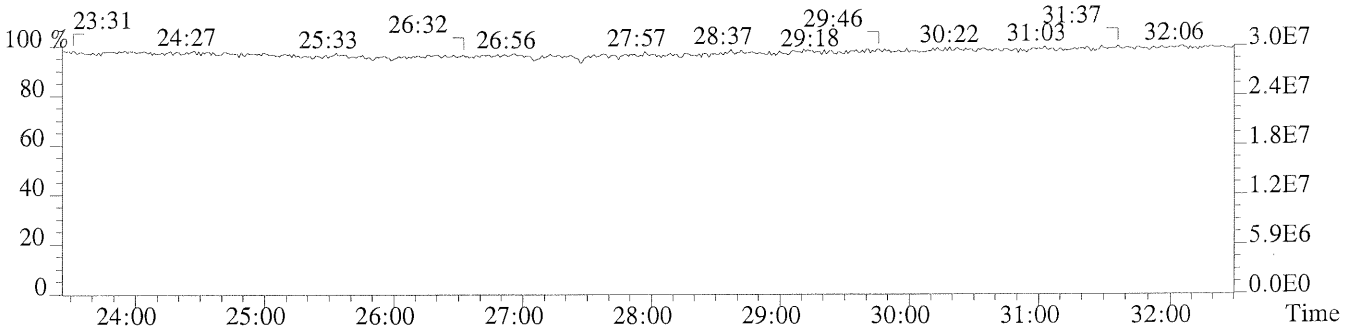
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12740.0,1.00%,F,T)



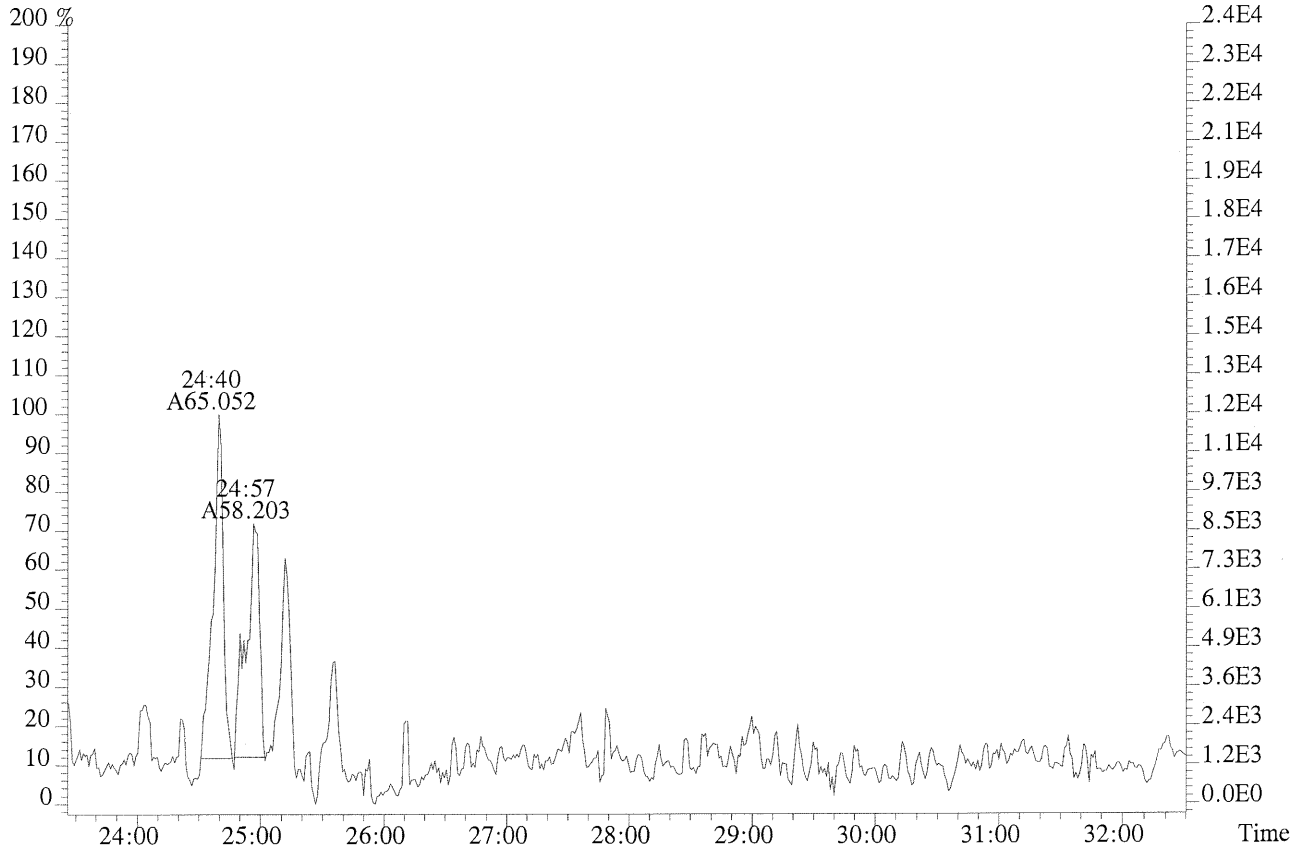
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7280.0,1.00%,F,T)



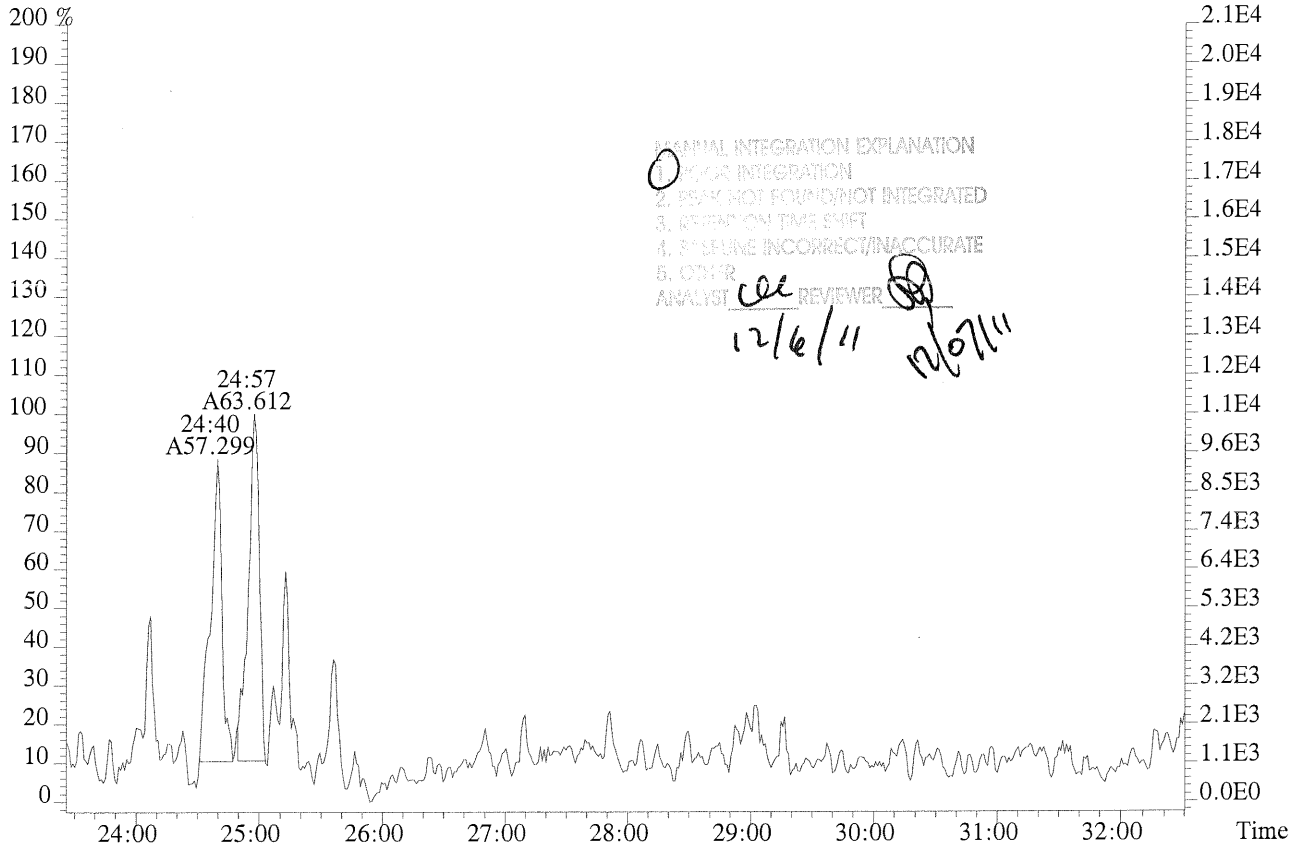
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142169 #1-580 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-007 Rinsate
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1756.0,1.00%,F,T)



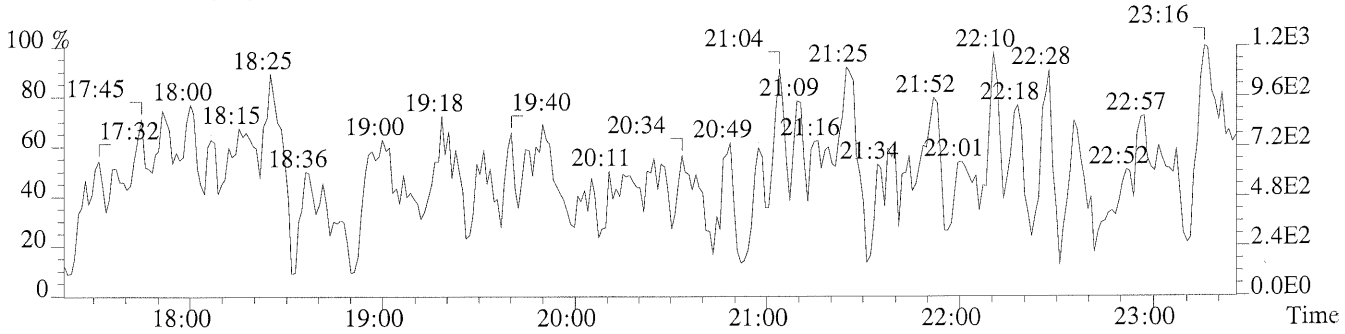
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1524.0,1.00%,F,T)



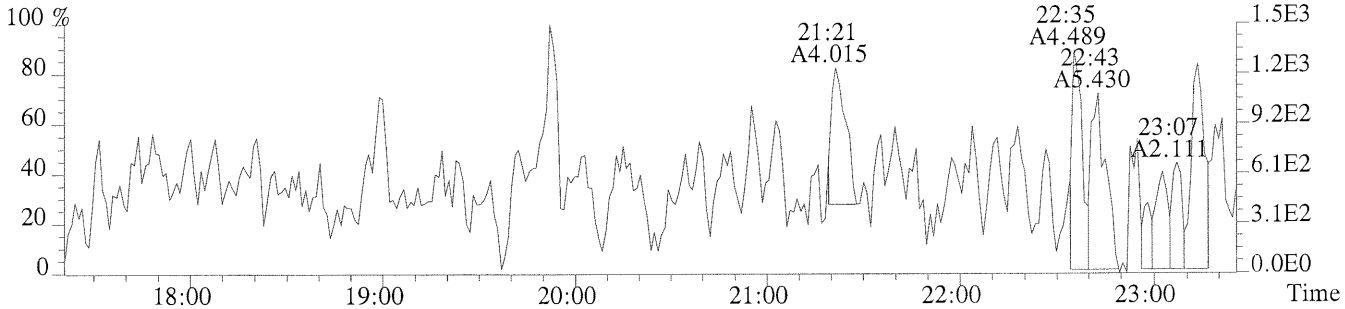
MANUAL INTEGRATION EXPLANATION
0 MINOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST CC REVIEWER
12/6/11 12/07/11

File:U142169 #1-336 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

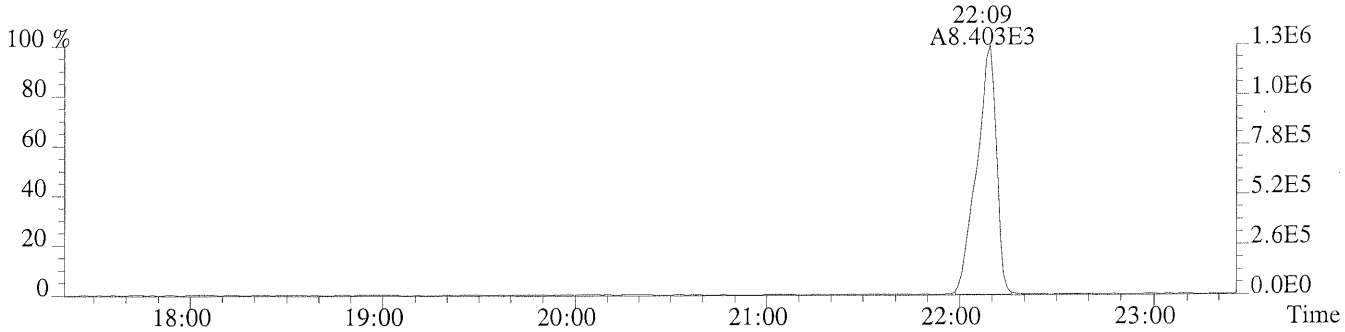
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,768.0,1.00%,F,T)



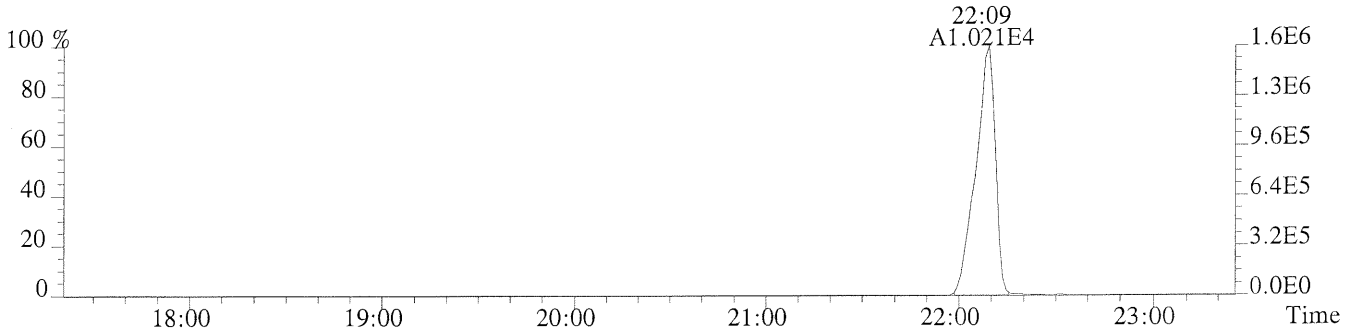
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,700.0,1.00%,F,T)



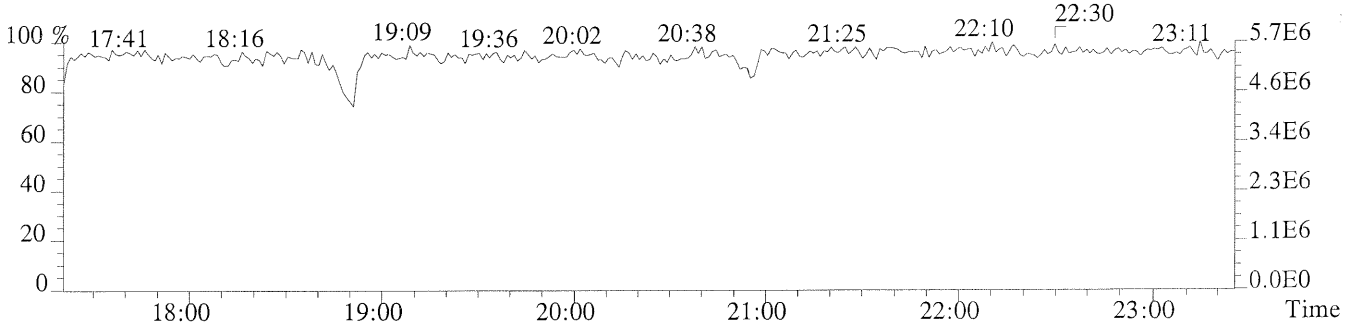
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2040.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)

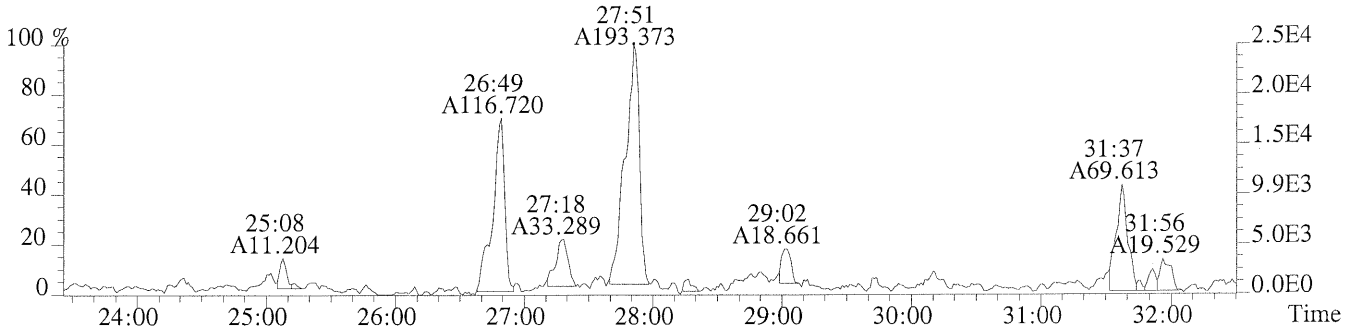


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

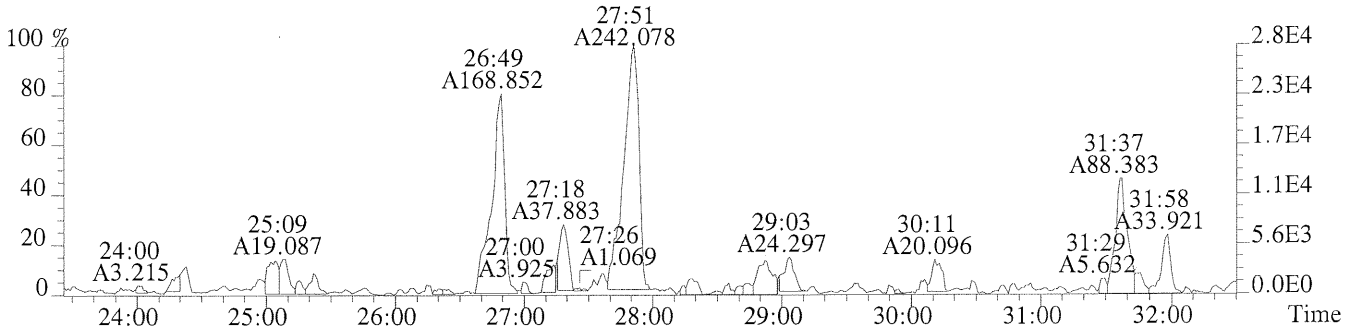


File:U142169 #1-580 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

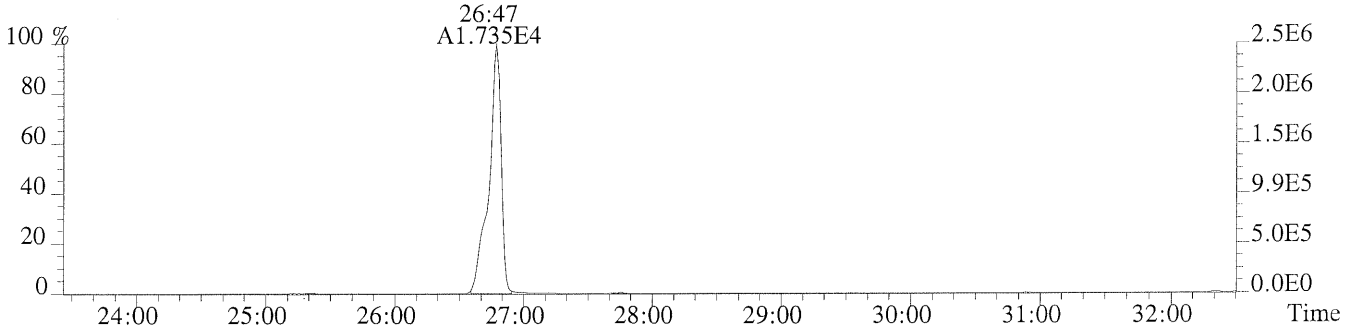
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,984.0,1.00%,F,T)



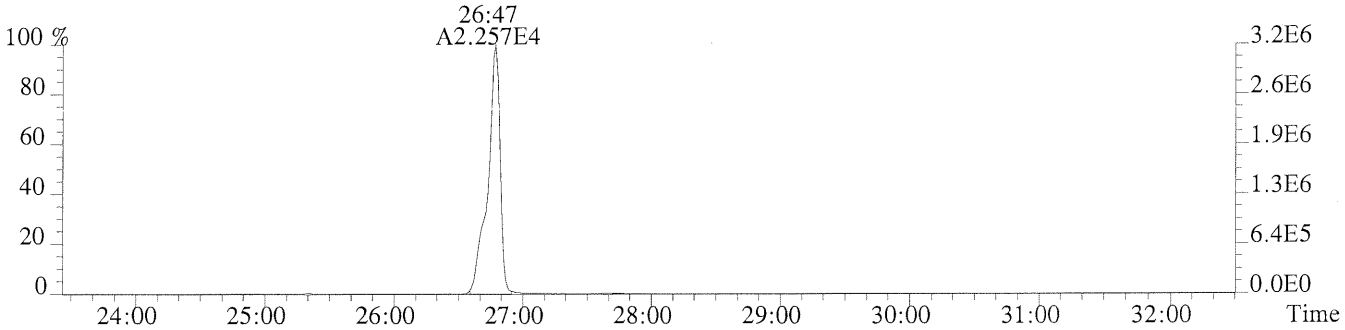
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,620.0,1.00%,F,T)



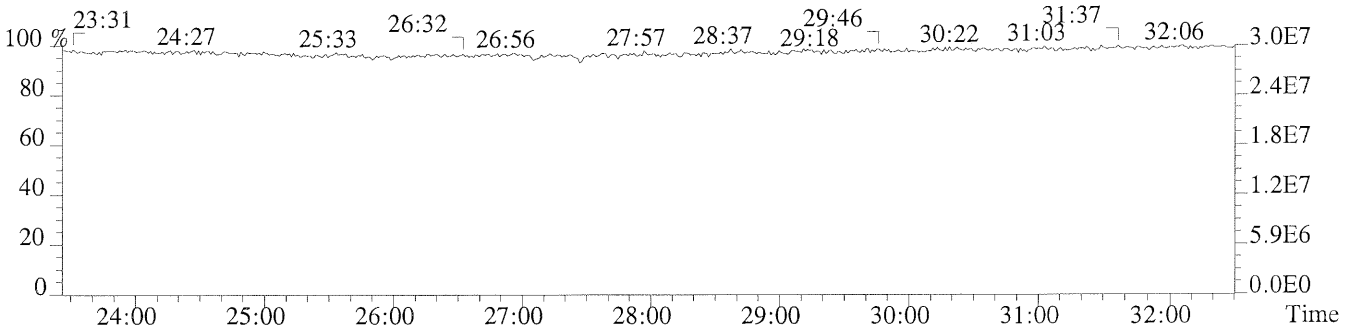
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1724.0,1.00%,F,T)



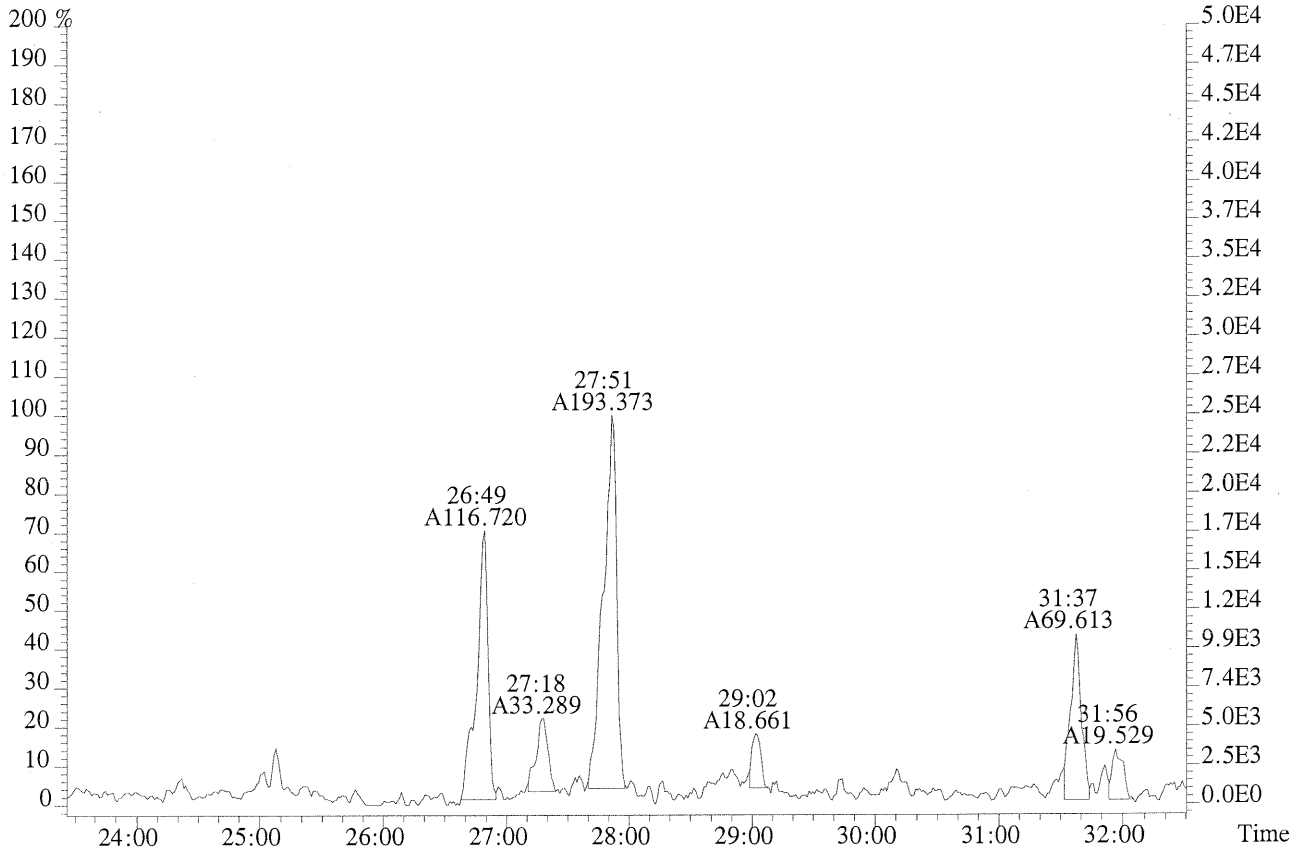
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)



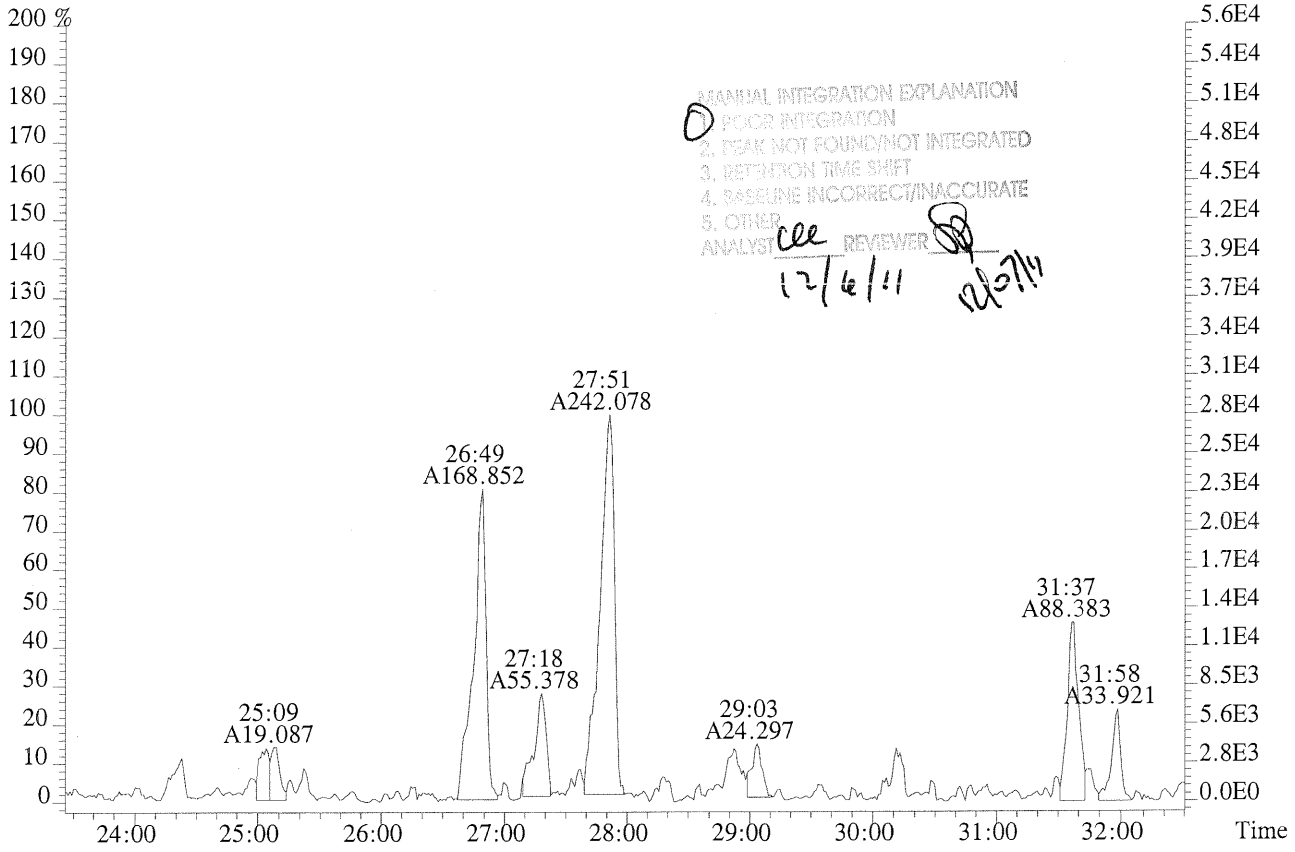
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142169 #1-580 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-007 Rinsate
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,984.0,1.00%,F,T)

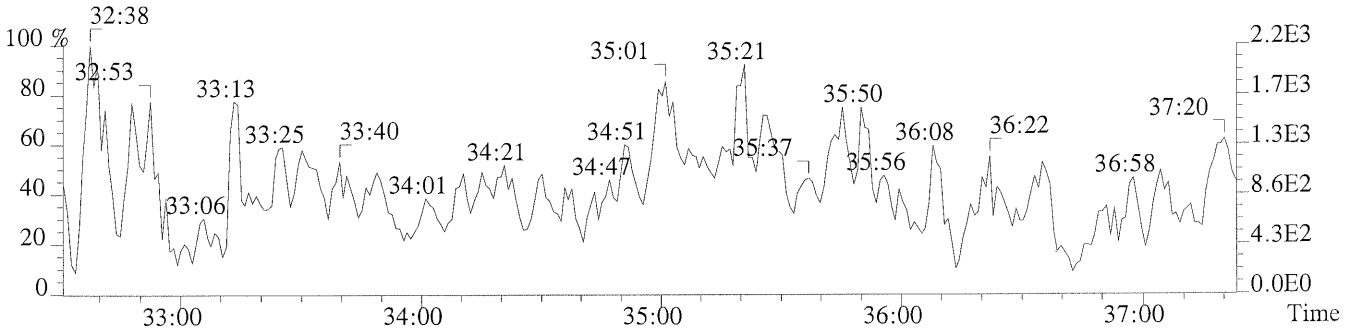


291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,620.0,1.00%,F,T)

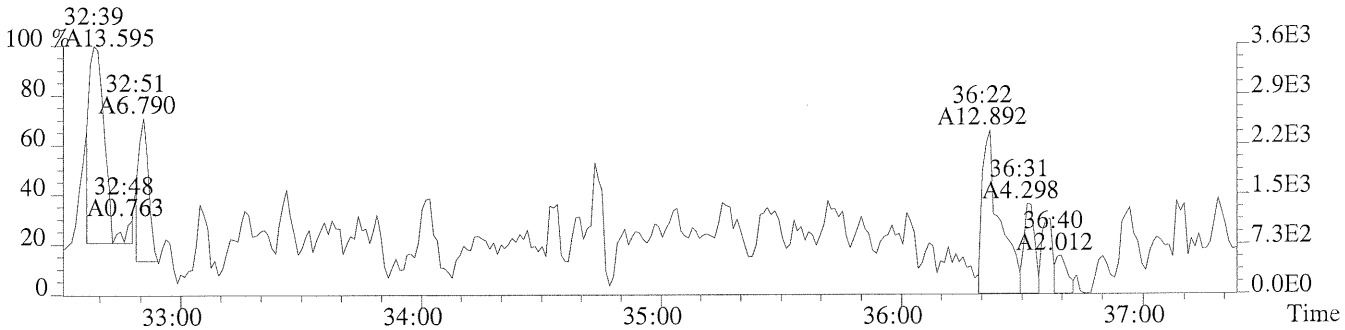


File:U142169 #1-312 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

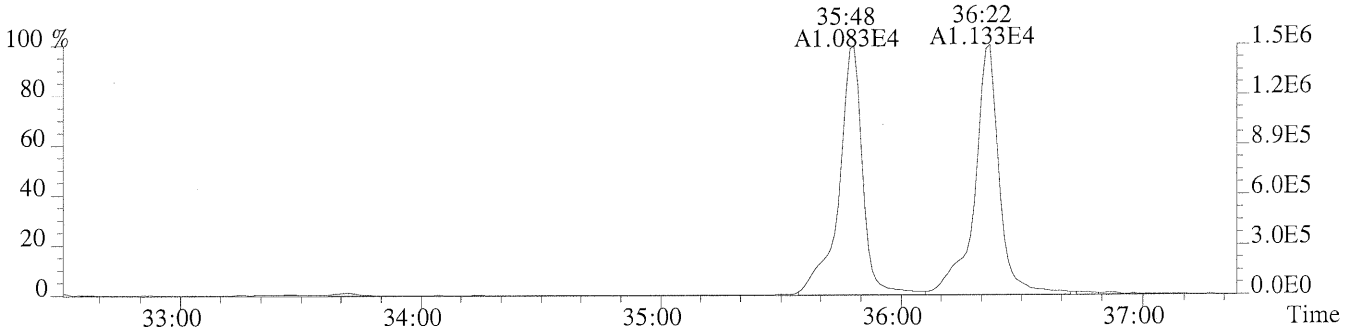
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1084.0,1.00%,F,T)



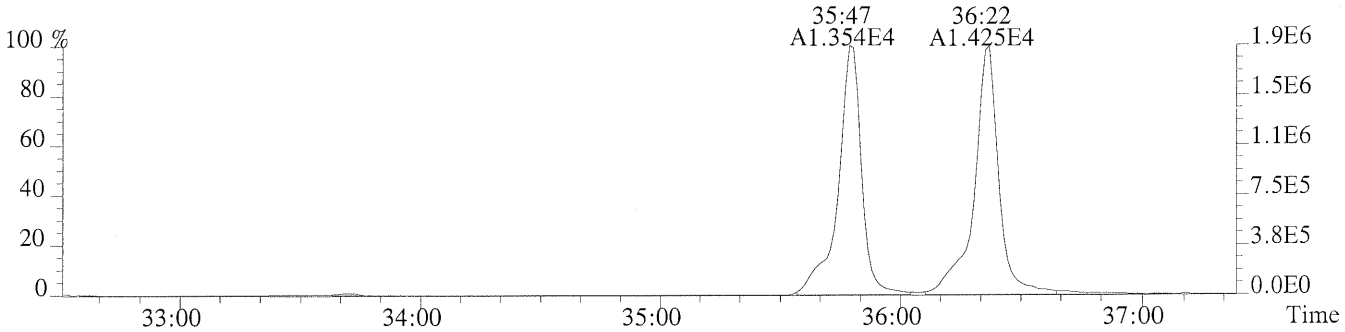
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)



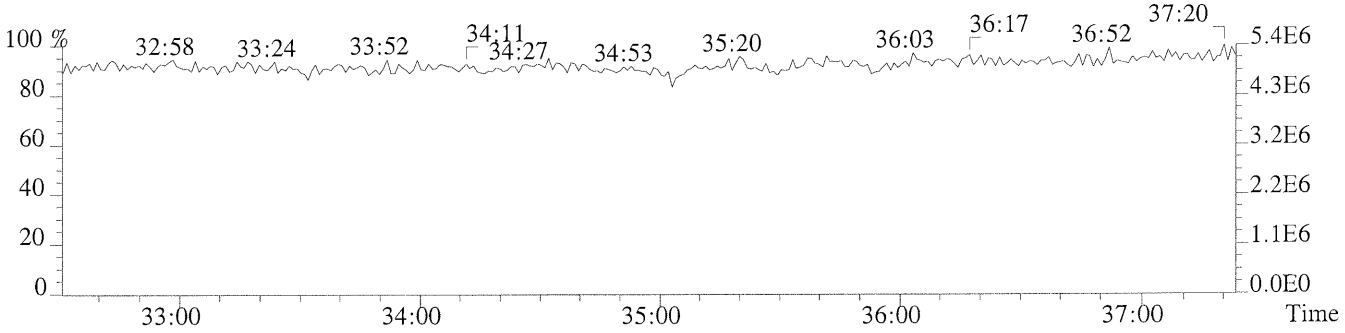
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1384.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,948.0,1.00%,F,T)

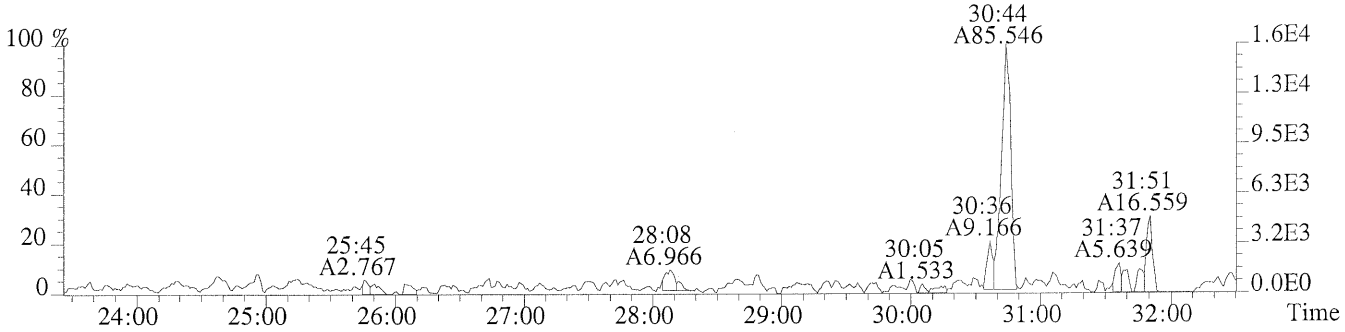


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

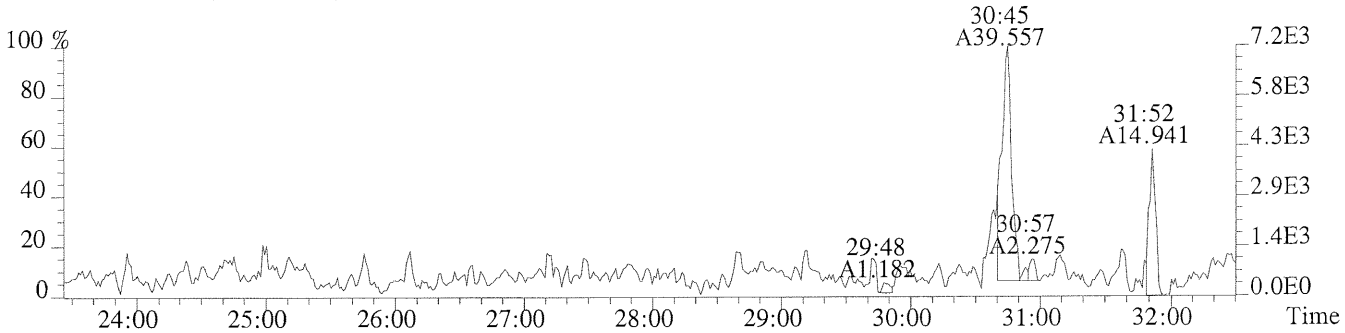


File:U142169 #1-580 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

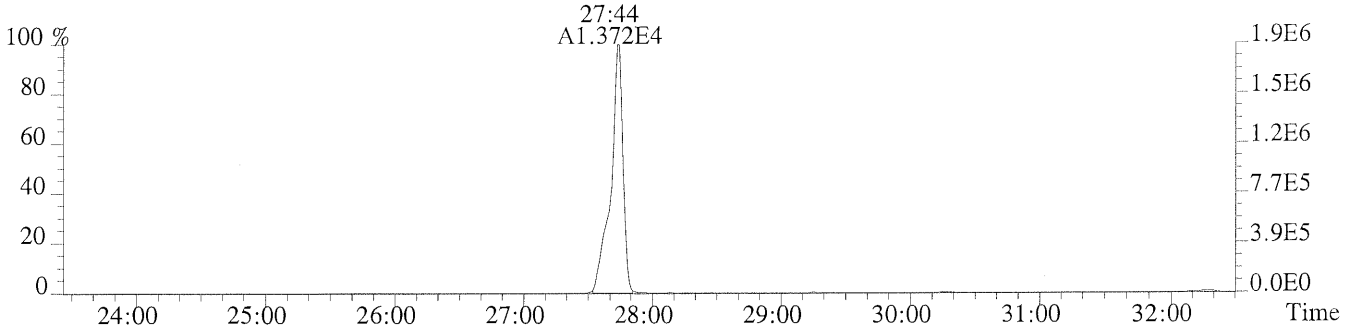
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,552.0,1.00%,F,T)



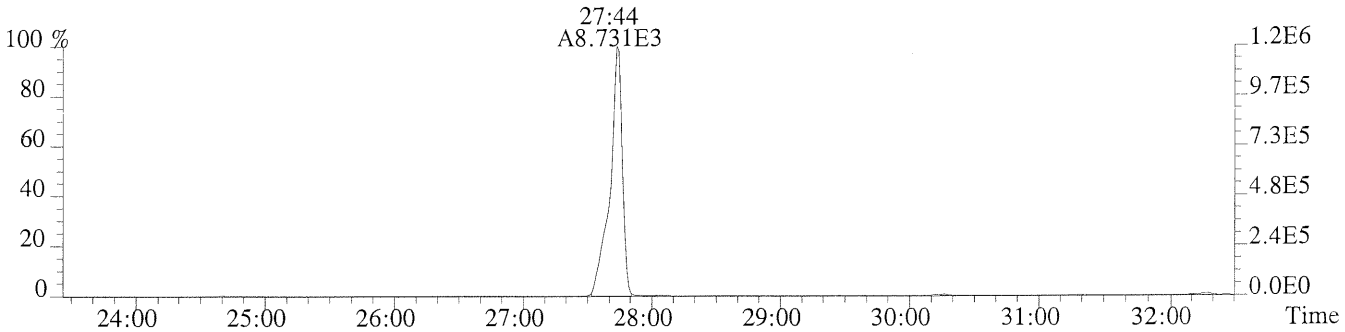
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,732.0,1.00%,F,T)



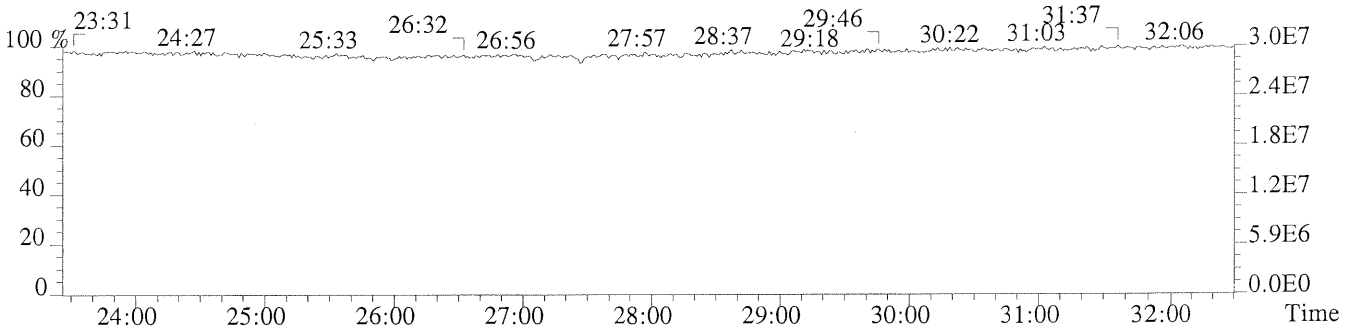
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)

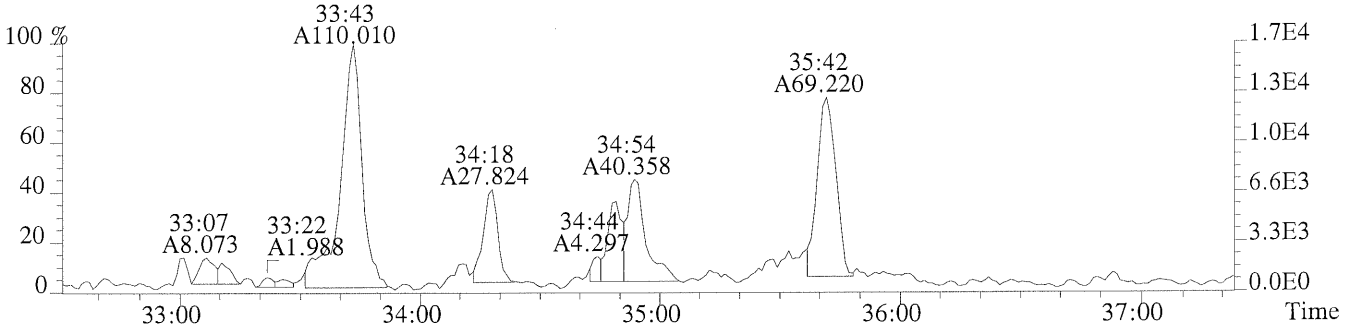


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

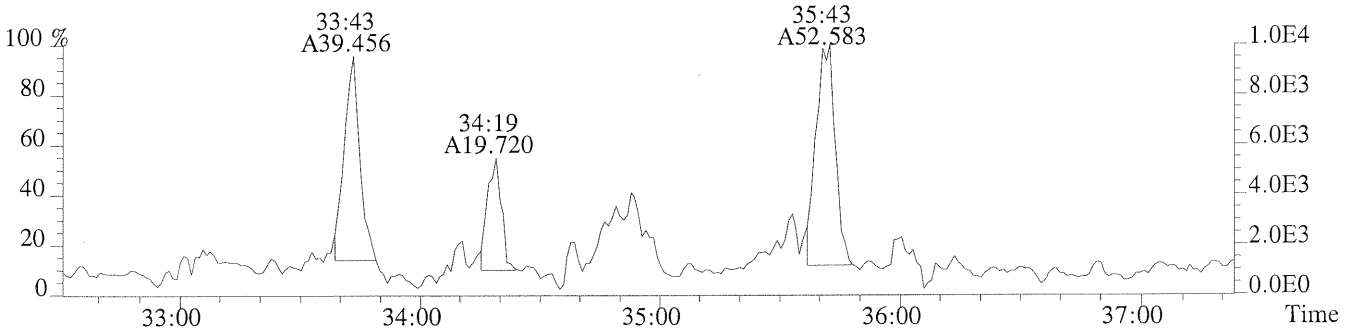


File:U142169 #1-312 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

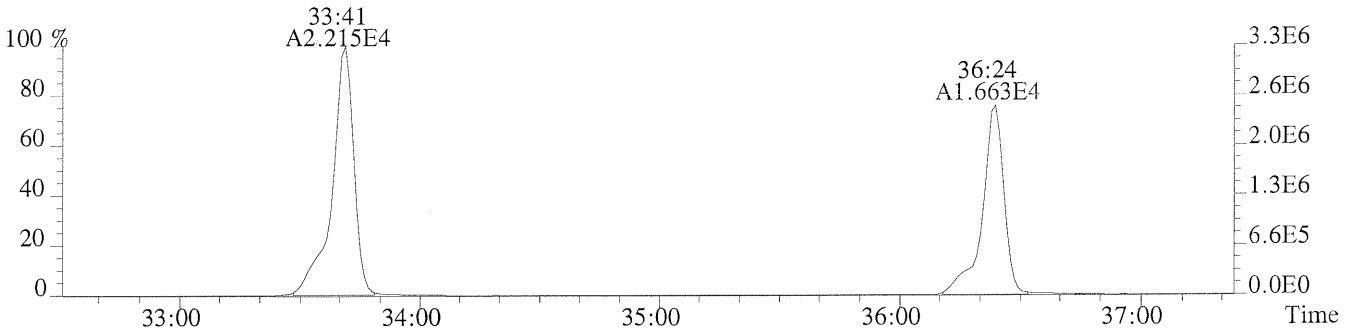
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,728.0,1.00%,F,T)



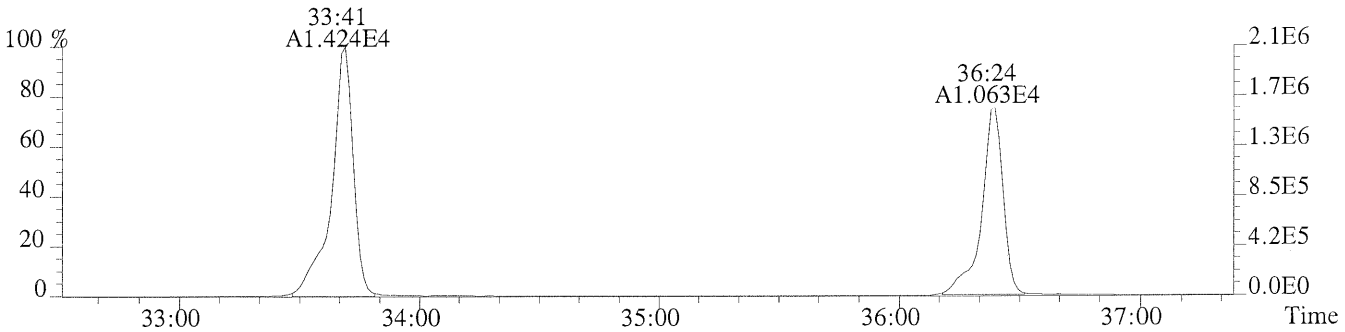
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1348.0,1.00%,F,T)



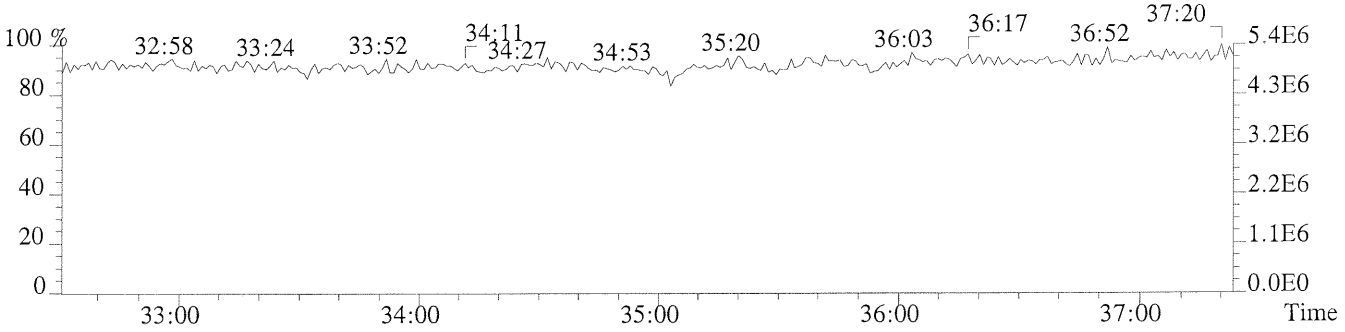
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1872.0,1.00%,F,T)



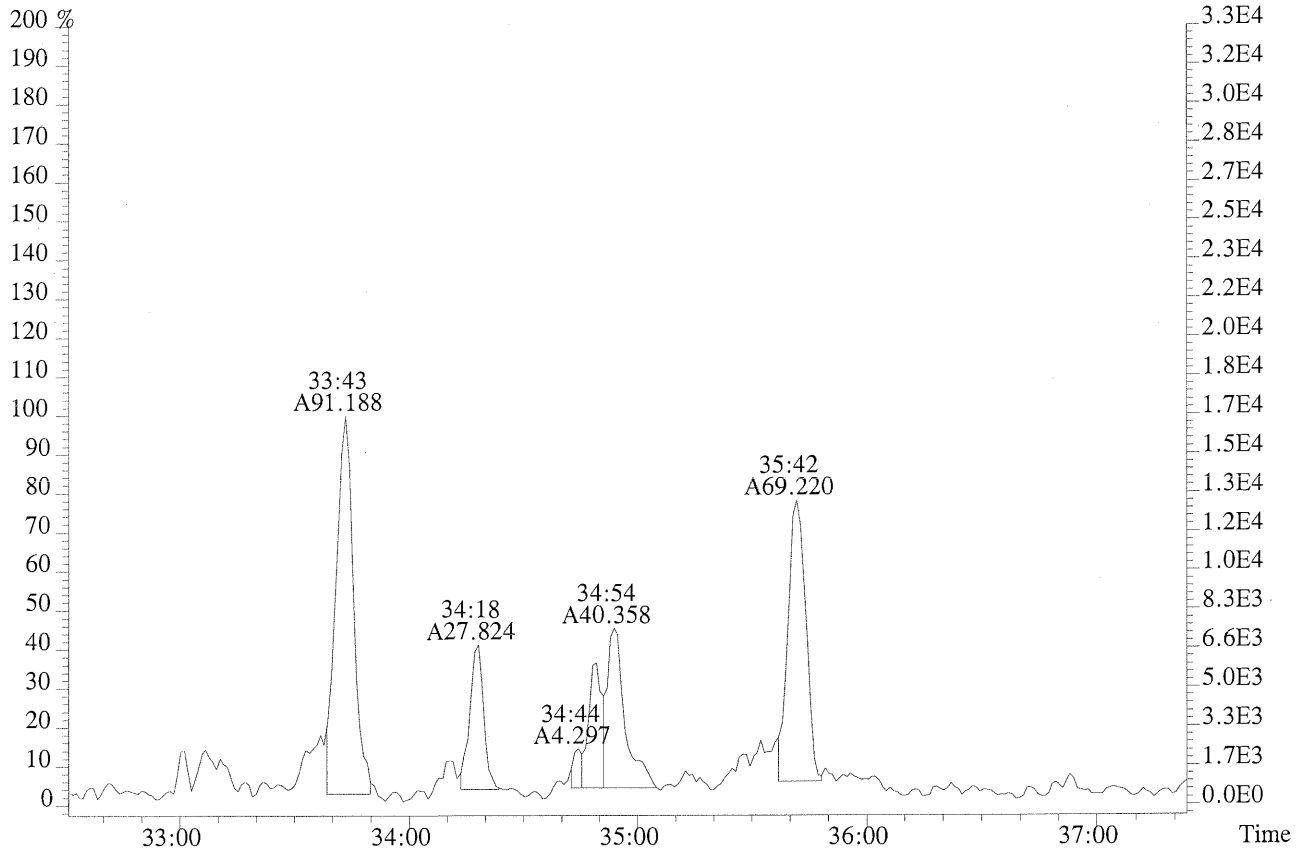
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1532.0,1.00%,F,T)



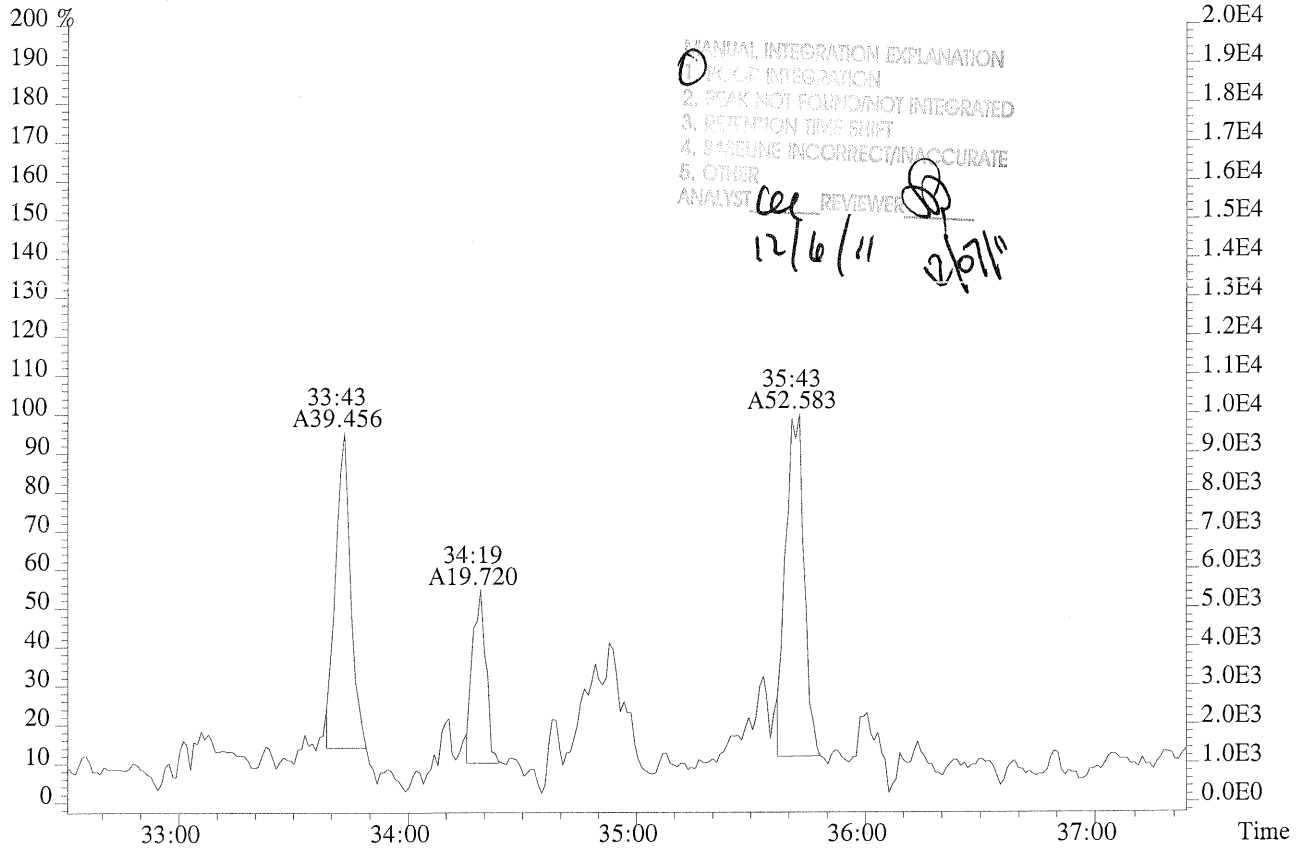
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142169 #1-312 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-007 Rinsate
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,728.0,1.00%,F,T)

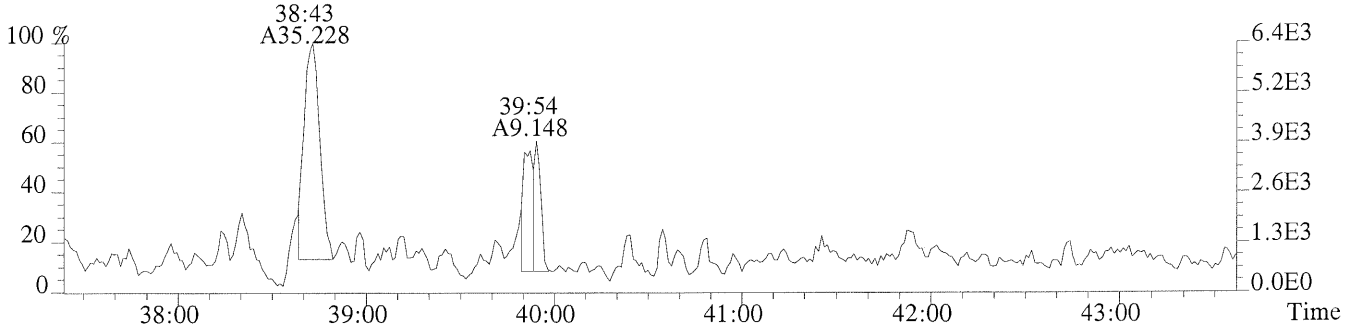


327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1348.0,1.00%,F,T)

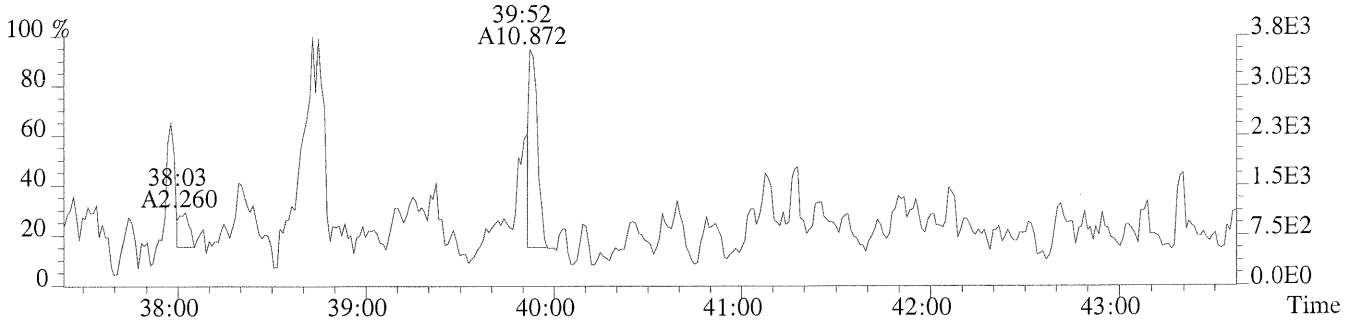


File:U142169 #1-398 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

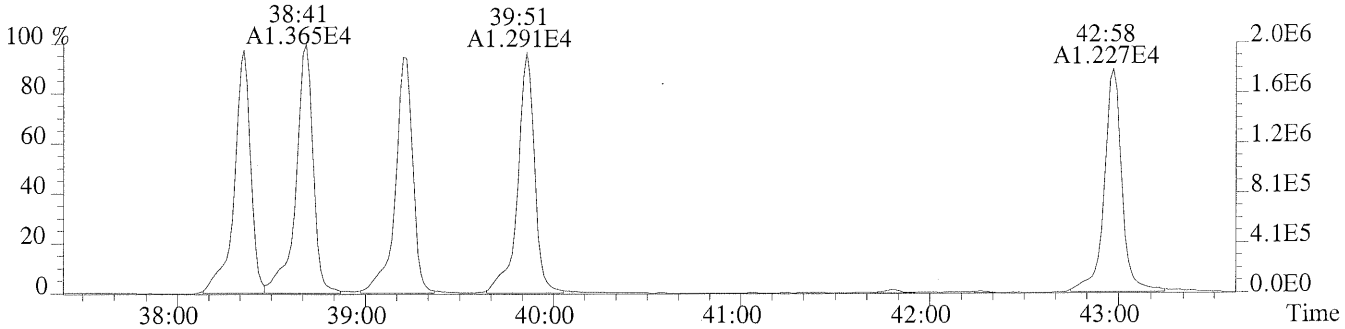
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1128.0,1.00%,F,T)



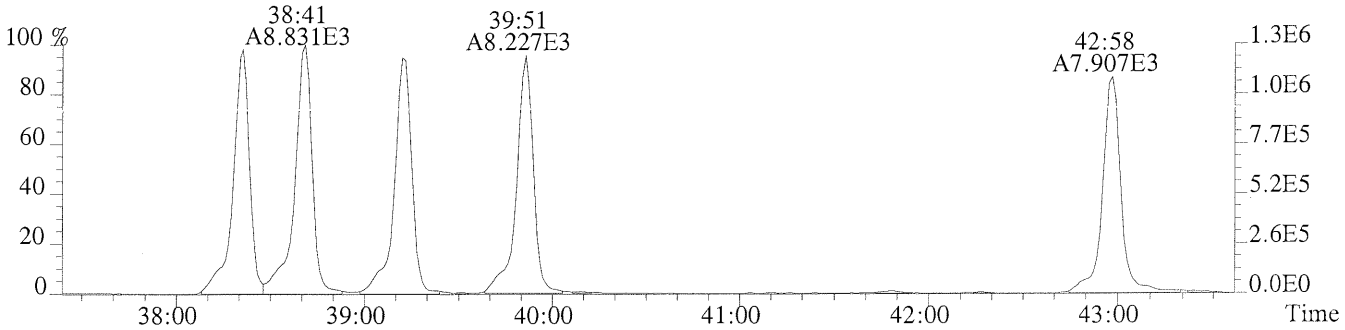
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)



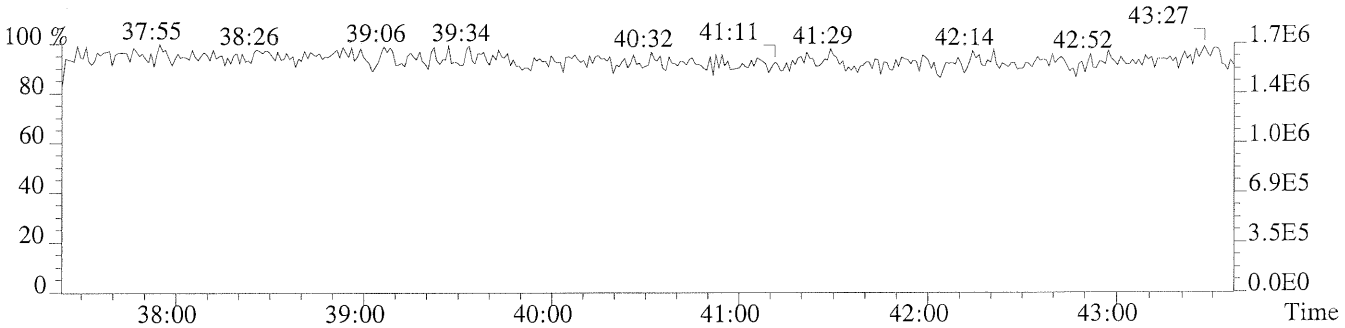
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2920.0,1.00%,F,T)



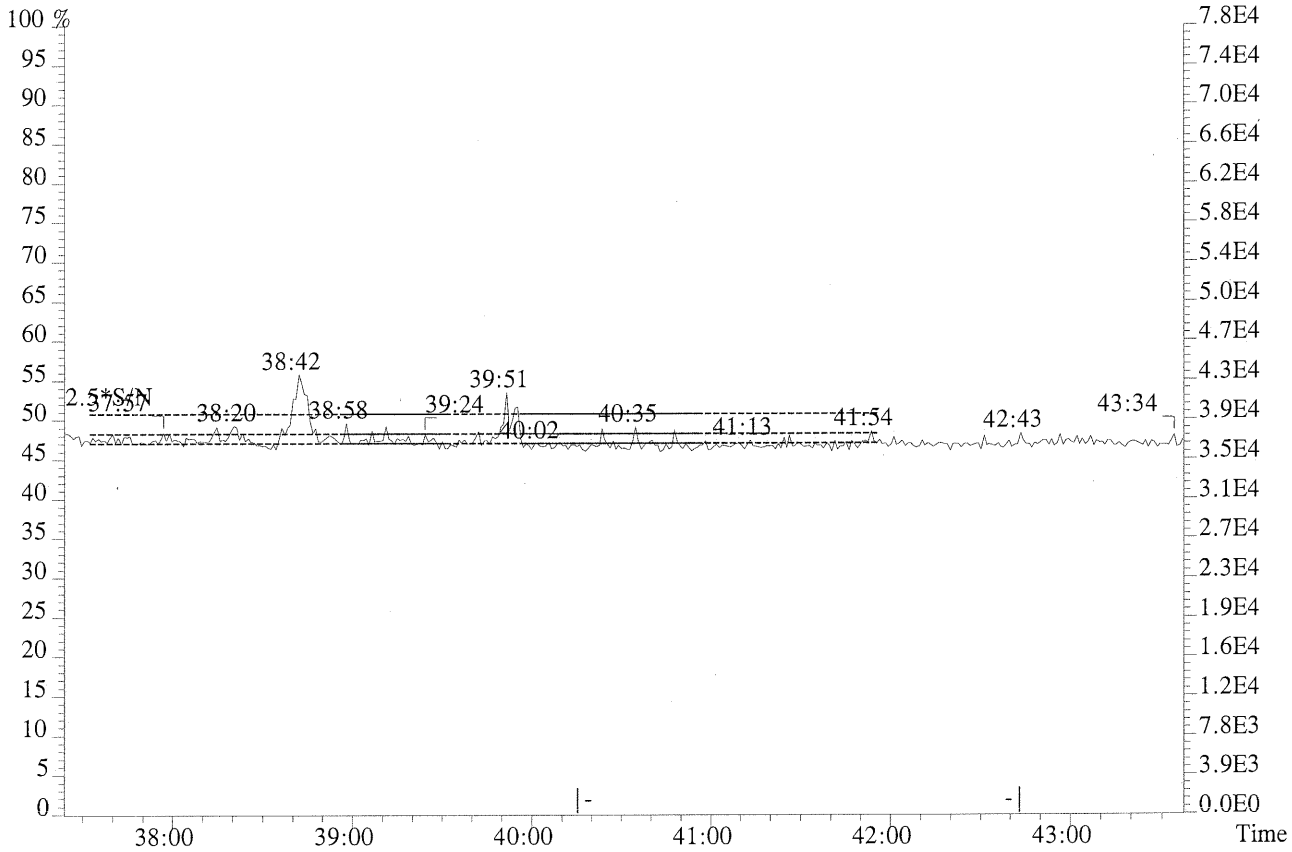
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1576.0,1.00%,F,T)



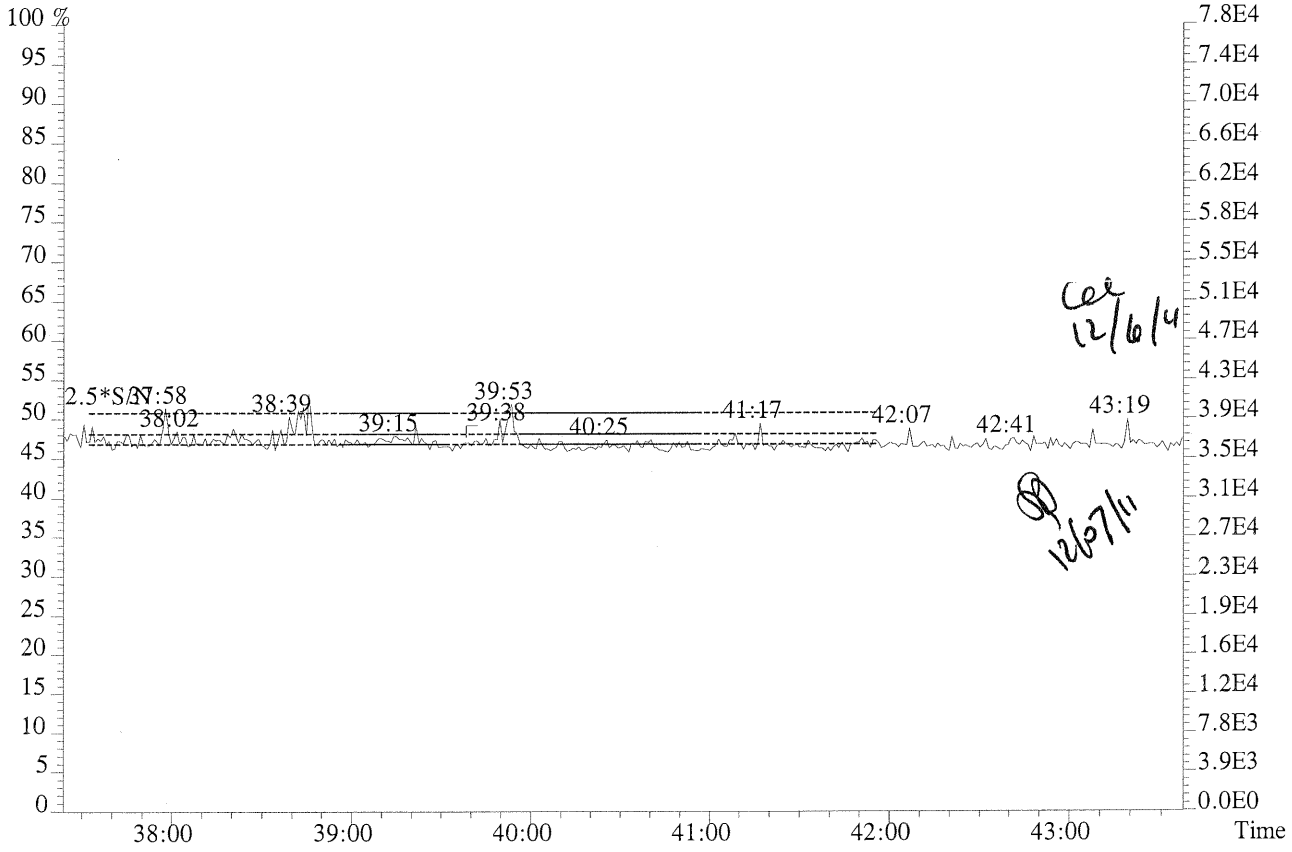
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142169 #1-398 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-007 Rinsate
325.8804 F:5



327.8775 F:5



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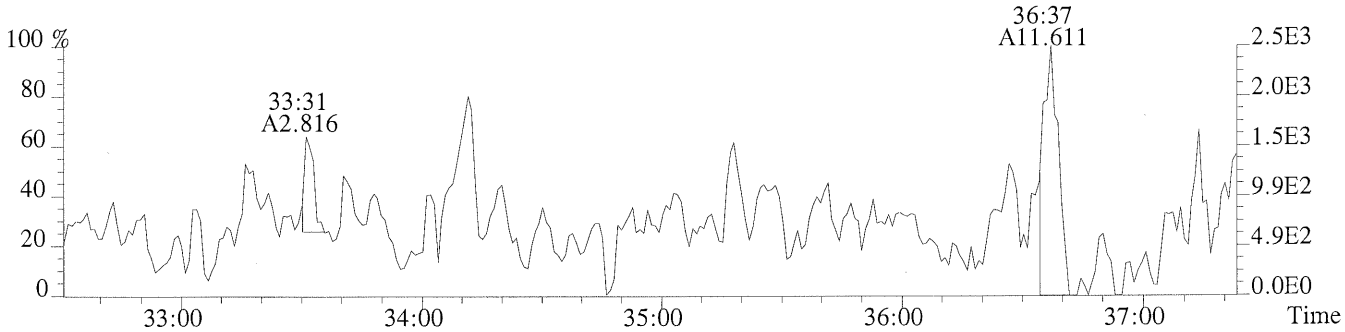
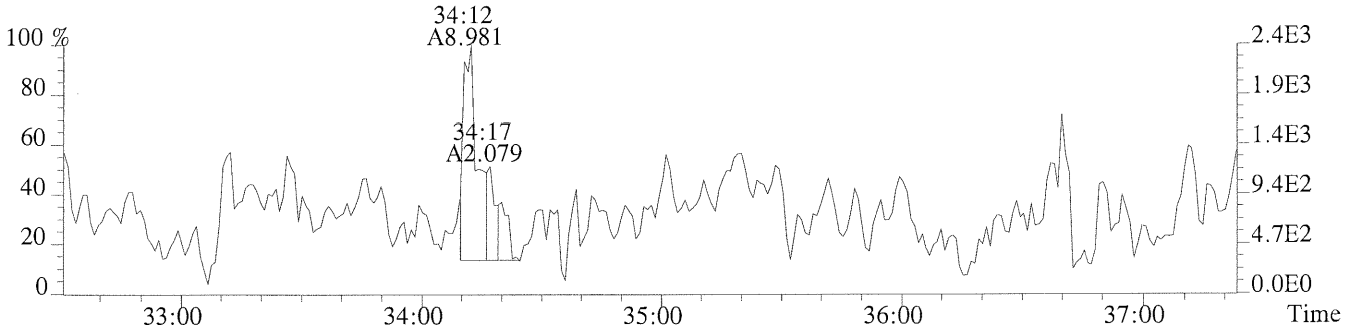
12/07/11

File:U142169 #1-312 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

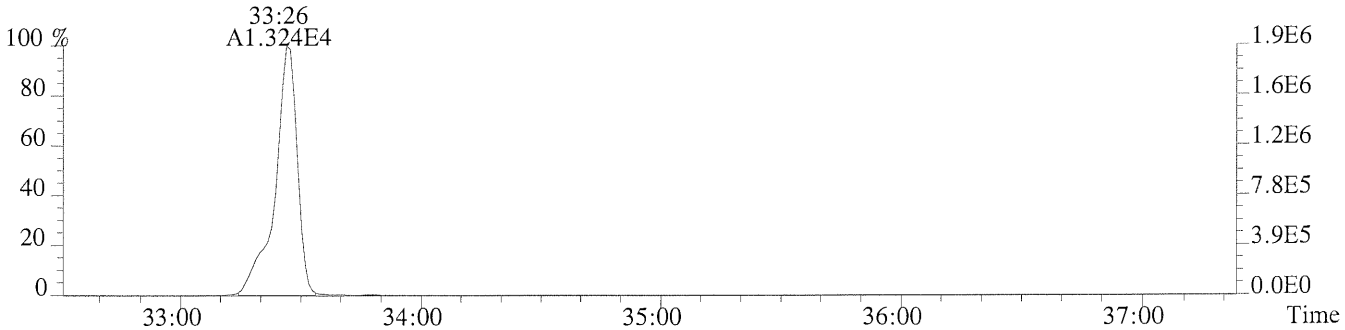
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



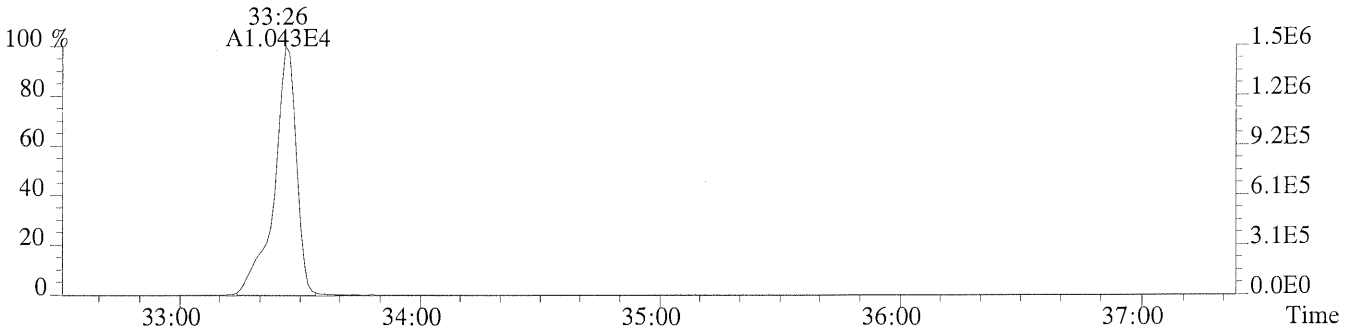
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



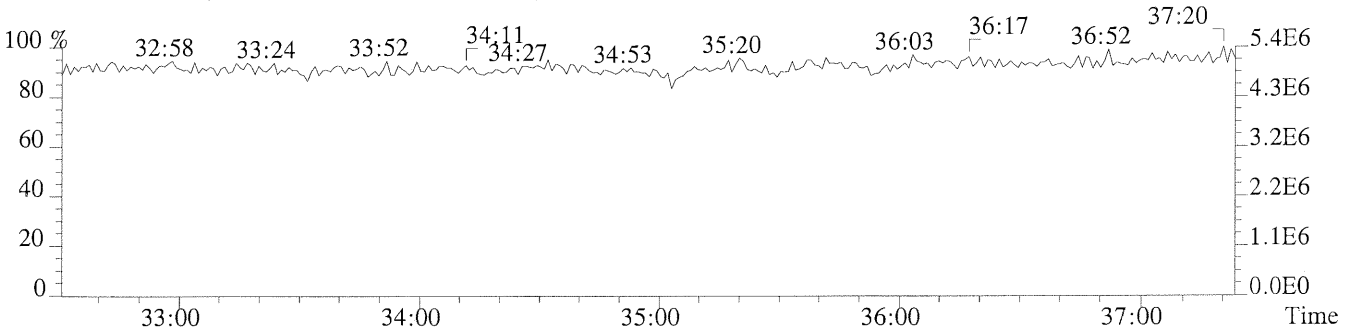
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,948.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,940.0,1.00%,F,T)

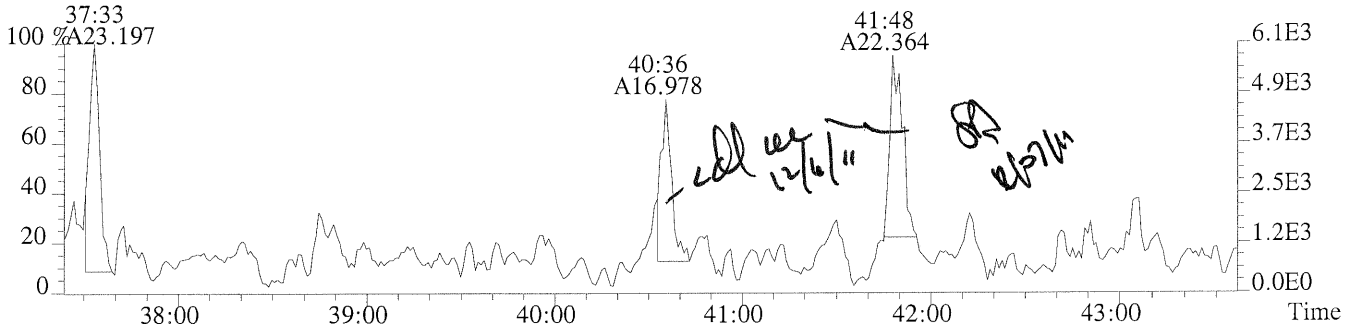


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

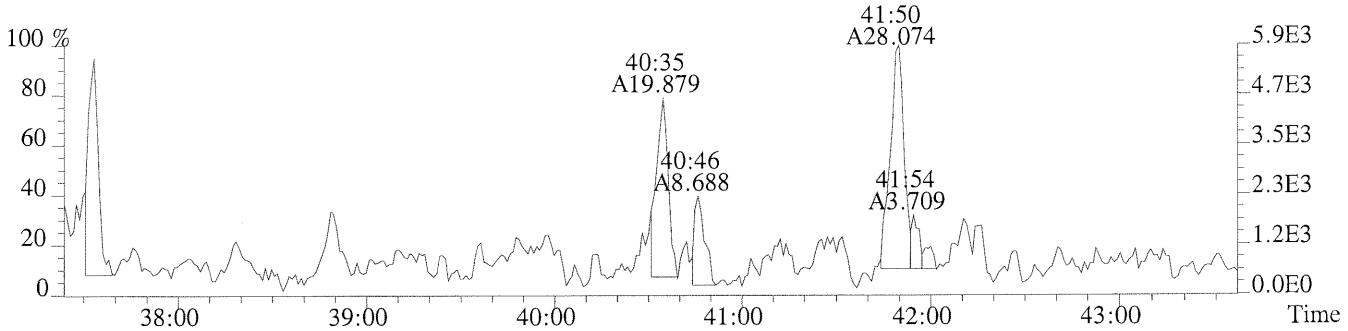


File:U142169 #1-398 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

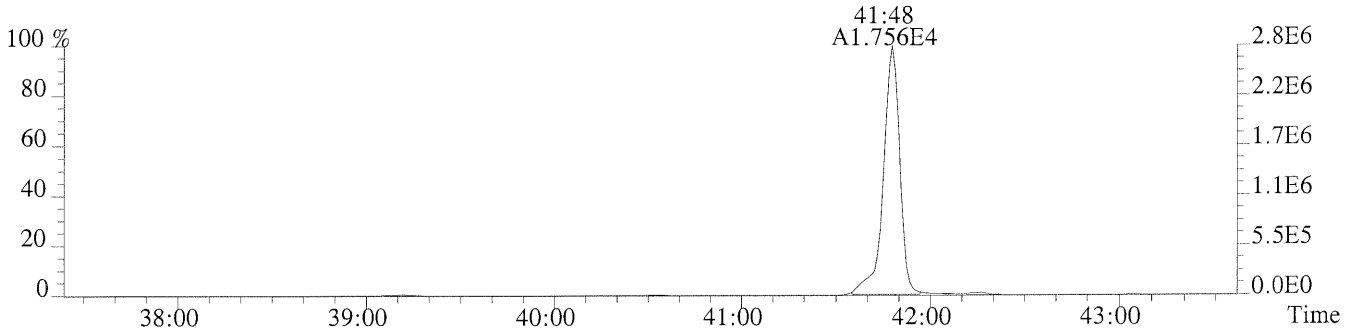
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1104.0,1.00%,F,T)



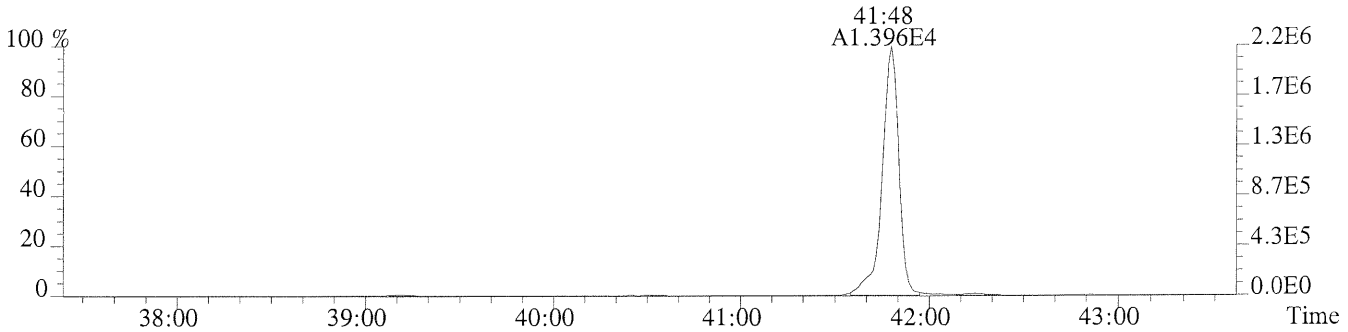
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)



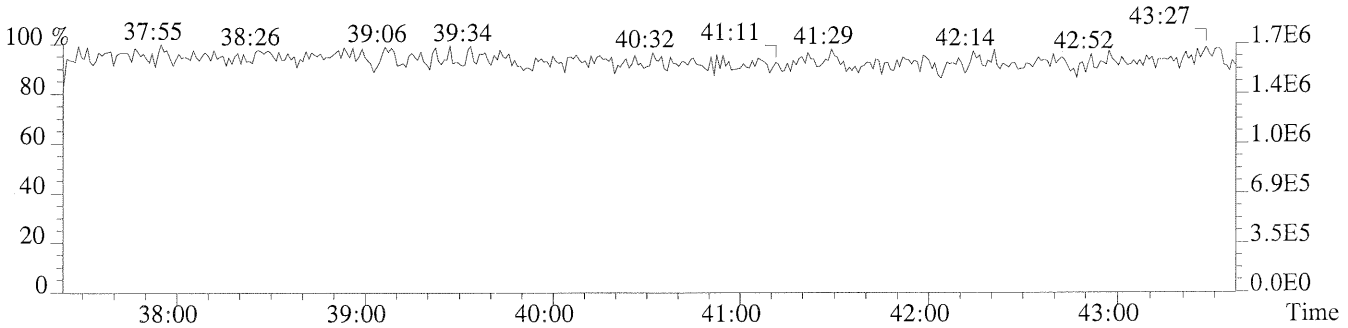
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1012.0,1.00%,F,T)



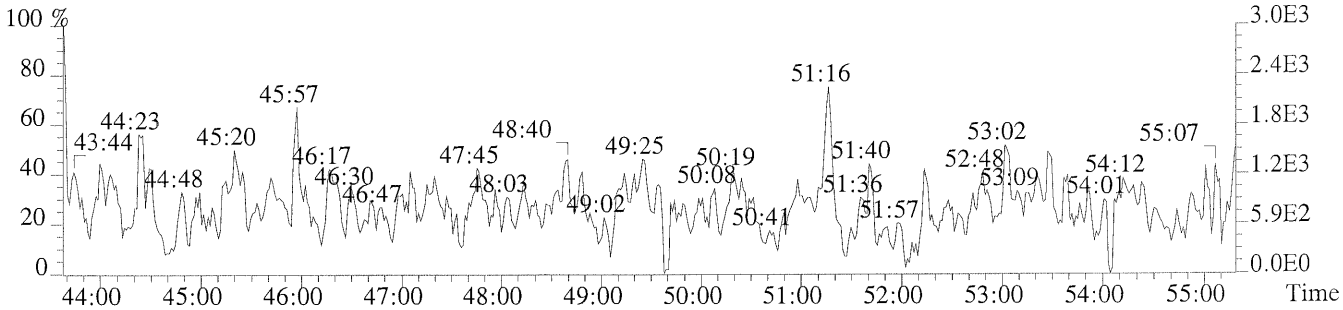
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1444.0,1.00%,F,T)



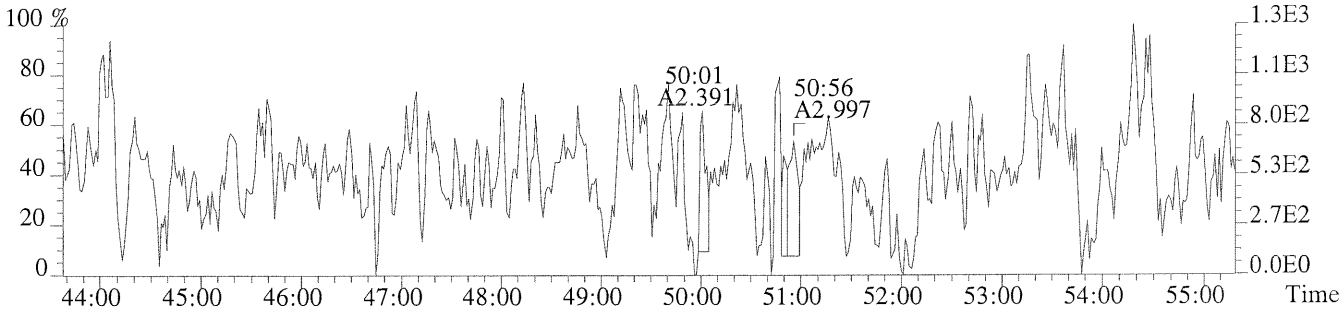
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



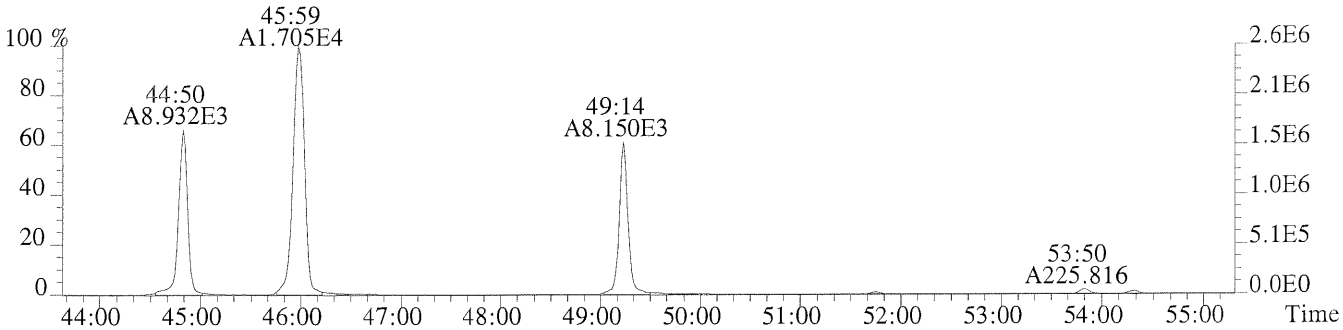
File:U142169 #1-579 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1044.0,1.00%,F,T)



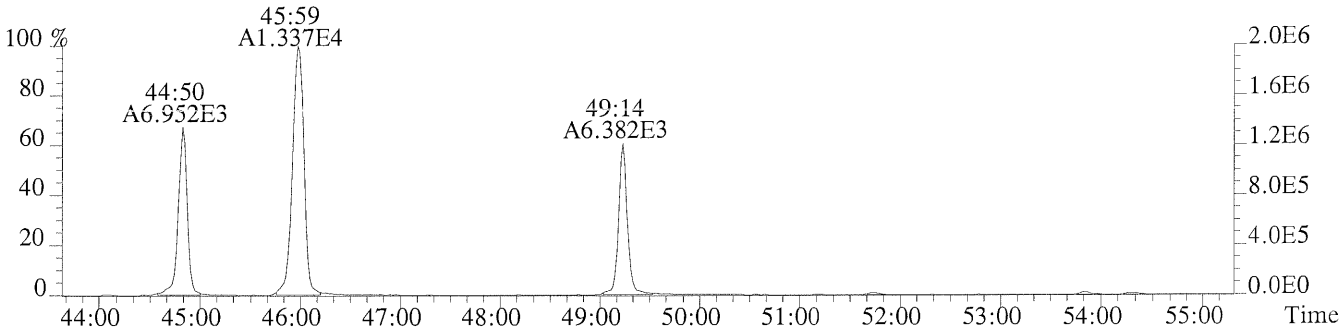
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,720.0,1.00%,F,T)



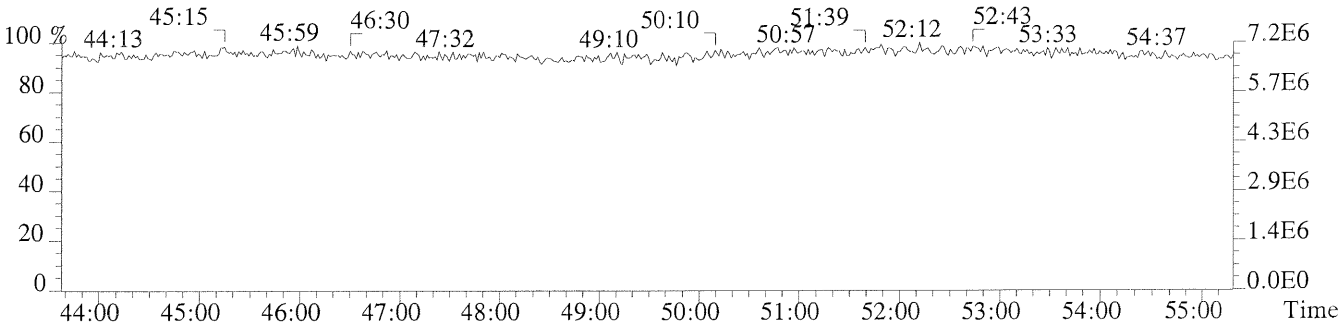
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1180.0,1.00%,F,T)



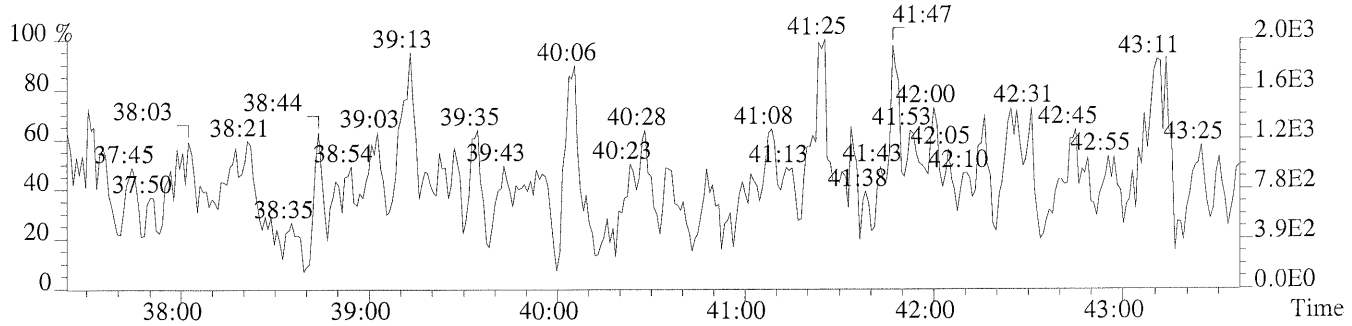
373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2596.0,1.00%,F,T)



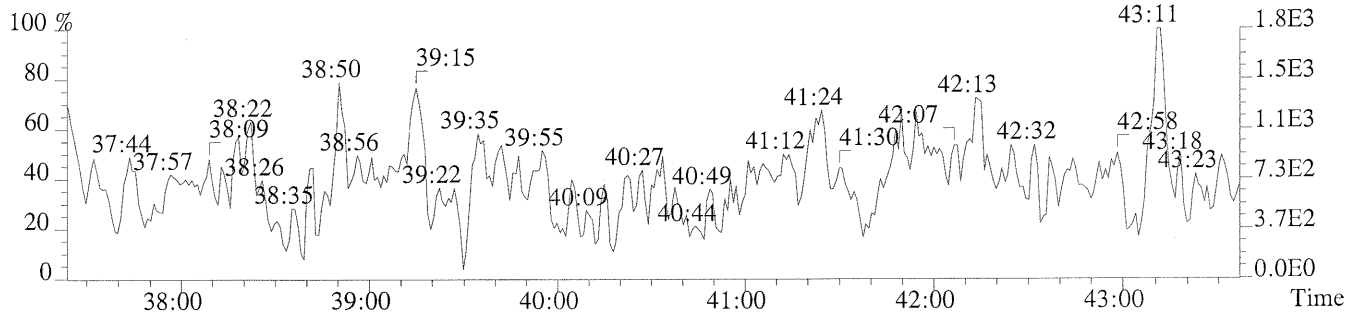
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



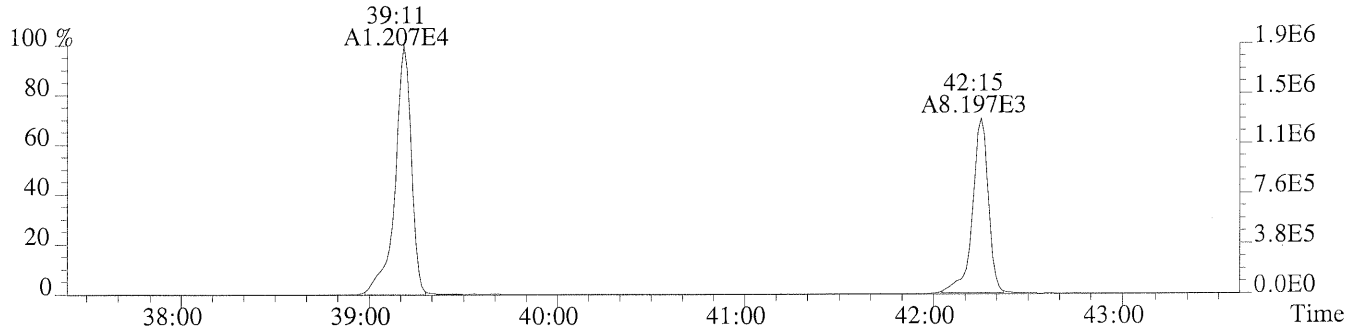
File:U142169 #1-398 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1044.0,1.00%,F,T)



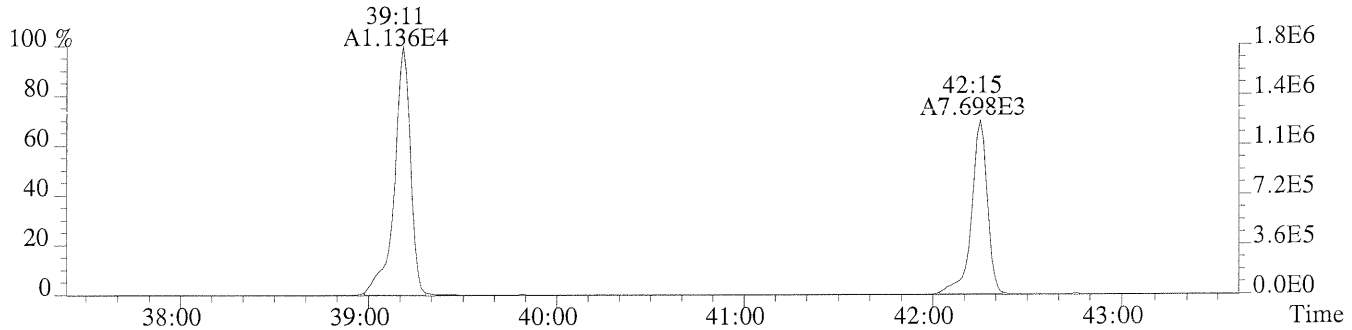
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)



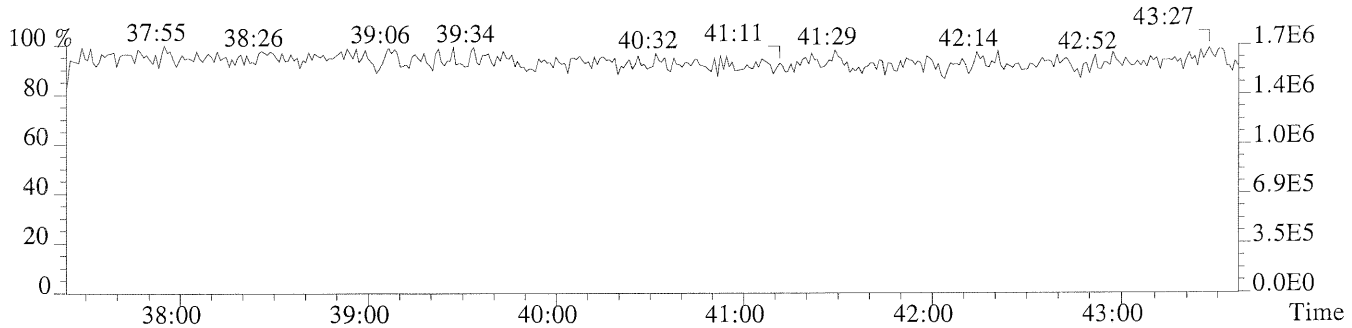
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1492.0,1.00%,F,T)



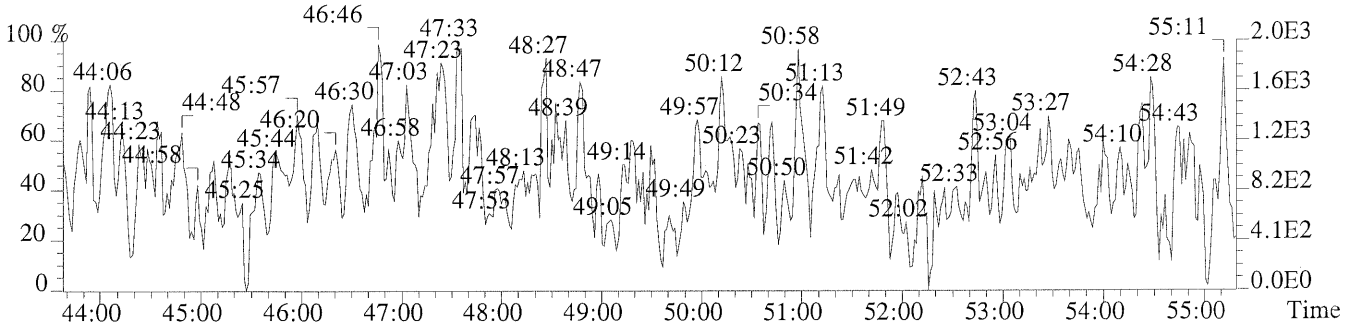
407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,680.0,1.00%,F,T)



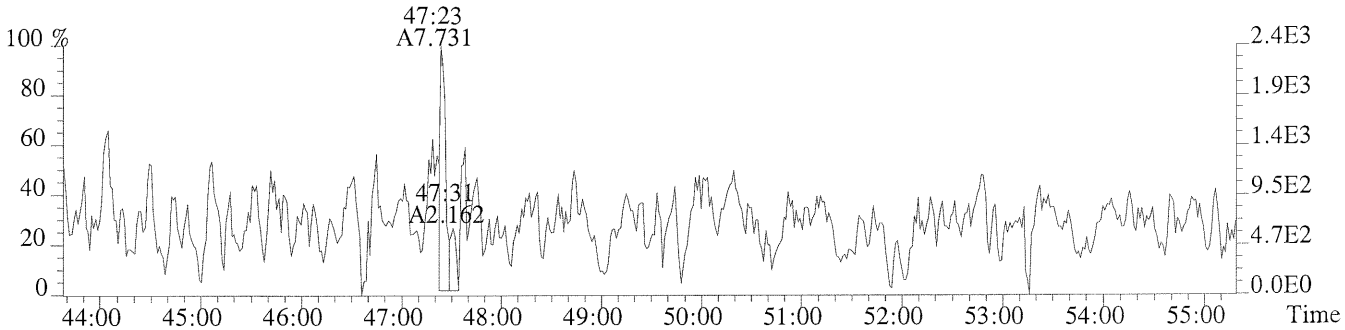
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



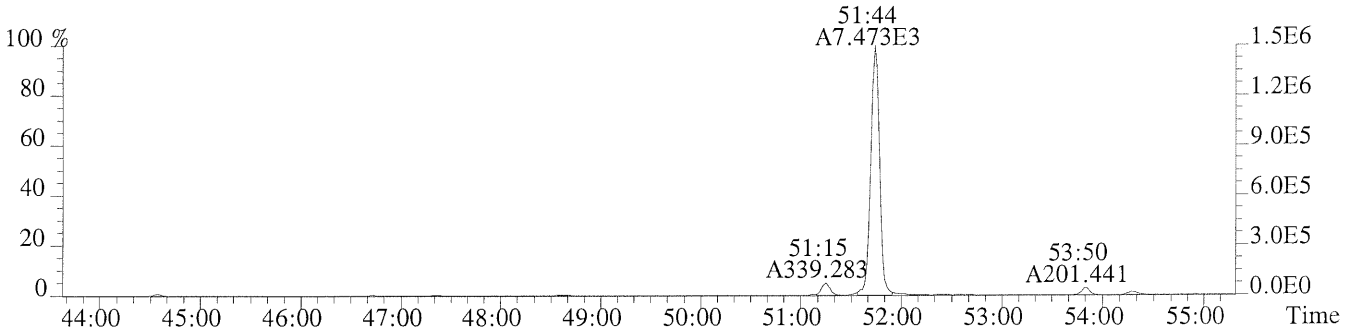
File:U142169 #1-579 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1164.0,1.00%,F,T)



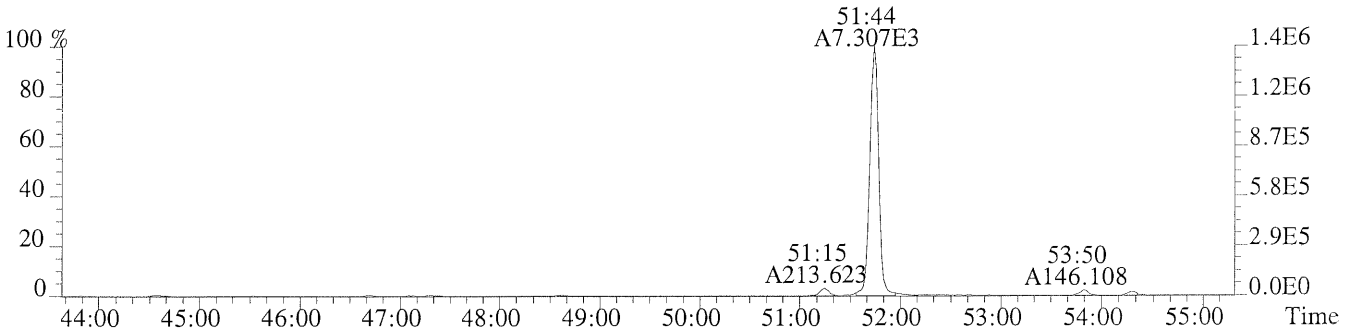
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)



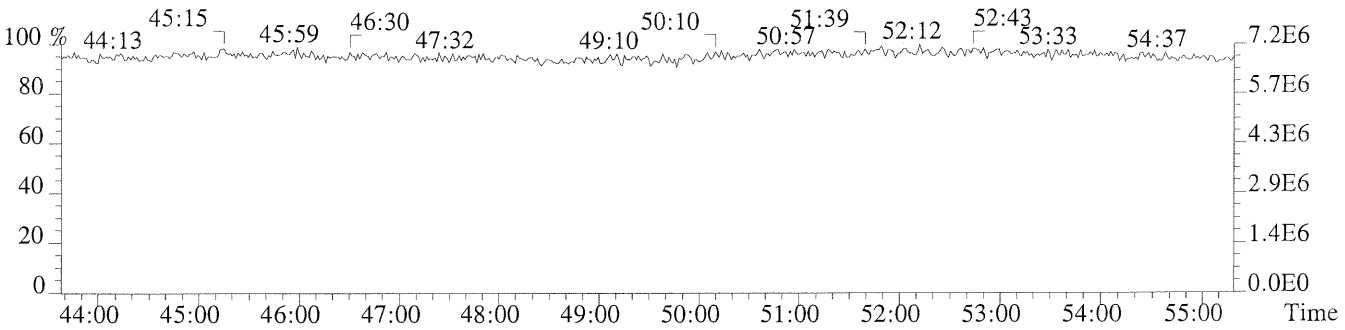
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1052.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1348.0,1.00%,F,T)

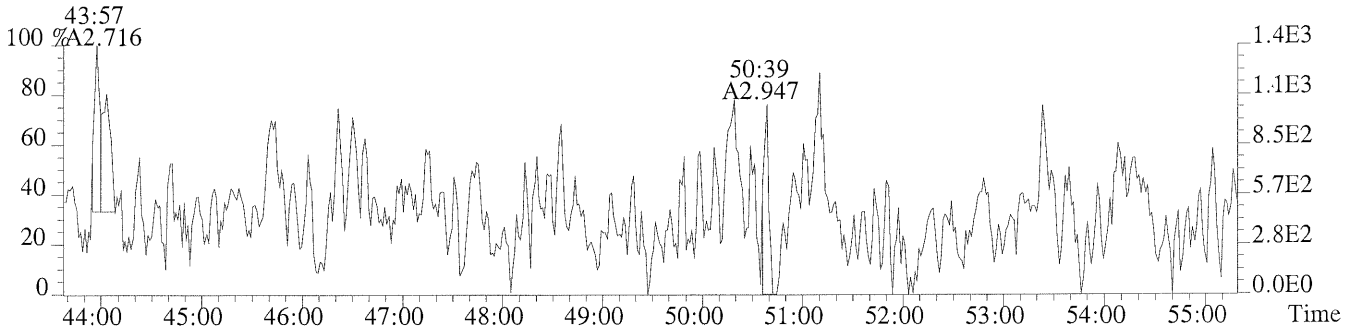


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

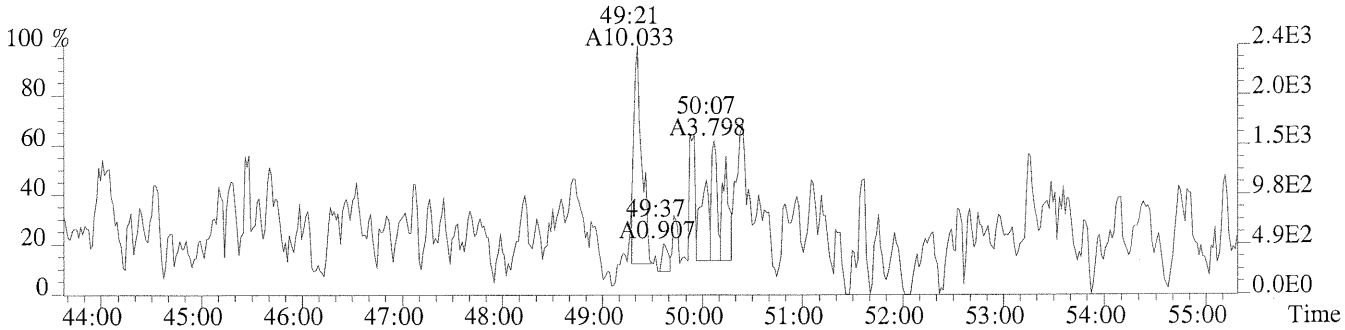


File:U142169 #1-579 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

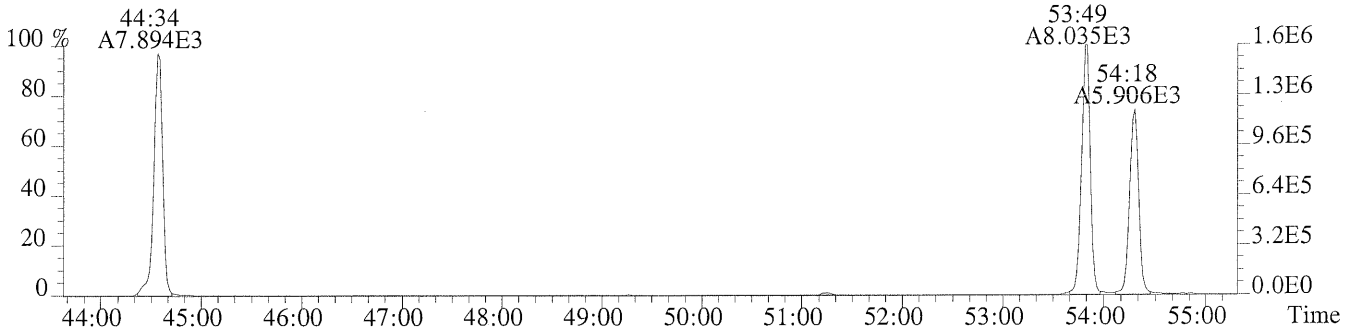
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,592.0,1.00%,F,T)



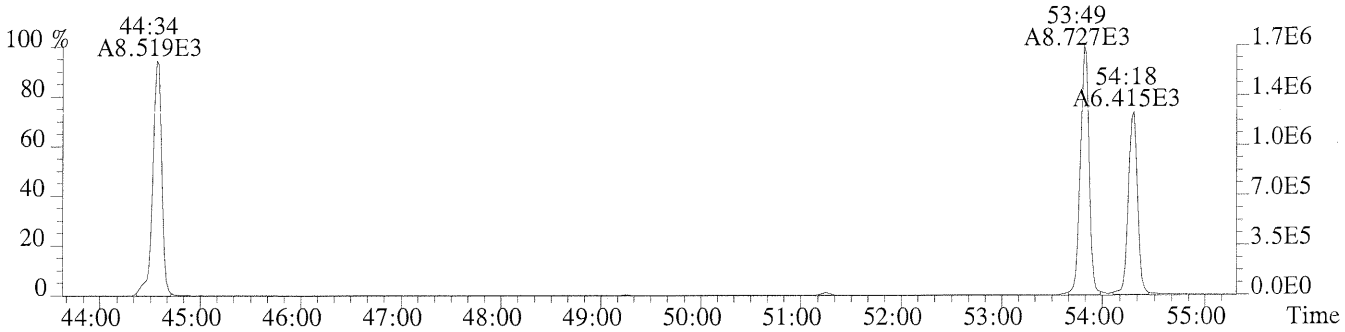
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



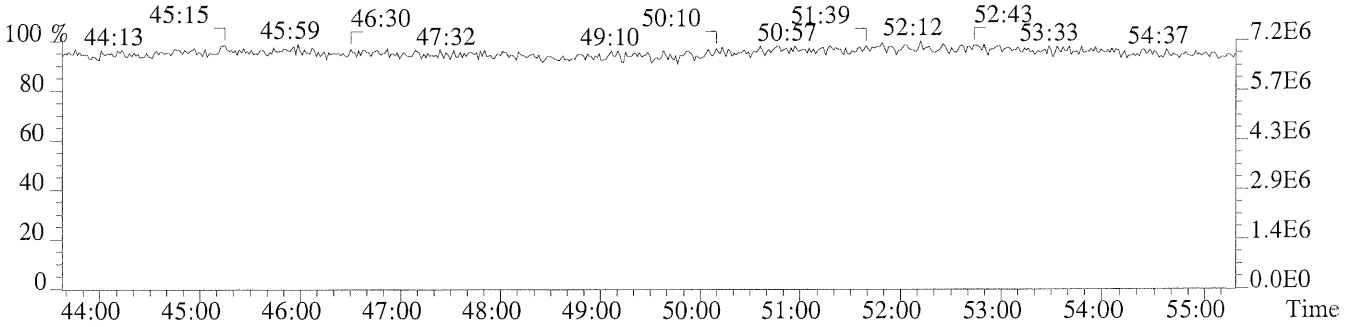
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1256.0,1.00%,F,T)

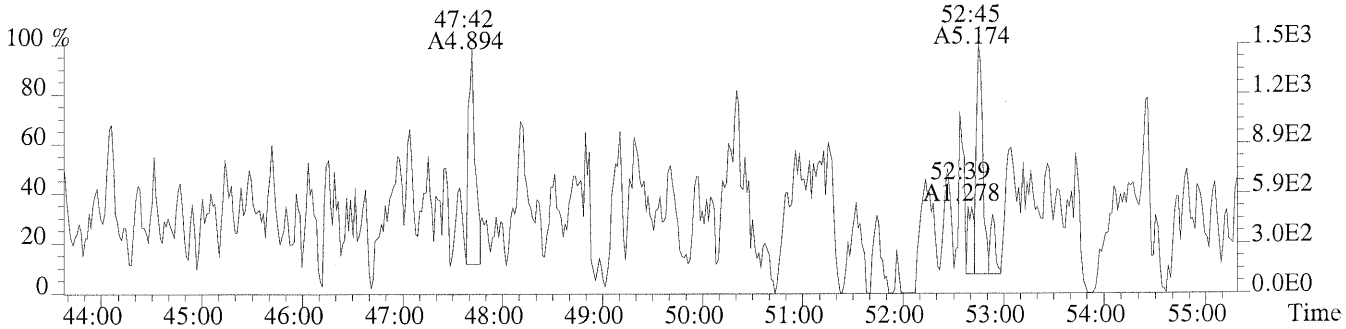


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

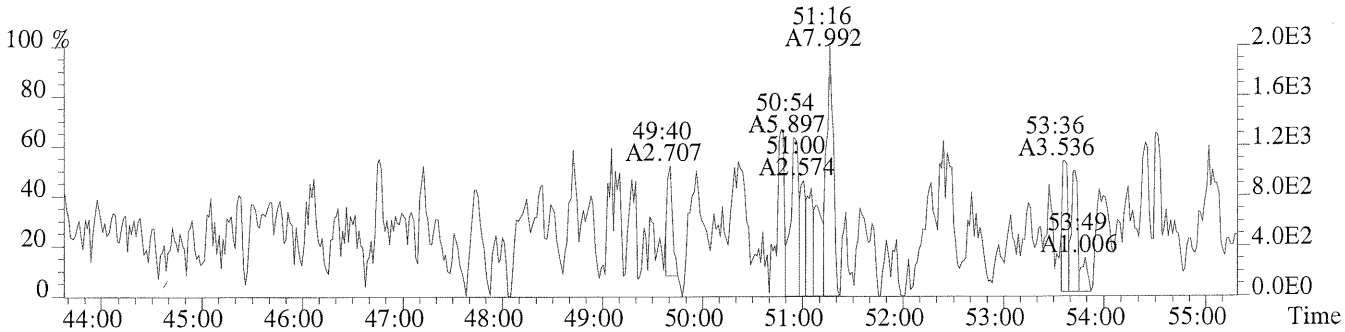


File:U142169 #1-579 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

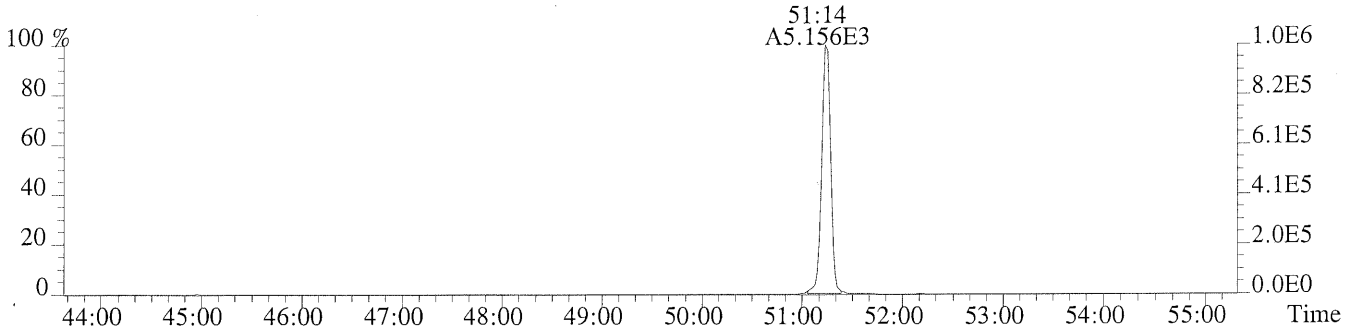
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,584.0,1.00%,F,T)



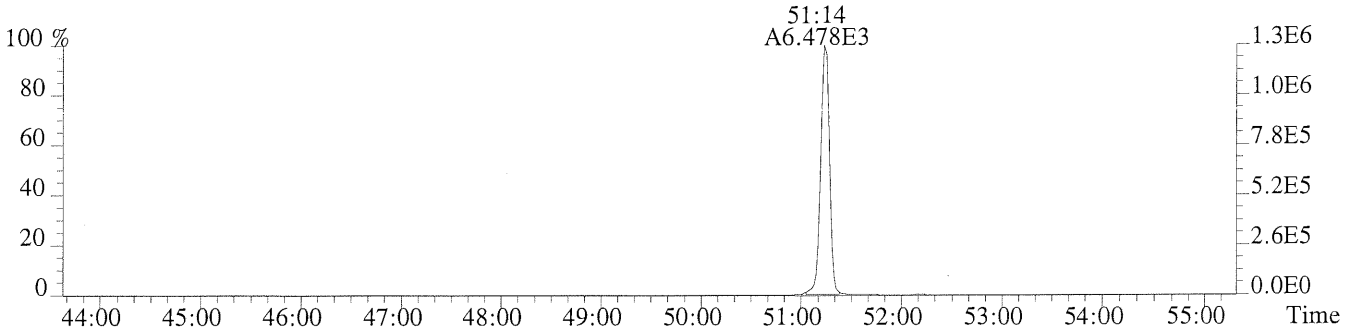
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,680.0,1.00%,F,T)



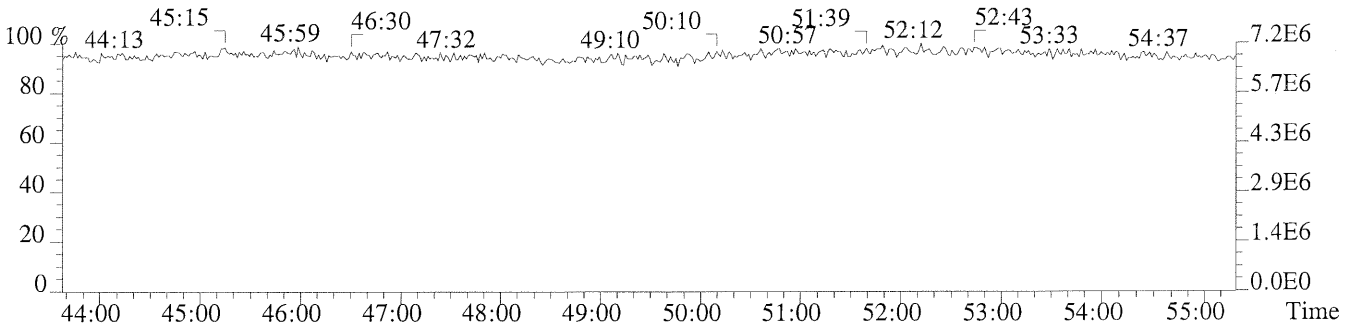
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,700.0,1.00%,F,T)



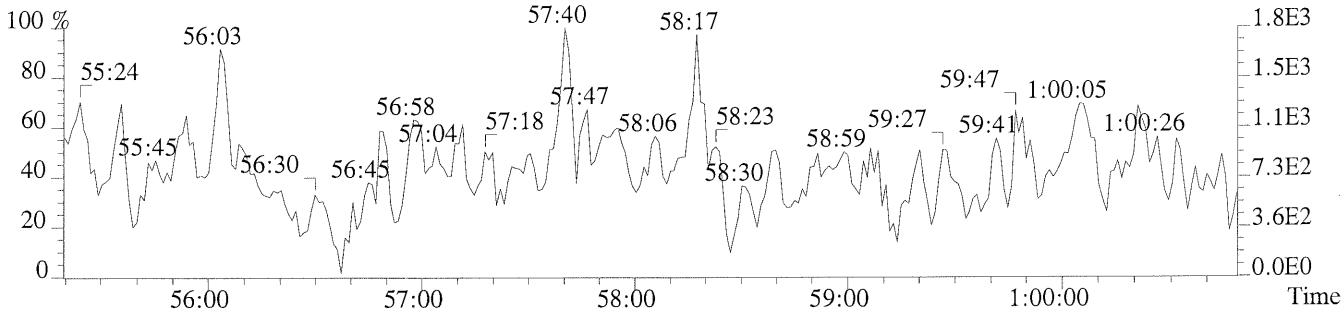
475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,692.0,1.00%,F,T)



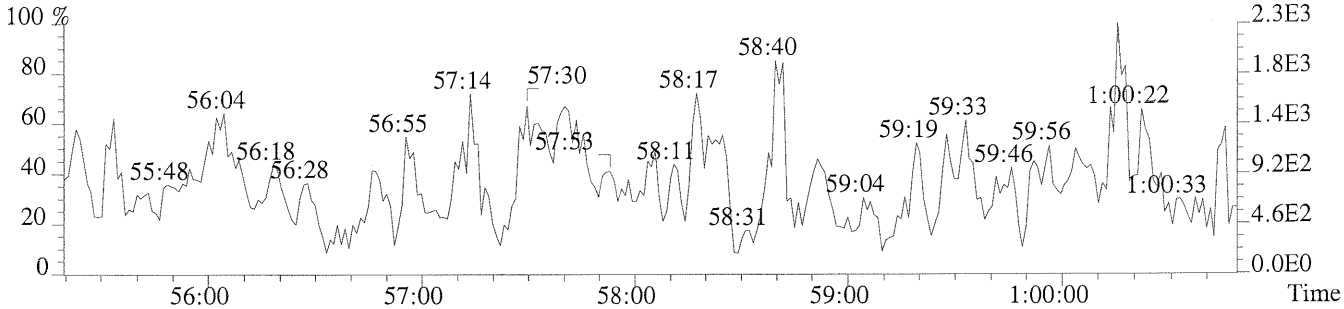
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



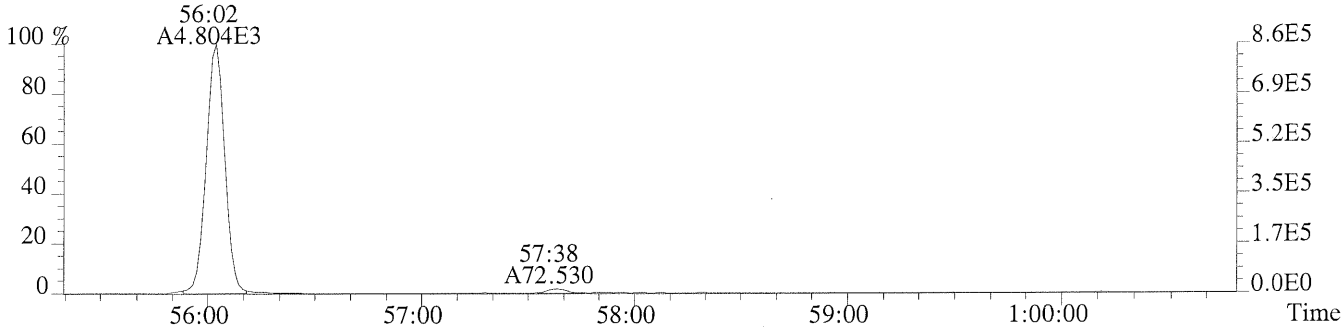
File:U142169 #1-310 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1016.0,1.00%,F,T)



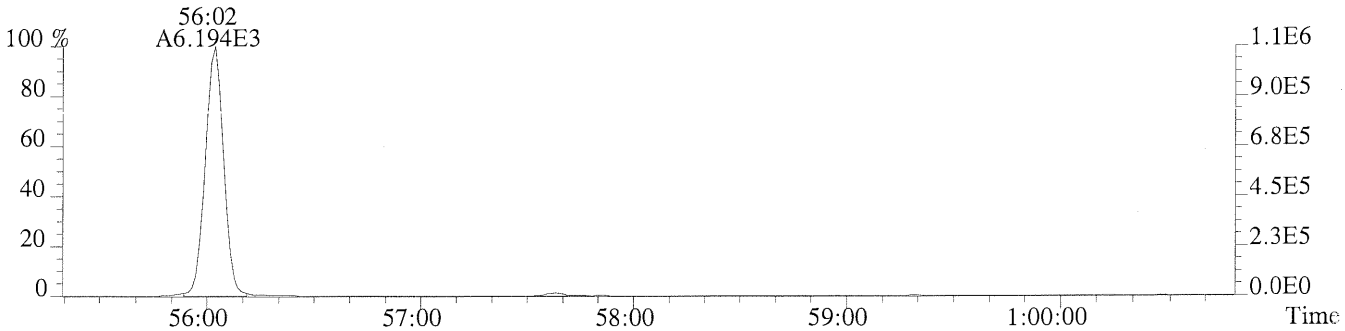
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



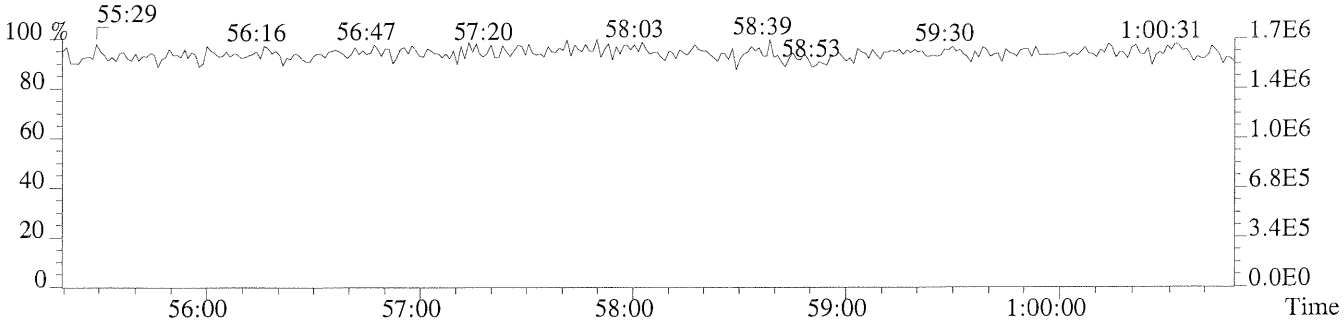
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1140.0,1.00%,F,T)

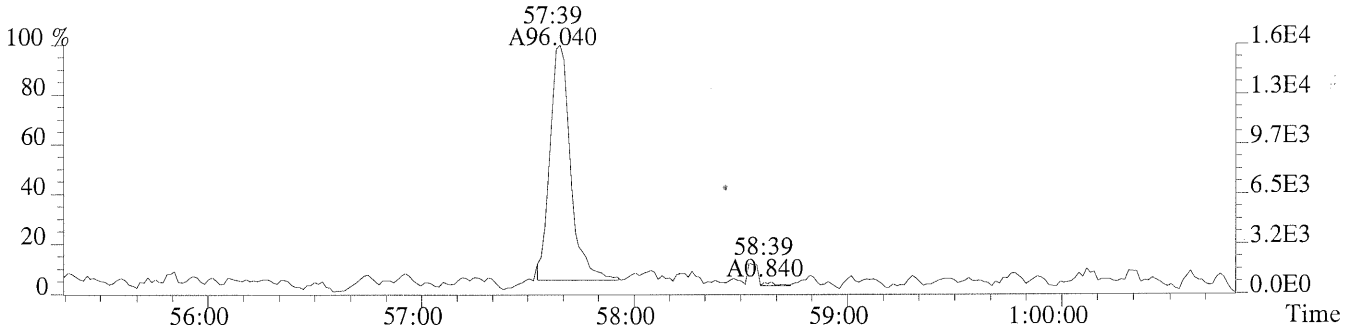


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

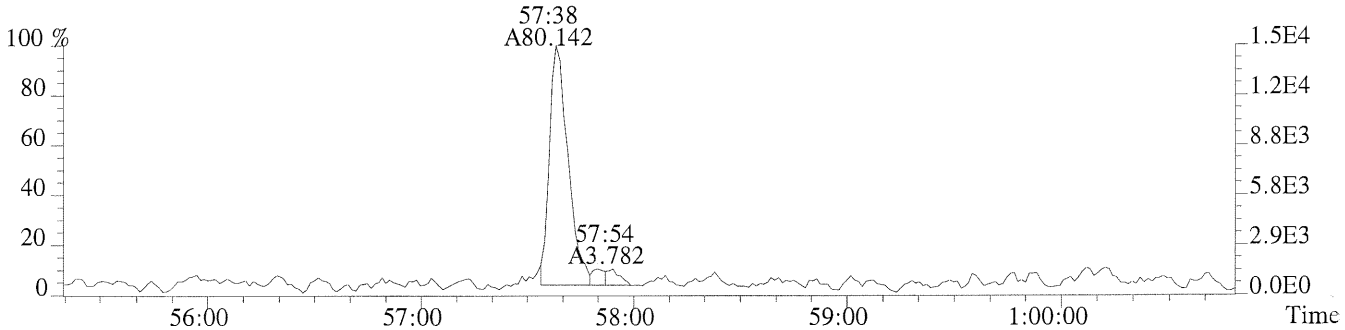


File:U142169 #1-310 Acq:23-NOV-2011 12:20:57 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-007 Rinsate

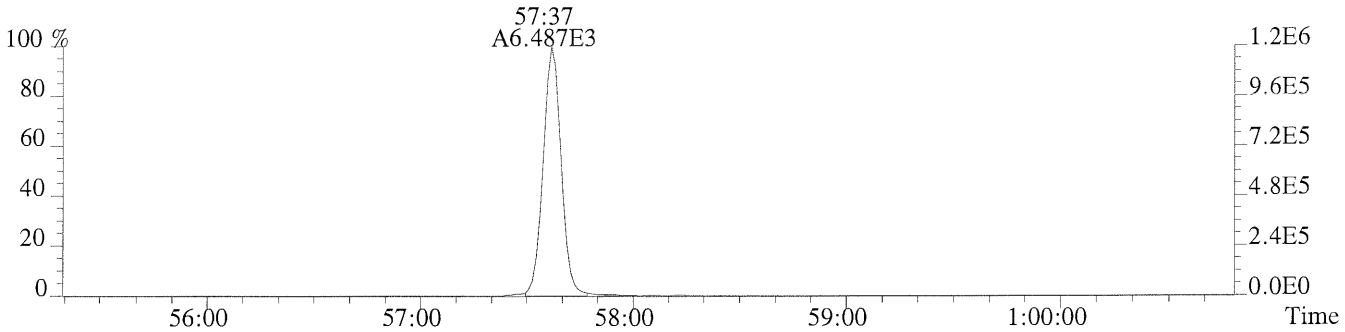
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1100.0,1.00%,F,T)



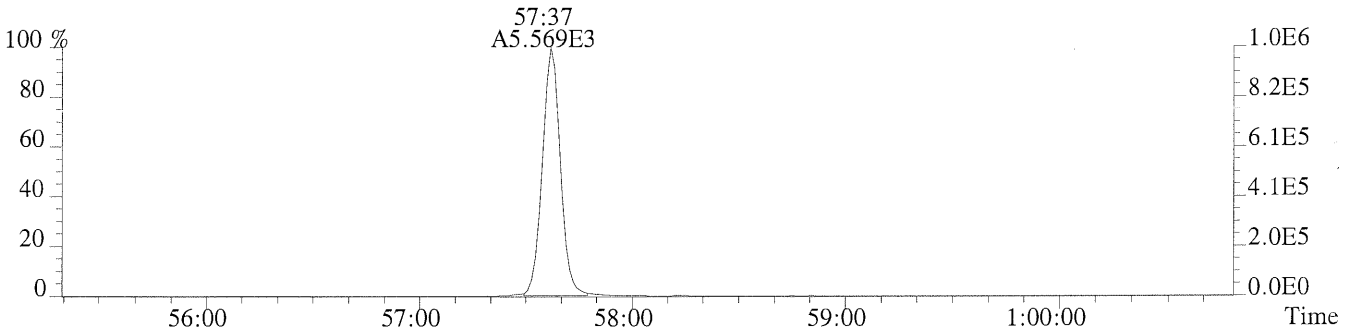
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,928.0,1.00%,F,T)



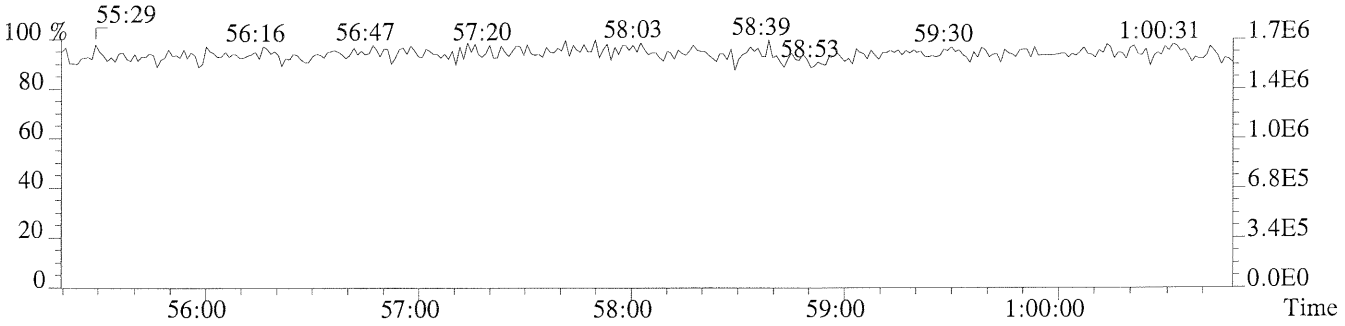
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,808.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,992.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
DUP

Run #14 Filename U142170 Samp: 1 Inj: 1 Acquired: 23-NOV-11 13:29:16
Processed: 6-DEC-11 16:44:10 Sample ID: E1101076-008

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.071
2	1	PCB-2	NotFnd	*	*	*	n	n	1.009
3	1	PCB-3	NotFnd	*	*	*	n	y	1.036
4	1	PCB-4	NotFnd	*	*	*	n	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	2.038
6	2	PCB-9	NotFnd	*	*	*	n	n	1.116
7	2	PCB-7	NotFnd	*	*	*	n	n	1.185
8	2	PCB-6	NotFnd	*	*	*	n	n	1.238
9	2	PCB-5	NotFnd	*	*	*	n	n	1.021
10	2	PCB-8	NotFnd	*	*	*	n	n	1.276
11	2	PCB-14	NotFnd	*	*	*	n	n	1.218
12	2	PCB-11	NotFnd	*	*	*	n	n	1.038
13	2	PCB-12/13	NotFnd	*	*	*	n	n	0.991
14	2	PCB-15	NotFnd	*	*	*	n	n	0.977
15	2	PCB-19	NotFnd	*	*	*	n	y	1.001
16	2	PCB-18/30	20:59	1.038e+02	1.039e+02	1.00	y	y	1.454
17	2	PCB-17	21:22	5.390e+01	4.198e+01	1.28	n	y	1.212
18	2	PCB-27	NotFnd	*	*	*	n	n	1.754
19	2	PCB-24	NotFnd	*	*	*	n	n	1.574
20	2	PCB-16	21:51	5.320e+01	2.838e+01	1.87	n	y	0.981
21	2	PCB-32	22:21	4.143e+01	3.444e+01	1.20	n	y	1.838
22	3	PCB-34	NotFnd	*	*	*	n	n	1.392
23	3	PCB-23	NotFnd	*	*	*	n	n	1.415
24	3	PCB-26/29	NotFnd	*	*	*	n	y	1.505
25	3	PCB-25	NotFnd	*	*	*	n	n	1.525
26	3	PCB-31	24:40	1.572e+02	1.668e+02	0.94	y	y	1.450
27	3	PCB-20/28	24:57	2.189e+02	2.212e+02	0.99	y	y	1.366
28	3	PCB-21/33	25:13	1.250e+02	1.375e+02	0.91	y	y	1.498
29	3	PCB-22	25:37	5.931e+01	7.789e+01	0.76	n	y	1.219
30	3	PCB-36	NotFnd	*	*	*	n	n	1.245
31	3	PCB-39	NotFnd	*	*	*	n	n	1.234
32	3	PCB-38	NotFnd	*	*	*	n	n	1.215
33	3	PCB-35	NotFnd	*	*	*	n	n	1.040
34	3	PCB-37	NotFnd	*	*	*	n	y	1.089
35	2	PCB-54	NotFnd	*	*	*	n	n	1.002
36	3	PCB-50/53	NotFnd	*	*	*	n	y	1.314
37	3	PCB-45/51	NotFnd	*	*	*	n	y	1.267
38	3	PCB-46	NotFnd	*	*	*	n	n	1.083
39	3	PCB-52	26:49	1.577e+02	2.119e+02	0.74	y	n	1.381
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.441
41	3	PCB-49/69	27:18	7.730e+01	1.199e+02	0.64	n	y	1.509
42	3	PCB-48	NotFnd	*	*	*	n	y	1.315
43	3	PCB-44/47/65	27:49	1.649e+02	2.017e+02	0.82	y	n	1.363
44	3	PCB-59/62/75	NotFnd	*	*	*	n	y	1.663
45	3	PCB-42	NotFnd	*	*	*	n	y	1.217
46	3	PCB-40/41/71	28:51	7.146e+01	7.407e+01	0.96	n	y	1.254
47	3	PCB-64	29:04	7.183e+01	9.425e+01	0.76	y	y	1.718
48	3	PCB-72	NotFnd	*	*	*	n	n	1.689
49	3	PCB-68	NotFnd	*	*	*	n	n	1.580
50	3	PCB-57	NotFnd	*	*	*	n	n	1.536

51	3	PCB-58	NotFnd	*	*	*	n	n	1.441
52	3	PCB-67	NotFnd	*	*	*	n	n	1.498
53	3	PCB-63	NotFnd	*	*	*	n	n	1.500
54	3	PCB-61/70/74/76	31:38	2.384e+02	3.492e+02	0.68	y	n	1.467
55	3	PCB-66	31:58	1.112e+02	1.498e+02	0.74	y	n	1.484
56	3	PCB-55	NotFnd	*	*	*	n	n	1.386
57	4	PCB-56	32:39	3.586e+01	5.307e+01	0.68	y	n	1.110
58	4	PCB-60	32:52	2.365e+01	3.161e+01	0.75	y	y	1.161
59	4	PCB-80	NotFnd	*	*	*	n	n	1.248
60	4	PCB-79	NotFnd	*	*	*	n	n	1.221
61	4	PCB-78	NotFnd	*	*	*	n	n	1.058
62	4	PCB-81	NotFnd	*	*	*	n	n	1.034
63	4	PCB-77	NotFnd	*	*	*	n	n	0.995
64	3	PCB-104	NotFnd	*	*	*	n	n	1.030
65	3	PCB-96	NotFnd	*	*	*	n	n	1.648
66	3	PCB-103	NotFnd	*	*	*	n	n	1.361
67	3	PCB-94	NotFnd	*	*	*	n	n	1.095
68	3	PCB-95	30:45	9.346e+01	7.936e+01	1.18	n	n	1.251
69	3	PCB-93/100	NotFnd	*	*	*	n	n	1.157
70	3	PCB-98/102	NotFnd	*	*	*	n	n	1.177
71	3	PCB-88/91	31:38	2.136e+01	1.276e+01	1.67	y	n	1.172
72	3	PCB-84	31:51	3.052e+01	1.748e+01	1.75	y	n	1.010
73	3	PCB-89	NotFnd	*	*	*	n	n	1.107
74	4	PCB-121	NotFnd	*	*	*	n	n	1.533
75	4	PCB-92	33:08	2.005e+01	1.129e+01	1.78	y	y	1.171
76	4	PCB-90/101/113	33:43	1.478e+02	1.109e+02	1.33	y	n	1.257
77	4	PCB-83/99	34:18	7.150e+01	4.602e+01	1.55	y	y	1.089
78	4	PCB-112	NotFnd	*	*	*	n	n	1.500
79	4	PCB-86/87/97/109/119/125	34:55	1.005e+02	5.431e+01	1.85	n	y	1.273
80	4	PCB-117	NotFnd	*	*	*	n	n	1.124
81	4	PCB-85/116	35:34	4.219e+01	2.883e+01	1.46	y	y	1.370
82	4	PCB-110/115	35:43	1.262e+02	7.263e+01	1.74	y	y	1.428
83	4	PCB-82	NotFnd	*	*	*	n	y	0.966
84	4	PCB-111	NotFnd	*	*	*	n	n	1.384
85	4	PCB-120	NotFnd	*	*	*	n	n	1.421
86	5	PCB-108/124	NotFnd	*	*	*	n	n	1.029
87	5	PCB-107	NotFnd	*	*	*	n	n	1.057
88	5	PCB-123	NotFnd	*	*	*	n	n	1.018
89	5	PCB-106	NotFnd	*	*	*	n	y	1.084
90	5	PCB-118	38:43	8.063e+01	4.334e+01	1.86	n	n	0.997
91	5	PCB-122	NotFnd	*	*	*	n	n	0.971
92	5	PCB-114	NotFnd	*	*	*	n	n	0.991
93	5	PCB-105	39:54	3.380e+01	1.887e+01	1.79	n	n	1.011
94	5	PCB-127	NotFnd	*	*	*	n	n	0.913
95	5	PCB-126	NotFnd	*	*	*	n	n	0.960
96	4	PCB-155	NotFnd	*	*	*	n	n	0.988
97	4	PCB-152	NotFnd	*	*	*	n	n	2.103
98	4	PCB-150	NotFnd	*	*	*	n	n	2.005
99	4	PCB-136	NotFnd	*	*	*	n	n	2.052
100	4	PCB-145	NotFnd	*	*	*	n	n	1.890
101	4	PCB-148	NotFnd	*	*	*	n	n	1.502
102	4	PCB-135/151	NotFnd	*	*	*	n	y	1.425
103	4	PCB-154	NotFnd	*	*	*	n	n	1.669
104	4	PCB-144	NotFnd	*	*	*	n	n	1.504
105	5	PCB-147/149	37:32	5.531e+01	5.212e+01	1.06	y	n	1.382
106	5	PCB-134	NotFnd	*	*	*	n	n	1.167
107	5	PCB-143	NotFnd	*	*	*	n	n	1.342

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.365
109	5	PCB-131	NotFnd	*	*	*	n	n	1.198
110	5	PCB-142	NotFnd	*	*	*	n	n	1.255
111	5	PCB-132	38:48	2.300e+01	1.453e+01	1.58	n	n	1.143
112	5	PCB-133	NotFnd	*	*	*	n	n	1.274
113	5	PCB-165	NotFnd	*	*	*	n	n	1.499
114	5	PCB-146	NotFnd	*	*	*	n	n	1.367
115	5	PCB-161	NotFnd	*	*	*	n	n	1.696
116	5	PCB-153/168	40:35	6.393e+01	4.037e+01	1.58	n	n	1.540
117	5	PCB-141	NotFnd	*	*	*	n	n	1.248
118	5	PCB-130	NotFnd	*	*	*	n	n	1.089
119	5	PCB-137	NotFnd	*	*	*	n	n	1.159
120	5	PCB-164	NotFnd	*	*	*	n	n	1.528
121	5	PCB-129/138/163	41:50	5.549e+01	4.318e+01	1.29	y	y	1.293
122	5	PCB-160	NotFnd	*	*	*	n	y	1.484
123	5	PCB-158	NotFnd	*	*	*	n	n	1.632
124	5	PCB-128/166	NotFnd	*	*	*	n	n	1.280
125	6	PCB-159	NotFnd	*	*	*	n	n	0.967
126	6	PCB-162	NotFnd	*	*	*	n	n	0.916
127	6	PCB-167	NotFnd	*	*	*	n	n	1.008
128	6	PCB-156/157	NotFnd	*	*	*	n	n	1.006
129	6	PCB-169	NotFnd	*	*	*	n	n	0.992
130	5	PCB-188	NotFnd	*	*	*	n	n	0.990
131	5	PCB-179	NotFnd	*	*	*	n	y	1.535
132	5	PCB-184	NotFnd	*	*	*	n	n	1.525
133	5	PCB-176	NotFnd	*	*	*	n	n	1.470
134	5	PCB-186	NotFnd	*	*	*	n	n	1.393
135	5	PCB-178	NotFnd	*	*	*	n	n	1.041
136	5	PCB-175	NotFnd	*	*	*	n	n	1.105
137	5	PCB-187	NotFnd	*	*	*	n	y	1.127
138	5	PCB-182	NotFnd	*	*	*	n	n	1.037
139	6	PCB-183	NotFnd	*	*	*	n	n	0.821
140	6	PCB-185	NotFnd	*	*	*	n	n	0.608
141	6	PCB-174	NotFnd	*	*	*	n	n	0.716
142	6	PCB-177	NotFnd	*	*	*	n	n	0.667
143	6	PCB-181	NotFnd	*	*	*	n	n	0.656
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.631
145	6	PCB-172	NotFnd	*	*	*	n	n	0.608
146	6	PCB-192	NotFnd	*	*	*	n	n	0.736
147	6	PCB-180/193	47:23	1.529e+01	2.016e+01	0.76	n	n	0.729
148	6	PCB-191	NotFnd	*	*	*	n	n	0.822
149	6	PCB-170	NotFnd	*	*	*	n	y	0.575
150	6	PCB-190	NotFnd	*	*	*	n	n	0.751
151	6	PCB-189	NotFnd	*	*	*	n	n	0.863
152	6	PCB-202	NotFnd	*	*	*	n	n	0.863
153	6	PCB-201	NotFnd	*	*	*	n	n	1.391
154	6	PCB-204	NotFnd	*	*	*	n	n	1.342
155	6	PCB-197	NotFnd	*	*	*	n	n	1.195
156	6	PCB-200	NotFnd	*	*	*	n	n	1.428
157	6	PCB-198/199	NotFnd	*	*	*	n	n	0.874
158	6	PCB-196	NotFnd	*	*	*	n	n	0.902
159	6	PCB-203	NotFnd	*	*	*	n	n	0.920
160	6	PCB-195	NotFnd	*	*	*	n	n	0.810
161	6	PCB-194	NotFnd	*	*	*	n	n	0.824
162	6	PCB-205	NotFnd	*	*	*	n	n	0.889
163	6	PCB-208	NotFnd	*	*	*	n	n	0.880
164	6	PCB-207	NotFnd	*	*	*	n	n	1.250

Filename U142170 Acquired: 23-NOV-11 13:29:16

165	7	PCB-206	NotFnd	*	*	*	n	n	0.931
166	7	PCB-209	57:40	7.352e+01	7.695e+01	0.96	n	n	0.894
167	1	PCB-1L	13:19	2.234e+04	7.312e+03	3.05	y	n	1.220
168	1	PCB-3L	15:35	2.341e+04	7.415e+03	3.16	y	n	1.173
169	1	PCB-4L	15:50	1.169e+04	7.489e+03	1.56	y	n	0.803
170	2	PCB-15L	21:53	1.733e+04	1.101e+04	1.57	y	n	0.962
171	2	PCB-19L	19:02	9.288e+03	8.990e+03	1.03	y	n	0.636
172	3	PCB-37L	29:01	1.523e+04	1.384e+04	1.10	y	n	1.144
173	2	PCB-54L	22:10	8.364e+03	1.031e+04	0.81	y	n	1.140
174	4	PCB-81L	35:48	1.113e+04	1.397e+04	0.80	y	n	0.947
175	4	PCB-77L	36:22	1.193e+04	1.495e+04	0.80	y	n	0.949
176	3	PCB-104L	27:45	1.423e+04	8.958e+03	1.59	y	n	1.397
177	5	PCB-123L	38:22	1.345e+04	8.654e+03	1.55	y	n	1.029
178	5	PCB-118L	38:41	1.414e+04	8.976e+03	1.58	y	n	1.077
179	5	PCB-114L	39:13	1.367e+04	8.793e+03	1.55	y	n	1.075
180	5	PCB-105L	39:52	1.334e+04	8.583e+03	1.55	y	n	1.013
181	5	PCB-126L	42:59	1.279e+04	8.090e+03	1.58	y	n	0.898
182	4	PCB-155L	33:27	1.344e+04	1.074e+04	1.25	y	n	1.637
183	6	PCB-167L	44:51	9.168e+03	7.311e+03	1.25	y	n	0.882
184	6	PCB-156/157L	46:00	1.797e+04	1.403e+04	1.28	y	n	0.818
185	6	PCB-169L	49:15	8.352e+03	6.573e+03	1.27	y	n	0.716
186	5	PCB-188L	39:12	1.241e+04	1.165e+04	1.07	y	n	2.358
187	6	PCB-189L	51:45	7.847e+03	7.537e+03	1.04	y	n	1.307
188	6	PCB-202L	44:35	8.268e+03	9.013e+03	0.92	y	n	1.804
189	6	PCB-205L	54:18	6.077e+03	6.732e+03	0.90	y	n	1.363
190	6	PCB-208L	51:15	5.298e+03	6.658e+03	0.80	y	n	1.337
191	7	PCB-206L	56:02	4.988e+03	6.414e+03	0.78	y	n	0.998
192	7	PCB-209L	57:38	6.800e+03	5.841e+03	1.16	y	n	1.563
193	3	PCB-28L	24:57	1.766e+04	1.693e+04	1.04	y	n	1.387
194	4	PCB-111L	36:25	1.691e+04	1.083e+04	1.56	y	n	1.238
195	5	PCB-178L	42:16	8.413e+03	7.773e+03	1.08	y	n	0.953
196	2	PCB-9L	17:52	2.661e+04	1.702e+04	1.56	y	n	-
197	3	PCB-52L	26:48	1.593e+04	2.067e+04	0.77	y	n	-
198	4	PCB-101L	33:41	2.013e+04	1.287e+04	1.56	y	n	-
199	5	PCB-138L	41:49	1.637e+04	1.284e+04	1.27	y	n	-
200	6	PCB-194L	53:50	7.360e+03	7.948e+03	0.93	y	n	-

-- Sample Calculation--

6.338e+01

PCB-209 = (7.352e+01 + ~~7.695e+01~~) x 10000 pg x 1 / (6.800e+03 + 5.841e+03) x (980 mL) x (1L / 1000 mL) x 0.8938 = 124 pg/L

12/07/11

A2 = A1 / 1.16 = 6.338e+01

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sp166respb
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
DUP

Run #14 Filename U142170#1 Samp: 1 Inj: 1 Acquired: 23-NOV-11 13:29:16

Processed: 6-DEC-11 16:44:10 LAB. ID: E1101076-008

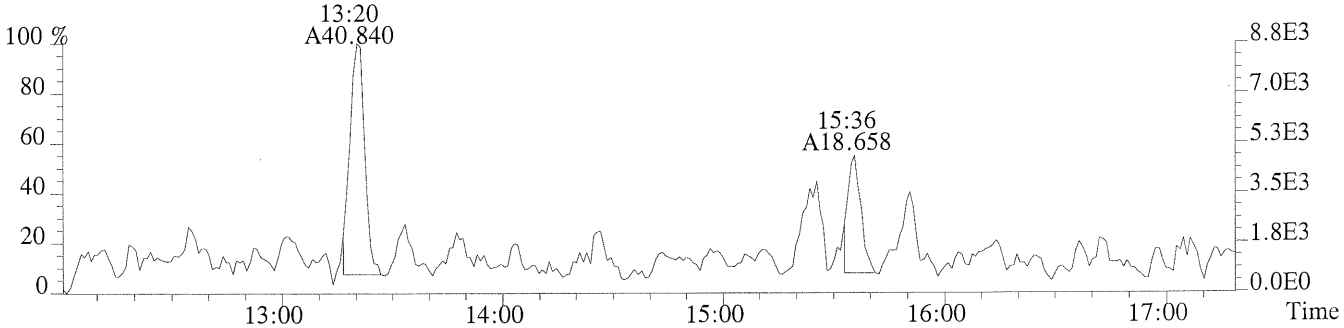
	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.56e+03	*	*	1.04e+03	*
2	PCB-2	*	1.56e+03	*	*	1.04e+03	*
3	PCB-3	*	1.56e+03	*	*	1.04e+03	*
4	PCB-4	*	2.63e+03	*	*	6.12e+04	*
5	PCB-10	*	2.63e+03	*	*	6.12e+04	*
6	PCB-9	*	2.31e+03	*	*	3.17e+04	*
7	PCB-7	*	2.31e+03	*	*	3.17e+04	*
8	PCB-6	*	2.31e+03	*	*	3.17e+04	*
9	PCB-5	*	2.31e+03	*	*	3.17e+04	*
10	PCB-8	*	2.31e+03	*	*	3.17e+04	*
11	PCB-14	*	2.31e+03	*	*	3.17e+04	*
12	PCB-11	*	2.31e+03	*	*	3.17e+04	*
13	PCB-12/13	*	2.31e+03	*	*	3.17e+04	*
14	PCB-15	*	2.31e+03	*	*	3.17e+04	*
15	PCB-19	*	1.49e+03	*	*	1.00e+03	*
16	PCB-18/30	1.66e+04	1.49e+03	1.1e+01	1.70e+04	1.00e+03	1.7e+01
17	PCB-17	7.83e+03	1.49e+03	5.2e+00	6.99e+03	1.00e+03	7.0e+00
18	PCB-27	*	1.49e+03	*	*	1.00e+03	*
19	PCB-24	*	1.49e+03	*	*	1.00e+03	*
20	PCB-16	8.89e+03	1.49e+03	6.0e+00	4.97e+03	1.00e+03	4.9e+00
21	PCB-32	6.74e+03	1.49e+03	4.5e+00	6.28e+03	1.00e+03	6.3e+00
22	PCB-34	*	2.38e+03	*	*	1.59e+03	*
23	PCB-23	*	2.38e+03	*	*	1.59e+03	*
24	PCB-26/29	*	2.38e+03	*	*	1.59e+03	*
25	PCB-25	*	2.38e+03	*	*	1.59e+03	*
26	PCB-31	2.71e+04	2.38e+03	1.1e+01	2.81e+04	1.59e+03	1.8e+01
27	PCB-20/28	3.01e+04	2.38e+03	1.3e+01	3.06e+04	1.59e+03	1.9e+01
28	PCB-21/33	1.92e+04	2.38e+03	8.0e+00	2.03e+04	1.59e+03	1.3e+01
29	PCB-22	9.44e+03	2.38e+03	4.0e+00	1.04e+04	1.59e+03	6.5e+00
30	PCB-36	*	2.38e+03	*	*	1.59e+03	*
31	PCB-39	*	2.38e+03	*	*	1.59e+03	*
32	PCB-38	*	2.38e+03	*	*	1.59e+03	*
33	PCB-35	*	2.38e+03	*	*	1.59e+03	*
34	PCB-37	*	2.38e+03	*	*	1.59e+03	*
35	PCB-54	*	7.28e+02	*	*	8.04e+02	*
36	PCB-50/53	*	8.60e+02	*	*	9.60e+02	*
37	PCB-45/51	*	8.60e+02	*	*	9.60e+02	*
38	PCB-46	*	8.60e+02	*	*	9.60e+02	*
39	PCB-52	2.40e+04	8.60e+02	2.8e+01	3.02e+04	9.60e+02	3.1e+01
40	PCB-43/73	*	8.60e+02	*	*	9.60e+02	*
41	PCB-49/69	1.20e+04	8.60e+02	1.4e+01	1.72e+04	9.60e+02	1.8e+01
42	PCB-48	*	8.60e+02	*	*	9.60e+02	*
43	PCB-44/47/65	2.10e+04	8.60e+02	2.4e+01	2.26e+04	9.60e+02	2.4e+01
44	PCB-59/62/75	*	8.60e+02	*	*	9.60e+02	*
45	PCB-42	*	8.60e+02	*	*	9.60e+02	*
46	PCB-40/41/71	6.82e+03	8.60e+02	7.9e+00	8.29e+03	9.60e+02	8.6e+00
47	PCB-64	1.21e+04	8.60e+02	1.4e+01	1.45e+04	9.60e+02	1.5e+01

48	PCB-72	*	8.60e+02	*	*	9.60e+02	*
49	PCB-68	*	8.60e+02	*	*	9.60e+02	*
50	PCB-57	*	8.60e+02	*	*	9.60e+02	*
51	PCB-58	*	8.60e+02	*	*	9.60e+02	*
52	PCB-67	*	8.60e+02	*	*	9.60e+02	*
53	PCB-63	*	8.60e+02	*	*	9.60e+02	*
54	PCB-61/70/74/76	2.43e+04	8.60e+02	2.8e+01	3.48e+04	9.60e+02	3.6e+01
55	PCB-66	1.73e+04	8.60e+02	2.0e+01	2.46e+04	9.60e+02	2.6e+01
56	PCB-55	*	8.60e+02	*	*	9.60e+02	*
57	PCB-56	6.36e+03	1.34e+03	4.8e+00	1.04e+04	1.41e+03	7.3e+00
58	PCB-60	4.89e+03	1.34e+03	3.7e+00	5.56e+03	1.41e+03	3.9e+00
59	PCB-80	*	1.34e+03	*	*	1.41e+03	*
60	PCB-79	*	1.34e+03	*	*	1.41e+03	*
61	PCB-78	*	1.34e+03	*	*	1.41e+03	*
62	PCB-81	*	1.34e+03	*	*	1.41e+03	*
63	PCB-77	*	1.34e+03	*	*	1.41e+03	*
64	PCB-104	*	6.92e+02	*	*	5.52e+02	*
65	PCB-96	*	6.92e+02	*	*	5.52e+02	*
66	PCB-103	*	6.92e+02	*	*	5.52e+02	*
67	PCB-94	*	6.92e+02	*	*	5.52e+02	*
68	PCB-95	1.59e+04	6.92e+02	2.3e+01	1.14e+04	5.52e+02	2.1e+01
69	PCB-93/100	*	6.92e+02	*	*	5.52e+02	*
70	PCB-98/102	*	6.92e+02	*	*	5.52e+02	*
71	PCB-88/91	3.47e+03	6.92e+02	5.0e+00	2.45e+03	5.52e+02	4.4e+00
72	PCB-84	6.34e+03	6.92e+02	9.2e+00	2.88e+03	5.52e+02	5.2e+00
73	PCB-89	*	6.92e+02	*	*	5.52e+02	*
74	PCB-121	*	1.00e+03	*	*	7.76e+02	*
75	PCB-92	4.11e+03	1.00e+03	4.1e+00	2.60e+03	7.76e+02	3.3e+00
76	PCB-90/101/113	2.40e+04	1.00e+03	2.4e+01	1.56e+04	7.76e+02	2.0e+01
77	PCB-83/99	1.04e+04	1.00e+03	1.0e+01	5.98e+03	7.76e+02	7.7e+00
78	PCB-112	*	1.00e+03	*	*	7.76e+02	*
79	CB-86/87/97/109/119/125	9.27e+03	1.00e+03	9.3e+00	5.42e+03	7.76e+02	7.0e+00
80	PCB-117	*	1.00e+03	*	*	7.76e+02	*
81	PCB-85/116	7.19e+03	1.00e+03	7.2e+00	4.16e+03	7.76e+02	5.4e+00
82	PCB-110/115	2.65e+04	1.00e+03	2.6e+01	1.32e+04	7.76e+02	1.7e+01
83	PCB-82	*	1.00e+03	*	*	7.76e+02	*
84	PCB-111	*	1.00e+03	*	*	7.76e+02	*
85	PCB-120	*	1.00e+03	*	*	7.76e+02	*
86	PCB-108/124	*	8.48e+02	*	*	9.44e+02	*
87	PCB-107	*	8.48e+02	*	*	9.44e+02	*
88	PCB-123	*	8.48e+02	*	*	9.44e+02	*
89	PCB-106	*	8.48e+02	*	*	9.44e+02	*
90	PCB-118	1.23e+04	8.48e+02	1.4e+01	8.13e+03	9.44e+02	8.6e+00
91	PCB-122	*	8.48e+02	*	*	9.44e+02	*
92	PCB-114	*	8.48e+02	*	*	9.44e+02	*
93	PCB-105	5.71e+03	8.48e+02	6.7e+00	3.03e+03	9.44e+02	3.2e+00
94	PCB-127	*	8.48e+02	*	*	9.44e+02	*
95	PCB-126	*	8.48e+02	*	*	9.44e+02	*
96	PCB-155	*	1.07e+03	*	*	1.05e+03	*
97	PCB-152	*	1.07e+03	*	*	1.05e+03	*
98	PCB-150	*	1.07e+03	*	*	1.05e+03	*
99	PCB-136	*	1.07e+03	*	*	1.05e+03	*
100	PCB-145	*	1.07e+03	*	*	1.05e+03	*
101	PCB-148	*	1.07e+03	*	*	1.05e+03	*
102	PCB-135/151	*	1.07e+03	*	*	1.05e+03	*
103	PCB-154	*	1.07e+03	*	*	1.05e+03	*
104	PCB-144	*	1.07e+03	*	*	1.05e+03	*

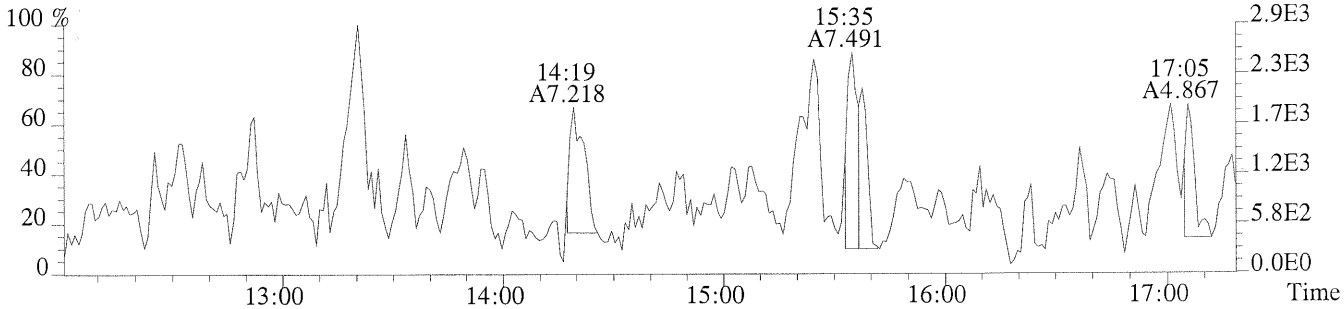
105	PCB-147/149	8.17e+03	9.00e+02	9.1e+00	8.93e+03	9.92e+02	9.0e+00
106	PCB-134	*	9.00e+02	*	*	9.92e+02	*
107	PCB-143	*	9.00e+02	*	*	9.92e+02	*
108	PCB-139/140	*	9.00e+02	*	*	9.92e+02	*
109	PCB-131	*	9.00e+02	*	*	9.92e+02	*
110	PCB-142	*	9.00e+02	*	*	9.92e+02	*
111	PCB-132	4.35e+03	9.00e+02	4.8e+00	3.13e+03	9.92e+02	3.2e+00
112	PCB-133	*	9.00e+02	*	*	9.92e+02	*
113	PCB-165	*	9.00e+02	*	*	9.92e+02	*
114	PCB-146	*	9.00e+02	*	*	9.92e+02	*
115	PCB-161	*	9.00e+02	*	*	9.92e+02	*
116	PCB-153/168	9.50e+03	9.00e+02	1.1e+01	7.07e+03	9.92e+02	7.1e+00
117	PCB-141	*	9.00e+02	*	*	9.92e+02	*
118	PCB-130	*	9.00e+02	*	*	9.92e+02	*
119	PCB-137	*	9.00e+02	*	*	9.92e+02	*
120	PCB-164	*	9.00e+02	*	*	9.92e+02	*
121	PCB-129/138/163	8.35e+03	9.00e+02	9.3e+00	8.67e+03	9.92e+02	8.7e+00
122	PCB-160	*	9.00e+02	*	*	9.92e+02	*
123	PCB-158	*	9.00e+02	*	*	9.92e+02	*
124	PCB-128/166	*	9.00e+02	*	*	9.92e+02	*
125	PCB-159	*	7.80e+02	*	*	6.76e+02	*
126	PCB-162	*	7.80e+02	*	*	6.76e+02	*
127	PCB-167	*	7.80e+02	*	*	6.76e+02	*
128	PCB-156/157	*	7.80e+02	*	*	6.76e+02	*
129	PCB-169	*	7.80e+02	*	*	6.76e+02	*
130	PCB-188	*	1.03e+03	*	*	8.44e+02	*
131	PCB-179	*	1.03e+03	*	*	8.44e+02	*
132	PCB-184	*	1.03e+03	*	*	8.44e+02	*
133	PCB-176	*	1.03e+03	*	*	8.44e+02	*
134	PCB-186	*	1.03e+03	*	*	8.44e+02	*
135	PCB-178	*	1.03e+03	*	*	8.44e+02	*
136	PCB-175	*	1.03e+03	*	*	8.44e+02	*
137	PCB-187	*	1.03e+03	*	*	8.44e+02	*
138	PCB-182	*	1.03e+03	*	*	8.44e+02	*
139	PCB-183	*	9.24e+02	*	*	6.68e+02	*
140	PCB-185	*	9.24e+02	*	*	6.68e+02	*
141	PCB-174	*	9.24e+02	*	*	6.68e+02	*
142	PCB-177	*	9.24e+02	*	*	6.68e+02	*
143	PCB-181	*	9.24e+02	*	*	6.68e+02	*
144	PCB-171/173	*	9.24e+02	*	*	6.68e+02	*
145	PCB-172	*	9.24e+02	*	*	6.68e+02	*
146	PCB-192	*	9.24e+02	*	*	6.68e+02	*
147	PCB-180/193	3.51e+03	9.24e+02	3.8e+00	3.69e+03	6.68e+02	5.5e+00
148	PCB-191	*	9.24e+02	*	*	6.68e+02	*
149	PCB-170	*	9.24e+02	*	*	6.68e+02	*
150	PCB-190	*	9.24e+02	*	*	6.68e+02	*
151	PCB-189	*	9.24e+02	*	*	6.68e+02	*
152	PCB-202	*	7.64e+02	*	*	9.76e+02	*
153	PCB-201	*	7.64e+02	*	*	9.76e+02	*
154	PCB-204	*	7.64e+02	*	*	9.76e+02	*
155	PCB-197	*	7.64e+02	*	*	9.76e+02	*
156	PCB-200	*	7.64e+02	*	*	9.76e+02	*
157	PCB-198/199	*	7.64e+02	*	*	9.76e+02	*
158	PCB-196	*	7.64e+02	*	*	9.76e+02	*
159	PCB-203	*	7.64e+02	*	*	9.76e+02	*
160	PCB-195	*	7.64e+02	*	*	9.76e+02	*
161	PCB-194	*	7.64e+02	*	*	9.76e+02	*
162	PCB-205	*	7.64e+02	*	*	9.76e+02	*

163	PCB-208	*	7.64e+02	*	*	6.84e+02	*
164	PCB-207	*	7.64e+02	*	*	6.84e+02	*
165	PCB-206	*	6.36e+02	*	*	8.36e+02	*
166	PCB-209	1.35e+04	6.20e+02	2.2e+01	1.31e+04	1.07e+03	1.2e+01
167	PCB-1L	5.36e+06	2.14e+03	2.5e+03	1.77e+06	1.52e+04	1.2e+02
168	PCB-3L	4.05e+06	2.14e+03	1.9e+03	1.29e+06	1.52e+04	8.5e+01
169	PCB-4L	2.09e+06	1.43e+03	1.5e+03	1.33e+06	1.18e+03	1.1e+03
170	PCB-15L	2.50e+06	2.76e+03	9.0e+02	1.59e+06	1.33e+03	1.2e+03
171	PCB-19L	1.60e+06	2.16e+04	7.4e+01	1.54e+06	2.23e+04	6.9e+01
172	PCB-37L	2.01e+06	1.01e+04	2.0e+02	1.85e+06	1.59e+04	1.2e+02
173	PCB-54L	1.34e+06	2.95e+03	4.6e+02	1.68e+06	8.64e+02	1.9e+03
174	PCB-81L	1.58e+06	2.40e+03	6.6e+02	2.00e+06	1.13e+03	1.8e+03
175	PCB-77L	1.59e+06	2.40e+03	6.6e+02	1.98e+06	1.13e+03	1.7e+03
176	PCB-104L	2.09e+06	1.27e+03	1.6e+03	1.31e+06	6.76e+02	1.9e+03
177	PCB-123L	2.07e+06	5.21e+03	4.0e+02	1.35e+06	4.22e+03	3.2e+02
178	PCB-118L	2.18e+06	5.21e+03	4.2e+02	1.38e+06	4.22e+03	3.3e+02
179	PCB-114L	2.08e+06	5.21e+03	4.0e+02	1.36e+06	4.22e+03	3.2e+02
180	PCB-105L	2.03e+06	5.21e+03	3.9e+02	1.33e+06	4.22e+03	3.2e+02
181	PCB-126L	1.86e+06	5.21e+03	3.6e+02	1.18e+06	4.22e+03	2.8e+02
182	PCB-155L	2.06e+06	9.40e+02	2.2e+03	1.66e+06	8.96e+02	1.9e+03
183	PCB-167L	1.85e+06	5.83e+03	3.2e+02	1.48e+06	5.68e+03	2.6e+02
184	PCB-156/157L	2.74e+06	5.83e+03	4.7e+02	2.15e+06	5.68e+03	3.8e+02
185	PCB-169L	1.54e+06	5.83e+03	2.6e+02	1.22e+06	5.68e+03	2.1e+02
186	PCB-188L	1.96e+06	1.65e+03	1.2e+03	1.84e+06	8.00e+02	2.3e+03
187	PCB-189L	1.59e+06	1.20e+03	1.3e+03	1.51e+06	9.92e+02	1.5e+03
188	PCB-202L	1.69e+06	8.44e+02	2.0e+03	1.81e+06	1.04e+03	1.7e+03
189	PCB-205L	1.22e+06	8.44e+02	1.4e+03	1.37e+06	1.04e+03	1.3e+03
190	PCB-208L	1.08e+06	6.96e+02	1.6e+03	1.37e+06	7.96e+02	1.7e+03
191	PCB-206L	8.95e+05	9.68e+02	9.3e+02	1.13e+06	5.04e+02	2.2e+03
192	PCB-209L	1.23e+06	7.64e+02	1.6e+03	1.04e+06	7.92e+02	1.3e+03
193	PCB-28L	2.44e+06	1.01e+04	2.4e+02	2.37e+06	1.59e+04	1.5e+02
194	PCB-111L	2.61e+06	1.87e+03	1.4e+03	1.67e+06	7.00e+02	2.4e+03
195	PCB-178L	1.37e+06	1.65e+03	8.3e+02	1.26e+06	8.00e+02	1.6e+03
196	PCB-9L	4.62e+06	2.76e+03	1.7e+03	2.96e+06	1.33e+03	2.2e+03
197	PCB-52L	2.30e+06	1.82e+03	1.3e+03	3.00e+06	1.72e+03	1.7e+03
198	PCB-101L	3.02e+06	1.87e+03	1.6e+03	1.90e+06	7.00e+02	2.7e+03
199	PCB-138L	2.63e+06	1.00e+03	2.6e+03	2.06e+06	8.20e+02	2.5e+03
200	PCB-194L	1.50e+06	8.44e+02	1.8e+03	1.63e+06	1.04e+03	1.6e+03

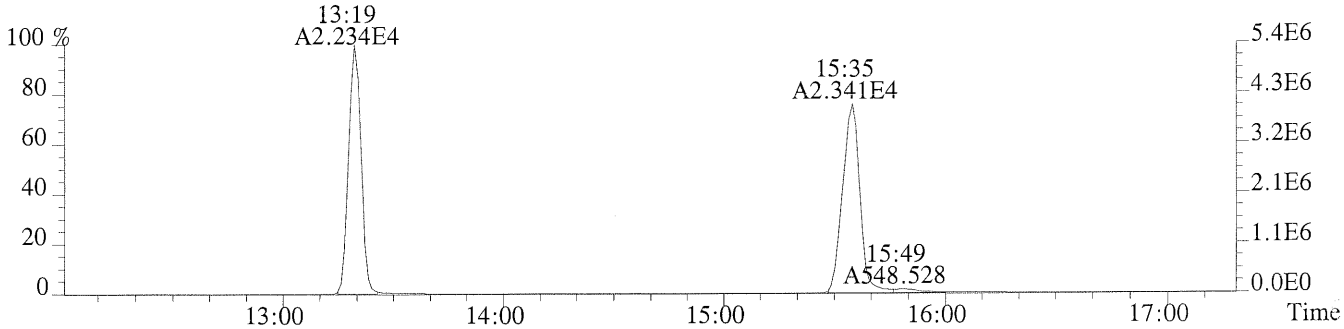
File:U142170 #1-341 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1556.0,1.00%,F,T)



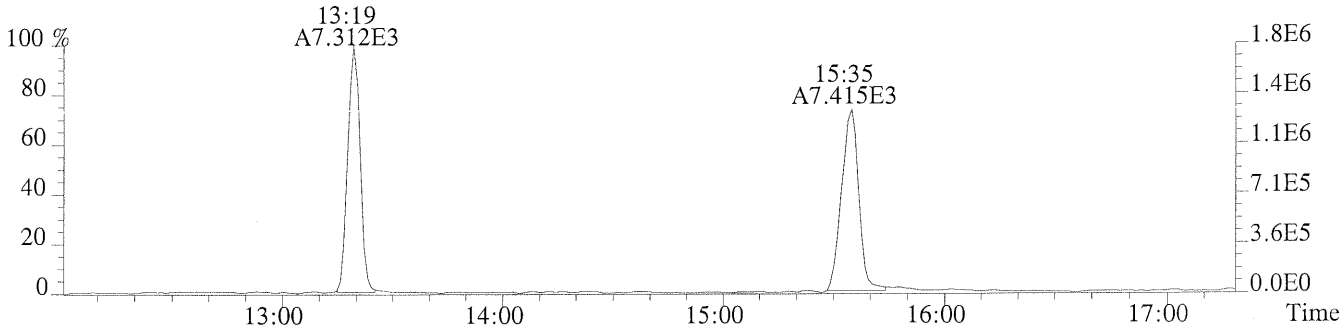
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1036.0,1.00%,F,T)



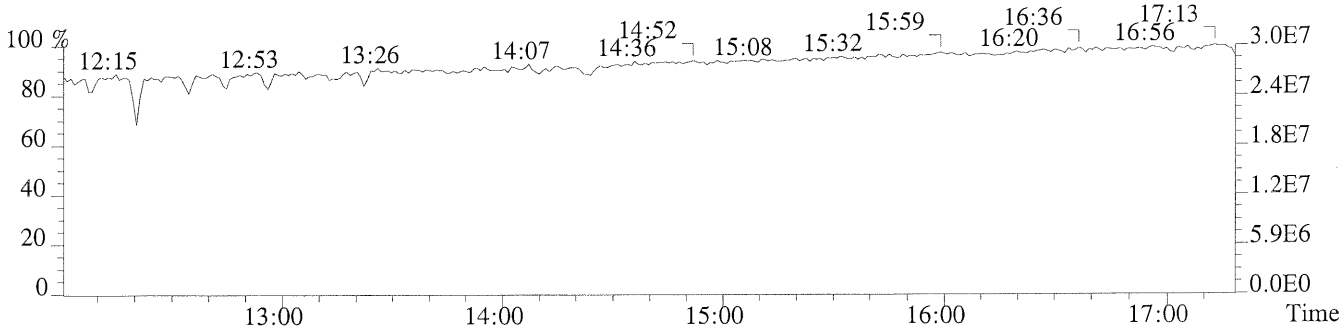
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2144.0,1.00%,F,T)



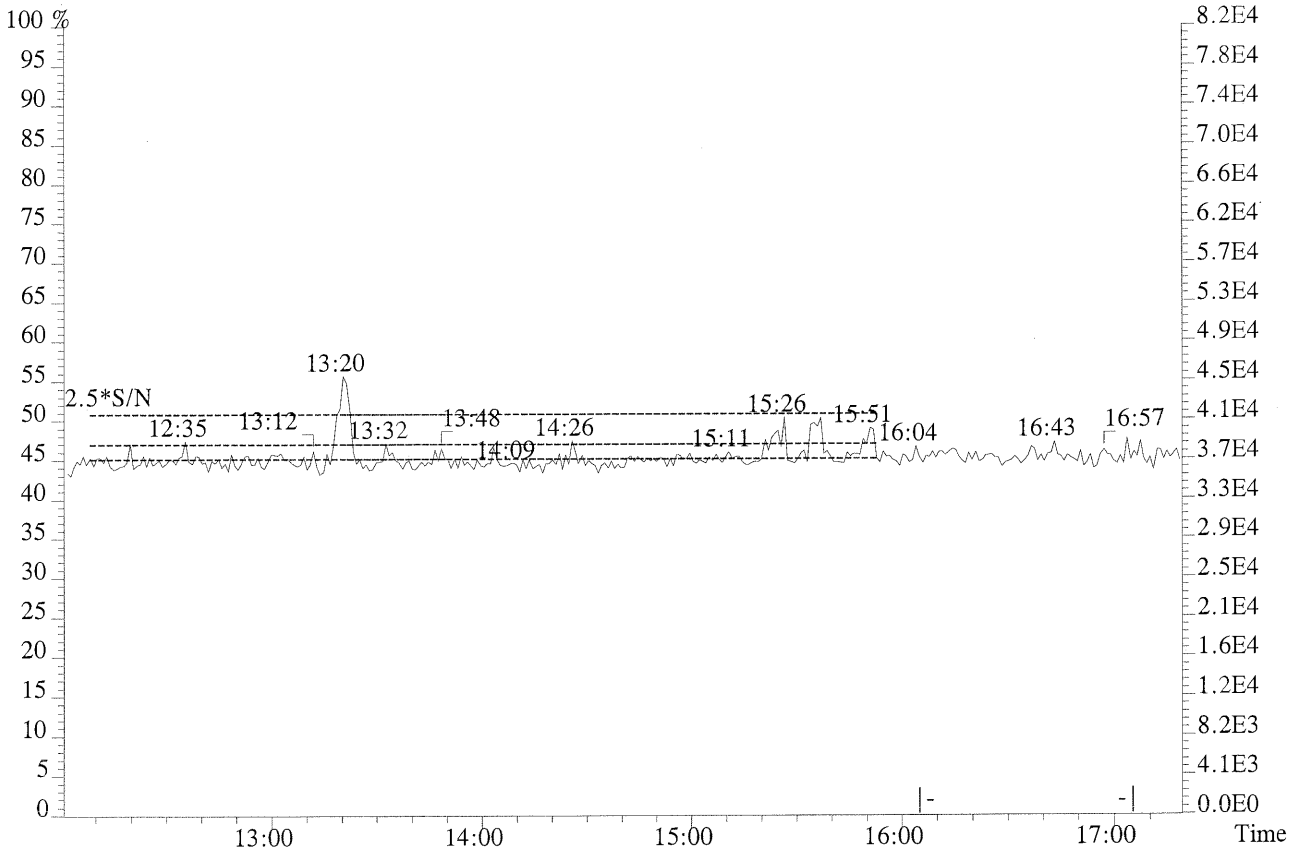
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,15160.0,1.00%,F,T)



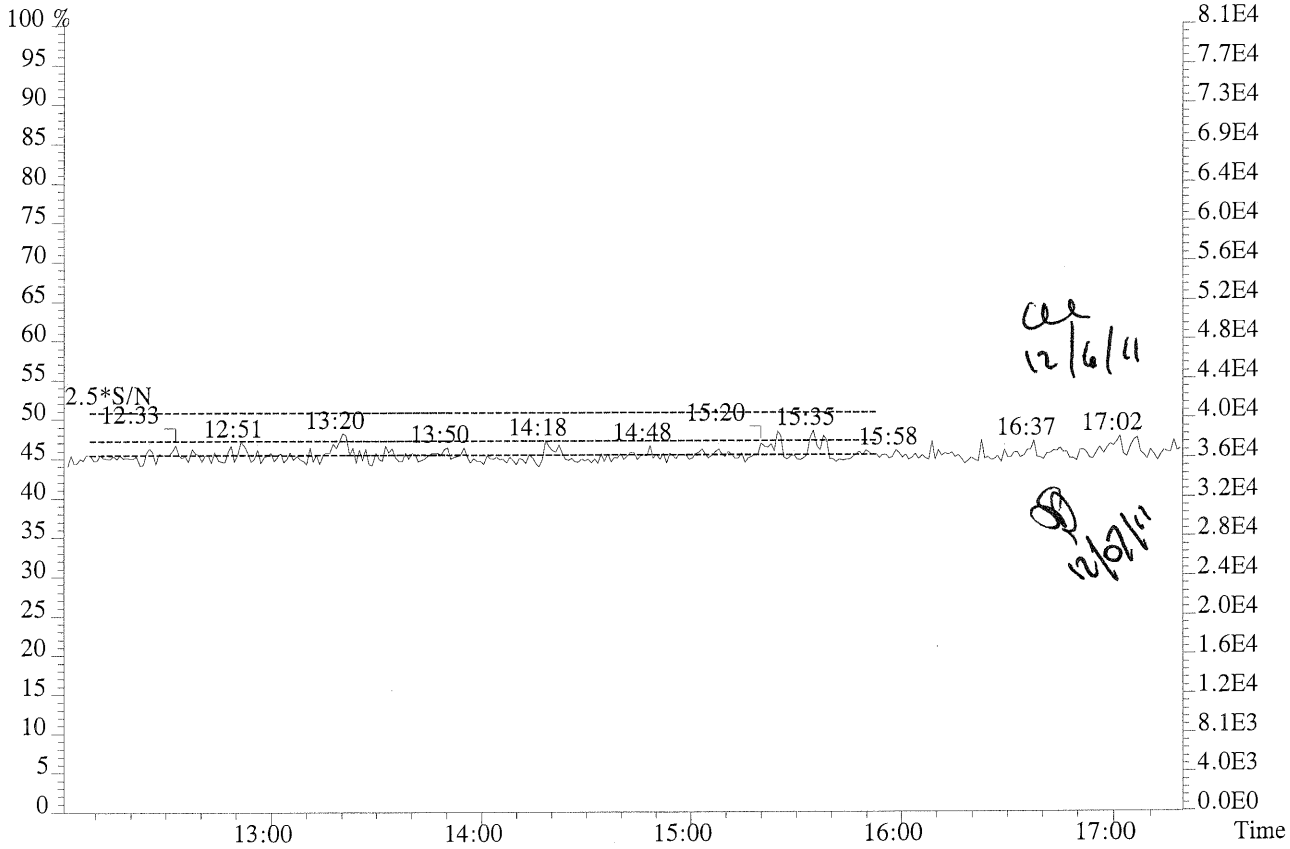
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142170 #1-341 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-008 DUP
188.0393



190.0363

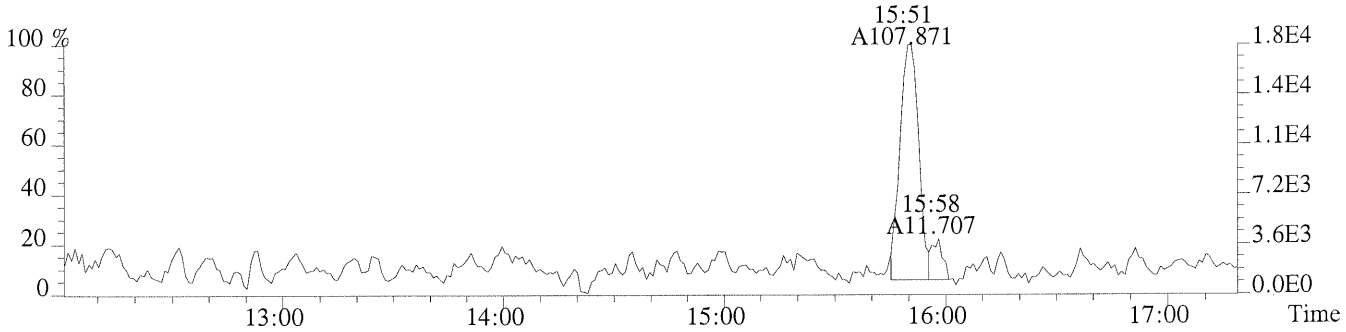


ae 12/6/11

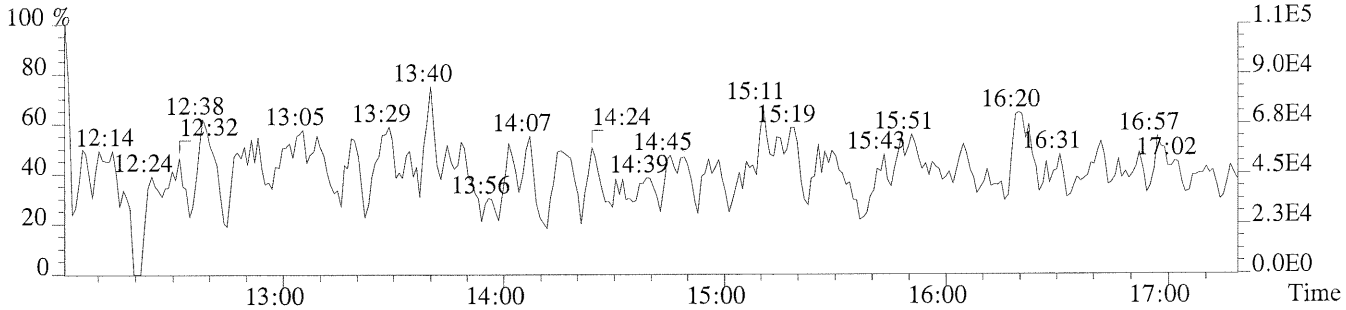
12/07/11

File:U142170 #1-341 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

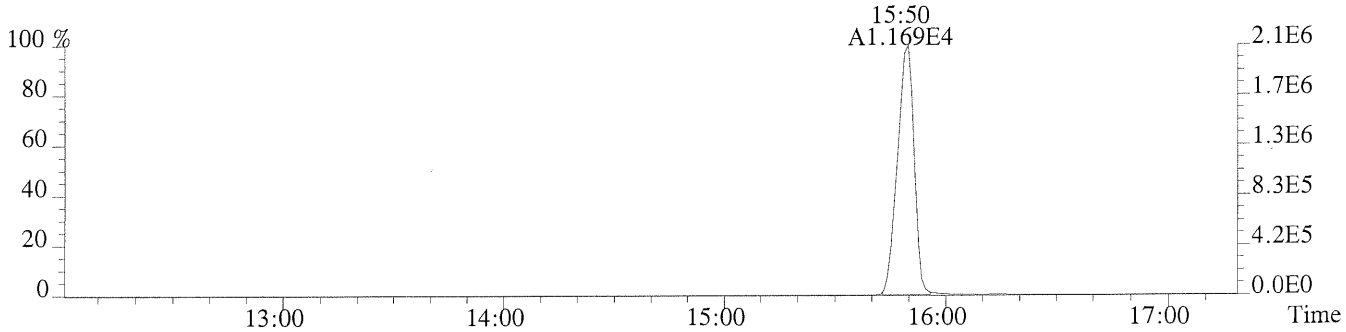
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2632.0,1.00%,F,T)



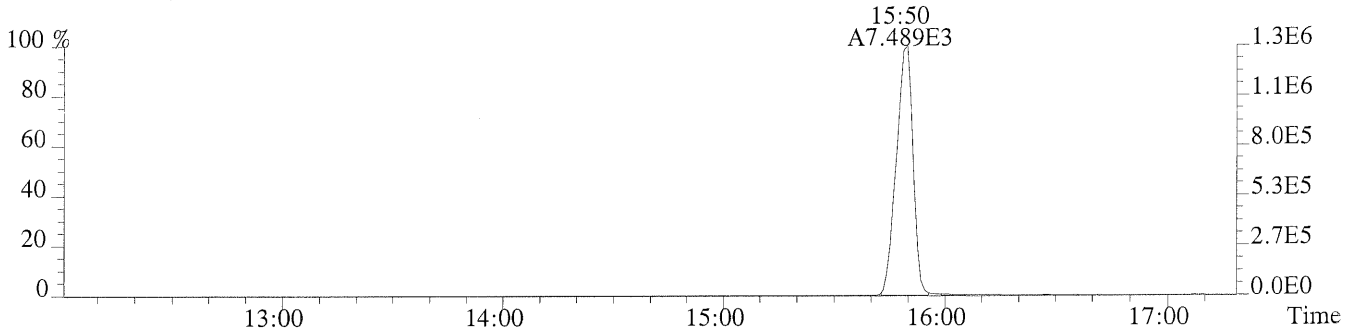
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,61180.0,1.00%,F,T)



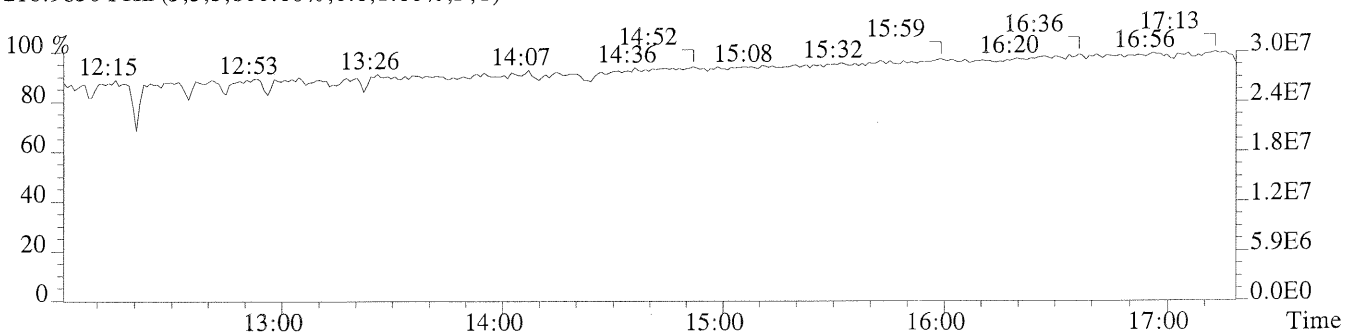
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1432.0,1.00%,F,T)



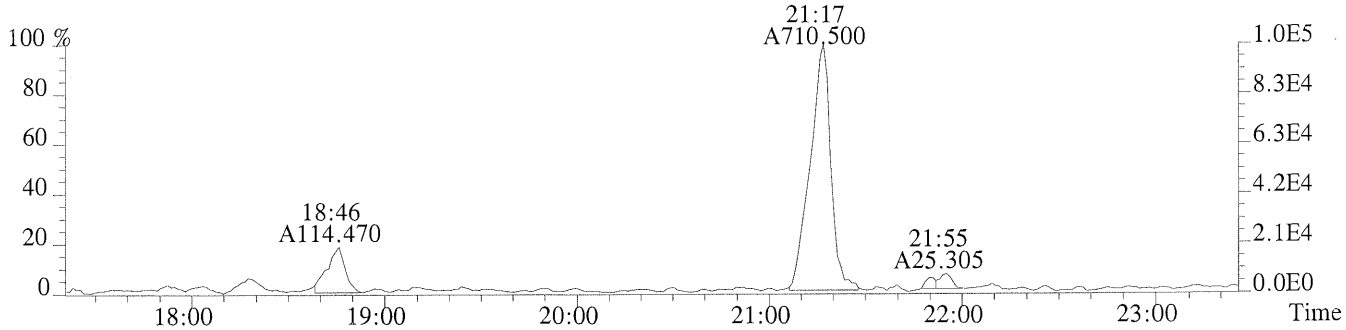
236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1180.0,1.00%,F,T)



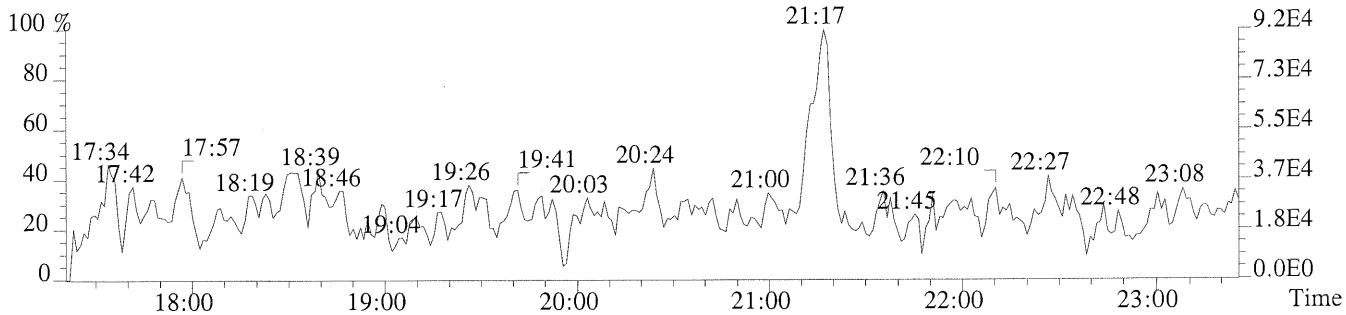
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



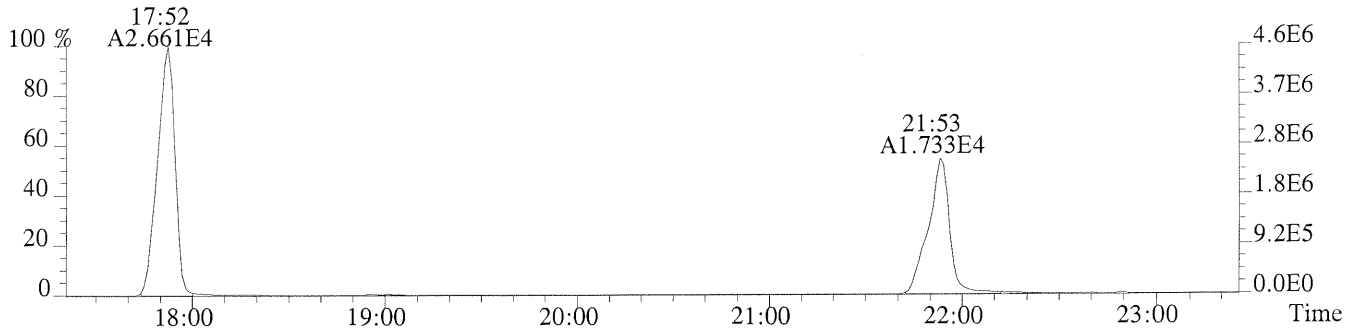
File:U142170 #1-336 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2308.0,1.00%,F,T)



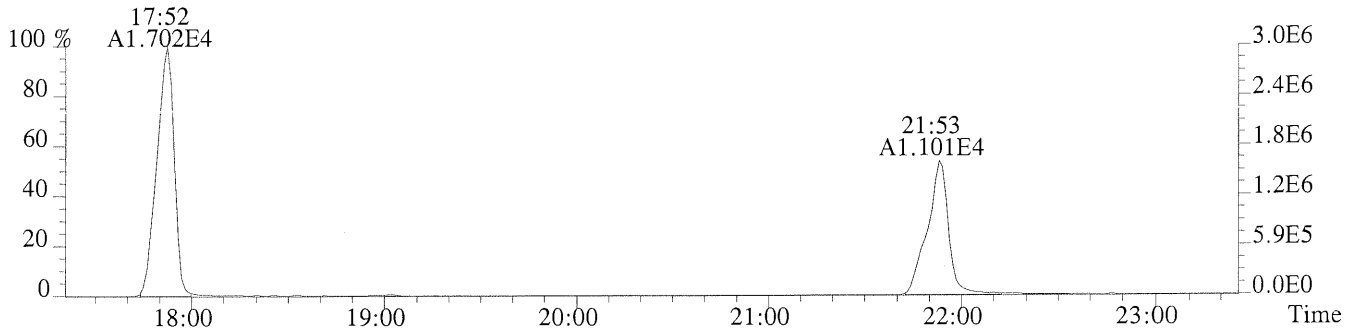
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,31736.0,1.00%,F,T)



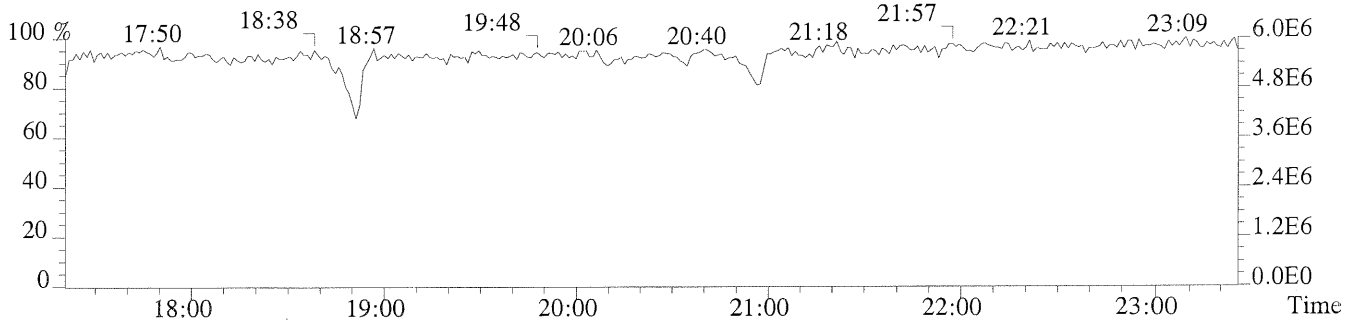
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2764.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1332.0,1.00%,F,T)

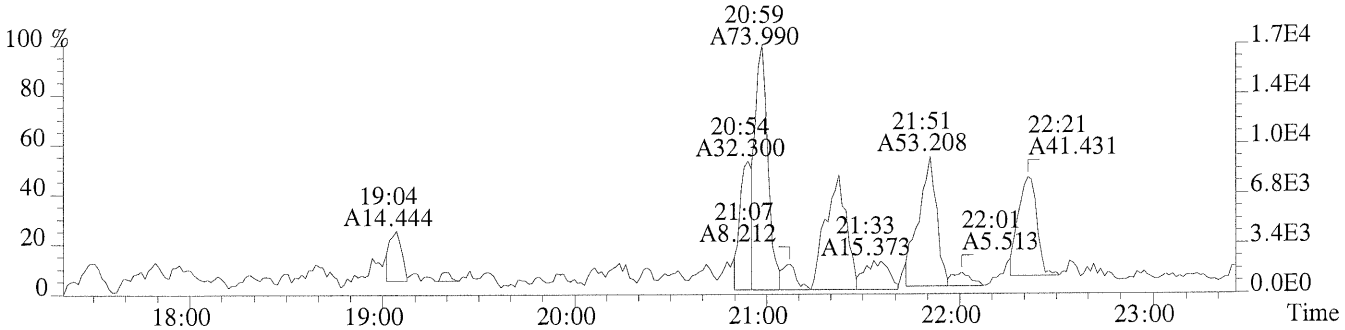


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

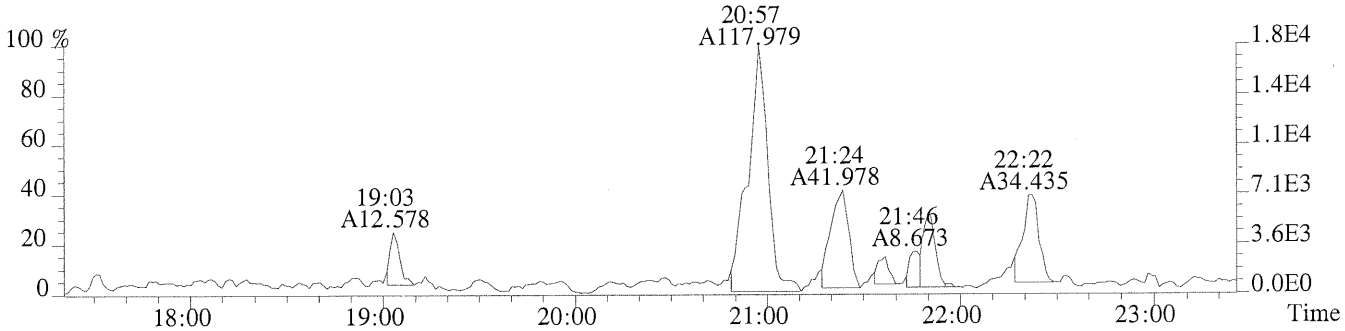


File:U142170 #1-336 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

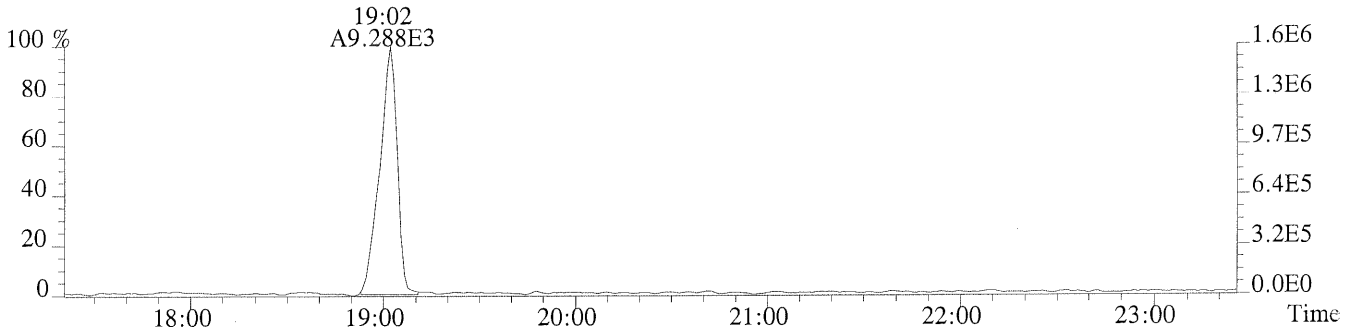
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1492.0,1.00%,F,T)



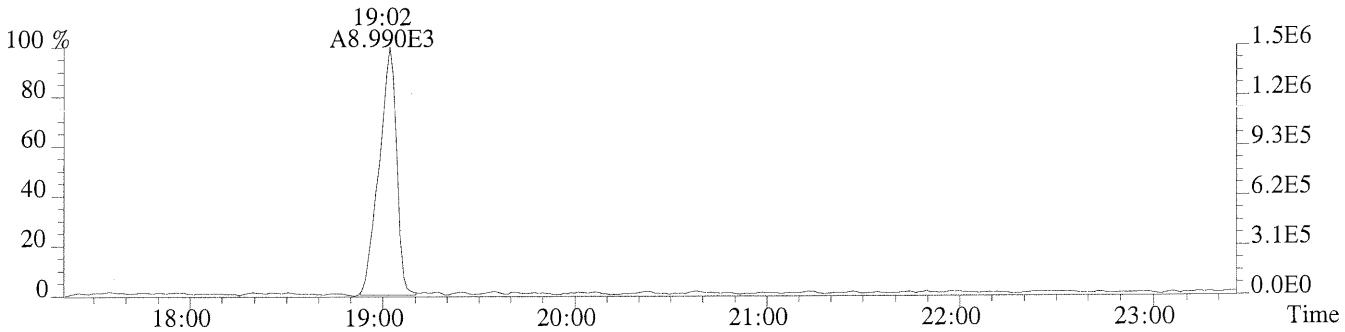
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)



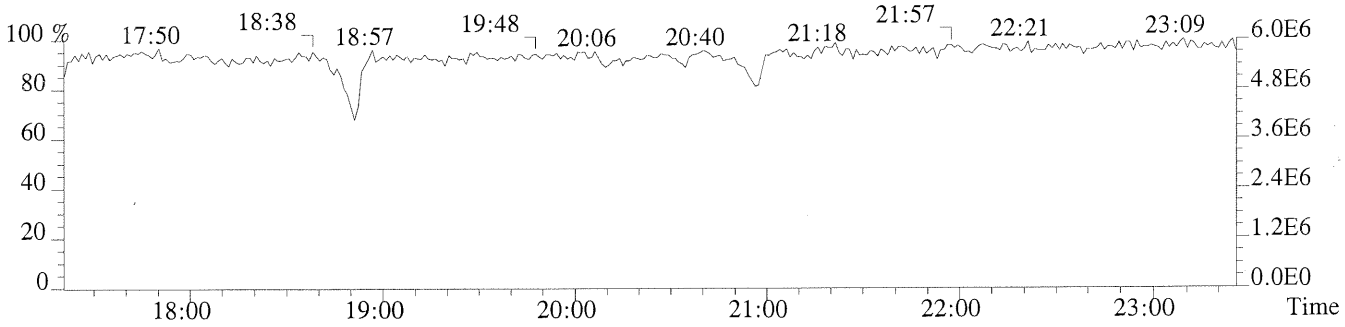
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,21592.0,1.00%,F,T)



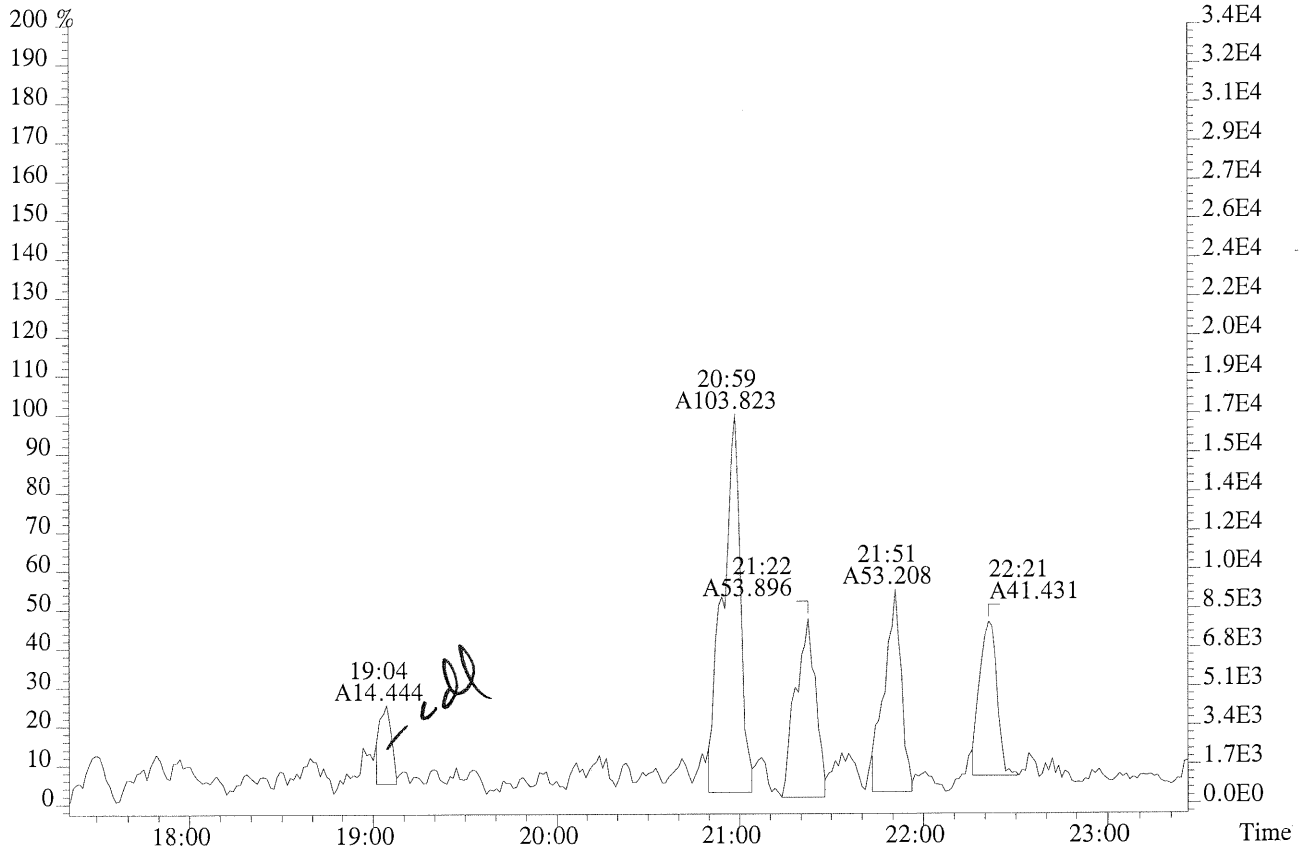
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,22288.0,1.00%,F,T)



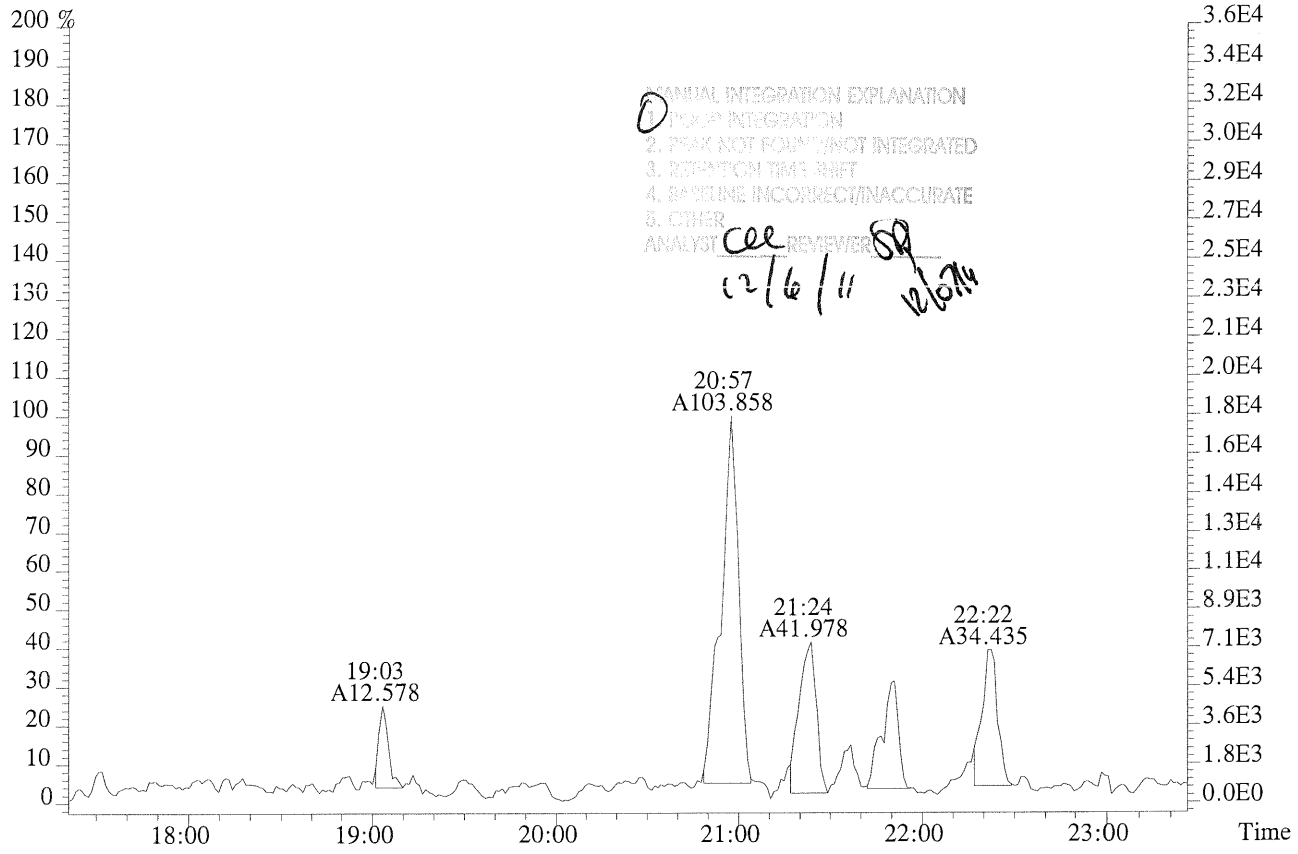
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142170 #1-336 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-008 DUP
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1492.0,1.00%,F,T)

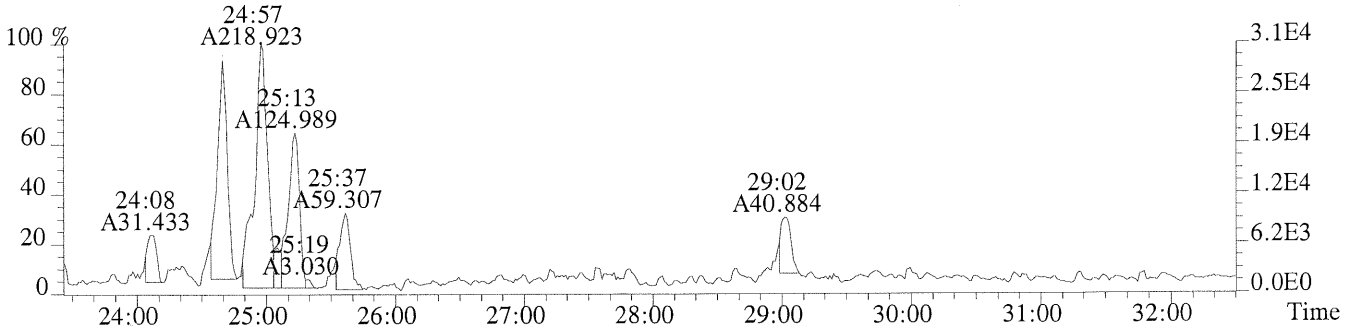


257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)

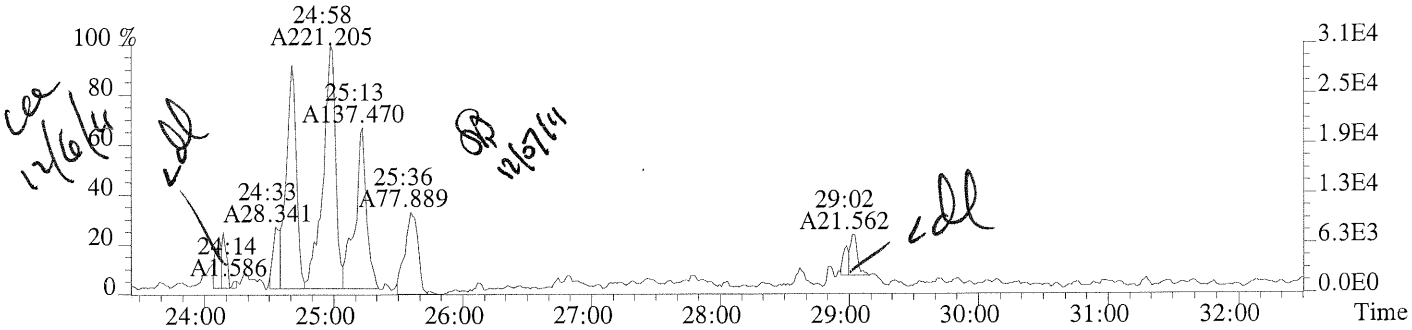


File:U142170 #1-580 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

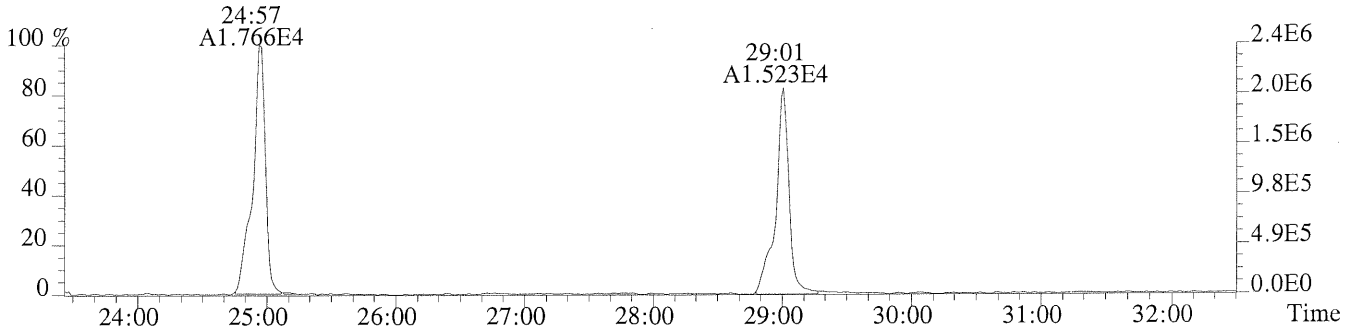
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2380.0,1.00%,F,T)



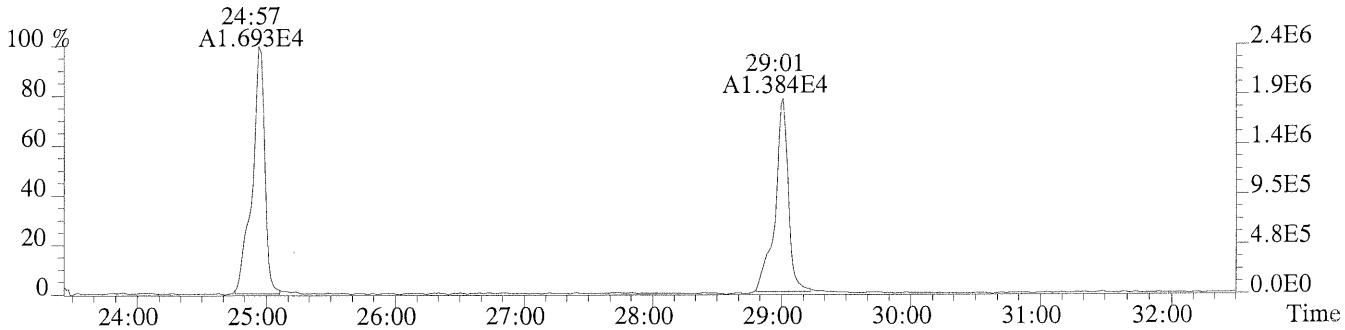
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1588.0,1.00%,F,T)



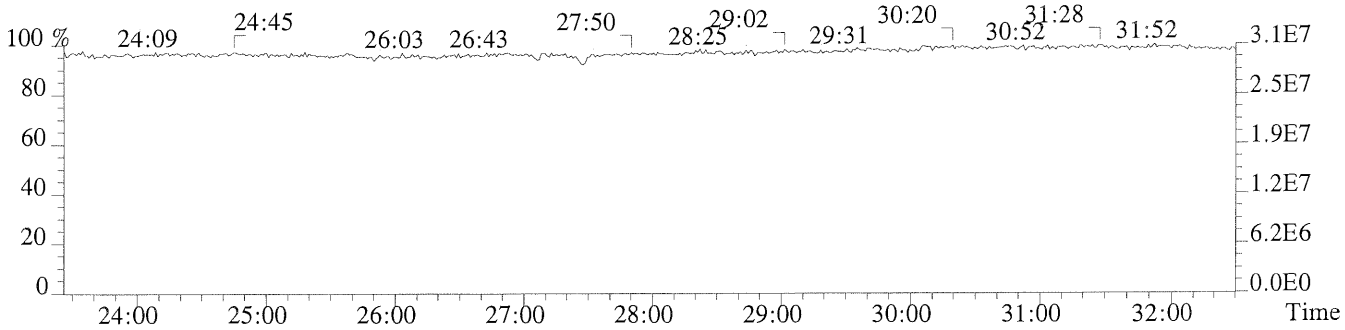
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10068.0,1.00%,F,T)



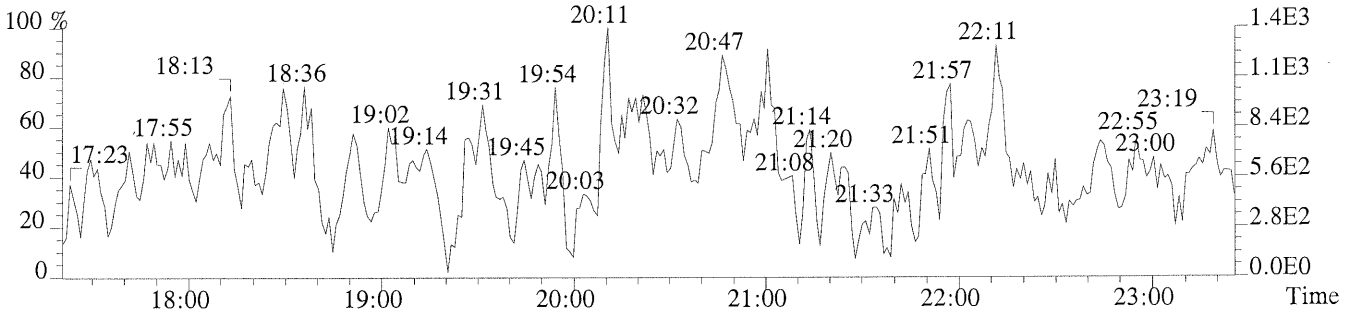
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,15872.0,1.00%,F,T)



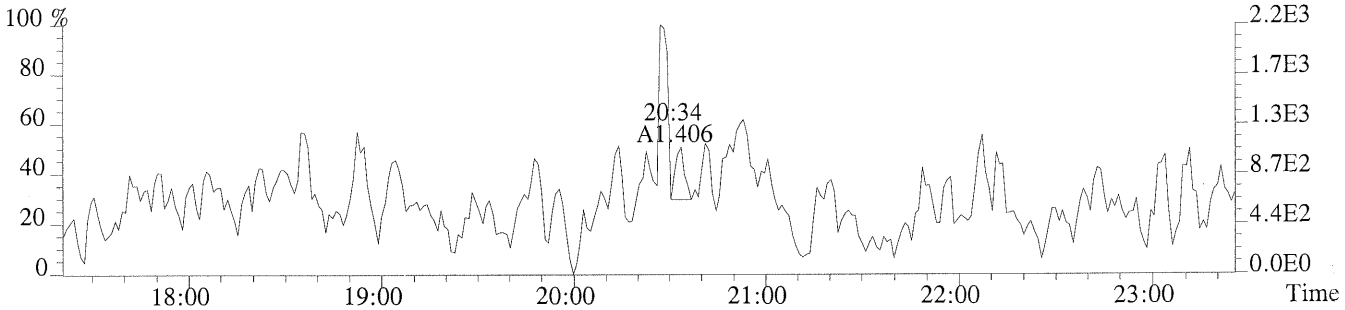
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



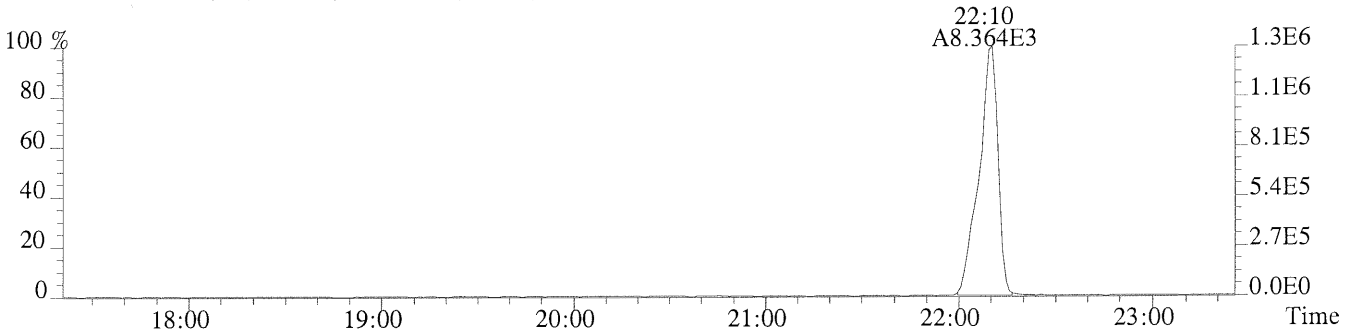
File:U142170 #1-336 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,728.0,1.00%,F,T)



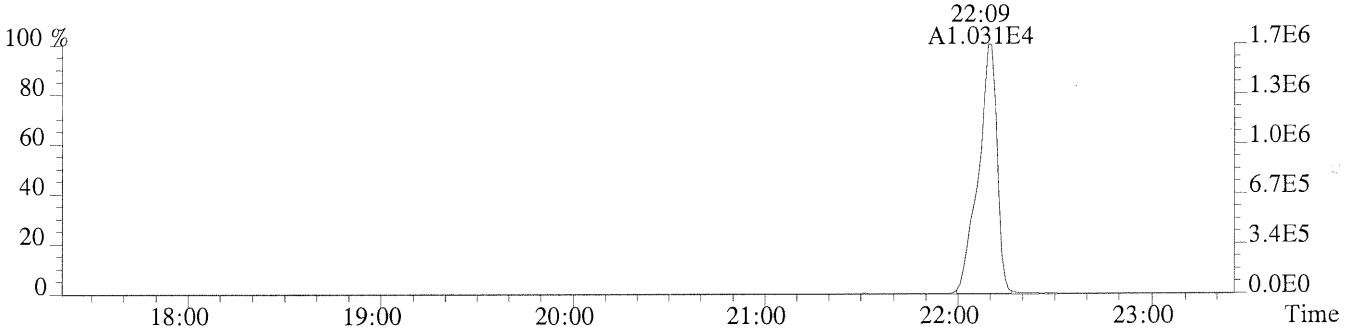
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,804.0,1.00%,F,T)



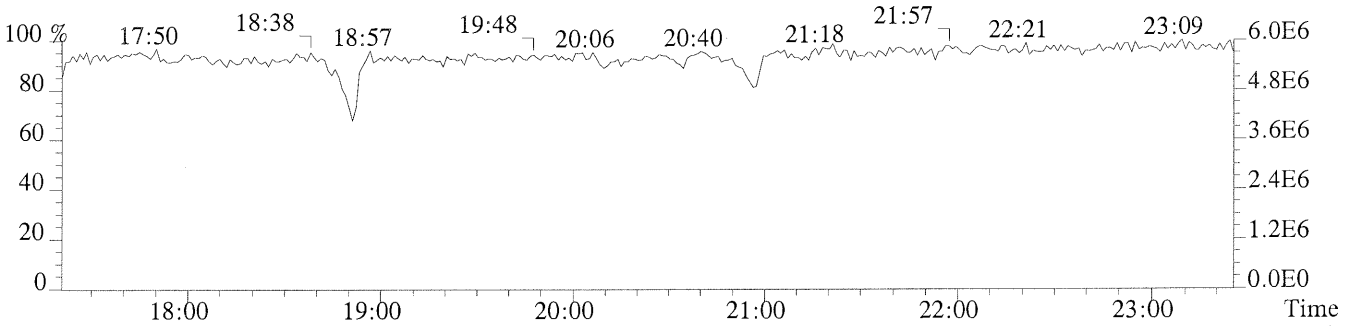
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2952.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,864.0,1.00%,F,T)

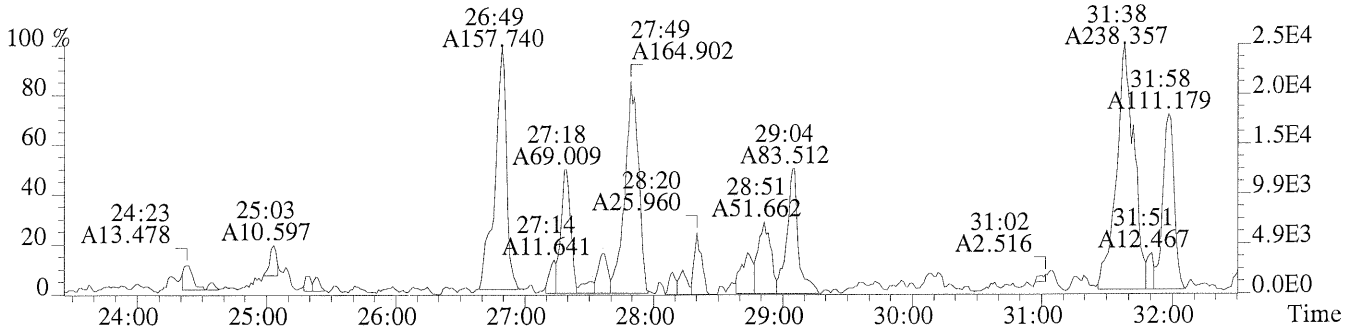


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

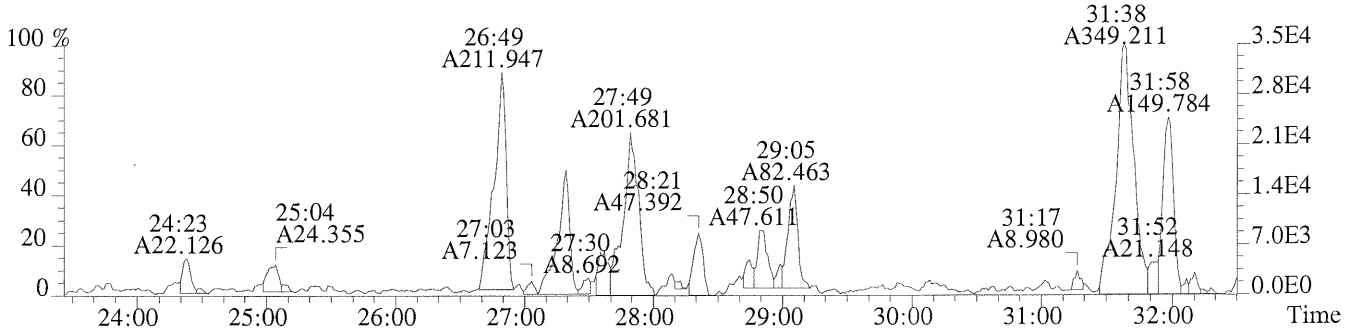


File:U142170 #1-580 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

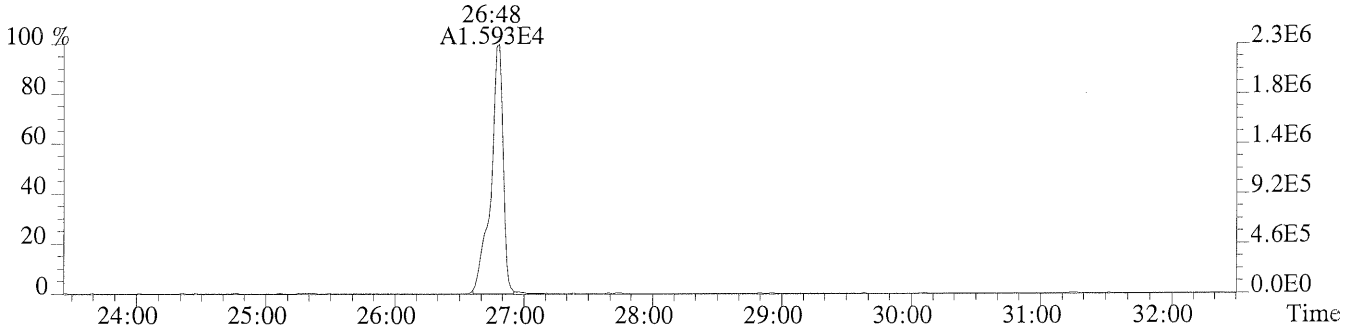
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)



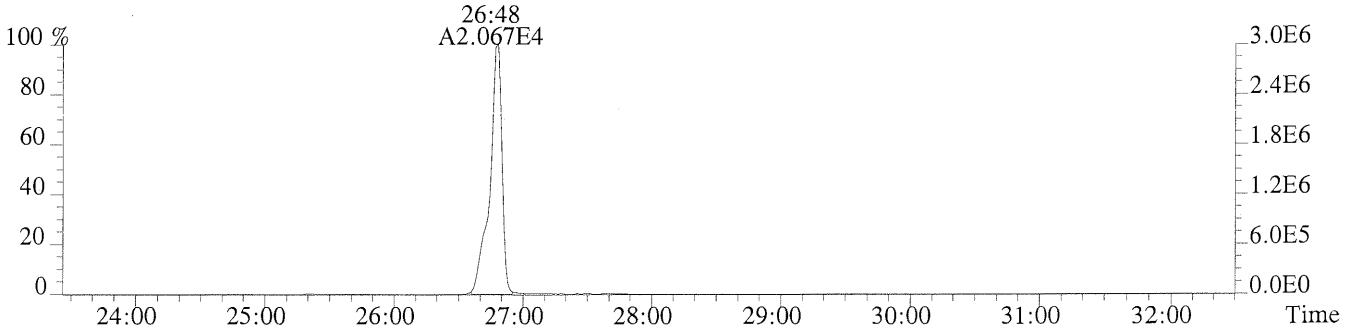
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



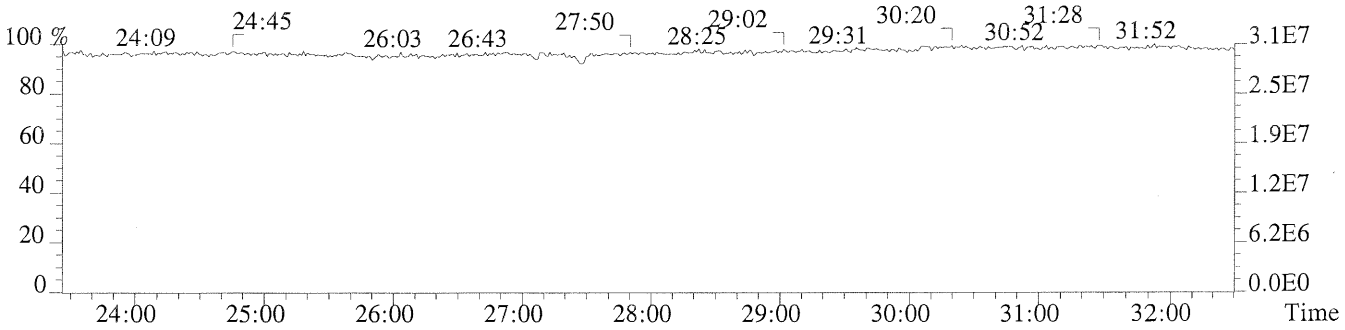
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1820.0,1.00%,F,T)



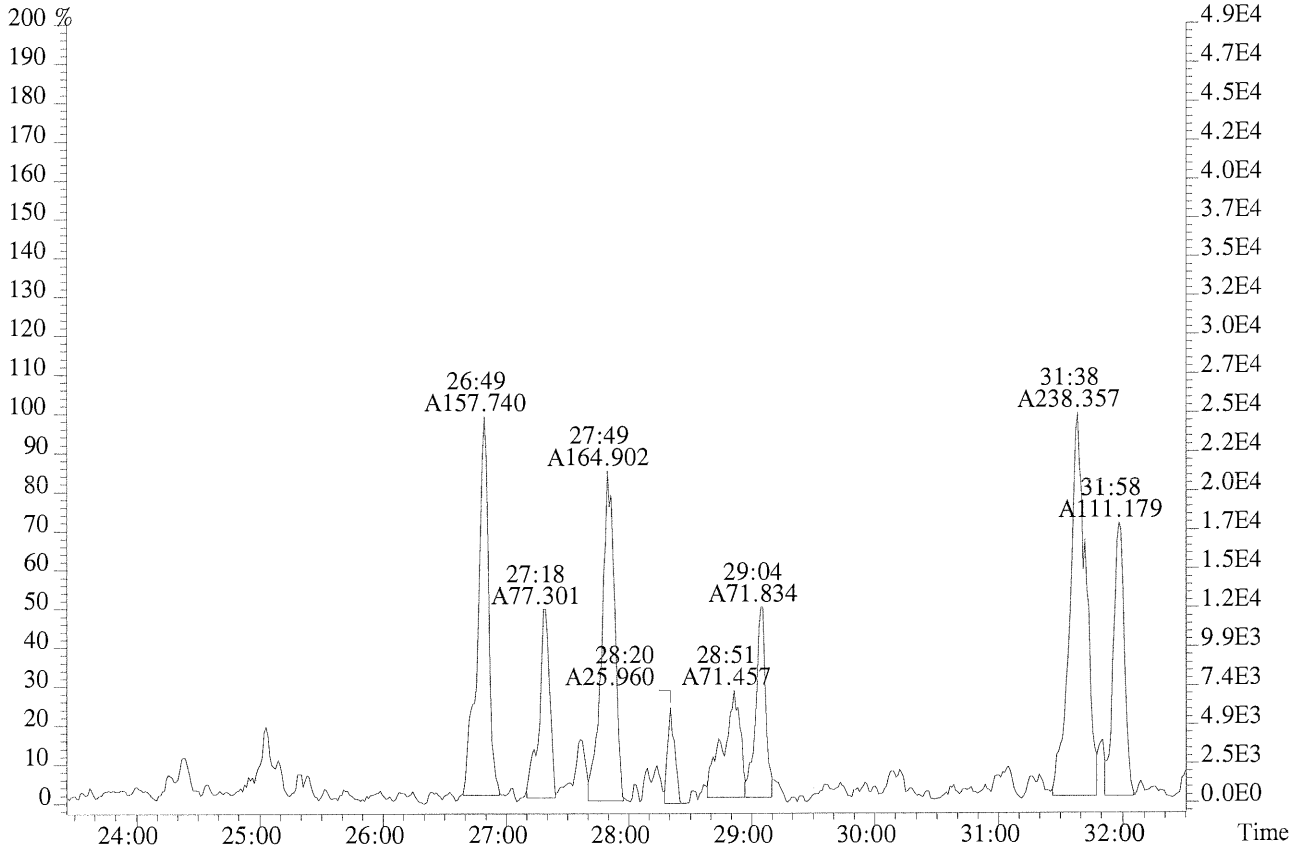
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1724.0,1.00%,F,T)



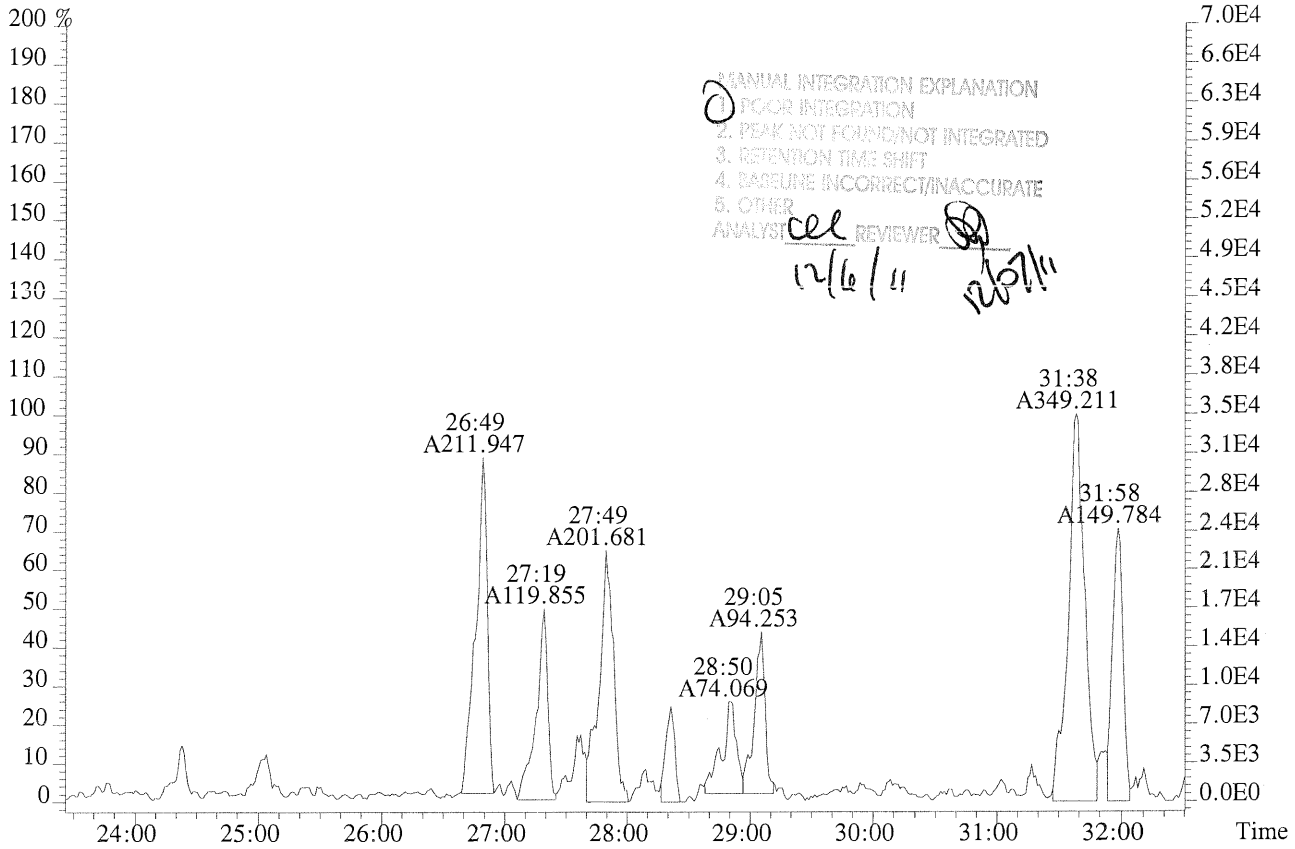
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142170 #1-580 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-008 DUP
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)



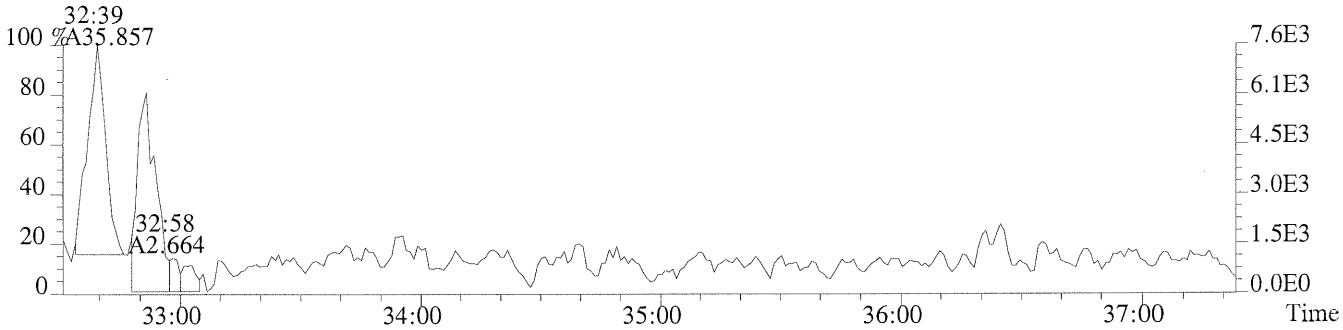
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



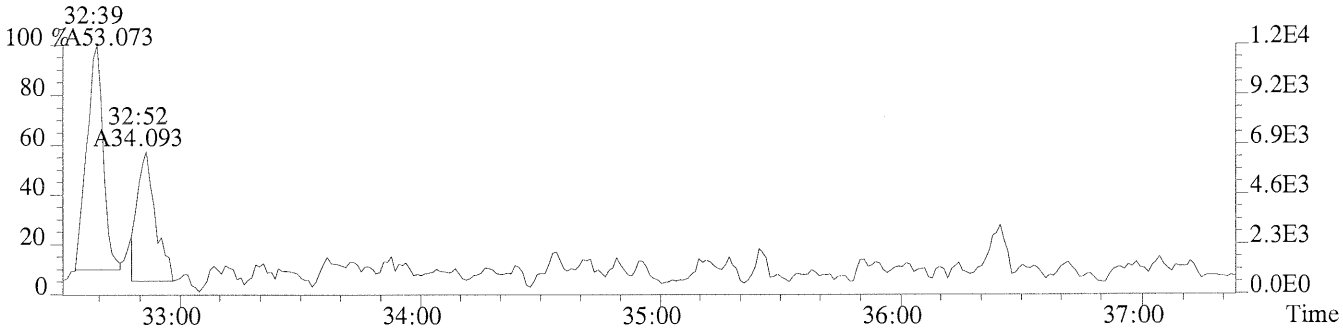
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST cel REVIEWER
12/6/11 12/07/11

File:U142170 #1-312 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

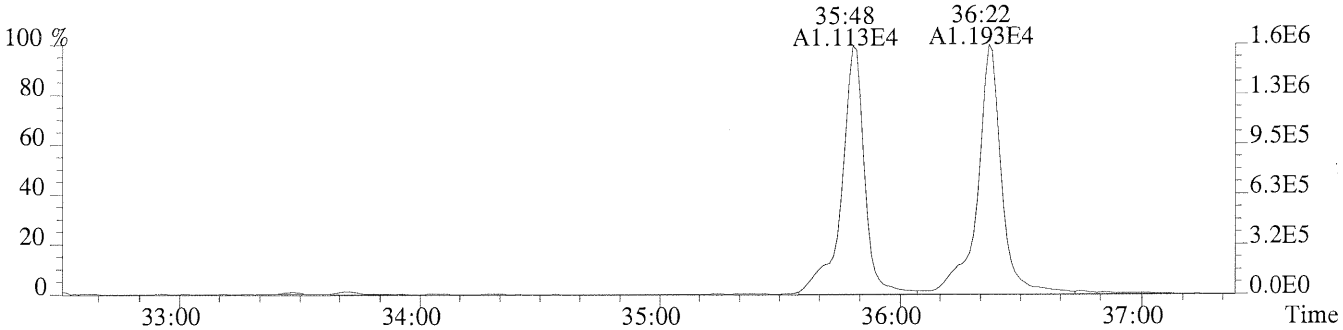
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1336.0,1.00%,F,T)



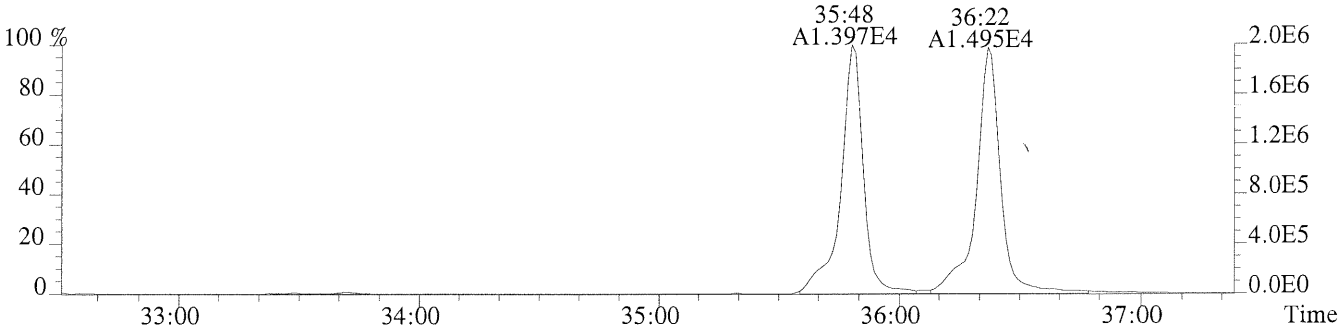
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1412.0,1.00%,F,T)



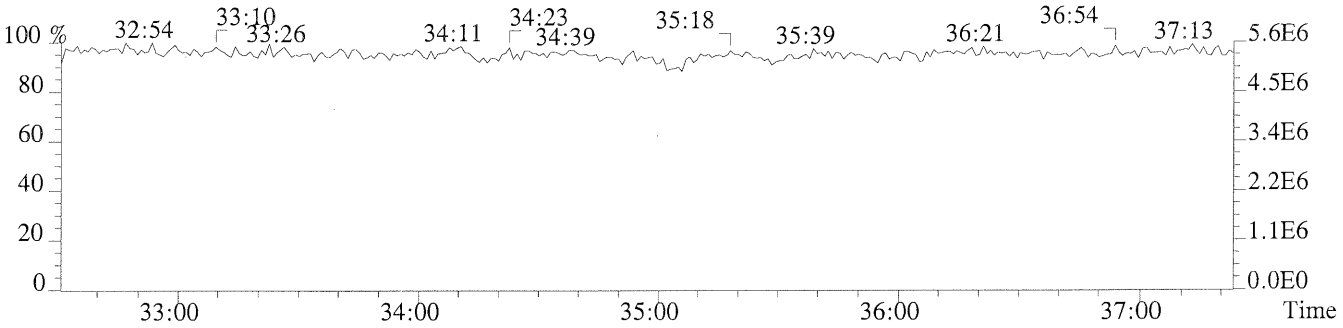
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2396.0,1.00%,F,T)



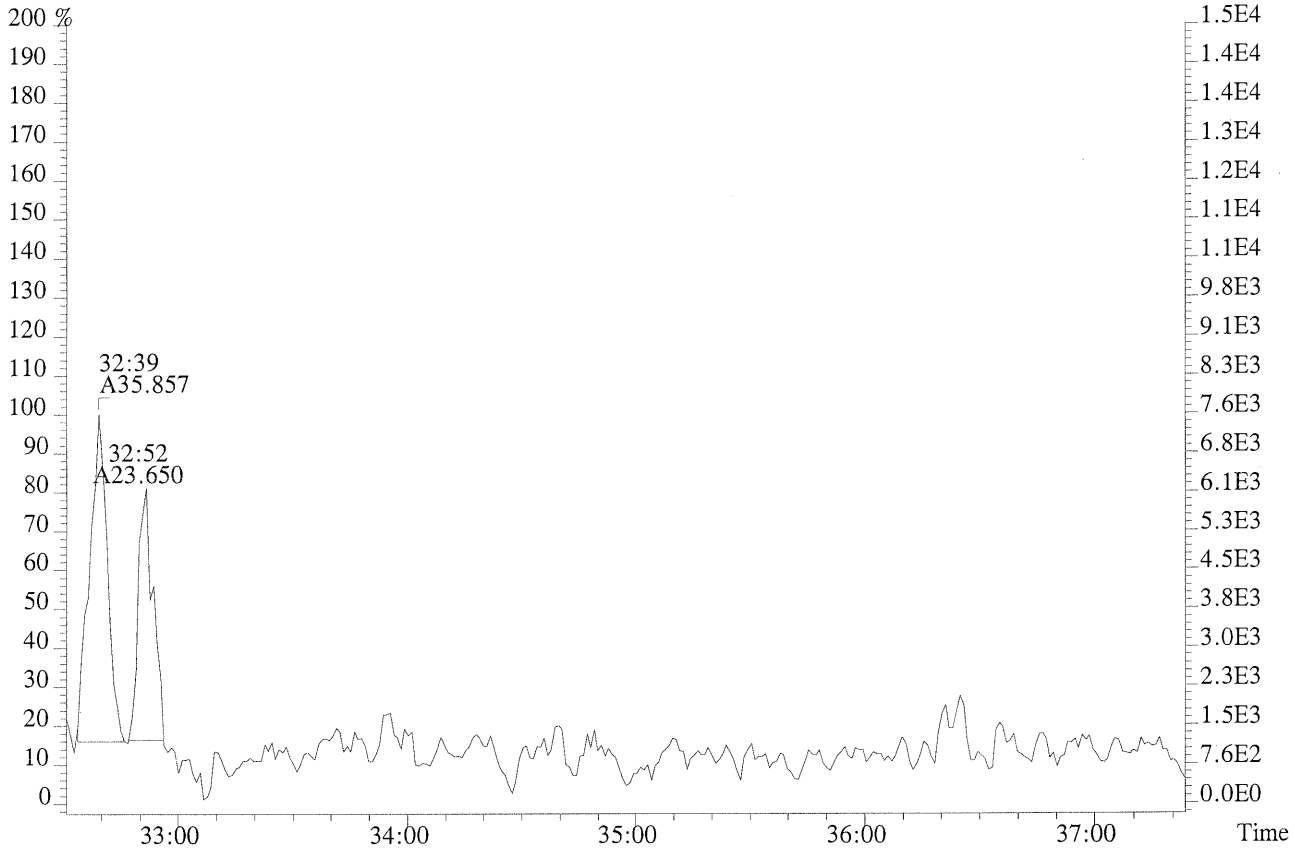
303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1132.0,1.00%,F,T)



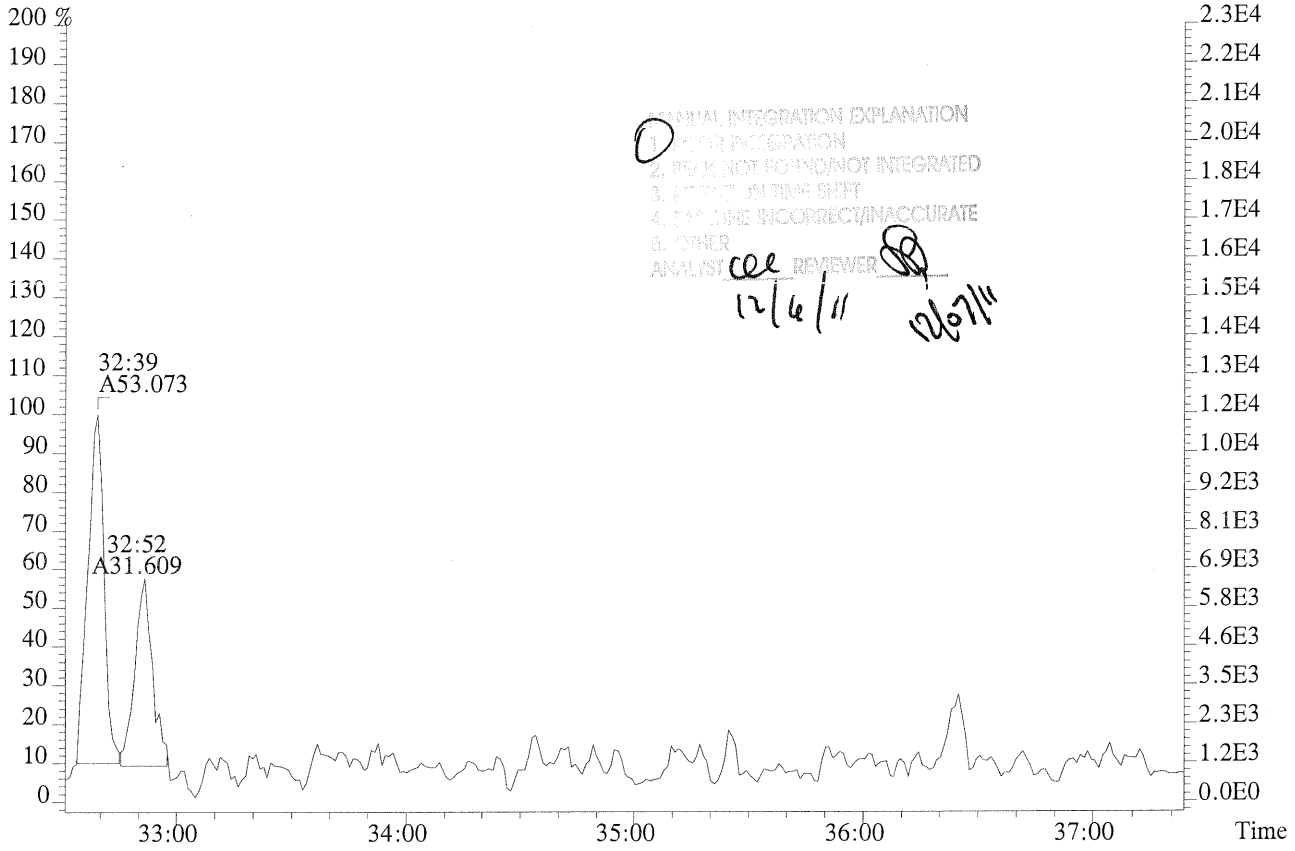
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142170 #1-312 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-008 DUP
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1336.0,1.00%,F,T)



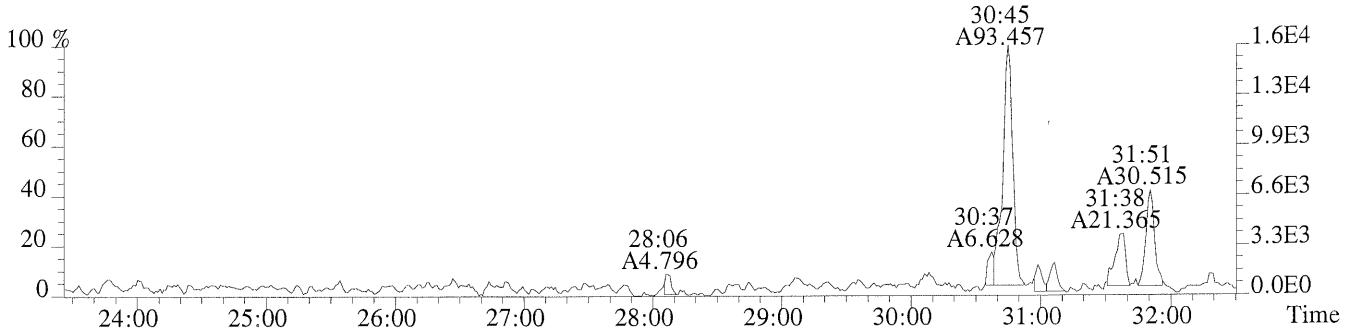
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1412.0,1.00%,F,T)



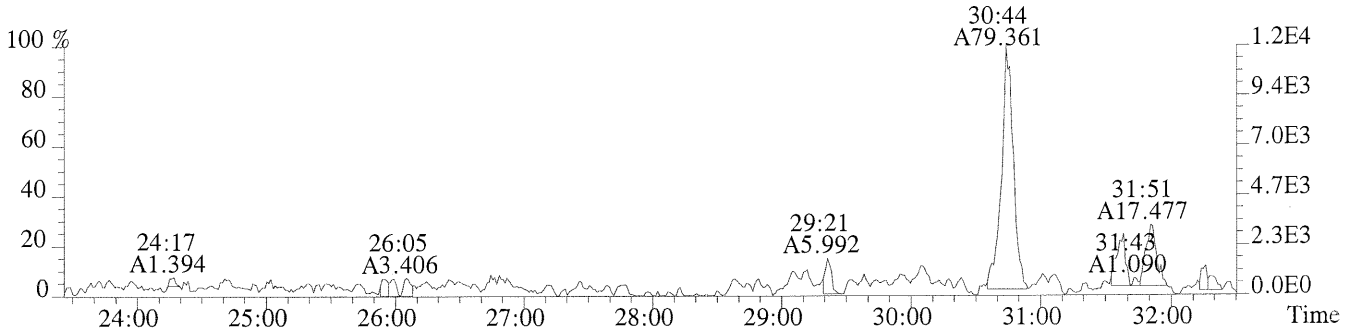
MANUAL INTEGRATION EXPLANATION
1. [illegible] INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. [illegible] ON TIME SHEET
4. [illegible] TIME INCORRECT/INACCURATE
5. OTHER
ANALYST cee REVIEWER [illegible]
12/6/11 12/07/11

File:U142170 #1-580 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

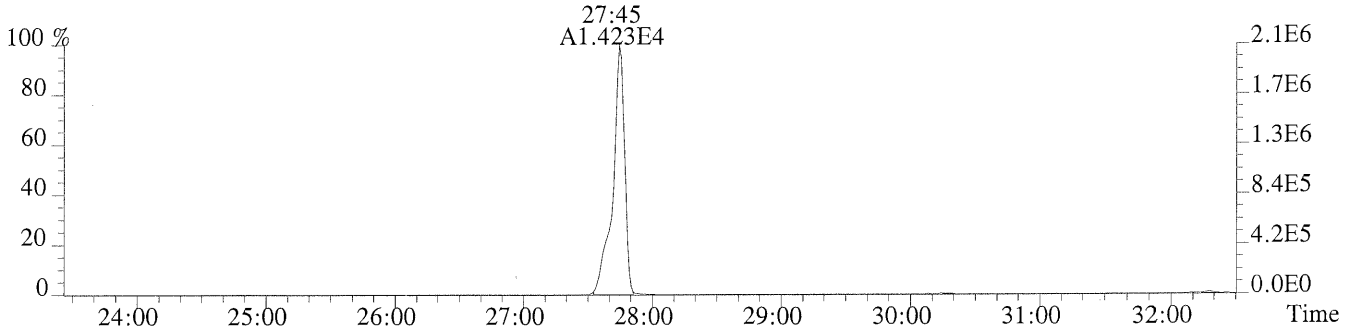
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,692.0,1.00%,F,T)



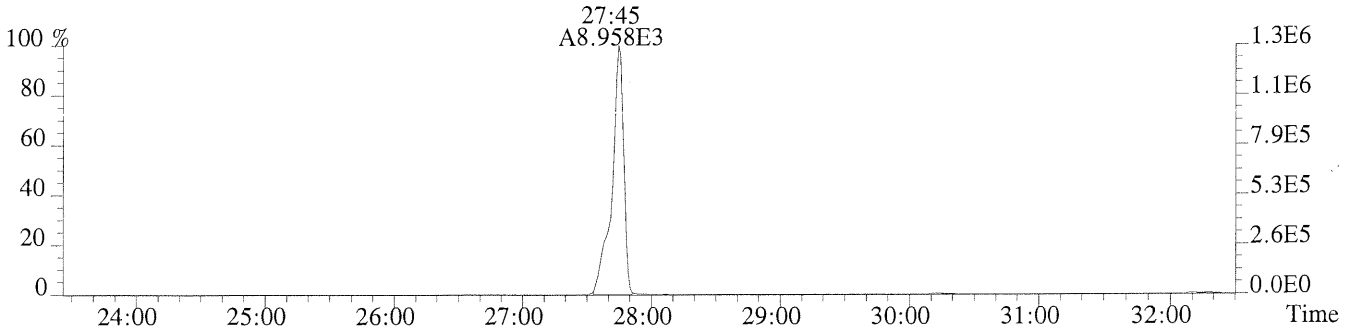
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,552.0,1.00%,F,T)



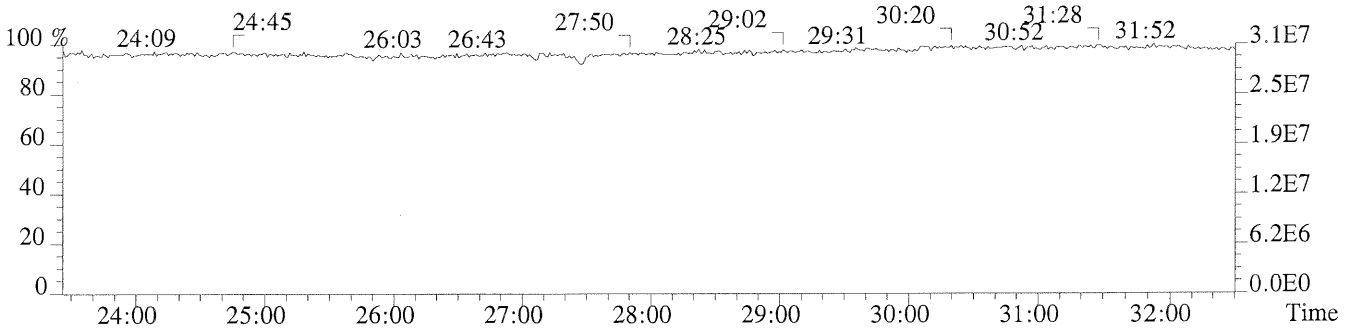
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1272.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,676.0,1.00%,F,T)

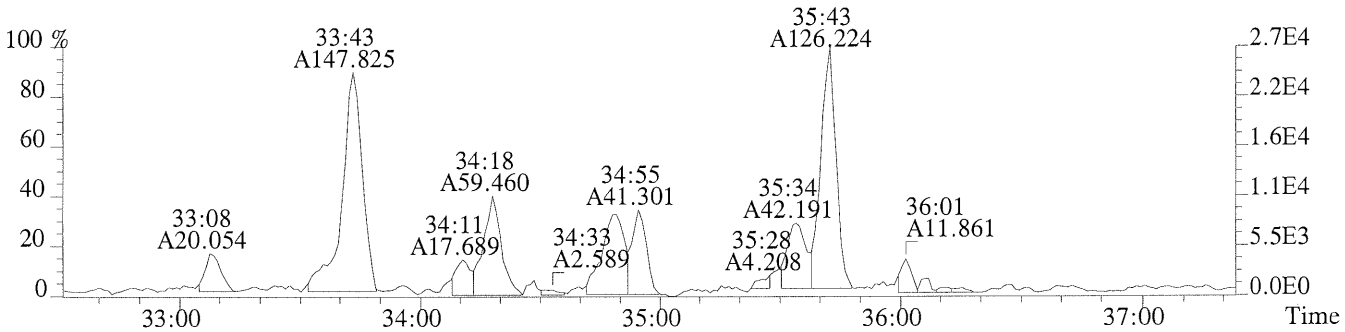


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

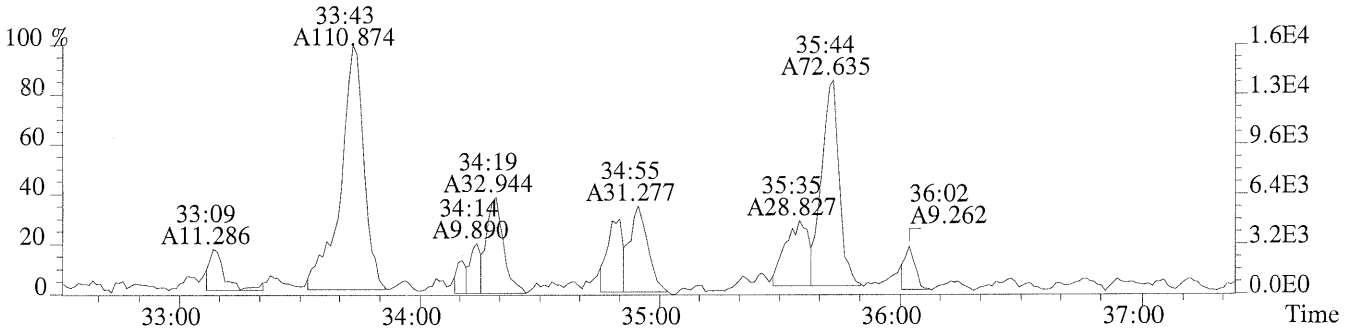


File:U142170 #1-312 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

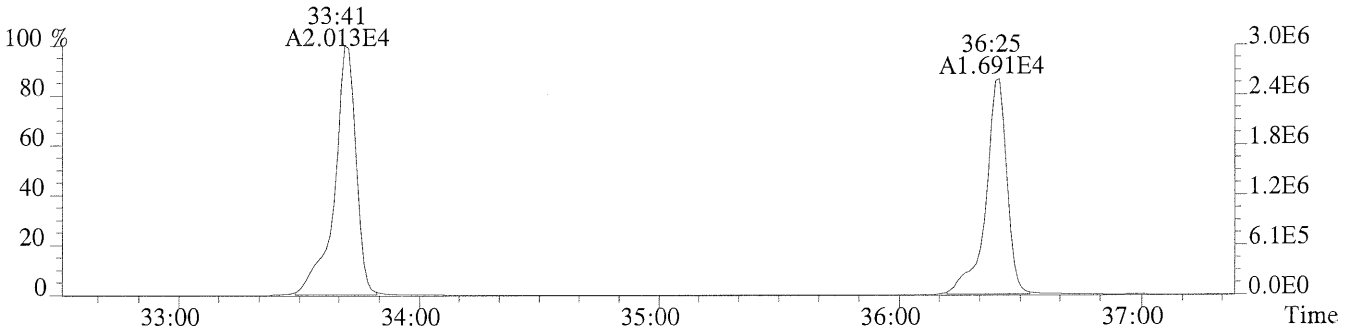
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



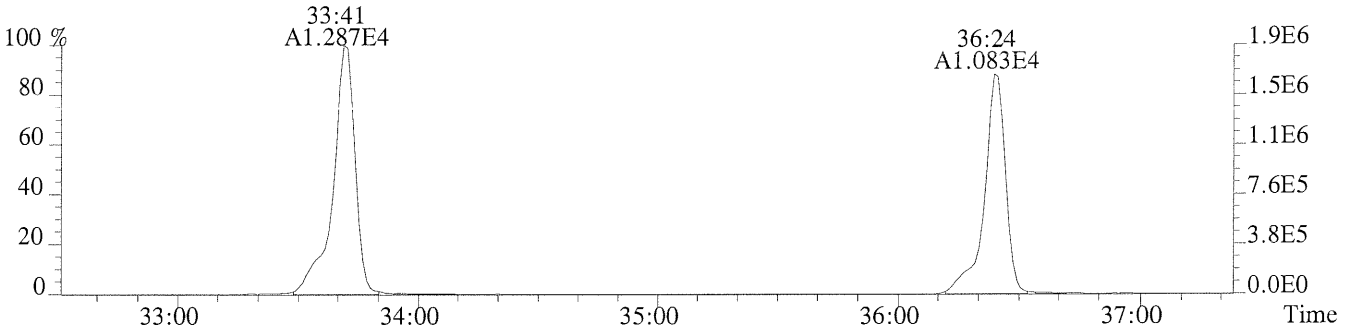
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)



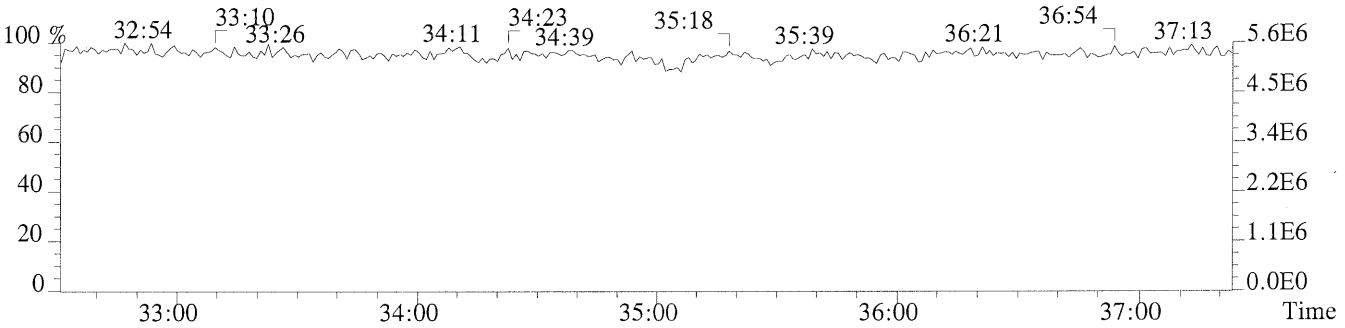
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1872.0,1.00%,F,T)



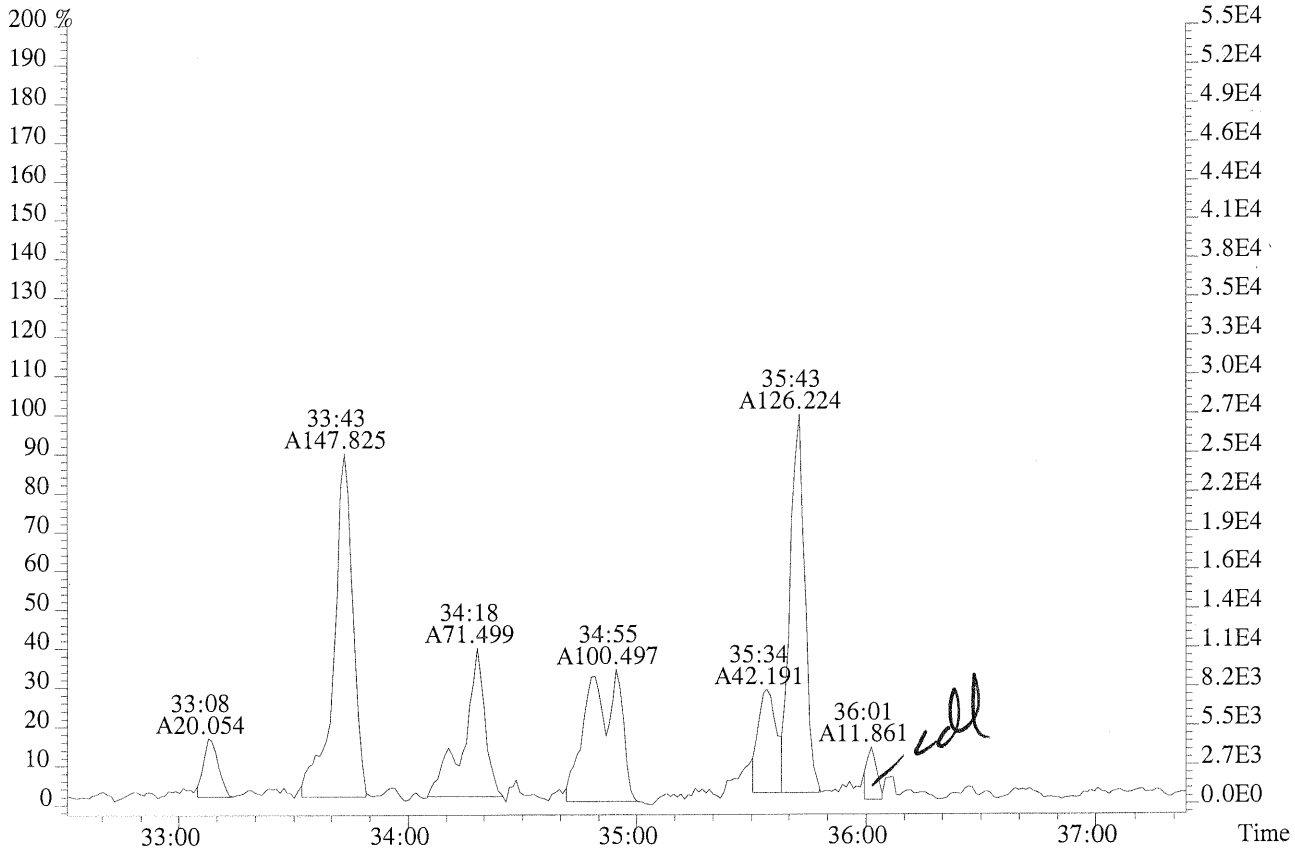
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,700.0,1.00%,F,T)



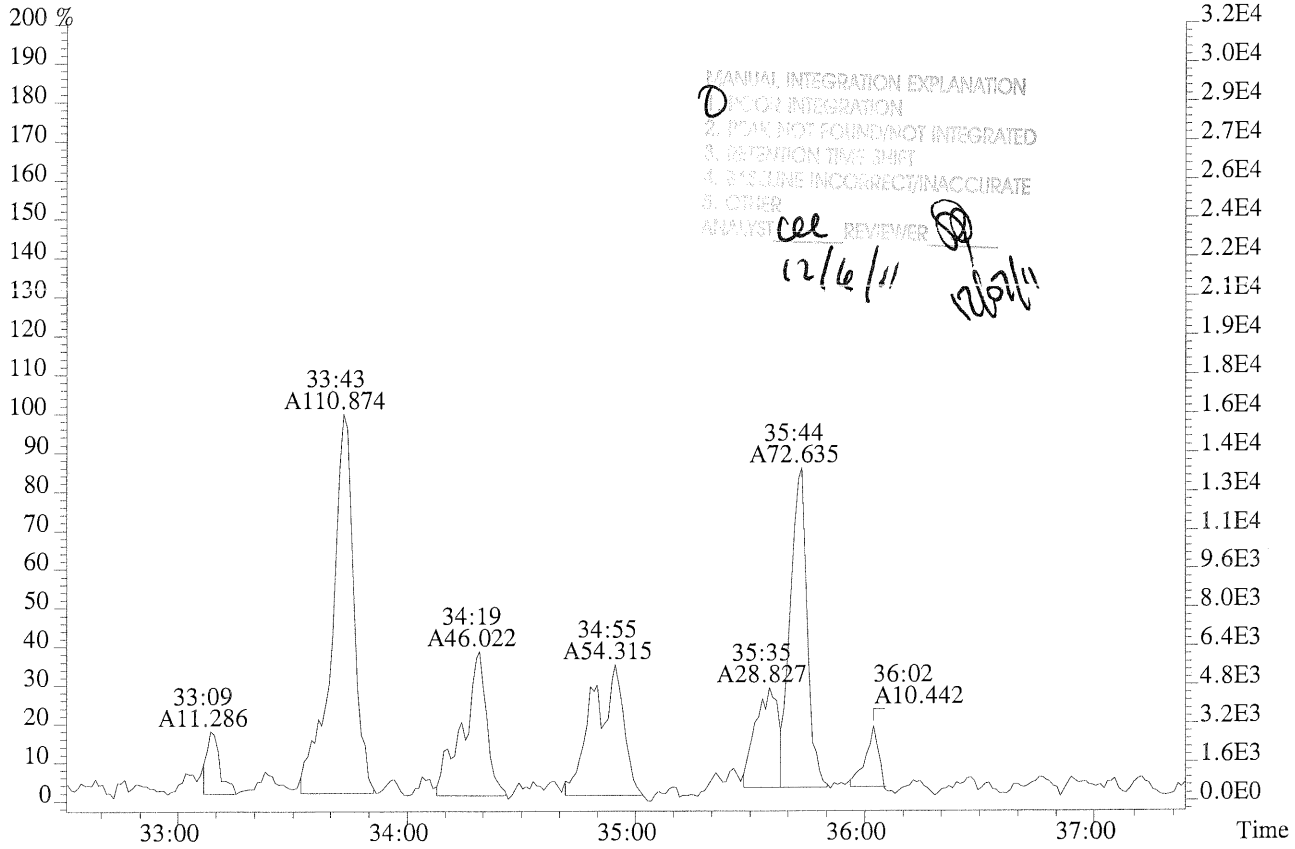
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142170 #1-312 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:E1101076-008 DUP
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



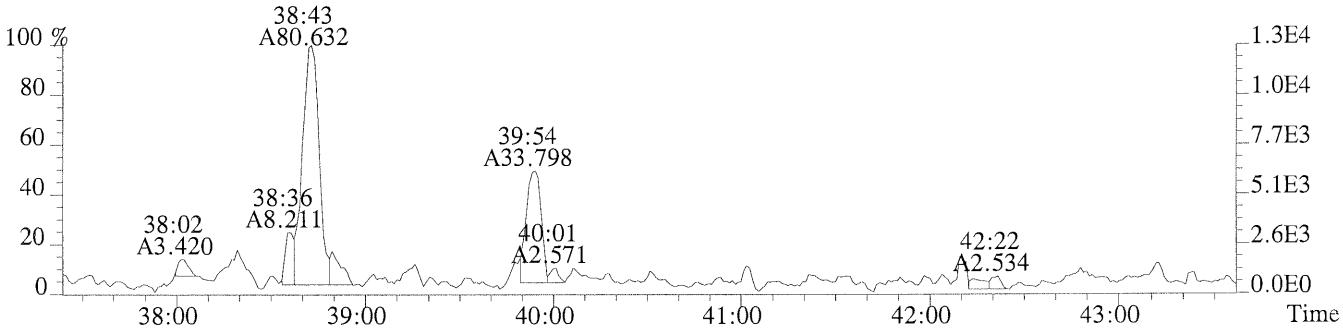
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)



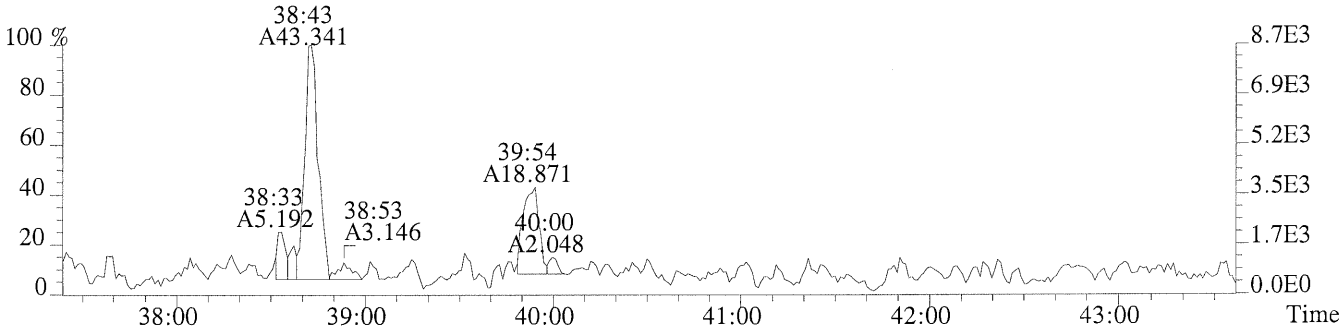
MANUAL INTEGRATION EXPLANATION
1. NO INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST cel 12/6/11 REVIEWER 12/07/11

File:U142170 #1-398 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

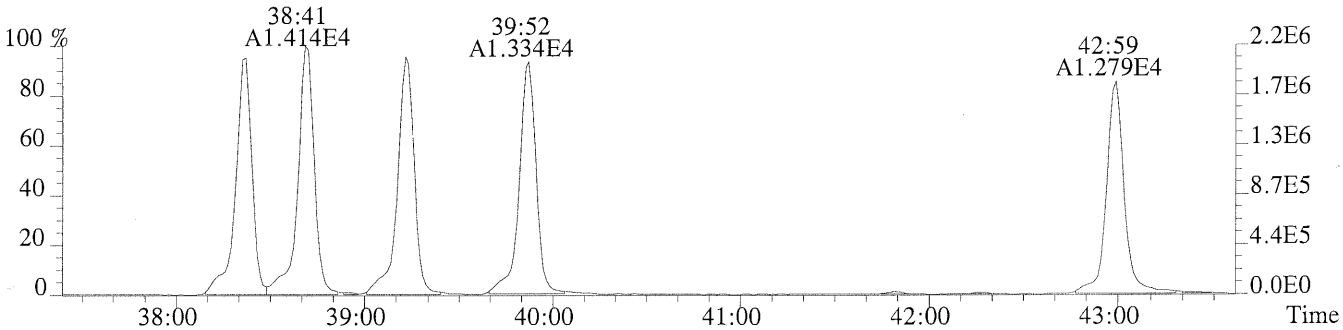
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,848.0,1.00%,F,T)



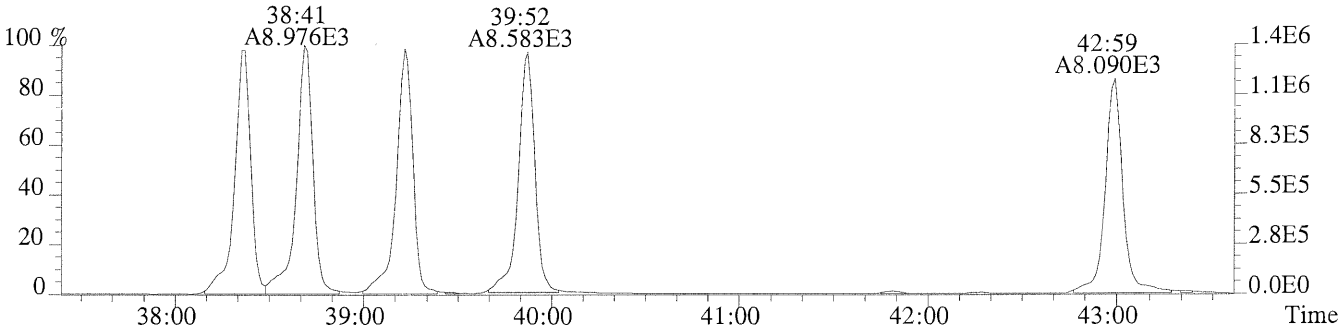
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



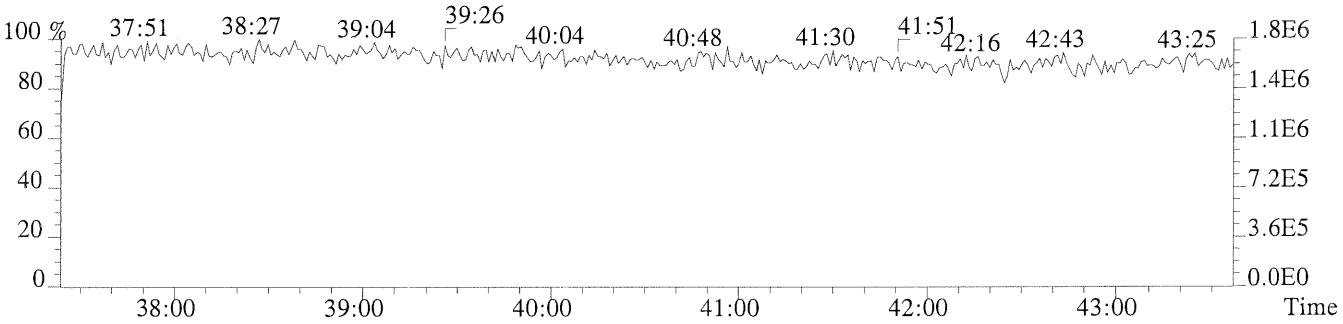
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5212.0,1.00%,F,T)



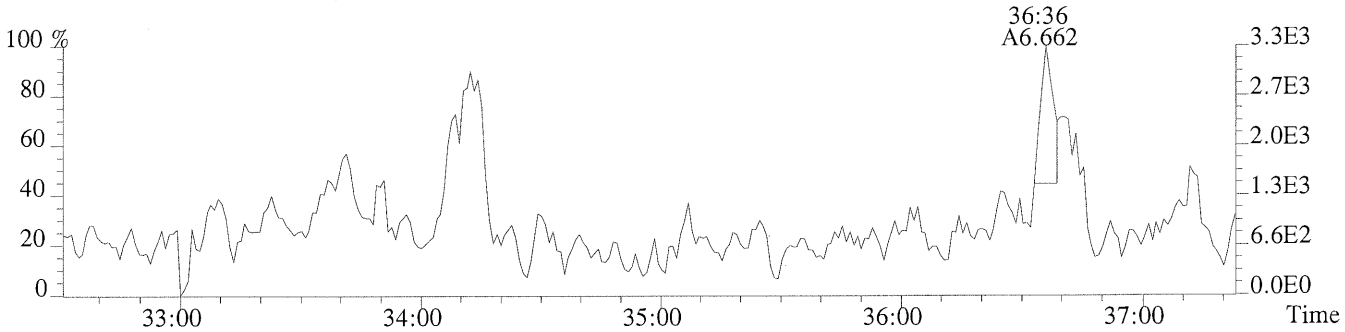
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4216.0,1.00%,F,T)



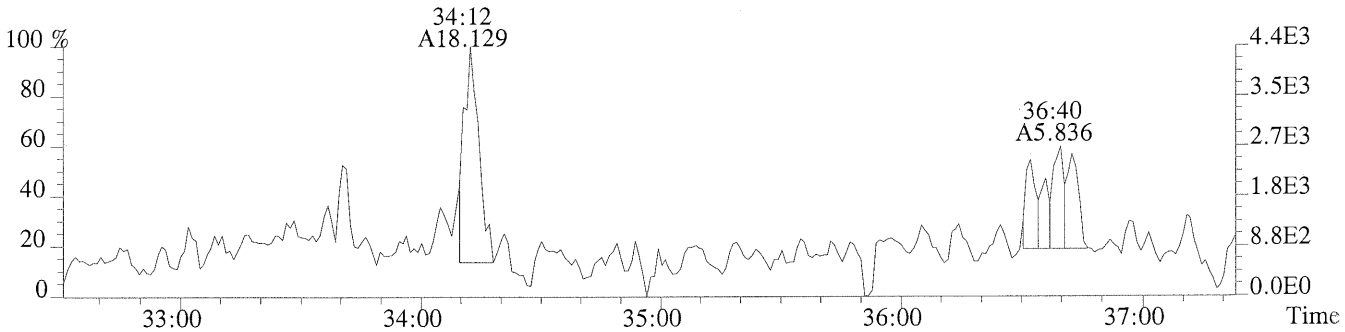
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



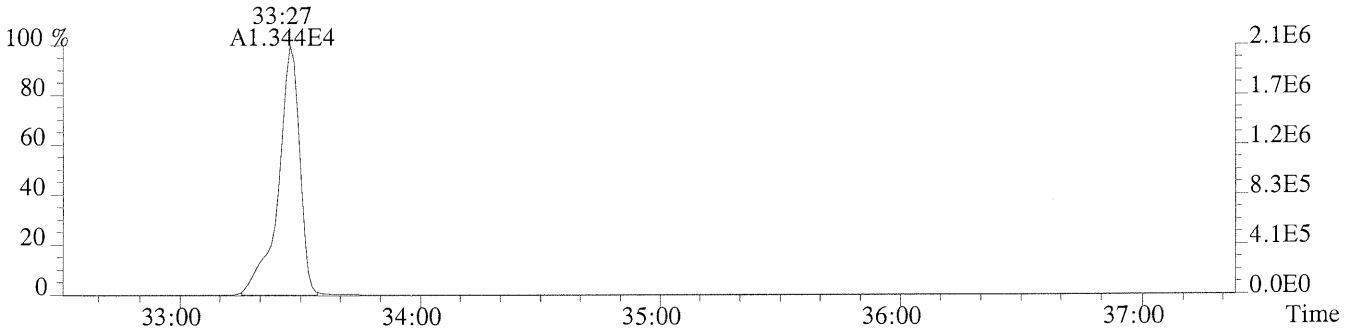
File:U142170 #1-312 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)



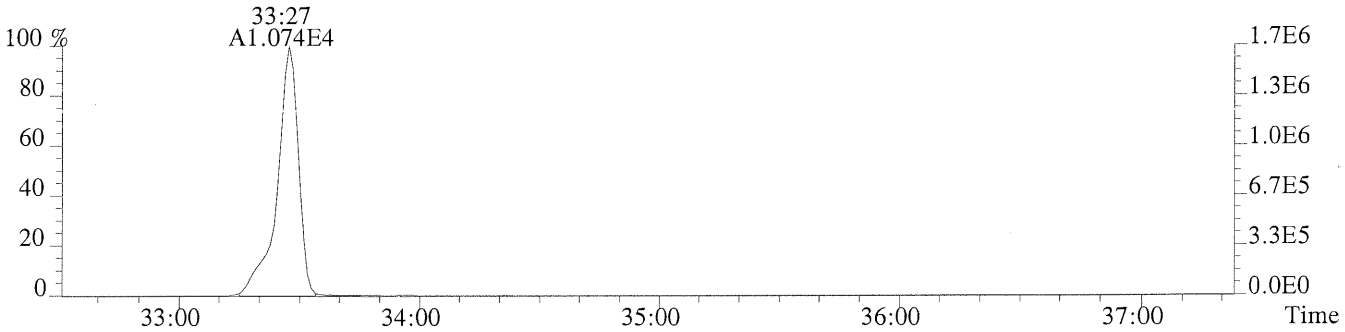
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1052.0,1.00%,F,T)



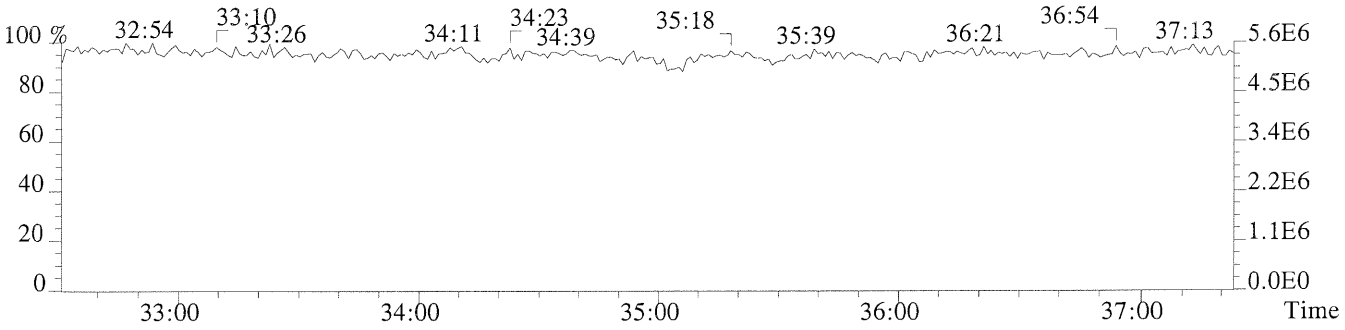
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,940.0,1.00%,F,T)



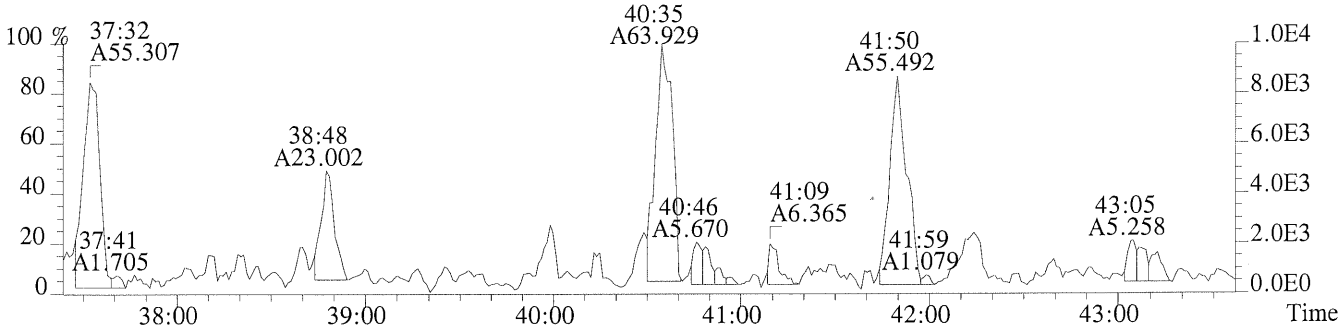
373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)



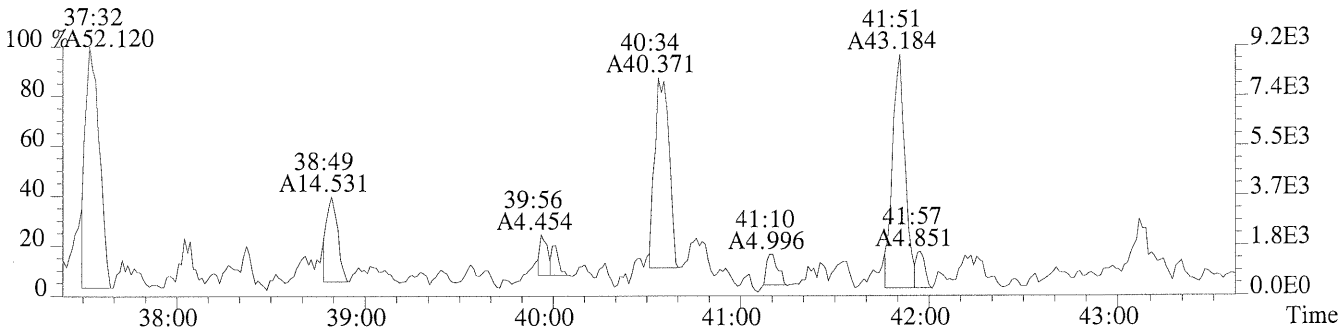
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



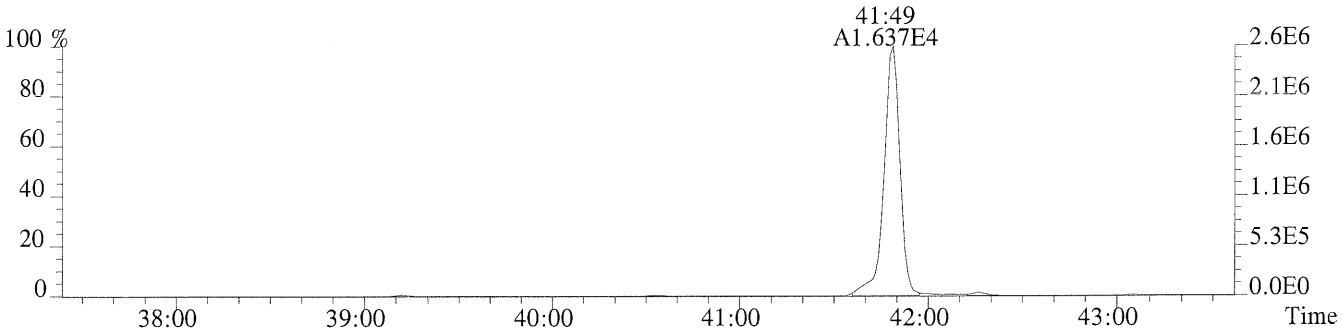
File:U142170 #1-398 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)



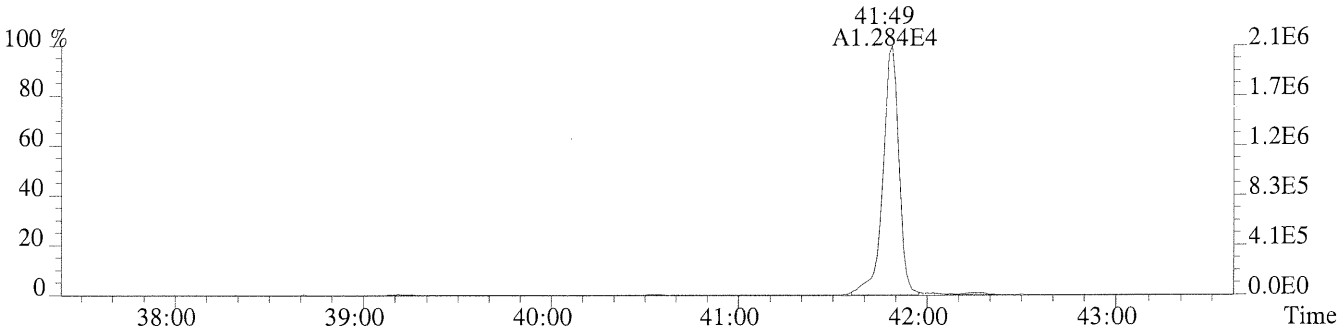
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,992.0,1.00%,F,T)



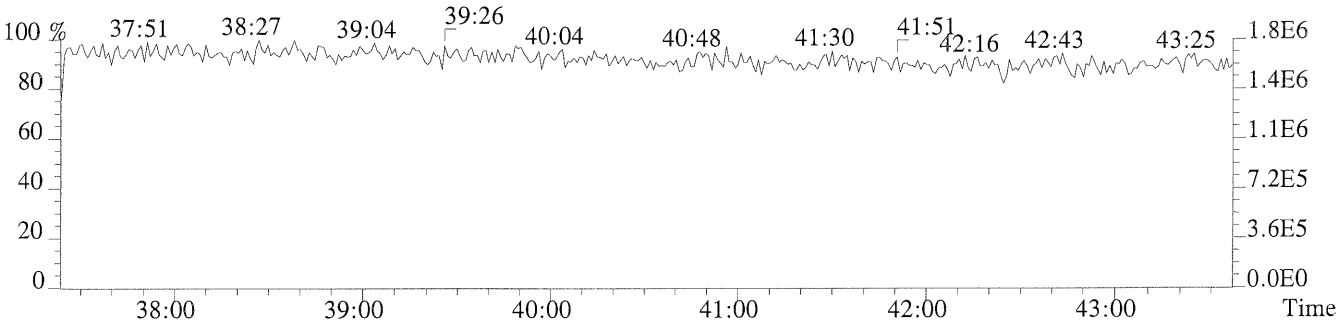
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)



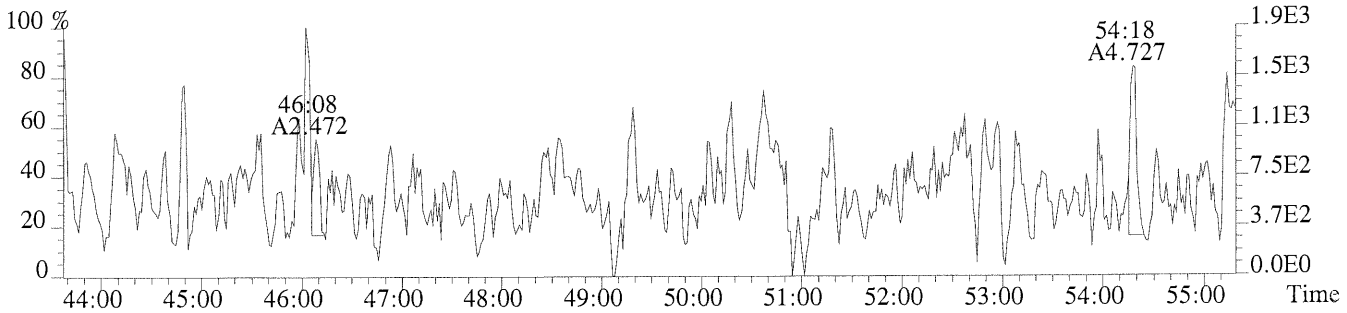
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



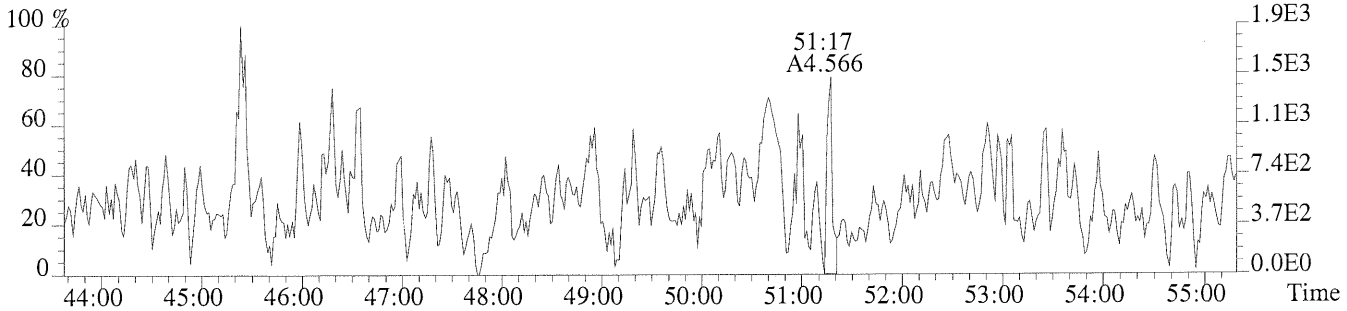
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



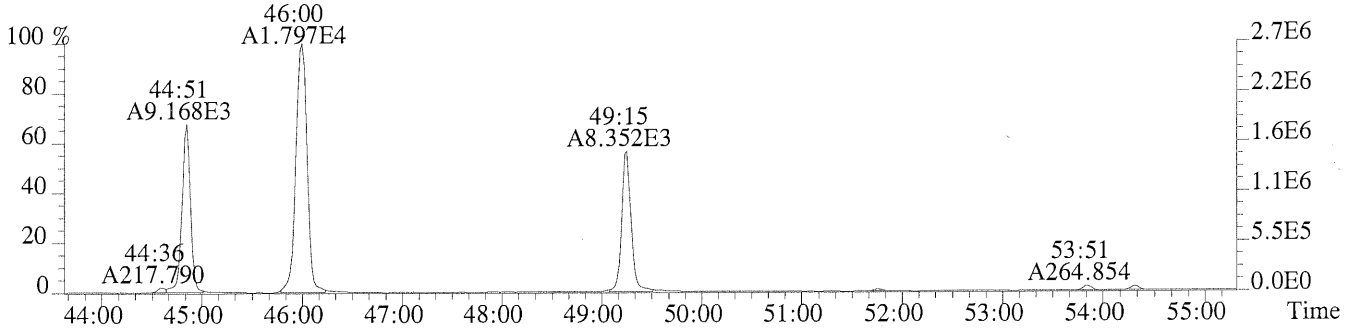
File:U142170 #1-579 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



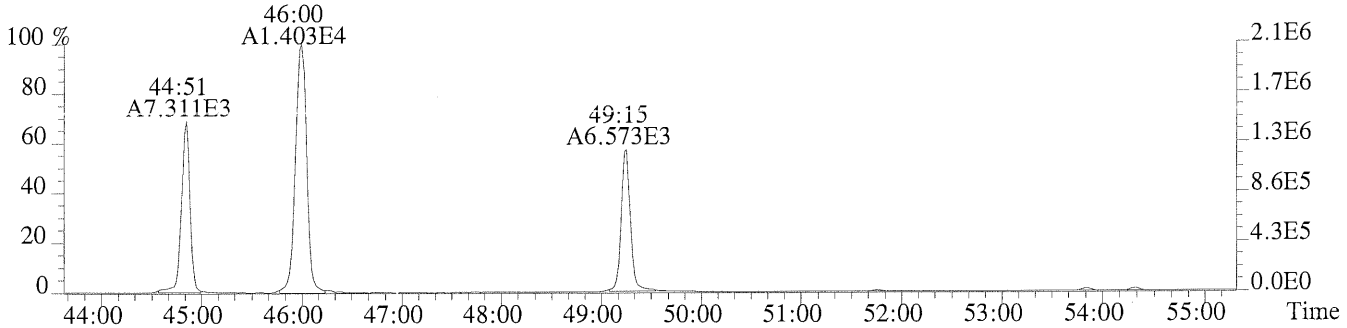
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,676.0,1.00%,F,T)



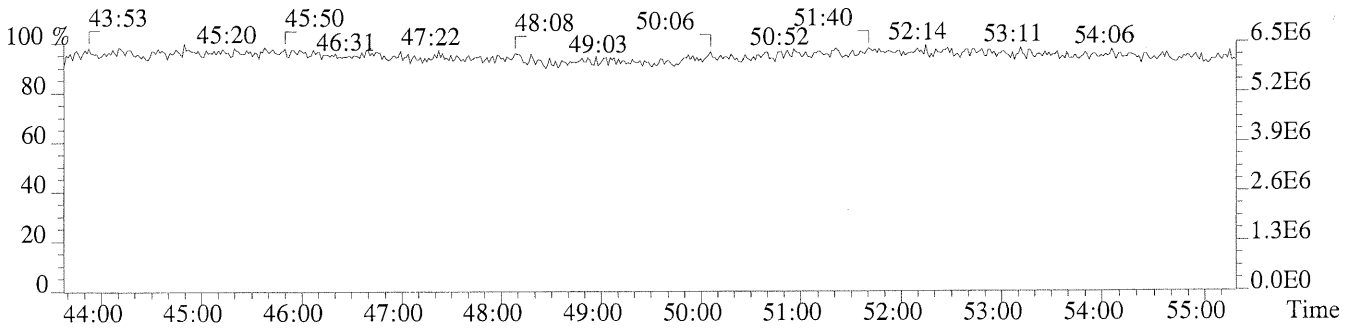
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5828.0,1.00%,F,T)



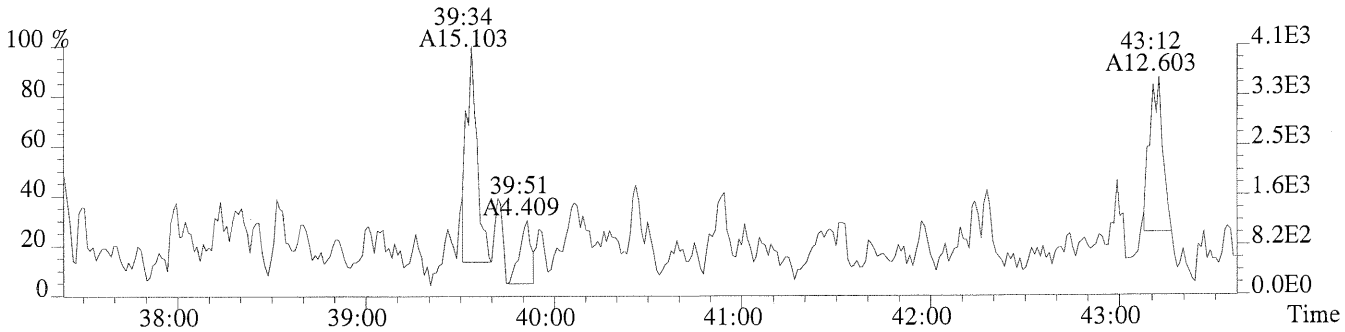
373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5684.0,1.00%,F,T)



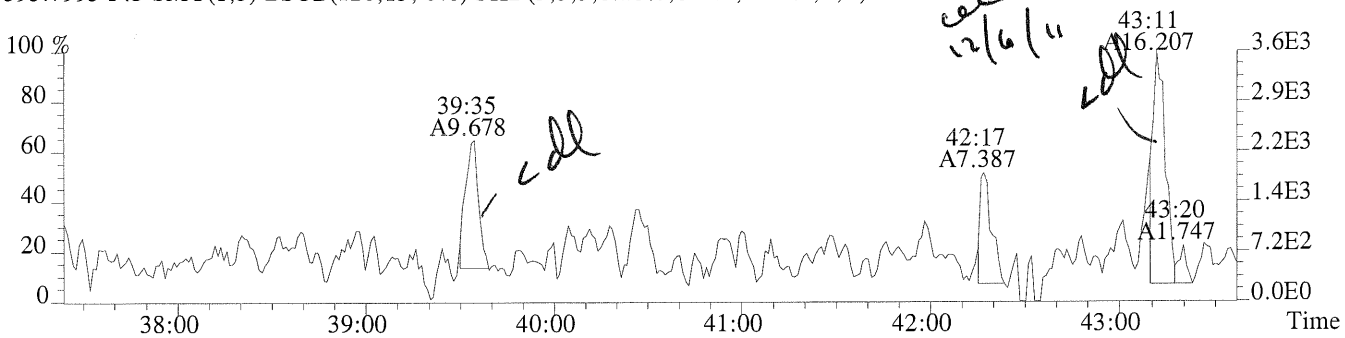
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



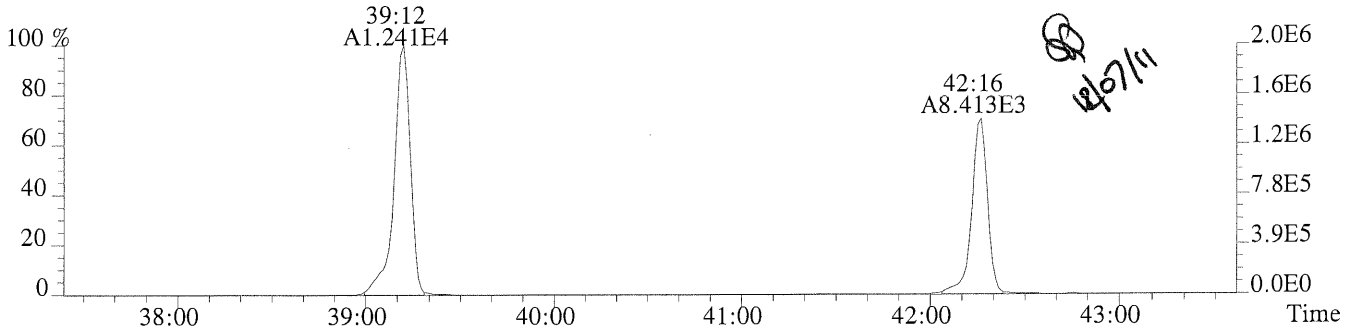
File:U142170 #1-398 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1032.0,1.00%,F,T)



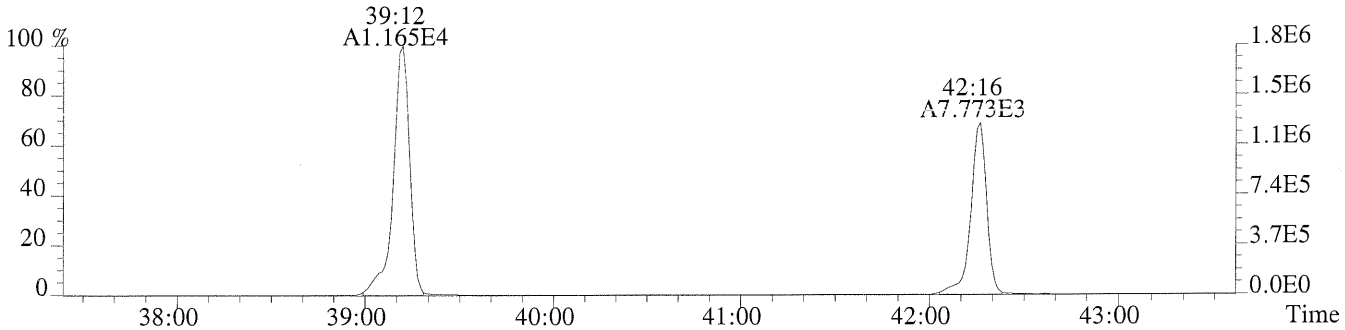
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



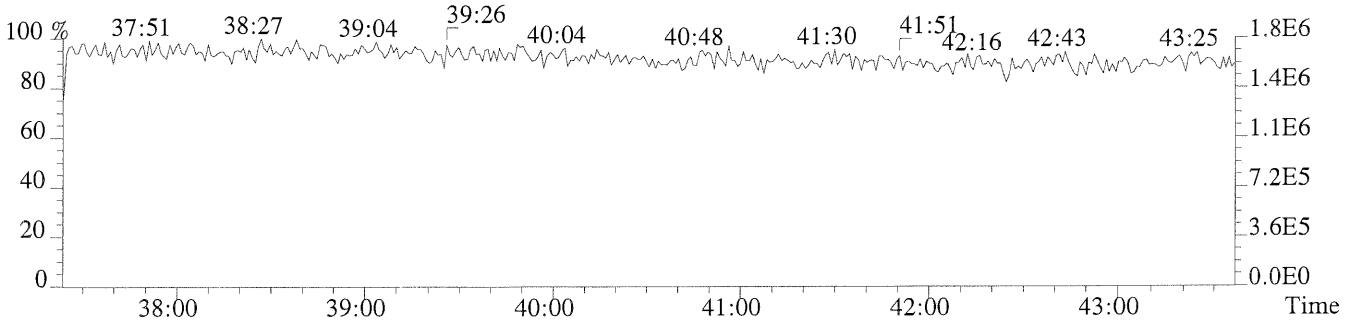
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1652.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,800.0,1.00%,F,T)

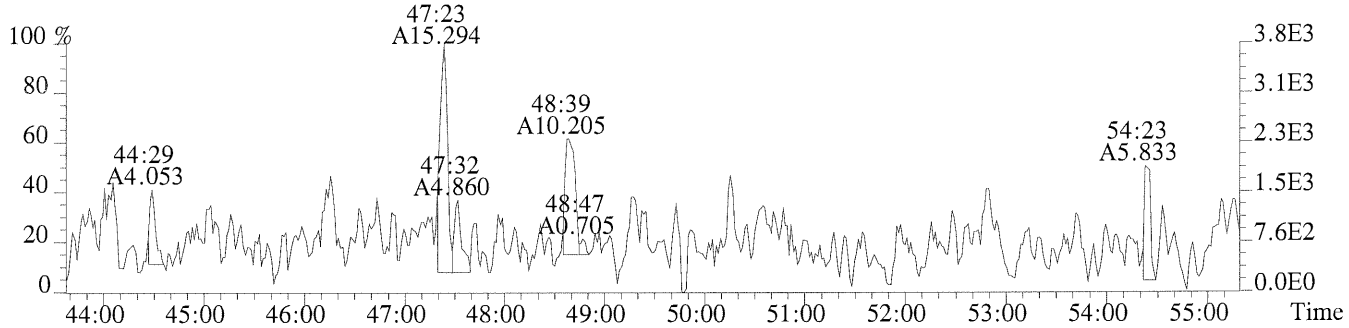


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

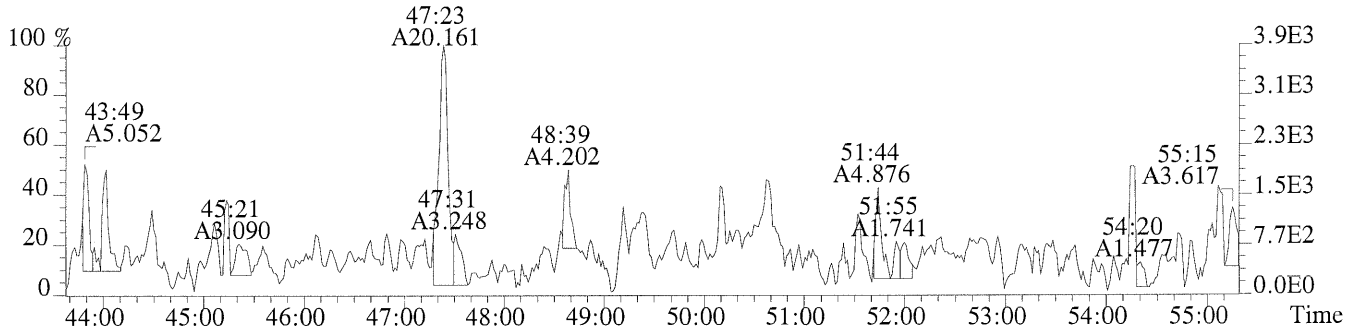


File:U142170 #1-579 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

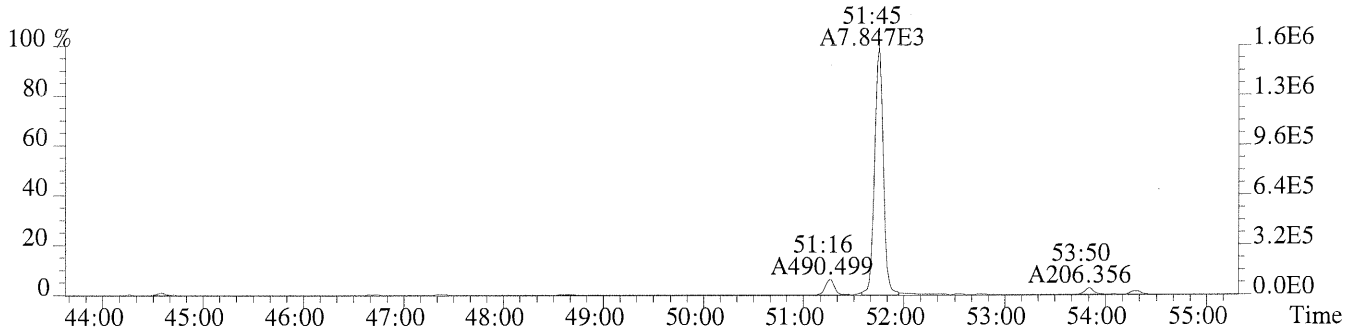
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



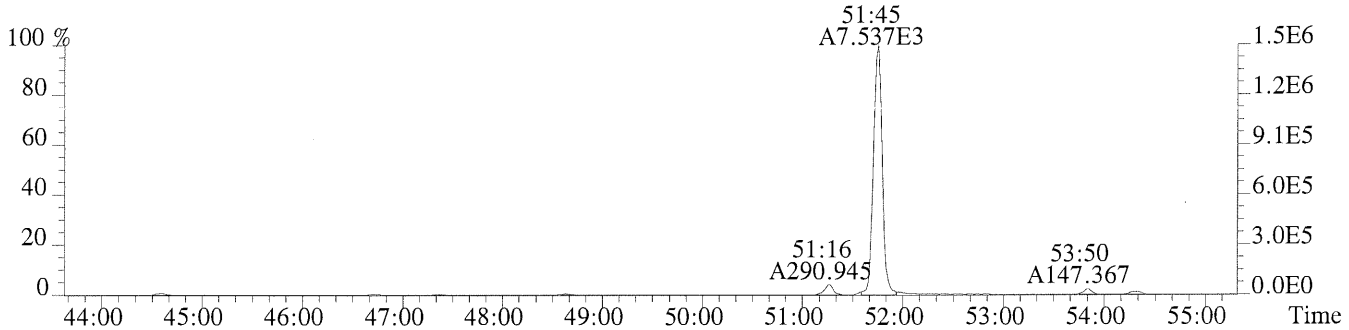
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,668.0,1.00%,F,T)



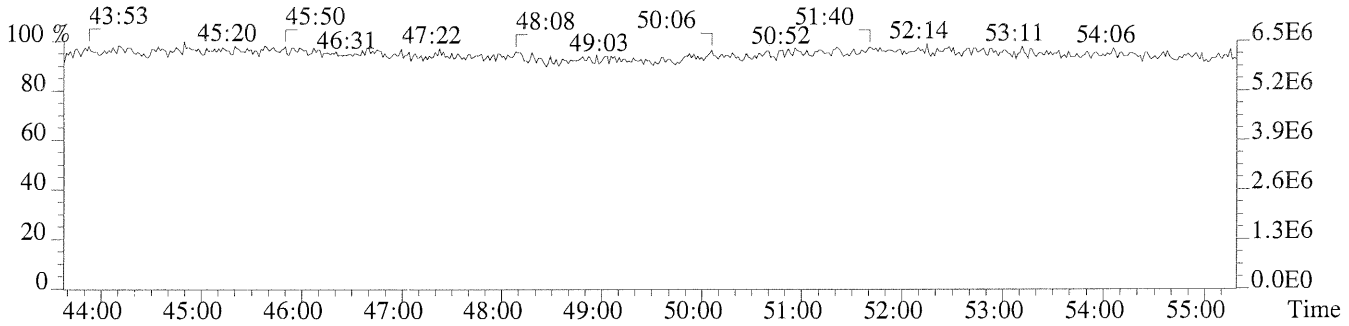
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



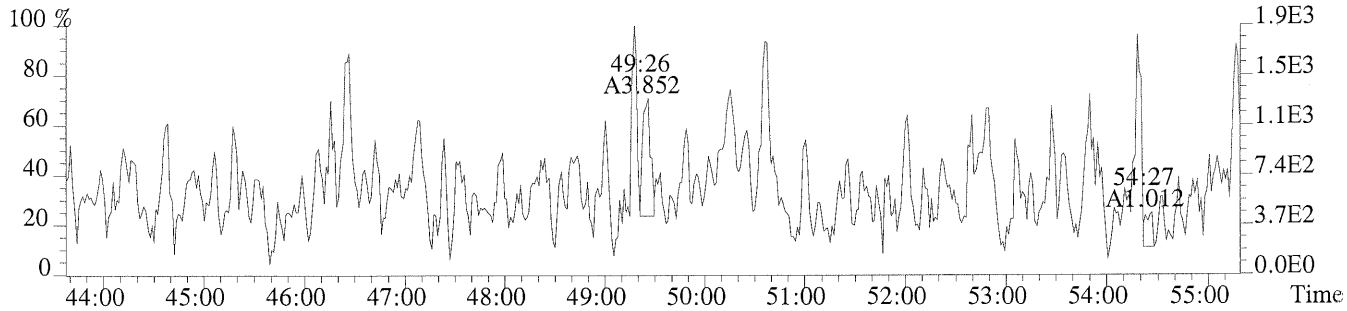
407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,992.0,1.00%,F,T)



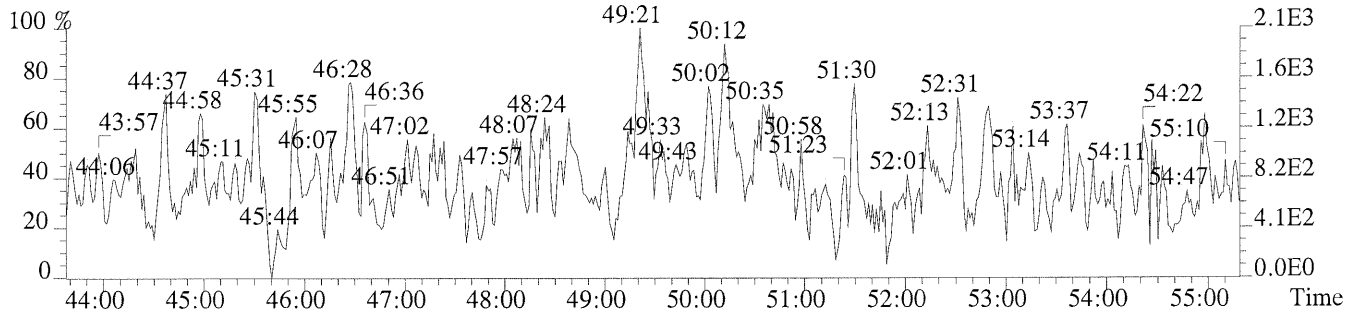
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



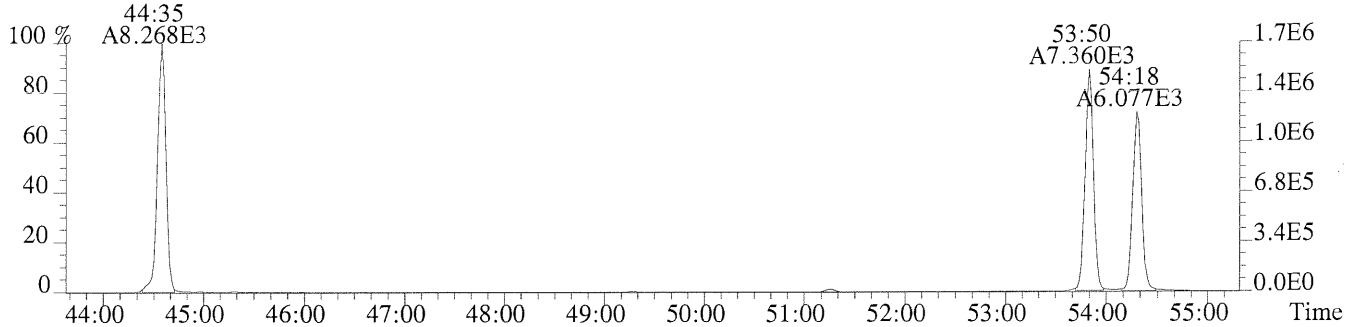
File:U142170 #1-579 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,764.0,1.00%,F,T)



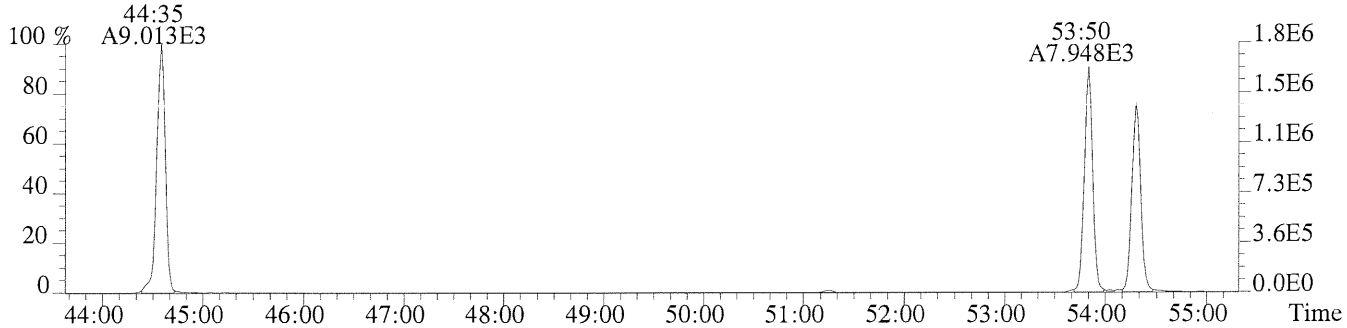
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)



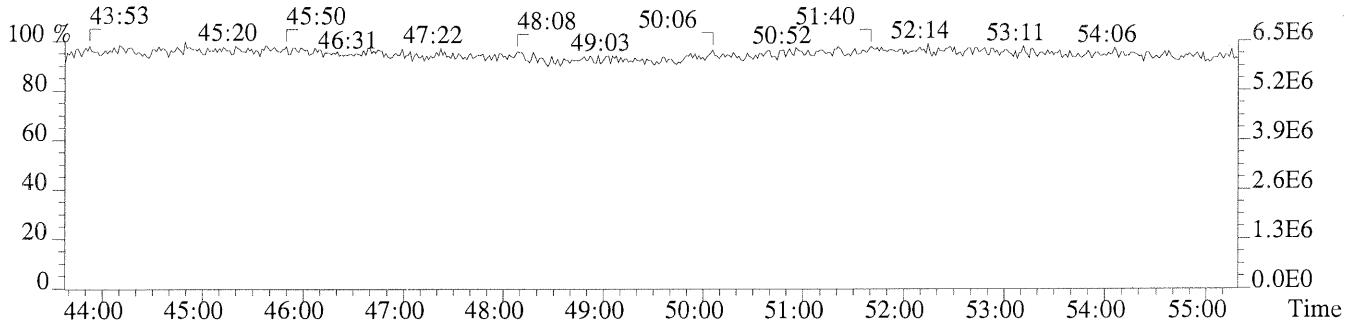
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1036.0,1.00%,F,T)

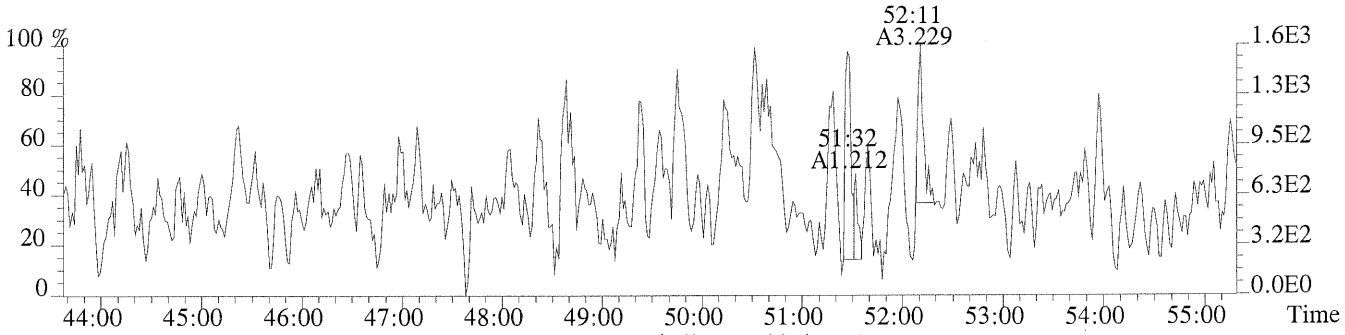


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

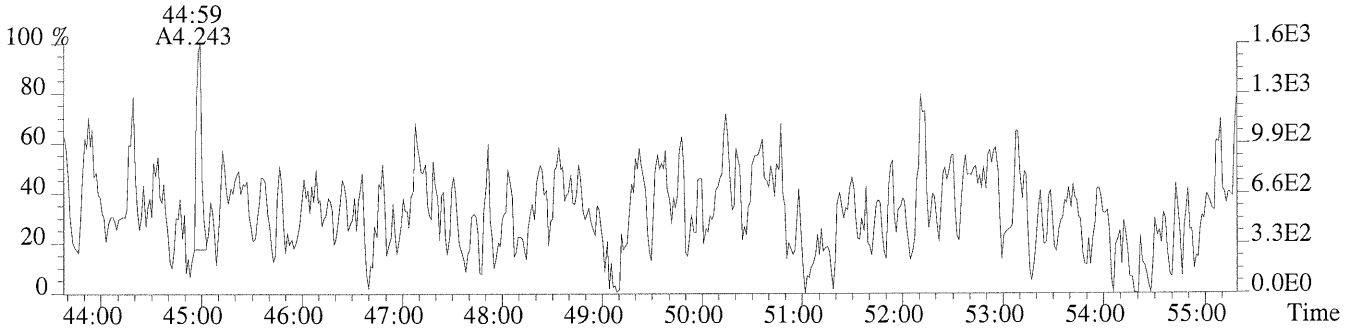


File:U142170 #1-579 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

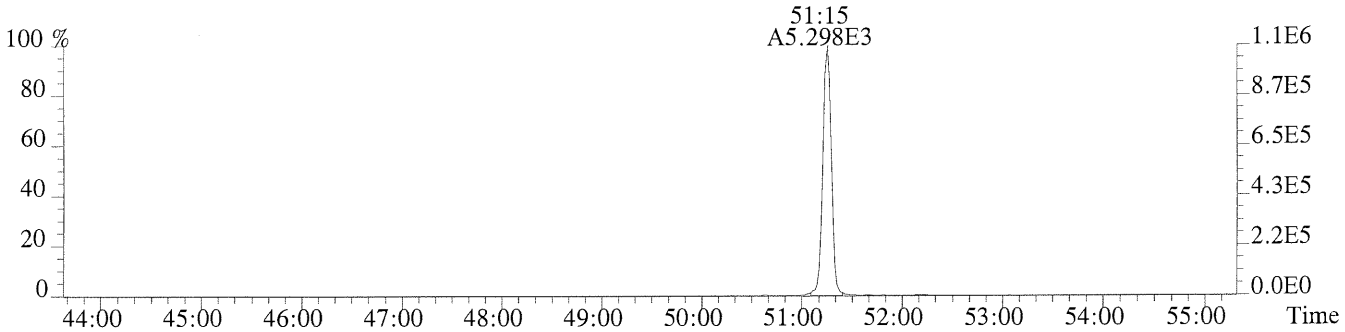
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,764.0,1.00%,F,T)



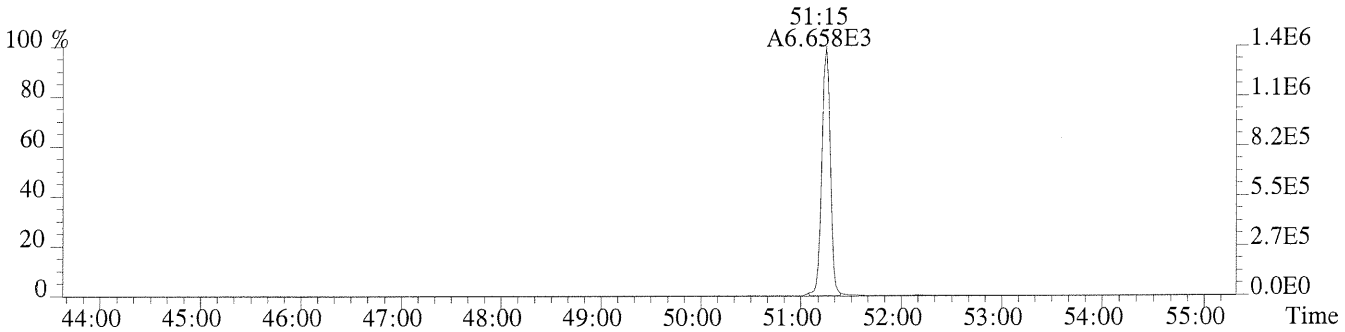
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,684.0,1.00%,F,T)



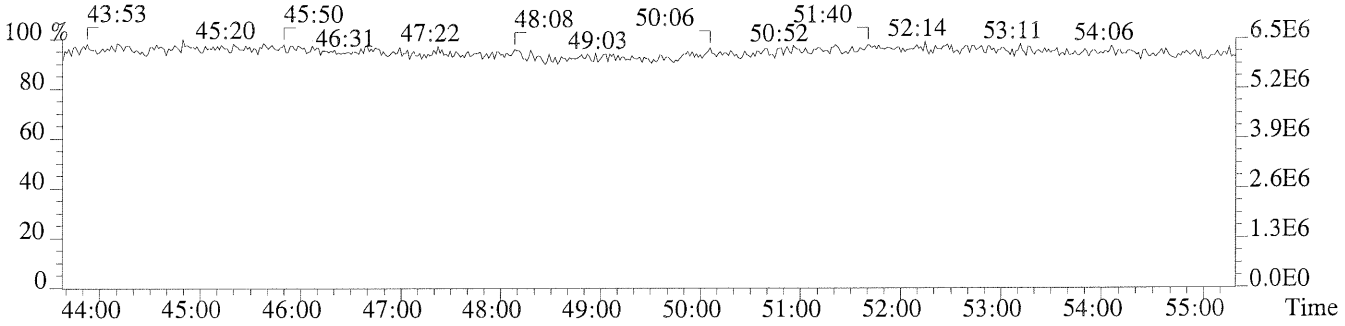
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,696.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)

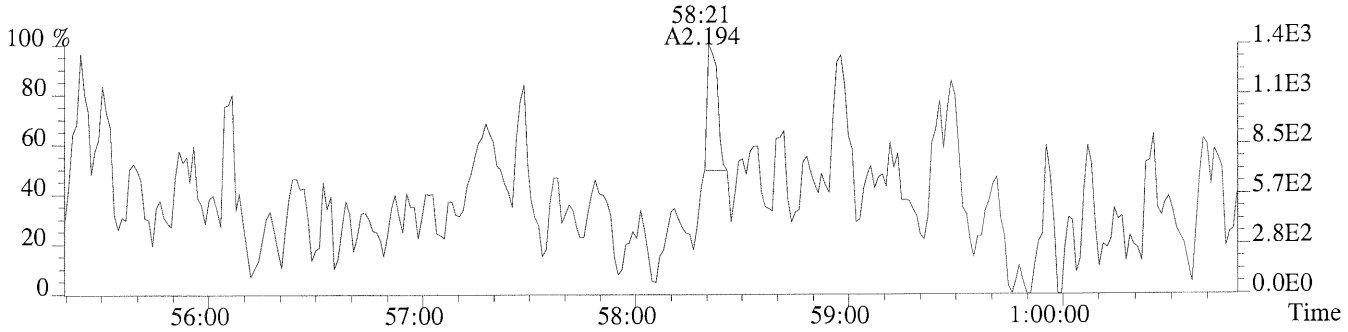


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

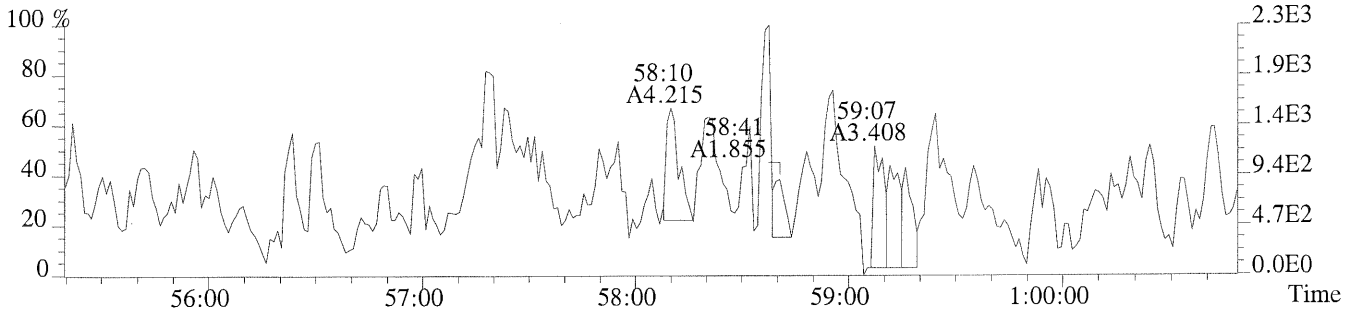


File:U142170 #1-310 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP

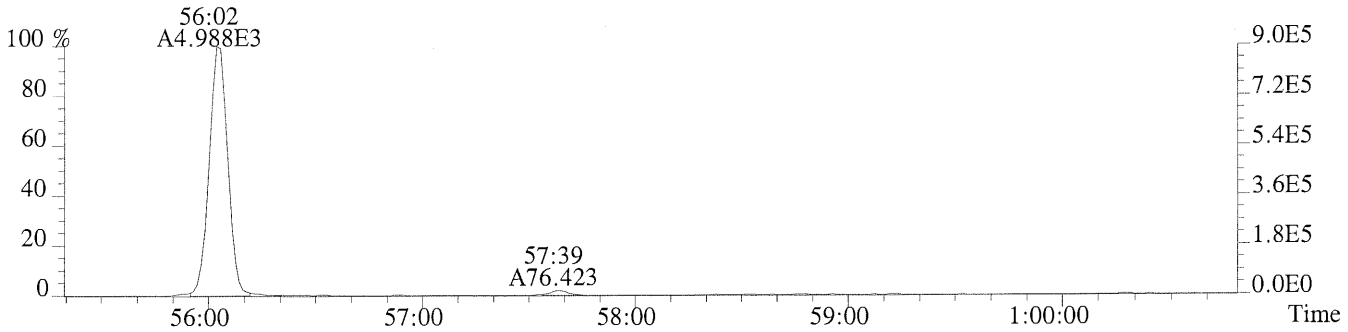
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,636.0,1.00%,F,T)



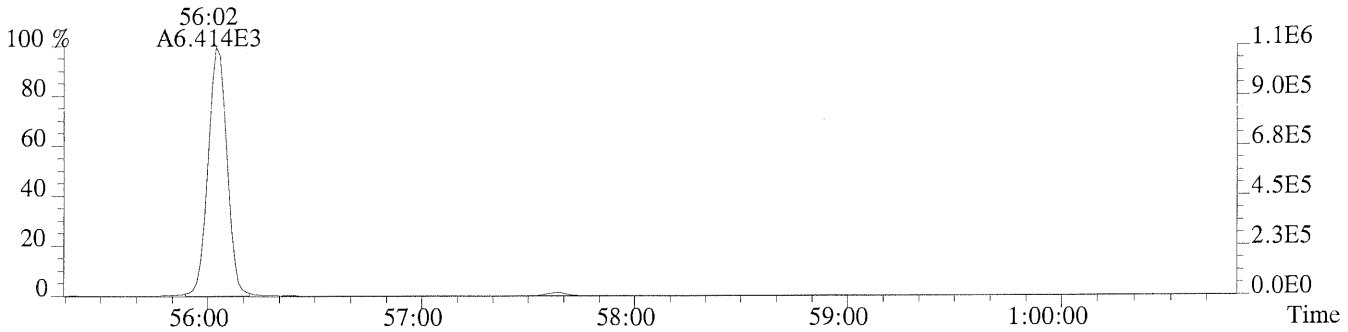
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,836.0,1.00%,F,T)



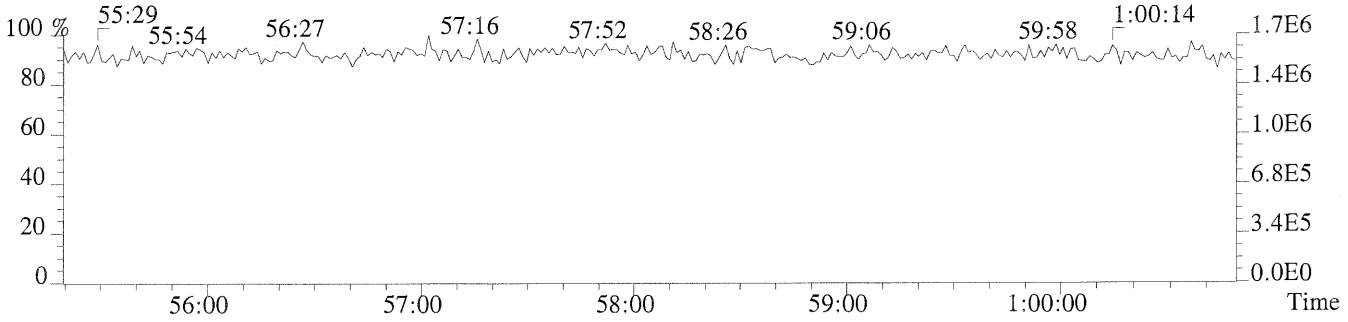
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



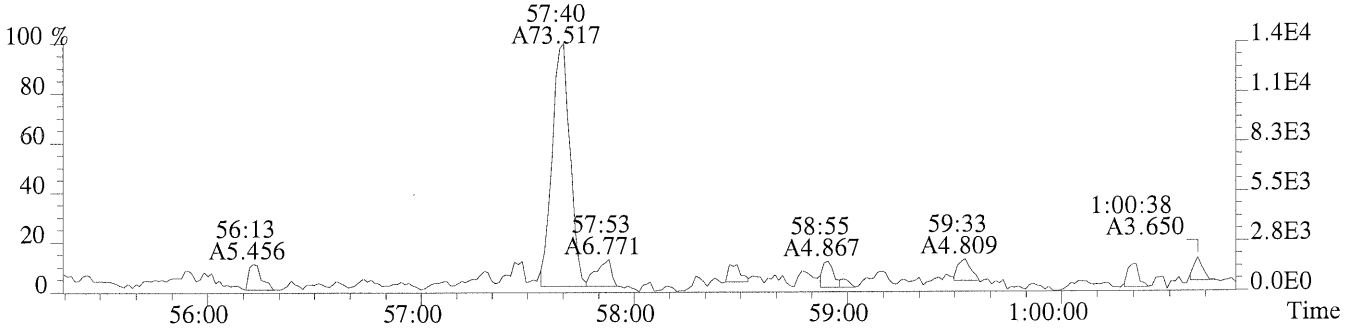
475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,504.0,1.00%,F,T)



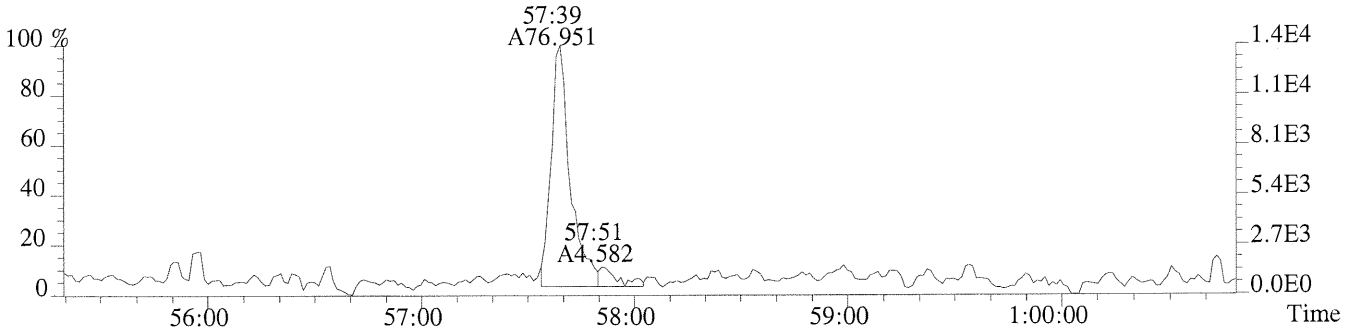
492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



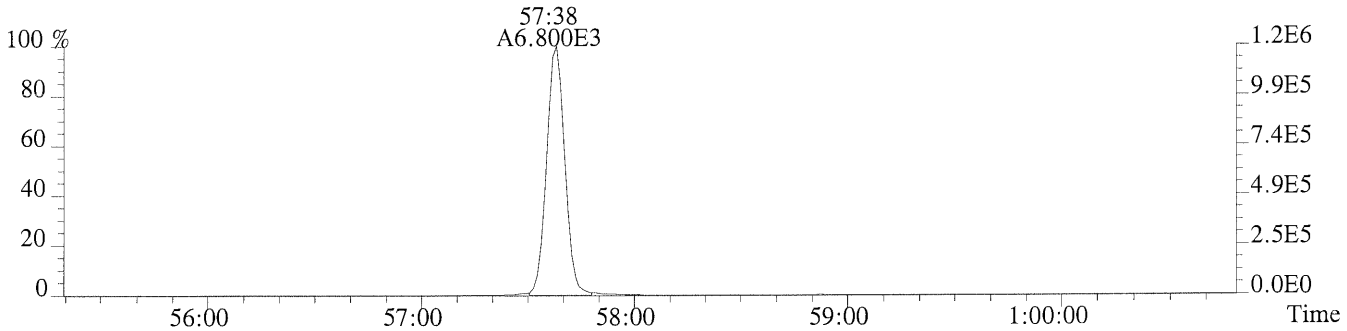
File:U142170 #1-310 Acq:23-NOV-2011 13:29:16 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:E1101076-008 DUP
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,620.0,1.00%,F,T)



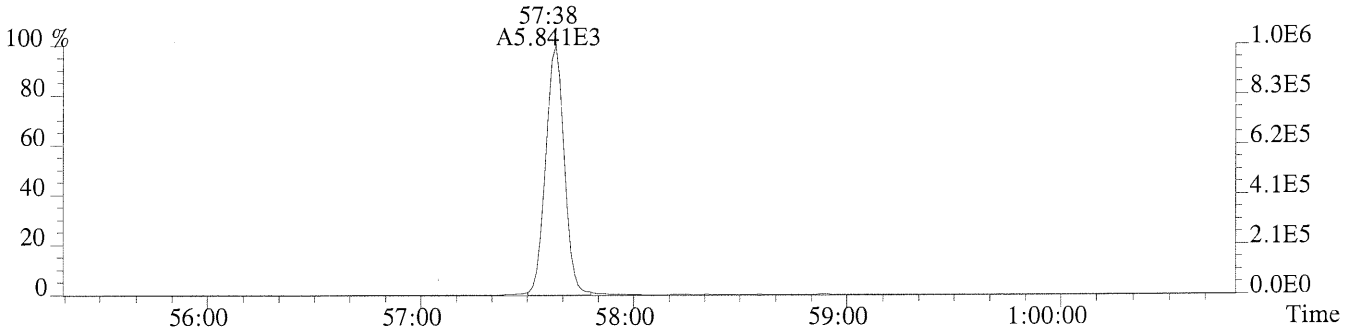
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)



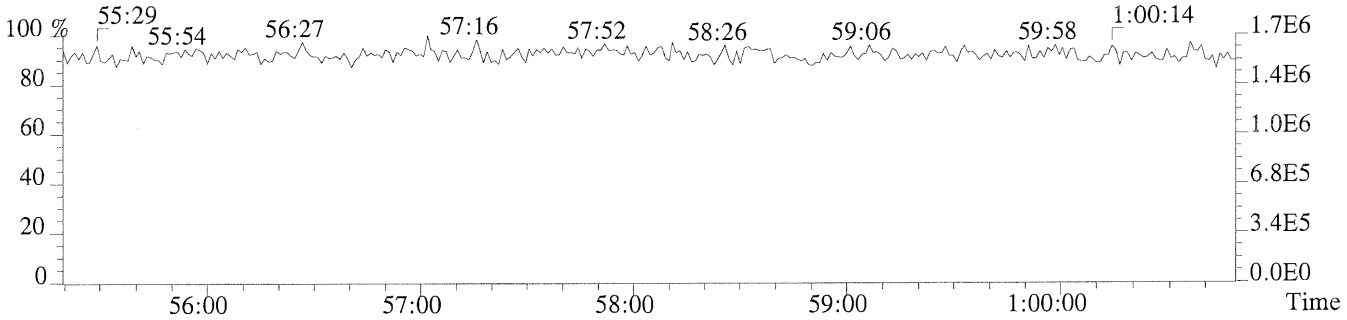
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,764.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,792.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
METHOD BLANK

Run #10 Filename U142175 Samp: 1 Inj: 1 Acquired: 26-NOV-11 08:00:15
Processed: 28-NOV-11 15:04:32 Sample ID: EQ1100541-01

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.0712
2	1	PCB-2	NotFnd	*	*	*	n	n	1.1278
3	1	PCB-3	NotFnd	*	*	*	n	n	1.0363
4	1	PCB-4	NotFnd	*	*	*	n	n	1.1136
5	1	PCB-10	NotFnd	*	*	*	n	n	1.8936
6	2	PCB-9	NotFnd	*	*	*	n	n	1.2719
7	2	PCB-7	NotFnd	*	*	*	n	n	1.2498
8	2	PCB-6	NotFnd	*	*	*	n	n	1.2594
9	2	PCB-5	NotFnd	*	*	*	n	n	1.1053
10	2	PCB-8	NotFnd	*	*	*	n	n	1.3217
11	2	PCB-14	NotFnd	*	*	*	n	n	1.2389
12	2	PCB-11	NotFnd	*	*	*	n	n	1.1881
13	2	PCB-12/13	NotFnd	*	*	*	n	n	1.1130
14	2	PCB-15	NotFnd	*	*	*	n	n	0.9770
15	2	PCB-19	NotFnd	*	*	*	n	n	1.0009
16	2	PCB-18/30	NotFnd	*	*	*	n	y	1.2822
17	2	PCB-17	NotFnd	*	*	*	n	n	1.0667
18	2	PCB-27	NotFnd	*	*	*	n	n	1.4503
19	2	PCB-24	NotFnd	*	*	*	n	n	1.3640
20	2	PCB-16	NotFnd	*	*	*	n	n	0.9238
21	2	PCB-32	NotFnd	*	*	*	n	n	1.5752
22	3	PCB-34	NotFnd	*	*	*	n	n	1.5177
23	3	PCB-23	NotFnd	*	*	*	n	n	1.4532
24	3	PCB-26/29	NotFnd	*	*	*	n	n	1.5370
25	3	PCB-25	NotFnd	*	*	*	n	n	1.6607
26	3	PCB-31	NotFnd	*	*	*	n	n	1.6132
27	3	PCB-20/28	NotFnd	*	*	*	n	n	1.4749
28	3	PCB-21/33	NotFnd	*	*	*	n	n	1.5285
29	3	PCB-22	NotFnd	*	*	*	n	n	1.4011
30	3	PCB-36	NotFnd	*	*	*	n	n	1.5570
31	3	PCB-39	NotFnd	*	*	*	n	n	1.5383
32	3	PCB-38	NotFnd	*	*	*	n	n	1.4787
33	3	PCB-35	NotFnd	*	*	*	n	n	1.5243
34	3	PCB-37	NotFnd	*	*	*	n	n	1.0883
35	2	PCB-54	NotFnd	*	*	*	n	n	1.0020
36	3	PCB-50/53	NotFnd	*	*	*	n	n	1.1807
37	3	PCB-45/51	NotFnd	*	*	*	n	n	1.1396
38	3	PCB-46	NotFnd	*	*	*	n	n	0.9720
39	3	PCB-52	26:51	6.700e+01	8.708e+01	0.77	y	y	1.2656
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.2509
41	3	PCB-49/69	NotFnd	*	*	*	n	n	1.3703
42	3	PCB-48	NotFnd	*	*	*	n	n	1.1640
43	3	PCB-44/47/65	27:52	5.211e+01	5.670e+01	0.92	n	y	1.2777
44	3	PCB-59/62/75	NotFnd	*	*	*	n	n	1.5103
45	3	PCB-42	NotFnd	*	*	*	n	n	1.1228
46	3	PCB-40/41/71	NotFnd	*	*	*	n	n	1.1504
47	3	PCB-64	NotFnd	*	*	*	n	n	1.6007
48	3	PCB-72	NotFnd	*	*	*	n	n	1.6439
49	3	PCB-68	NotFnd	*	*	*	n	n	1.6068
50	3	PCB-57	NotFnd	*	*	*	n	n	1.5391

51	3	PCB-58	NotFnd	*	*	*	n	n	1.4563
52	3	PCB-67	NotFnd	*	*	*	n	n	1.5762
53	3	PCB-63	NotFnd	*	*	*	n	n	1.5524
54	3	PCB-61/70/74/76	31:41	4.365e+01	7.648e+01	0.57	n	y	1.4771
55	3	PCB-66	NotFnd	*	*	*	n	y	1.5679
56	3	PCB-55	NotFnd	*	*	*	n	n	1.3852
57	4	PCB-56	NotFnd	*	*	*	n	n	1.2639
58	4	PCB-60	NotFnd	*	*	*	n	n	1.2871
59	4	PCB-80	NotFnd	*	*	*	n	n	1.4451
60	4	PCB-79	NotFnd	*	*	*	n	n	1.4821
61	4	PCB-78	NotFnd	*	*	*	n	n	1.3482
62	4	PCB-81	NotFnd	*	*	*	n	n	1.0336
63	4	PCB-77	NotFnd	*	*	*	n	n	0.9953
64	3	PCB-104	NotFnd	*	*	*	n	n	1.0300
65	3	PCB-96	NotFnd	*	*	*	n	n	1.3500
66	3	PCB-103	NotFnd	*	*	*	n	n	1.1688
67	3	PCB-94	NotFnd	*	*	*	n	n	0.9389
68	3	PCB-95	30:48	6.477e+01	4.309e+01	1.50	y	n	1.0719
69	3	PCB-93/100	NotFnd	*	*	*	n	n	1.0281
70	3	PCB-98/102	NotFnd	*	*	*	n	n	1.0025
71	3	PCB-88/91	NotFnd	*	*	*	n	n	1.0193
72	3	PCB-84	NotFnd	*	*	*	n	n	0.8982
73	3	PCB-89	NotFnd	*	*	*	n	n	0.9437
74	4	PCB-121	NotFnd	*	*	*	n	n	1.4039
75	4	PCB-92	33:12	8.231e+01	4.601e+01	1.79	n	n	1.1066
76	4	PCB-90/101/113	33:45	2.084e+02	9.746e+01	2.14	n	n	1.2102
77	4	PCB-83/99	NotFnd	*	*	*	n	n	1.1125
78	4	PCB-112	NotFnd	*	*	*	n	n	1.4080
79	4	PCB-86/87/97/109/119/125	34:57	1.156e+02	1.080e+02	1.07	n	y	1.2590
80	4	PCB-117	NotFnd	*	*	*	n	n	1.2134
81	4	PCB-85/116	NotFnd	*	*	*	n	n	1.2771
82	4	PCB-110/115	35:44	1.565e+02	9.354e+01	1.67	y	n	1.3900
83	4	PCB-82	NotFnd	*	*	*	n	n	0.9494
84	4	PCB-111	NotFnd	*	*	*	n	n	1.4050
85	4	PCB-120	NotFnd	*	*	*	n	n	1.5358
86	5	PCB-108/124	NotFnd	*	*	*	n	n	1.1157
87	5	PCB-107	NotFnd	*	*	*	n	n	1.1113
88	5	PCB-123	NotFnd	*	*	*	n	n	1.0180
89	5	PCB-106	NotFnd	*	*	*	n	n	1.1570
90	5	PCB-118	38:46	8.015e+01	5.876e+01	1.36	y	y	0.9968
91	5	PCB-122	NotFnd	*	*	*	n	n	1.1029
92	5	PCB-114	NotFnd	*	*	*	n	n	0.9914
93	5	PCB-105	NotFnd	*	*	*	n	y	1.0109
94	5	PCB-127	NotFnd	*	*	*	n	n	1.0699
95	5	PCB-126	NotFnd	*	*	*	n	n	0.9601
96	4	PCB-155	NotFnd	*	*	*	n	n	0.9884
97	4	PCB-152	NotFnd	*	*	*	n	n	2.0145
98	4	PCB-150	NotFnd	*	*	*	n	n	1.9620
99	4	PCB-136	NotFnd	*	*	*	n	n	1.9723
100	4	PCB-145	NotFnd	*	*	*	n	n	1.8169
101	4	PCB-148	NotFnd	*	*	*	n	y	1.4787
102	4	PCB-135/151	NotFnd	*	*	*	n	n	1.4406
103	4	PCB-154	NotFnd	*	*	*	n	n	1.6133
104	4	PCB-144	NotFnd	*	*	*	n	n	1.4817
105	5	PCB-147/149	37:35	4.407e+01	3.327e+01	1.32	y	y	1.3070
106	5	PCB-134	NotFnd	*	*	*	n	n	1.1658
107	5	PCB-143	37:56	7.691e+01	5.868e+01	1.31	y	y	1.2342

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.2950
109	5	PCB-131	NotFnd	*	*	*	n	n	1.1524
110	5	PCB-142	NotFnd	*	*	*	n	n	1.1863
111	5	PCB-132	NotFnd	*	*	*	n	n	1.1934
112	5	PCB-133	NotFnd	*	*	*	n	n	1.2851
113	5	PCB-165	NotFnd	*	*	*	n	n	1.5060
114	5	PCB-146	NotFnd	*	*	*	n	n	1.2981
115	5	PCB-161	NotFnd	*	*	*	n	n	1.7477
116	5	PCB-153/168	40:36	6.148e+01	5.191e+01	1.18	y	y	1.5731
117	5	PCB-141	NotFnd	*	*	*	n	n	1.1979
118	5	PCB-130	NotFnd	*	*	*	n	n	1.1161
119	5	PCB-137	NotFnd	*	*	*	n	n	1.1559
120	5	PCB-164	NotFnd	*	*	*	n	n	1.5387
121	5	PCB-129/138/163	41:53	6.917e+01	3.770e+01	1.83	n	y	1.3000
122	5	PCB-160	NotFnd	*	*	*	n	n	1.4658
123	5	PCB-158	NotFnd	*	*	*	n	n	1.6456
124	5	PCB-128/166	NotFnd	*	*	*	n	y	1.3073
125	6	PCB-159	NotFnd	*	*	*	n	n	1.0689
126	6	PCB-162	NotFnd	*	*	*	n	n	1.0380
127	6	PCB-167	NotFnd	*	*	*	n	n	1.0081
128	6	PCB-156/157	NotFnd	*	*	*	n	n	1.0060
129	6	PCB-169	NotFnd	*	*	*	n	n	0.9915
130	5	PCB-188	NotFnd	*	*	*	n	n	0.9902
131	5	PCB-179	NotFnd	*	*	*	n	n	1.4735
132	5	PCB-184	NotFnd	*	*	*	n	n	1.4788
133	5	PCB-176	NotFnd	*	*	*	n	n	1.4697
134	5	PCB-186	NotFnd	*	*	*	n	y	1.3600
135	5	PCB-178	NotFnd	*	*	*	n	n	1.0423
136	5	PCB-175	NotFnd	*	*	*	n	n	0.4178
137	5	PCB-187	NotFnd	*	*	*	n	y	1.0581
138	5	PCB-182	NotFnd	*	*	*	n	n	0.9448
139	6	PCB-183	NotFnd	*	*	*	n	n	0.9280
140	6	PCB-185	NotFnd	*	*	*	n	n	0.6153
141	6	PCB-174	NotFnd	*	*	*	n	n	0.7137
142	6	PCB-177	NotFnd	*	*	*	n	n	0.7028
143	6	PCB-181	NotFnd	*	*	*	n	n	0.7260
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.6714
145	6	PCB-172	NotFnd	*	*	*	n	n	0.6812
146	6	PCB-192	NotFnd	*	*	*	n	n	0.8223
147	6	PCB-180/193	NotFnd	*	*	*	n	n	0.8087
148	6	PCB-191	NotFnd	*	*	*	n	n	0.8968
149	6	PCB-170	NotFnd	*	*	*	n	n	0.6512
150	6	PCB-190	NotFnd	*	*	*	n	n	0.8678
151	6	PCB-189	NotFnd	*	*	*	n	n	0.8632
152	6	PCB-202	NotFnd	*	*	*	n	n	0.8634
153	6	PCB-201	NotFnd	*	*	*	n	n	1.3590
154	6	PCB-204	NotFnd	*	*	*	n	n	1.3375
155	6	PCB-197	NotFnd	*	*	*	n	n	1.2792
156	6	PCB-200	NotFnd	*	*	*	n	n	1.3676
157	6	PCB-198/199	NotFnd	*	*	*	n	n	0.8885
158	6	PCB-196	NotFnd	*	*	*	n	n	0.9406
159	6	PCB-203	NotFnd	*	*	*	n	n	0.9638
160	6	PCB-195	NotFnd	*	*	*	n	n	0.8081
161	6	PCB-194	NotFnd	*	*	*	n	n	0.8508
162	6	PCB-205	NotFnd	*	*	*	n	n	0.8885
163	6	PCB-208	NotFnd	*	*	*	n	n	0.8804
164	6	PCB-207	NotFnd	*	*	*	n	n	1.3467

165	7	PCB-206	NotFnd	*	*	*	n	n	0.9310
166	7	PCB-209	57:41	1.477e+02	1.374e+02	1.08	y	n	0.8938
167	1	PCB-1L	13:19	7.697e+03	2.518e+03	3.06	y	n	1.2197
168	1	PCB-3L	15:36	9.380e+03	2.956e+03	3.17	y	n	1.1732
169	1	PCB-4L	15:50	5.695e+03	3.649e+03	1.56	y	n	0.8031
170	2	PCB-15L	21:55	8.575e+03	5.677e+03	1.51	y	n	0.9620
171	2	PCB-19L	19:02	4.581e+03	4.361e+03	1.05	y	n	0.6361
172	3	PCB-37L	29:03	8.127e+03	7.279e+03	1.12	y	n	1.1440
173	2	PCB-54L	22:11	4.277e+03	4.987e+03	0.86	y	n	1.1399
174	4	PCB-81L	35:51	6.481e+03	8.100e+03	0.80	y	n	0.9468
175	4	PCB-77L	36:25	6.714e+03	8.408e+03	0.80	y	n	0.9489
176	3	PCB-104L	27:46	8.515e+03	5.119e+03	1.66	y	n	1.3966
177	5	PCB-123L	38:24	8.319e+03	5.422e+03	1.53	y	n	1.0295
178	5	PCB-118L	38:44	8.584e+03	5.427e+03	1.58	y	n	1.0766
179	5	PCB-114L	39:16	8.193e+03	5.134e+03	1.60	y	n	1.0747
180	5	PCB-105L	39:55	7.929e+03	5.048e+03	1.57	y	n	1.0133
181	5	PCB-126L	43:01	7.371e+03	4.650e+03	1.59	y	n	0.8978
182	4	PCB-155L	33:29	1.031e+04	8.066e+03	1.28	y	n	1.6371
183	6	PCB-167L	44:52	4.912e+03	4.154e+03	1.18	y	n	0.8820
184	6	PCB-156/157L	46:02	9.711e+03	7.823e+03	1.24	y	n	0.8178
185	6	PCB-169L	49:17	4.656e+03	3.677e+03	1.27	y	n	0.7164
186	5	PCB-188L	39:14	8.263e+03	7.639e+03	1.08	y	n	2.3576
187	6	PCB-189L	51:48	4.972e+03	4.665e+03	1.07	y	n	1.3072
188	6	PCB-202L	44:37	5.710e+03	6.281e+03	0.91	y	n	1.8043
189	6	PCB-205L	54:22	4.345e+03	4.833e+03	0.90	y	n	1.3631
190	6	PCB-208L	51:17	4.226e+03	5.246e+03	0.81	y	n	1.3370
191	7	PCB-206L	56:04	3.100e+03	3.916e+03	0.79	y	n	0.9978
192	7	PCB-209L	57:39	4.476e+03	3.813e+03	1.17	y	n	1.5625
193	3	PCB-28L	24:58	9.543e+03	9.192e+03	1.04	y	n	1.3869
194	4	PCB-111L	36:27	1.156e+04	7.530e+03	1.54	y	n	1.2384
195	5	PCB-178L	42:17	5.690e+03	5.483e+03	1.04	y	n	0.9527
196	2	PCB-9L	17:54	3.640e+04	2.326e+04	1.56	y	n	-
197	3	PCB-52L	26:49	2.411e+04	3.102e+04	0.78	y	n	-
198	4	PCB-101L	33:44	3.395e+04	2.148e+04	1.58	y	n	-
199	5	PCB-138L	41:51	1.732e+04	1.370e+04	1.26	y	n	-
200	6	PCB-194L	53:53	1.293e+04	1.401e+04	0.92	y	n	-

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
METHOD BLANK

Run #10 Filename U142175#1 Samp: 1 Inj: 1 Acquired: 26-NOV-11 08:00:15

Processed: 28-NOV-11 15:04:32 LAB. ID: EQ1100541-01

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.20e+03	*	*	8.32e+02	*
2	PCB-2	*	1.20e+03	*	*	8.32e+02	*
3	PCB-3	*	1.20e+03	*	*	8.32e+02	*
4	PCB-4	*	2.09e+03	*	*	2.51e+04	*
5	PCB-10	*	2.09e+03	*	*	2.51e+04	*
6	PCB-9	*	2.00e+03	*	*	3.96e+04	*
7	PCB-7	*	2.00e+03	*	*	3.96e+04	*
8	PCB-6	*	2.00e+03	*	*	3.96e+04	*
9	PCB-5	*	2.00e+03	*	*	3.96e+04	*
10	PCB-8	*	2.00e+03	*	*	3.96e+04	*
11	PCB-14	*	2.00e+03	*	*	3.96e+04	*
12	PCB-11	*	2.00e+03	*	*	3.96e+04	*
13	PCB-12/13	*	2.00e+03	*	*	3.96e+04	*
14	PCB-15	*	2.00e+03	*	*	3.96e+04	*
15	PCB-19	*	1.18e+03	*	*	1.44e+03	*
16	PCB-18/30	*	1.18e+03	*	*	1.44e+03	*
17	PCB-17	*	1.18e+03	*	*	1.44e+03	*
18	PCB-27	*	1.18e+03	*	*	1.44e+03	*
19	PCB-24	*	1.18e+03	*	*	1.44e+03	*
20	PCB-16	*	1.18e+03	*	*	1.44e+03	*
21	PCB-32	*	1.18e+03	*	*	1.44e+03	*
22	PCB-34	*	2.38e+03	*	*	2.23e+03	*
23	PCB-23	*	2.38e+03	*	*	2.23e+03	*
24	PCB-26/29	*	2.38e+03	*	*	2.23e+03	*
25	PCB-25	*	2.38e+03	*	*	2.23e+03	*
26	PCB-31	*	2.38e+03	*	*	2.23e+03	*
27	PCB-20/28	*	2.38e+03	*	*	2.23e+03	*
28	PCB-21/33	*	2.38e+03	*	*	2.23e+03	*
29	PCB-22	*	2.38e+03	*	*	2.23e+03	*
30	PCB-36	*	2.38e+03	*	*	2.23e+03	*
31	PCB-39	*	2.38e+03	*	*	2.23e+03	*
32	PCB-38	*	2.38e+03	*	*	2.23e+03	*
33	PCB-35	*	2.38e+03	*	*	2.23e+03	*
34	PCB-37	*	2.38e+03	*	*	2.23e+03	*
35	PCB-54	*	1.40e+03	*	*	1.44e+03	*
36	PCB-50/53	*	1.26e+03	*	*	9.44e+02	*
37	PCB-45/51	*	1.26e+03	*	*	9.44e+02	*
38	PCB-46	*	1.26e+03	*	*	9.44e+02	*
39	PCB-52	8.15e+03	1.26e+03	6.5e+00	1.16e+04	9.44e+02	1.2e+01
40	PCB-43/73	*	1.26e+03	*	*	9.44e+02	*
41	PCB-49/69	*	1.26e+03	*	*	9.44e+02	*
42	PCB-48	*	1.26e+03	*	*	9.44e+02	*
43	PCB-44/47/65	6.05e+03	1.26e+03	4.8e+00	7.21e+03	9.44e+02	7.6e+00
44	PCB-59/62/75	*	1.26e+03	*	*	9.44e+02	*
45	PCB-42	*	1.26e+03	*	*	9.44e+02	*
46	PCB-40/41/71	*	1.26e+03	*	*	9.44e+02	*
47	PCB-64	*	1.26e+03	*	*	9.44e+02	*

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48	PCB-72	*	1.26e+03	*	*	9.44e+02	*
49	PCB-68	*	1.26e+03	*	*	9.44e+02	*
50	PCB-57	*	1.26e+03	*	*	9.44e+02	*
51	PCB-58	*	1.26e+03	*	*	9.44e+02	*
52	PCB-67	*	1.26e+03	*	*	9.44e+02	*
53	PCB-63	*	1.26e+03	*	*	9.44e+02	*
54	PCB-61/70/74/76	6.33e+03	1.26e+03	5.0e+00	9.04e+03	9.44e+02	9.6e+00
55	PCB-66	*	1.26e+03	*	*	9.44e+02	*
56	PCB-55	*	1.26e+03	*	*	9.44e+02	*
57	PCB-56	*	7.16e+02	*	*	1.20e+03	*
58	PCB-60	*	7.16e+02	*	*	1.20e+03	*
59	PCB-80	*	7.16e+02	*	*	1.20e+03	*
60	PCB-79	*	7.16e+02	*	*	1.20e+03	*
61	PCB-78	*	7.16e+02	*	*	1.20e+03	*
62	PCB-81	*	7.16e+02	*	*	1.20e+03	*
63	PCB-77	*	7.16e+02	*	*	1.20e+03	*
64	PCB-104	*	2.72e+03	*	*	1.81e+03	*
65	PCB-96	*	2.72e+03	*	*	1.81e+03	*
66	PCB-103	*	2.72e+03	*	*	1.81e+03	*
67	PCB-94	*	2.72e+03	*	*	1.81e+03	*
68	PCB-95	1.32e+04	2.72e+03	4.9e+00	9.32e+03	1.81e+03	5.2e+00
69	PCB-93/100	*	2.72e+03	*	*	1.81e+03	*
70	PCB-98/102	*	2.72e+03	*	*	1.81e+03	*
71	PCB-88/91	*	2.72e+03	*	*	1.81e+03	*
72	PCB-84	*	2.72e+03	*	*	1.81e+03	*
73	PCB-89	*	2.72e+03	*	*	1.81e+03	*
74	PCB-121	*	1.94e+03	*	*	1.41e+03	*
75	PCB-92	1.00e+04	1.94e+03	5.2e+00	6.48e+03	1.41e+03	4.6e+00
76	PCB-90/101/113	2.32e+04	1.94e+03	1.2e+01	1.31e+04	1.41e+03	9.3e+00
77	PCB-83/99	*	1.94e+03	*	*	1.41e+03	*
78	PCB-112	*	1.94e+03	*	*	1.41e+03	*
79	CB-86/87/97/109/119/125	1.09e+04	1.94e+03	5.6e+00	6.94e+03	1.41e+03	4.9e+00
80	PCB-117	*	1.94e+03	*	*	1.41e+03	*
81	PCB-85/116	*	1.94e+03	*	*	1.41e+03	*
82	PCB-110/115	2.23e+04	1.94e+03	1.1e+01	1.71e+04	1.41e+03	1.2e+01
83	PCB-82	*	1.94e+03	*	*	1.41e+03	*
84	PCB-111	*	1.94e+03	*	*	1.41e+03	*
85	PCB-120	*	1.94e+03	*	*	1.41e+03	*
86	PCB-108/124	*	1.17e+03	*	*	1.28e+03	*
87	PCB-107	*	1.17e+03	*	*	1.28e+03	*
88	PCB-123	*	1.17e+03	*	*	1.28e+03	*
89	PCB-106	*	1.17e+03	*	*	1.28e+03	*
90	PCB-118	1.34e+04	1.17e+03	1.1e+01	8.65e+03	1.28e+03	6.8e+00
91	PCB-122	*	1.17e+03	*	*	1.28e+03	*
92	PCB-114	*	1.17e+03	*	*	1.28e+03	*
93	PCB-105	*	1.17e+03	*	*	1.28e+03	*
94	PCB-127	*	1.17e+03	*	*	1.28e+03	*
95	PCB-126	*	1.17e+03	*	*	1.28e+03	*
96	PCB-155	*	1.48e+03	*	*	9.68e+02	*
97	PCB-152	*	1.48e+03	*	*	9.68e+02	*
98	PCB-150	*	1.48e+03	*	*	9.68e+02	*
99	PCB-136	*	1.48e+03	*	*	9.68e+02	*
100	PCB-145	*	1.48e+03	*	*	9.68e+02	*
101	PCB-148	*	1.48e+03	*	*	9.68e+02	*
102	PCB-135/151	*	1.48e+03	*	*	9.68e+02	*
103	PCB-154	*	1.48e+03	*	*	9.68e+02	*
104	PCB-144	*	1.48e+03	*	*	9.68e+02	*

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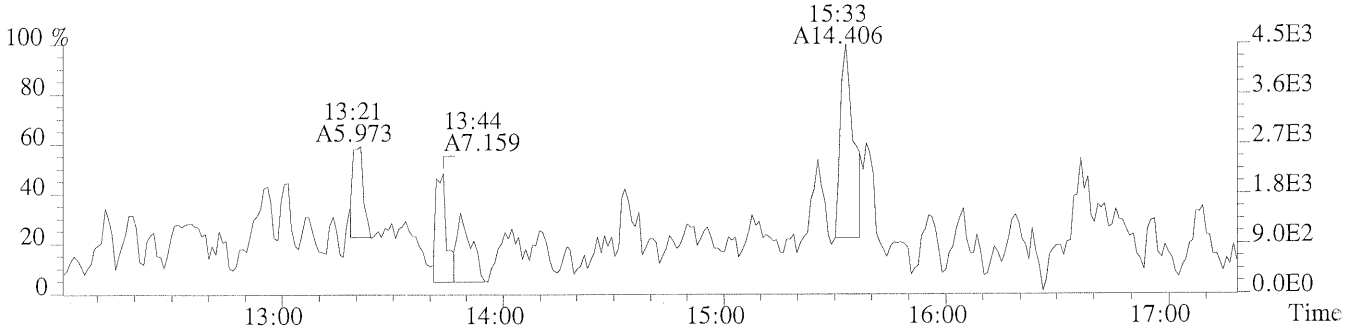
105	PCB-147/149	8.60e+03	1.49e+03	5.8e+00	7.13e+03	1.92e+03	3.7e+00
106	PCB-134	*	1.49e+03	*	*	1.92e+03	*
107	PCB-143	9.48e+03	1.49e+03	6.4e+00	8.71e+03	1.92e+03	4.5e+00
108	PCB-139/140	*	1.49e+03	*	*	1.92e+03	*
109	PCB-131	*	1.49e+03	*	*	1.92e+03	*
110	PCB-142	*	1.49e+03	*	*	1.92e+03	*
111	PCB-132	*	1.49e+03	*	*	1.92e+03	*
112	PCB-133	*	1.49e+03	*	*	1.92e+03	*
113	PCB-165	*	1.49e+03	*	*	1.92e+03	*
114	PCB-146	*	1.49e+03	*	*	1.92e+03	*
115	PCB-161	*	1.49e+03	*	*	1.92e+03	*
116	PCB-153/168	1.12e+04	1.49e+03	7.6e+00	1.10e+04	1.92e+03	5.7e+00
117	PCB-141	*	1.49e+03	*	*	1.92e+03	*
118	PCB-130	*	1.49e+03	*	*	1.92e+03	*
119	PCB-137	*	1.49e+03	*	*	1.92e+03	*
120	PCB-164	*	1.49e+03	*	*	1.92e+03	*
121	PCB-129/138/163	1.10e+04	1.49e+03	7.4e+00	6.69e+03	1.92e+03	3.5e+00
122	PCB-160	*	1.49e+03	*	*	1.92e+03	*
123	PCB-158	*	1.49e+03	*	*	1.92e+03	*
124	PCB-128/166	*	1.49e+03	*	*	1.92e+03	*
125	PCB-159	*	1.20e+03	*	*	1.11e+03	*
126	PCB-162	*	1.20e+03	*	*	1.11e+03	*
127	PCB-167	*	1.20e+03	*	*	1.11e+03	*
128	PCB-156/157	*	1.20e+03	*	*	1.11e+03	*
129	PCB-169	*	1.20e+03	*	*	1.11e+03	*
130	PCB-188	*	1.15e+03	*	*	1.00e+03	*
131	PCB-179	*	1.15e+03	*	*	1.00e+03	*
132	PCB-184	*	1.15e+03	*	*	1.00e+03	*
133	PCB-176	*	1.15e+03	*	*	1.00e+03	*
134	PCB-186	*	1.15e+03	*	*	1.00e+03	*
135	PCB-178	*	1.15e+03	*	*	1.00e+03	*
136	PCB-175	*	1.15e+03	*	*	1.00e+03	*
137	PCB-187	*	1.15e+03	*	*	1.00e+03	*
138	PCB-182	*	1.15e+03	*	*	1.00e+03	*
139	PCB-183	*	1.25e+03	*	*	1.30e+03	*
140	PCB-185	*	1.25e+03	*	*	1.30e+03	*
141	PCB-174	*	1.25e+03	*	*	1.30e+03	*
142	PCB-177	*	1.25e+03	*	*	1.30e+03	*
143	PCB-181	*	1.25e+03	*	*	1.30e+03	*
144	PCB-171/173	*	1.25e+03	*	*	1.30e+03	*
145	PCB-172	*	1.25e+03	*	*	1.30e+03	*
146	PCB-192	*	1.25e+03	*	*	1.30e+03	*
147	PCB-180/193	*	1.25e+03	*	*	1.30e+03	*
148	PCB-191	*	1.25e+03	*	*	1.30e+03	*
149	PCB-170	*	1.25e+03	*	*	1.30e+03	*
150	PCB-190	*	1.25e+03	*	*	1.30e+03	*
151	PCB-189	*	1.25e+03	*	*	1.30e+03	*
152	PCB-202	*	1.13e+03	*	*	1.06e+03	*
153	PCB-201	*	1.13e+03	*	*	1.06e+03	*
154	PCB-204	*	1.13e+03	*	*	1.06e+03	*
155	PCB-197	*	1.13e+03	*	*	1.06e+03	*
156	PCB-200	*	1.13e+03	*	*	1.06e+03	*
157	PCB-198/199	*	1.13e+03	*	*	1.06e+03	*
158	PCB-196	*	1.13e+03	*	*	1.06e+03	*
159	PCB-203	*	1.13e+03	*	*	1.06e+03	*
160	PCB-195	*	1.13e+03	*	*	1.06e+03	*
161	PCB-194	*	1.13e+03	*	*	1.06e+03	*
162	PCB-205	*	1.13e+03	*	*	1.06e+03	*

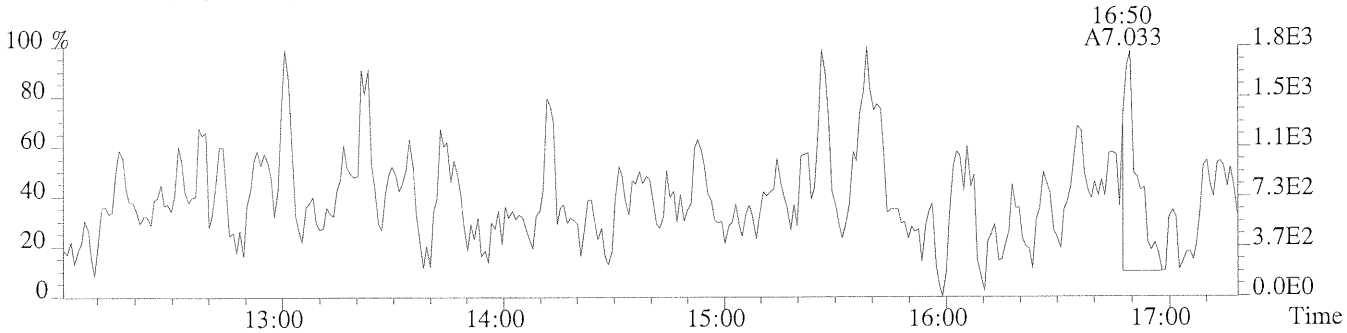
PCB-208	*	1.46e+03	*	*	1.09e+03	*
PCB-207	*	1.46e+03	*	*	1.09e+03	*
PCB-206	*	9.40e+02	*	*	9.96e+02	*
PCB-209	2.49e+04	7.04e+02	3.5e+01	2.25e+04	1.04e+03	2.2e+01
PCB-1L	1.65e+06	2.08e+03	7.9e+02	5.42e+05	1.35e+04	4.0e+01
PCB-3L	1.21e+06	2.08e+03	5.8e+02	3.96e+05	1.35e+04	2.9e+01
PCB-4L	8.65e+05	1.52e+03	5.7e+02	5.61e+05	1.34e+03	4.2e+02
PCB-15L	8.35e+05	2.16e+03	3.9e+02	5.55e+05	1.70e+03	3.3e+02
PCB-19L	6.39e+05	1.29e+04	5.0e+01	6.22e+05	9.09e+03	6.8e+01
PCB-37L	7.97e+05	1.41e+04	5.6e+01	7.59e+05	1.93e+04	3.9e+01
PCB-54L	5.94e+05	3.43e+03	1.7e+02	6.80e+05	1.36e+03	5.0e+02
PCB-81L	7.54e+05	2.80e+03	2.7e+02	9.76e+05	1.08e+03	9.0e+02
PCB-77L	7.42e+05	2.80e+03	2.7e+02	9.63e+05	1.08e+03	8.9e+02
PCB-104L	1.03e+06	1.38e+03	7.4e+02	6.06e+05	1.45e+03	4.2e+02
PCB-123L	1.16e+06	1.64e+03	7.1e+02	7.69e+05	1.62e+03	4.7e+02
PCB-118L	1.17e+06	1.64e+03	7.2e+02	7.64e+05	1.62e+03	4.7e+02
PCB-114L	1.12e+06	1.64e+03	6.8e+02	7.03e+05	1.62e+03	4.3e+02
PCB-105L	1.07e+06	1.64e+03	6.5e+02	6.78e+05	1.62e+03	4.2e+02
PCB-126L	9.87e+05	1.64e+03	6.0e+02	6.49e+05	1.62e+03	4.0e+02
PCB-155L	1.39e+06	1.22e+03	1.1e+03	1.06e+06	1.19e+03	9.0e+02
PCB-167L	9.17e+05	2.27e+03	4.0e+02	7.30e+05	1.46e+03	5.0e+02
PCB-156/157L	1.41e+06	2.27e+03	6.2e+02	1.13e+06	1.46e+03	7.7e+02
PCB-169L	8.41e+05	2.27e+03	3.7e+02	6.68e+05	1.46e+03	4.6e+02
PCB-188L	1.20e+06	1.36e+03	8.9e+02	1.11e+06	1.02e+03	1.1e+03
PCB-189L	9.45e+05	1.48e+03	6.4e+02	8.74e+05	1.15e+03	7.6e+02
PCB-202L	1.06e+06	1.31e+03	8.0e+02	1.16e+06	1.84e+03	6.3e+02
PCB-205L	8.49e+05	1.31e+03	6.5e+02	9.38e+05	1.84e+03	5.1e+02
PCB-208L	8.32e+05	1.24e+03	6.7e+02	1.02e+06	1.19e+03	8.6e+02
PCB-206L	5.28e+05	1.50e+03	3.5e+02	6.97e+05	1.48e+03	4.7e+02
PCB-209L	7.98e+05	1.22e+03	6.6e+02	6.82e+05	2.05e+03	3.3e+02
PCB-28L	1.02e+06	1.41e+04	7.2e+01	9.64e+05	1.93e+04	5.0e+01
PCB-111L	1.56e+06	2.55e+03	6.1e+02	9.98e+05	1.96e+03	5.1e+02
PCB-178L	8.67e+05	1.36e+03	6.4e+02	8.05e+05	1.02e+03	7.9e+02
PCB-9L	5.12e+06	2.16e+03	2.4e+03	3.25e+06	1.70e+03	1.9e+03
PCB-52L	2.85e+06	2.68e+03	1.1e+03	3.60e+06	1.10e+03	3.3e+03
PCB-101L	4.52e+06	2.55e+03	1.8e+03	2.82e+06	1.96e+03	1.4e+03
PCB-138L	2.46e+06	9.20e+02	2.7e+03	1.96e+06	1.00e+03	1.9e+03
PCB-194L	2.61e+06	1.31e+03	2.0e+03	2.85e+06	1.84e+03	1.6e+03

File:U142175 #1-341 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

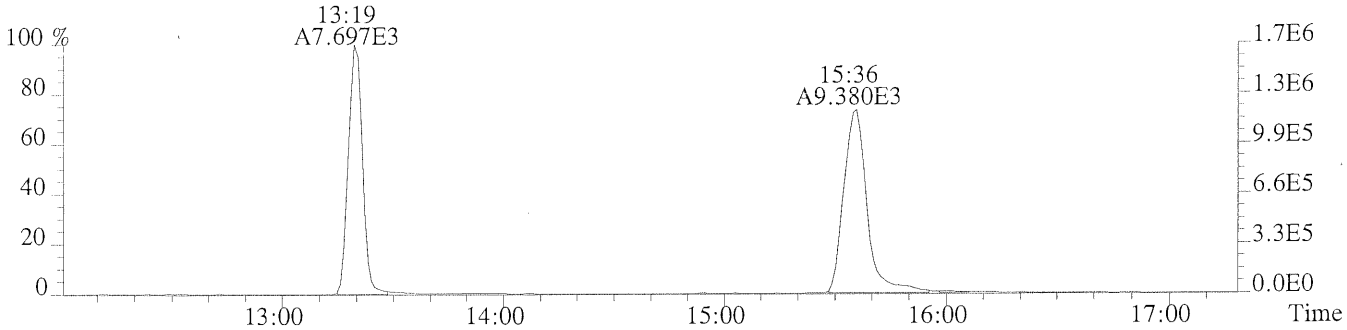
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1204.0,1.00%,F,T)



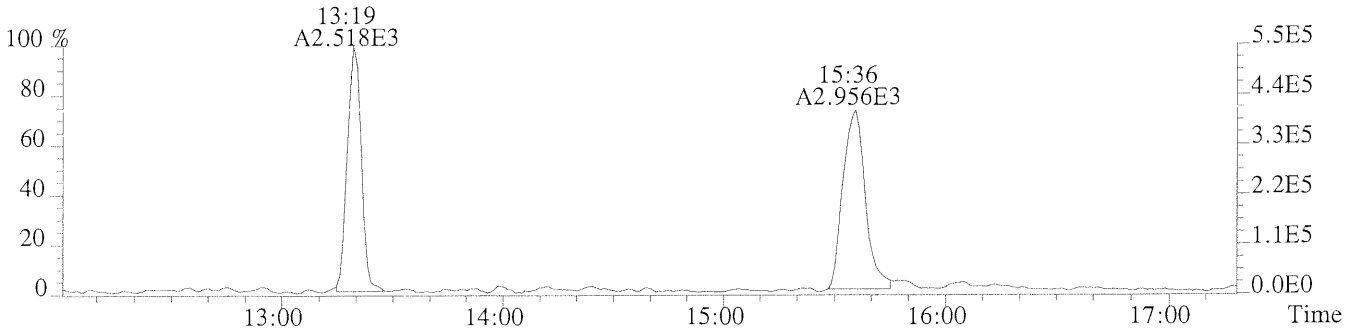
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,832.0,1.00%,F,T)



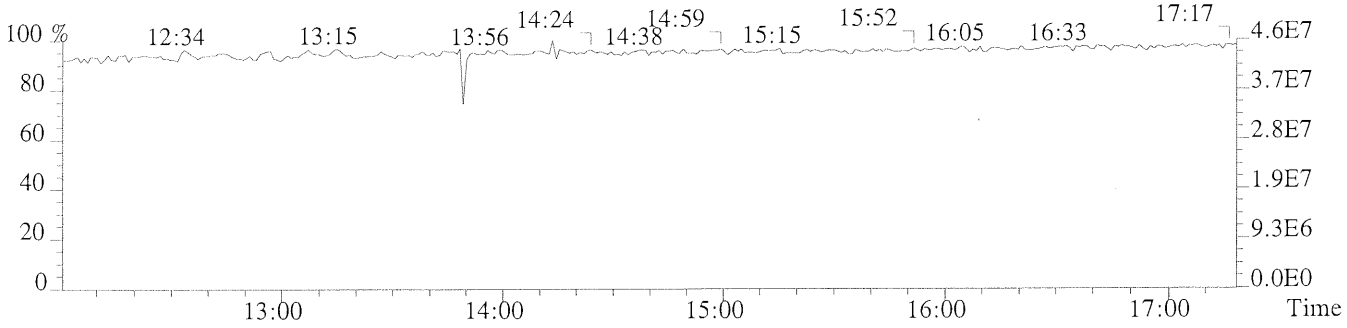
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2080.0,1.00%,F,T)



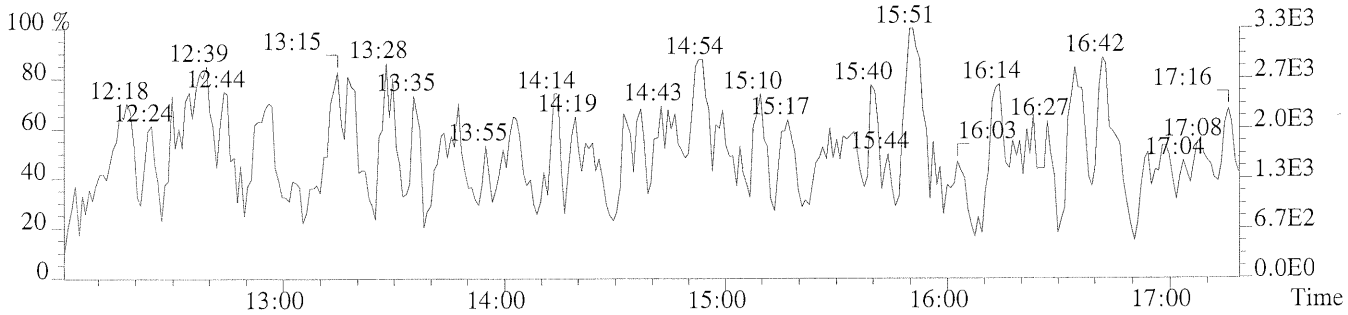
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13456.0,1.00%,F,T)



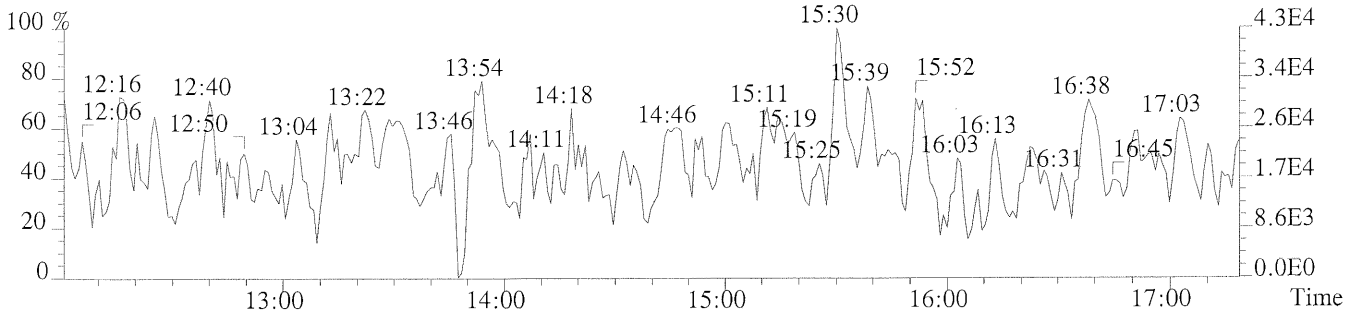
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



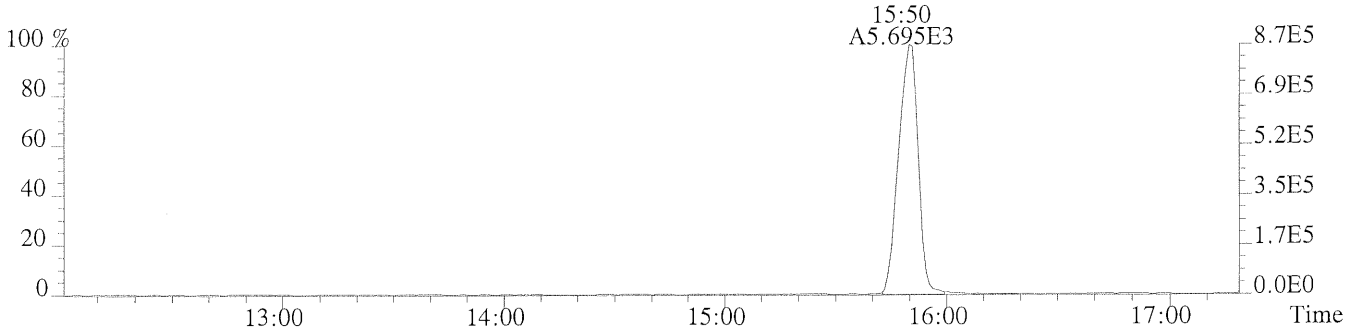
File:U142175 #1-341 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2088.0,1.00%,F,T)



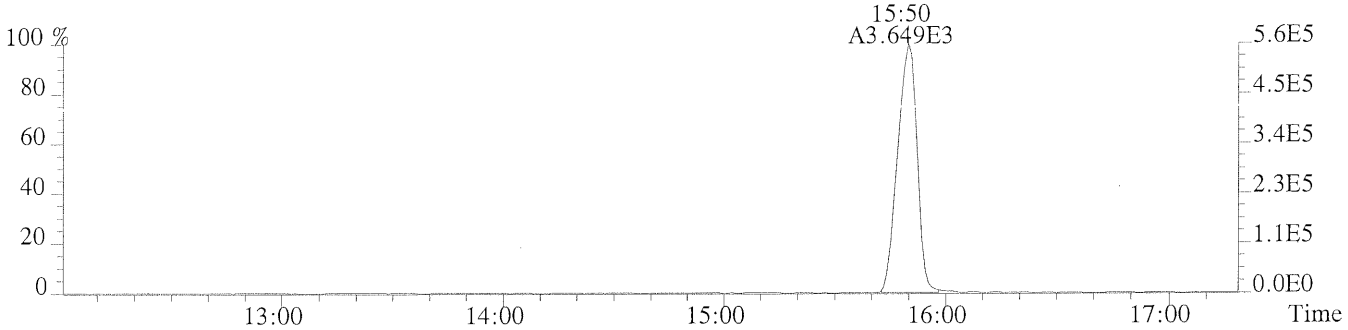
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,25100.0,1.00%,F,T)



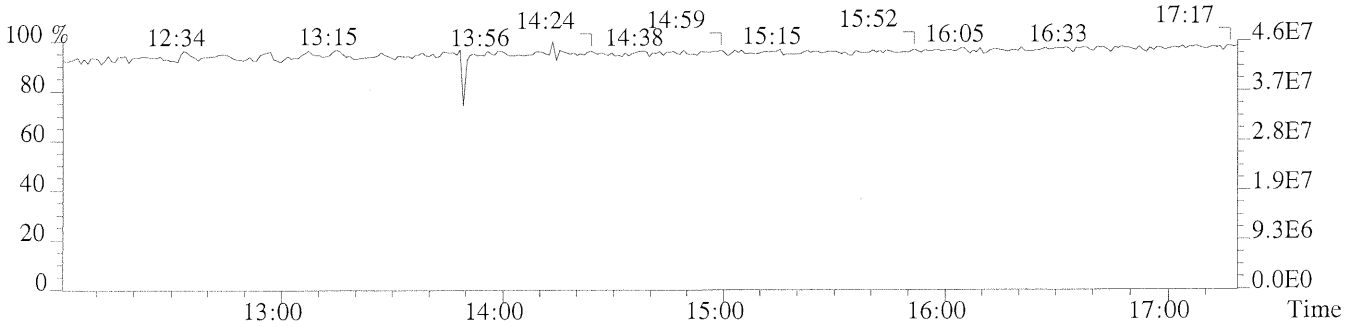
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1520.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1344.0,1.00%,F,T)

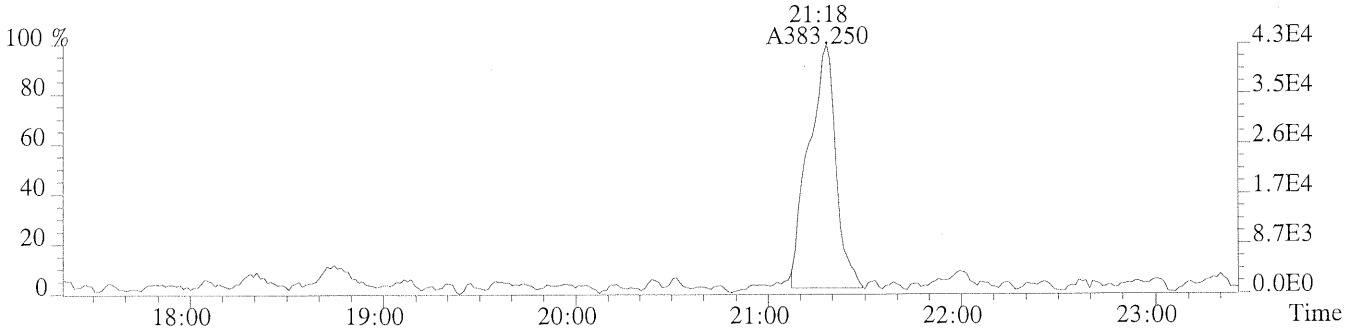


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

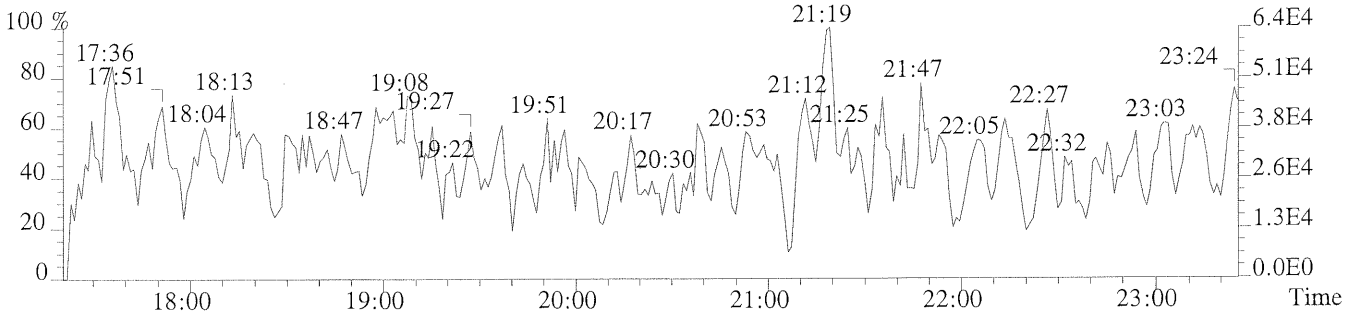


File:U142175 #1-336 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

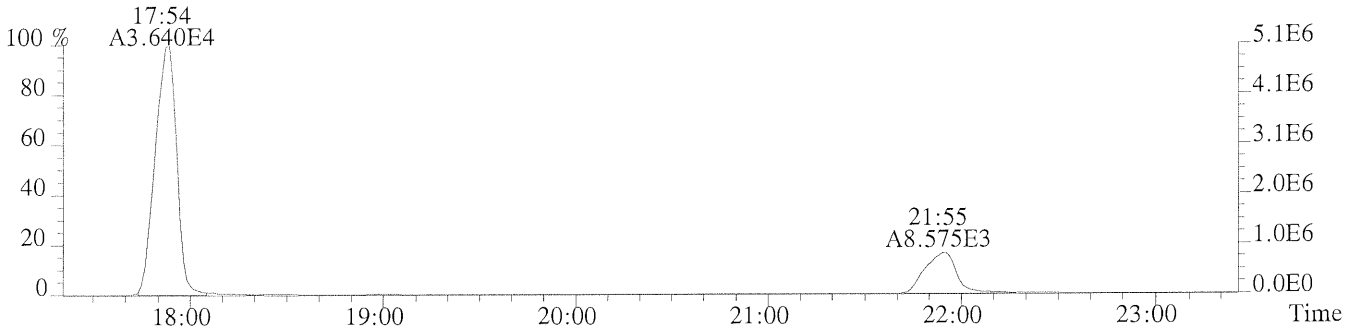
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2000.0,1.00%,F,T)



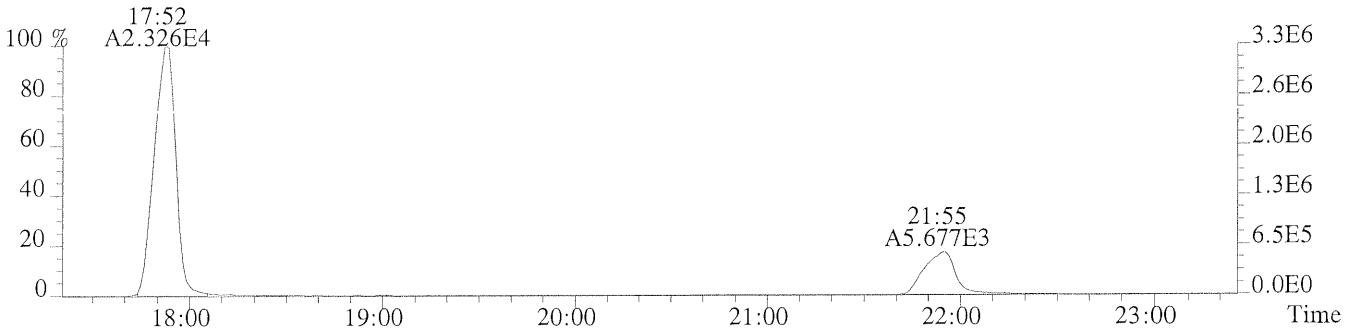
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,39616.0,1.00%,F,T)



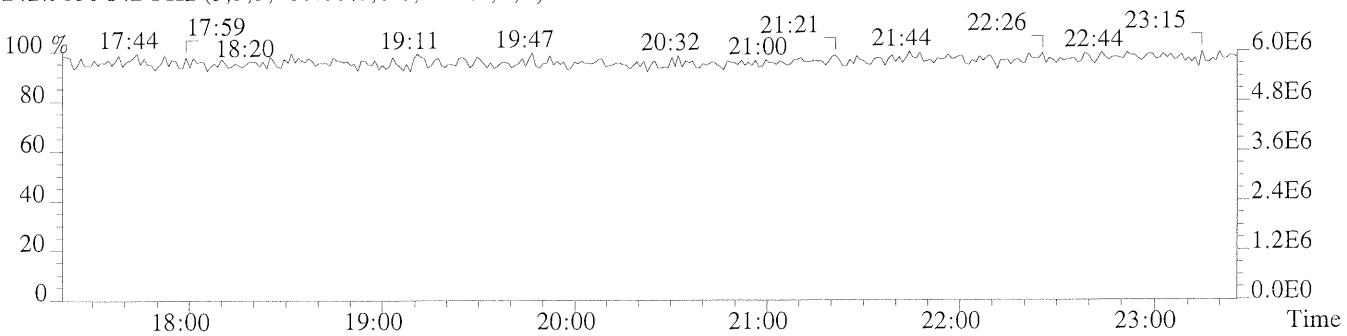
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2156.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1704.0,1.00%,F,T)

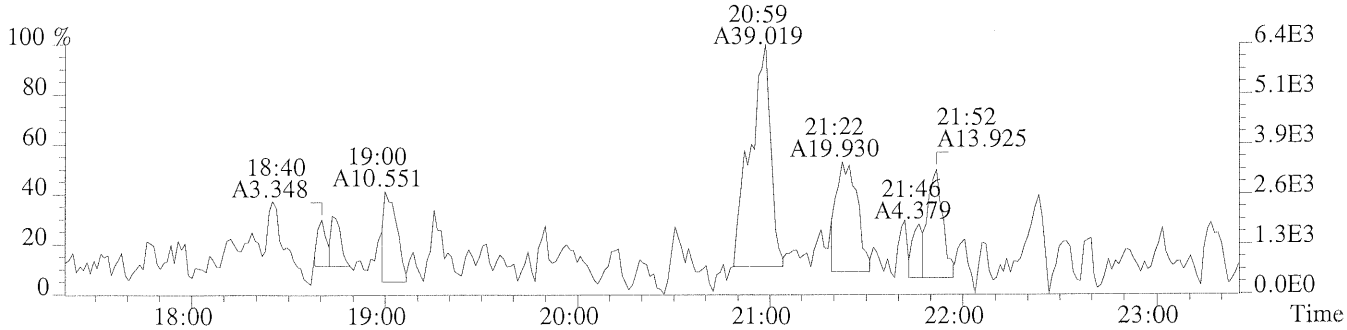


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

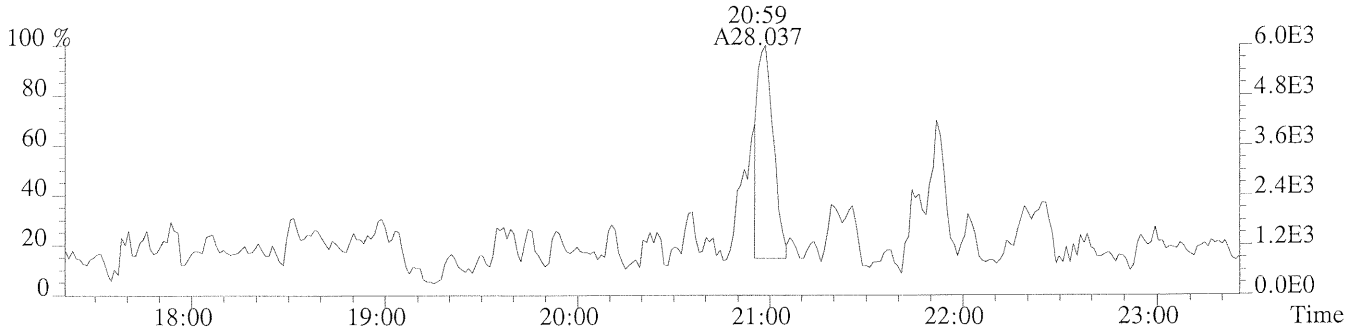


File:U142175 #1-336 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

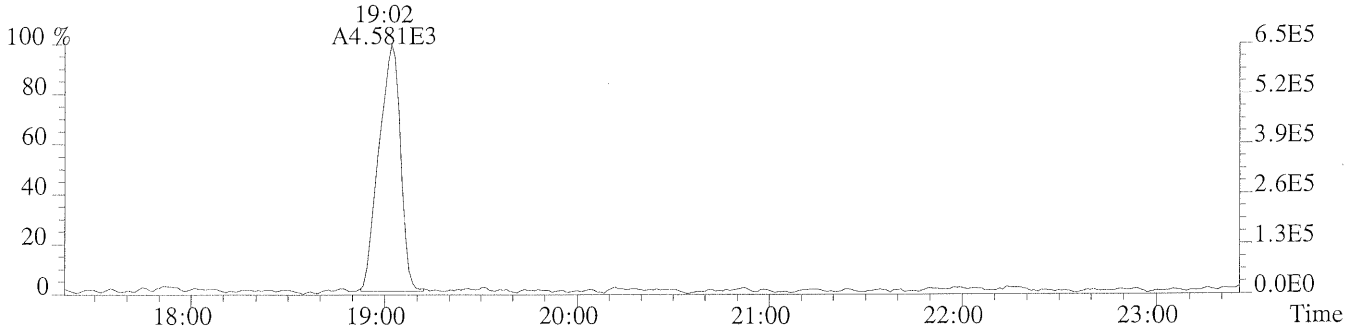
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1180.0,1.00%,F,T)



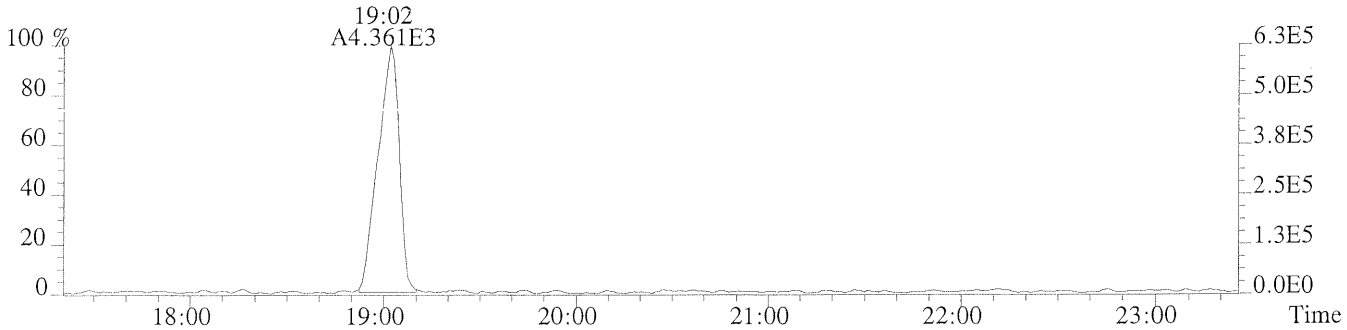
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1440.0,1.00%,F,T)



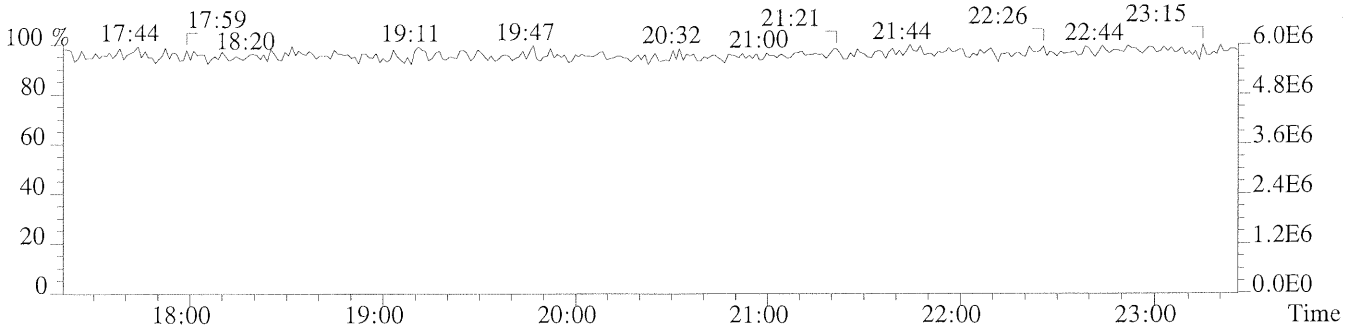
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12884.0,1.00%,F,T)



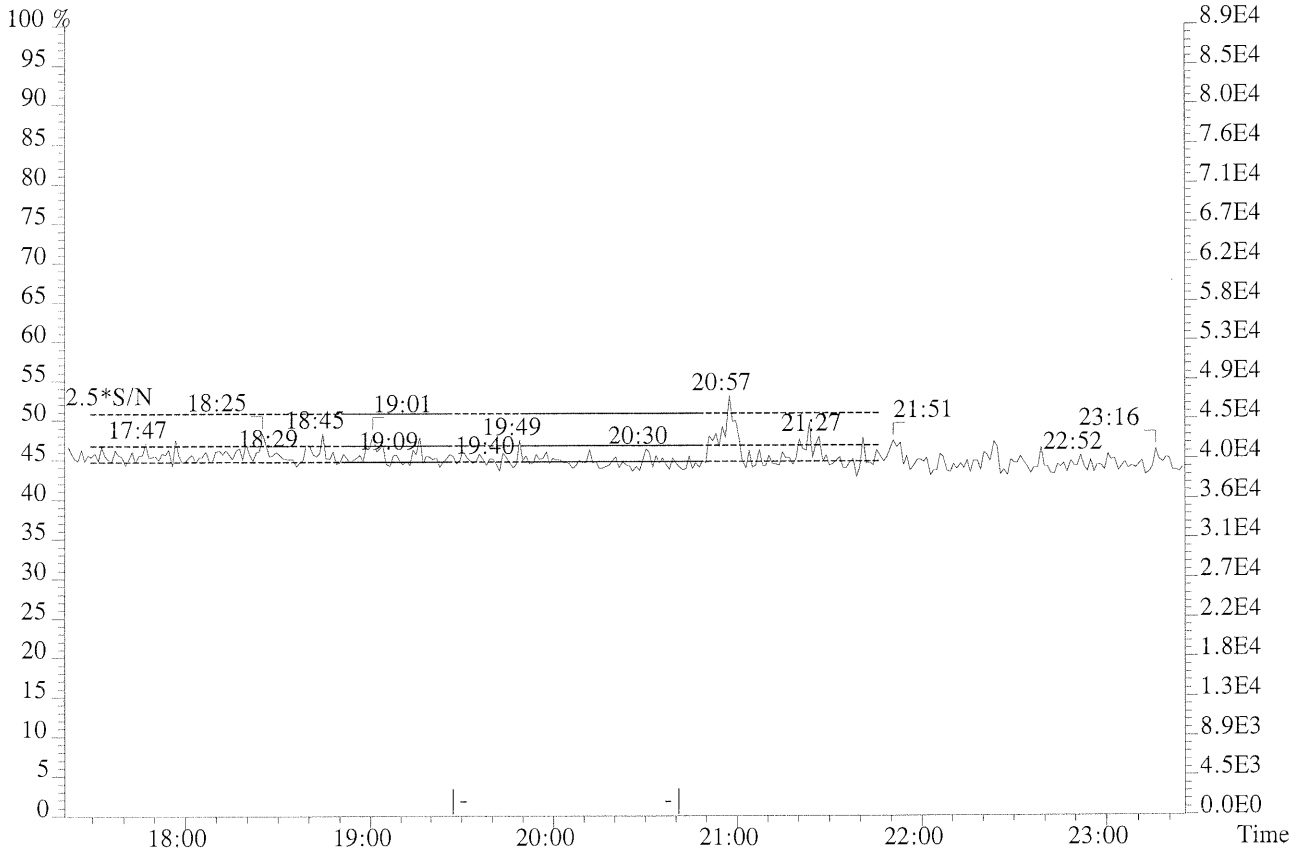
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9092.0,1.00%,F,T)



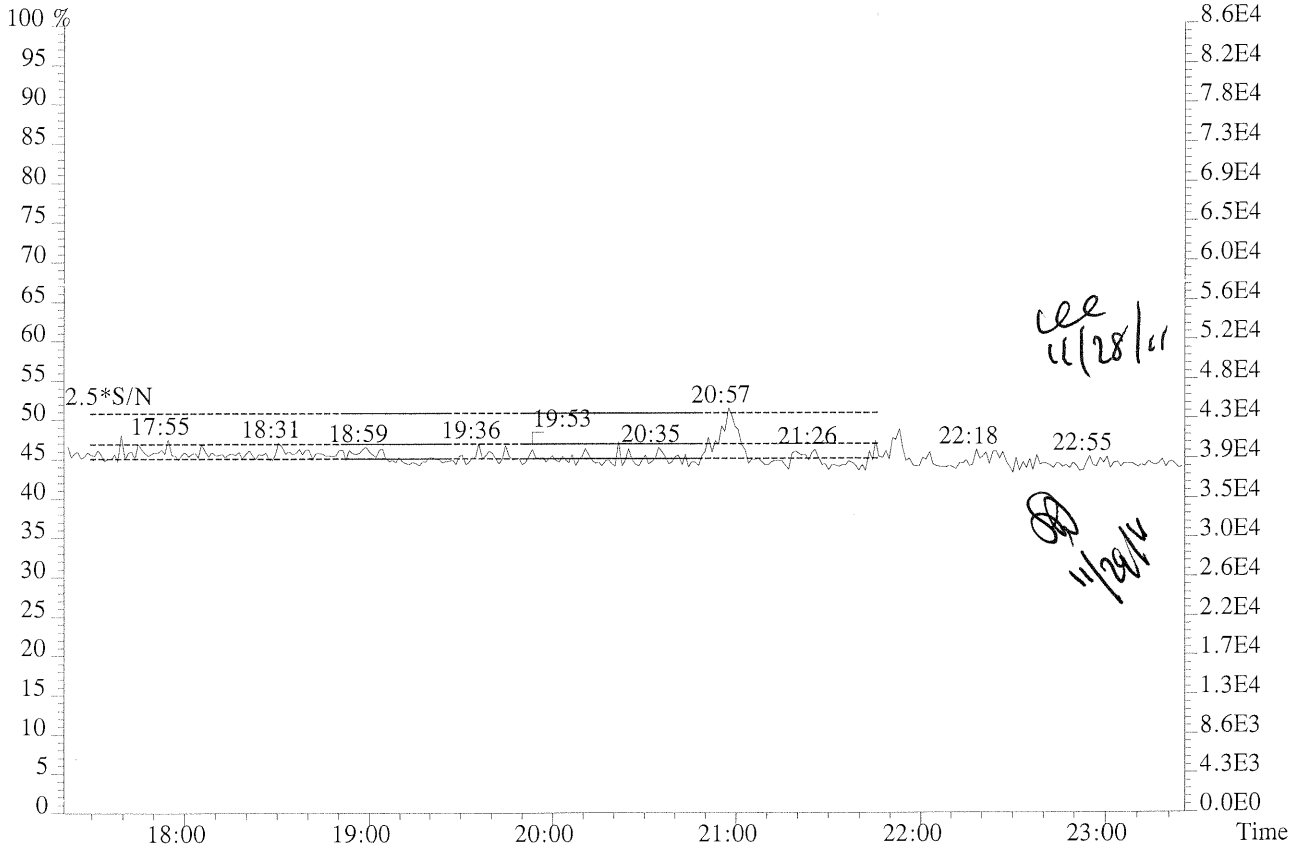
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142175 #1-336 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:EQ1100541-01 MB
255.9613 F:2



257.9584 F:2



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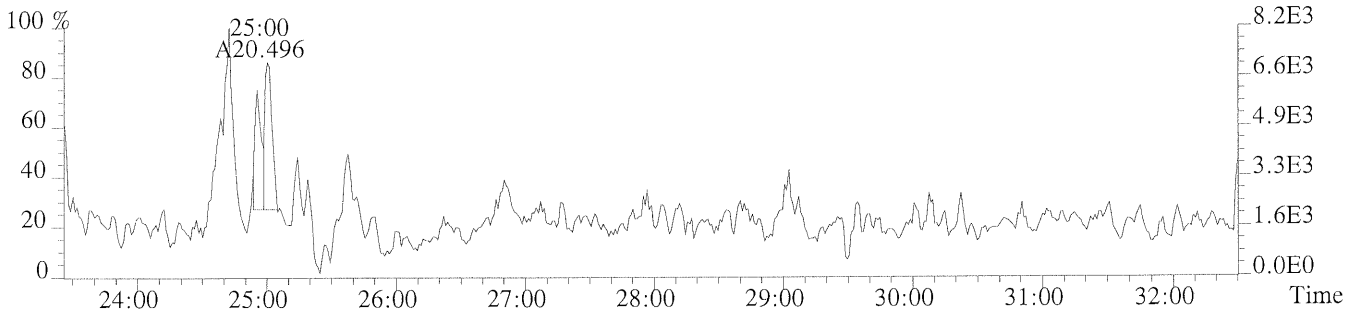
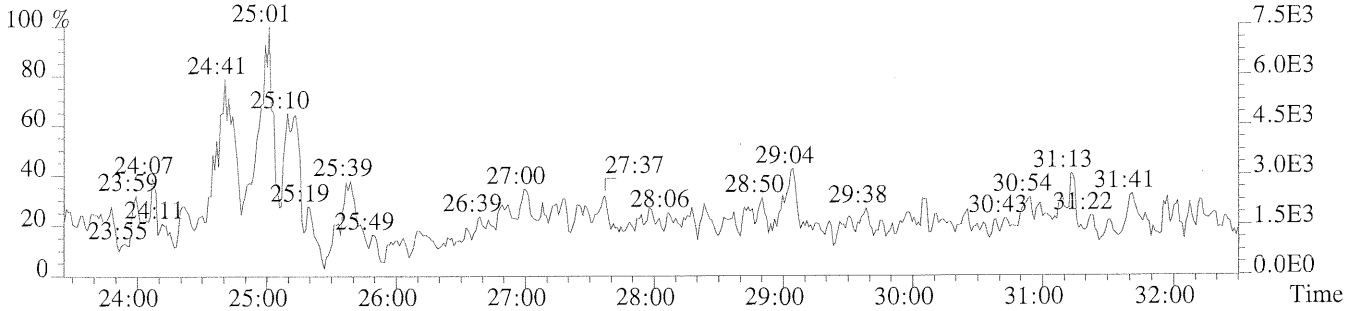
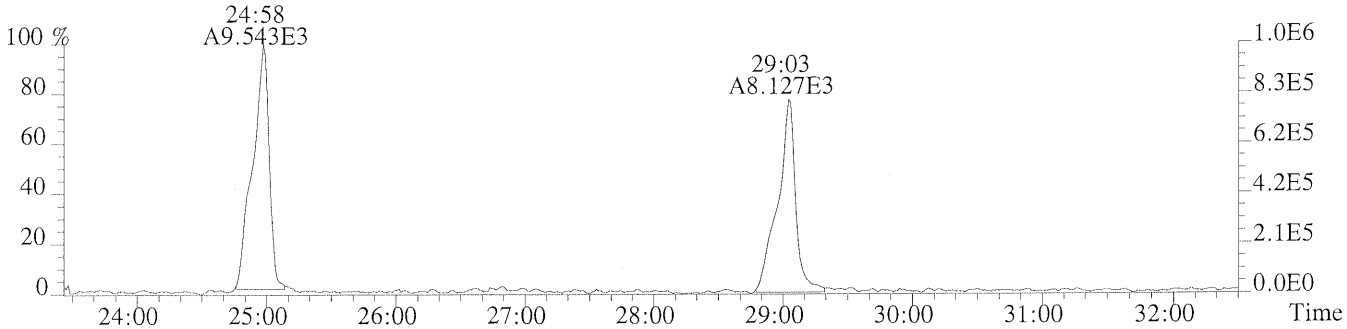
File:U142175 #1-580 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2380.0,1.00%,F,T)



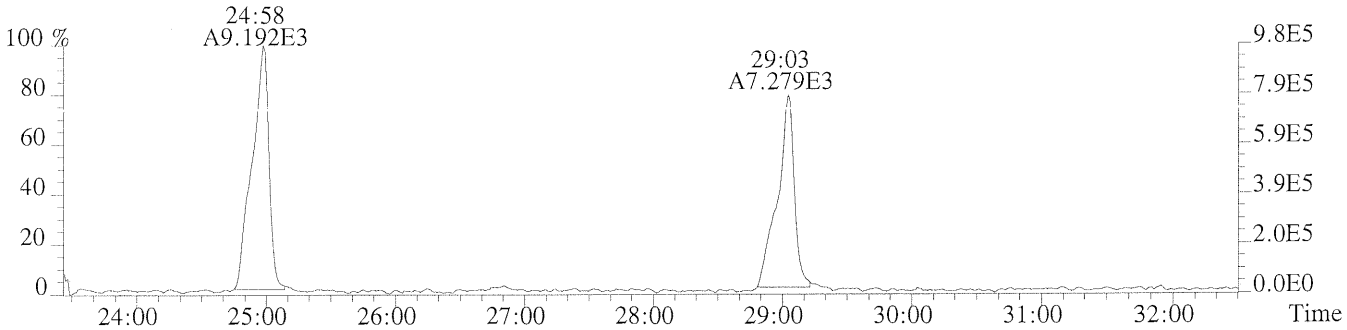
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2228.0,1.00%,F,T)



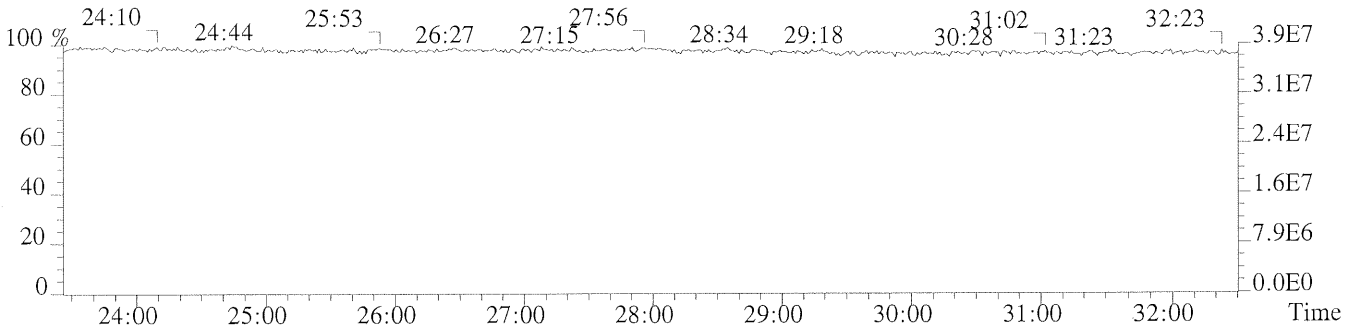
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,14124.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,19304.0,1.00%,F,T)

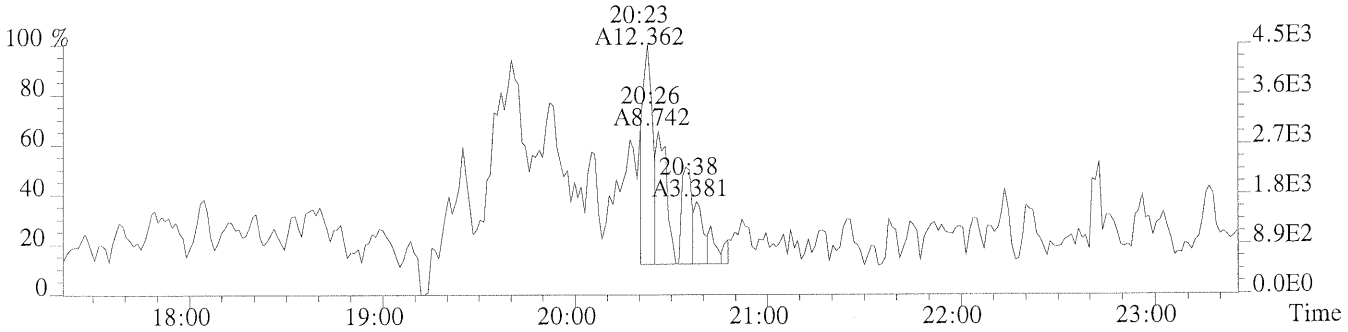


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

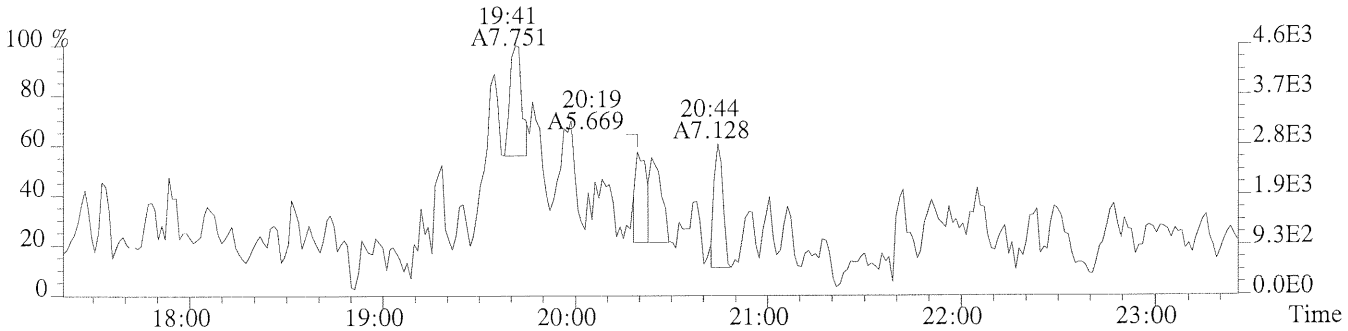


File:U142175 #1-336 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

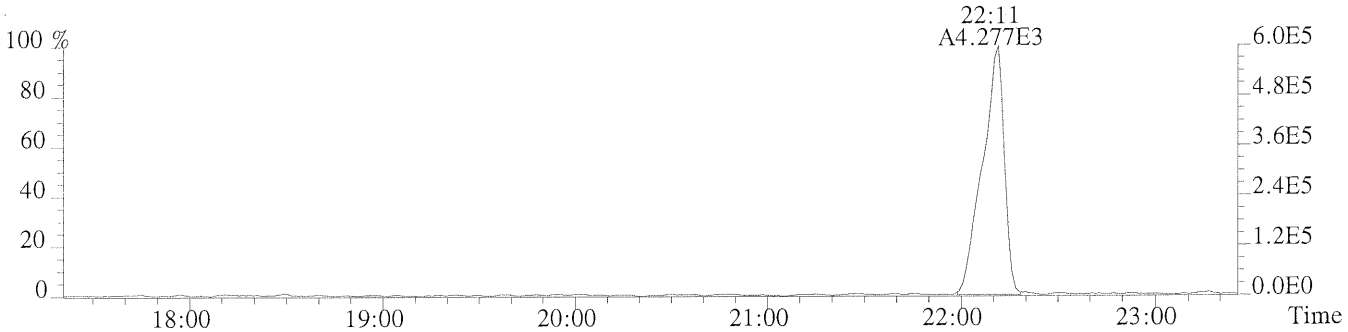
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1396.0,1.00%,F,T)



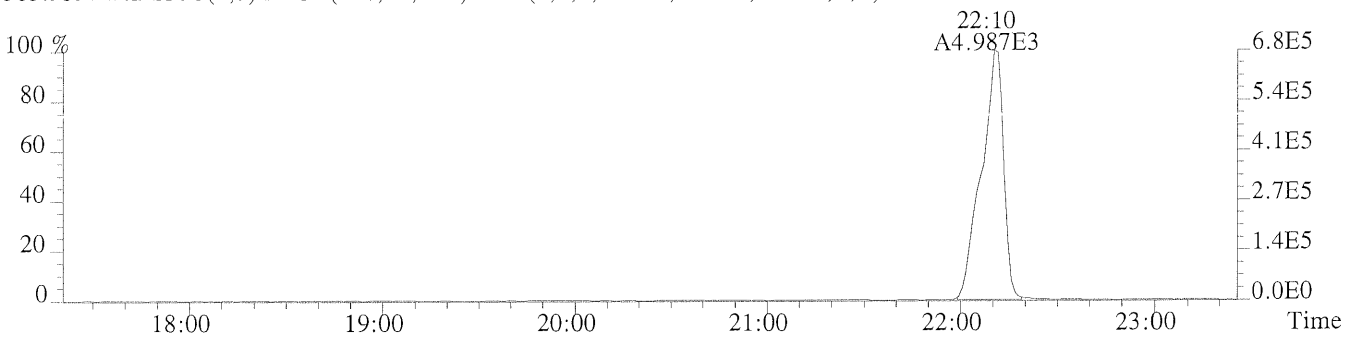
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1440.0,1.00%,F,T)



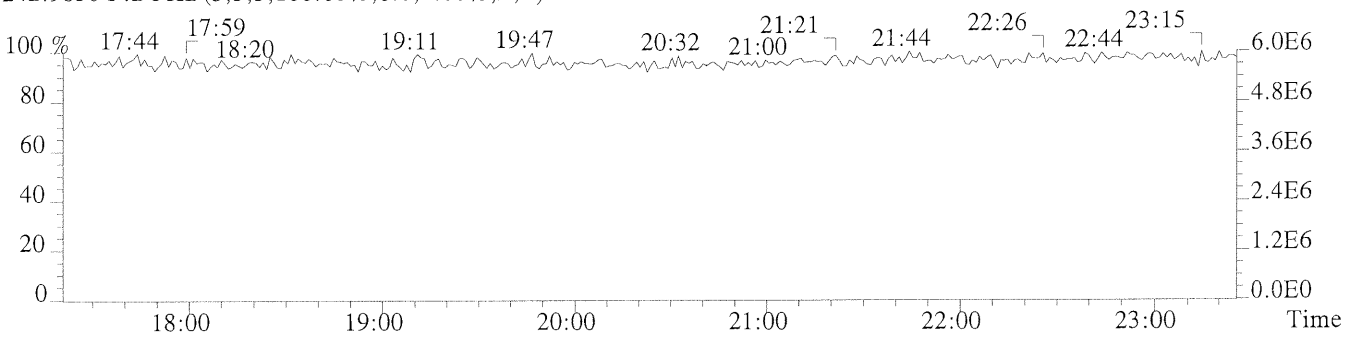
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3432.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1360.0,1.00%,F,T)

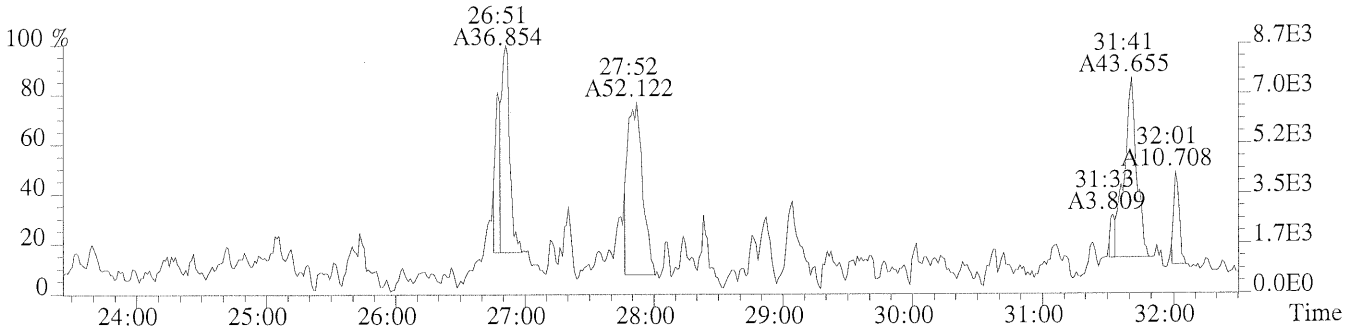


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

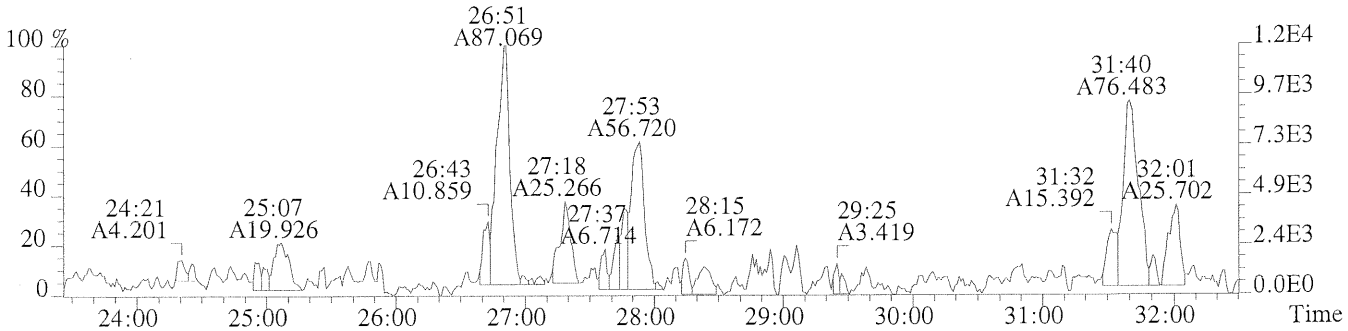


File:U142175 #1-580 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

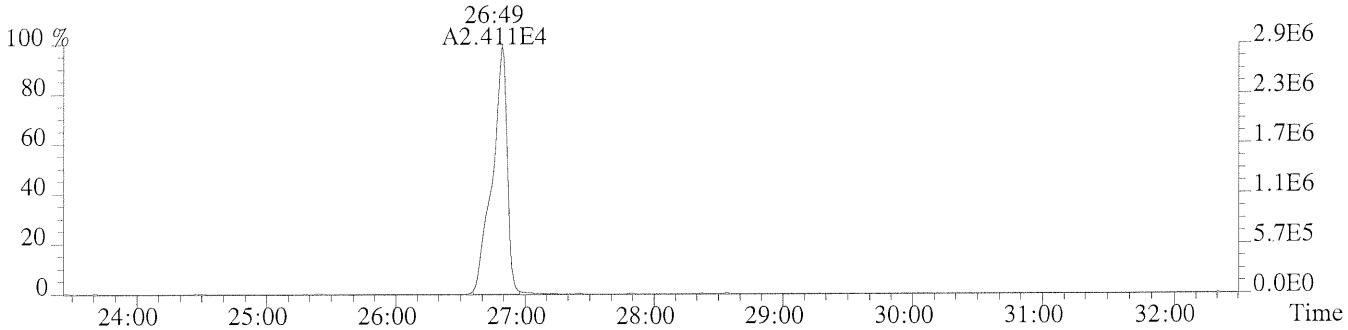
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1256.0,1.00%,F,T)



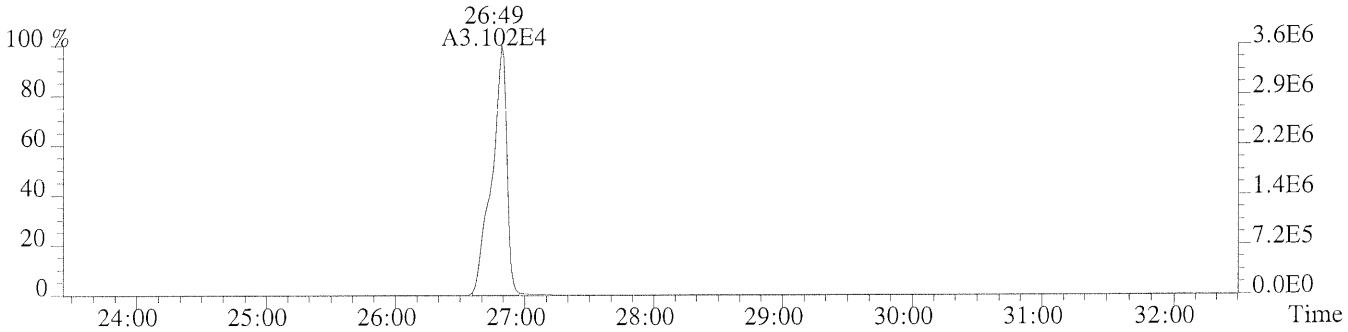
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



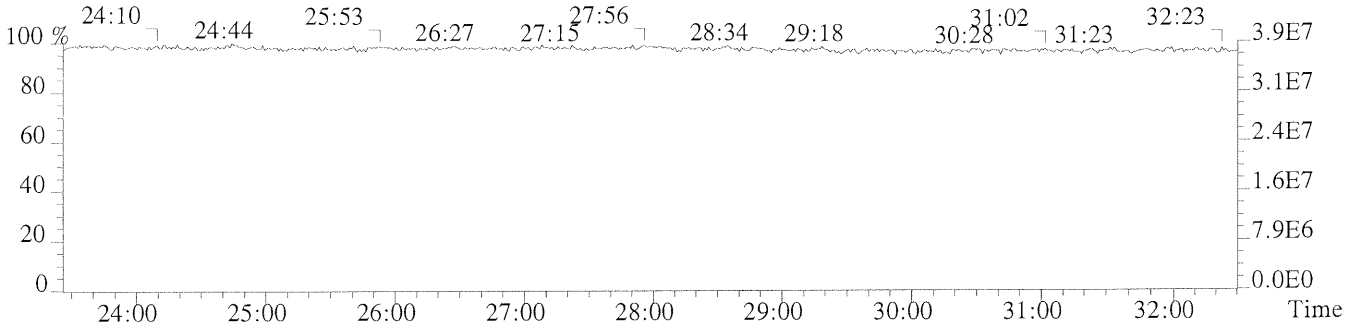
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2680.0,1.00%,F,T)



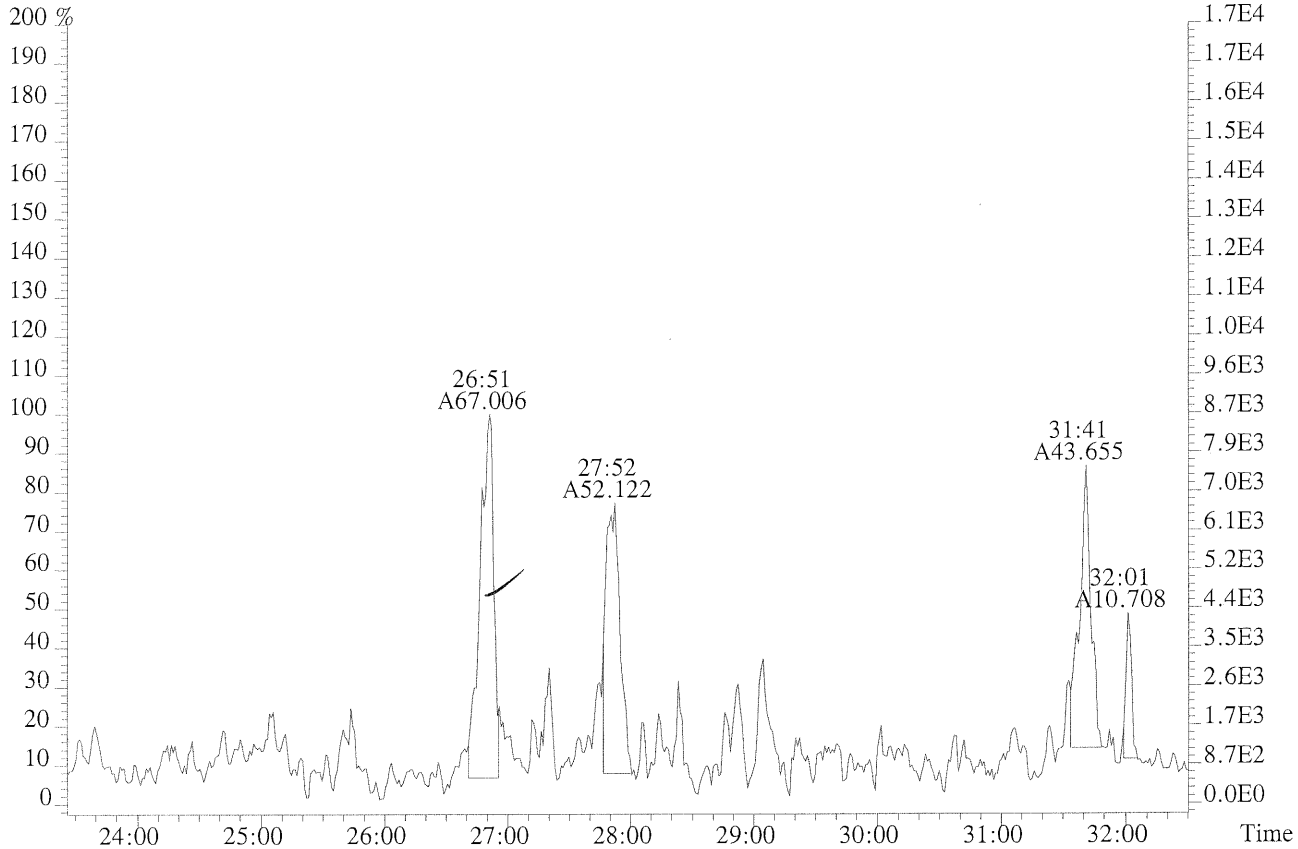
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)



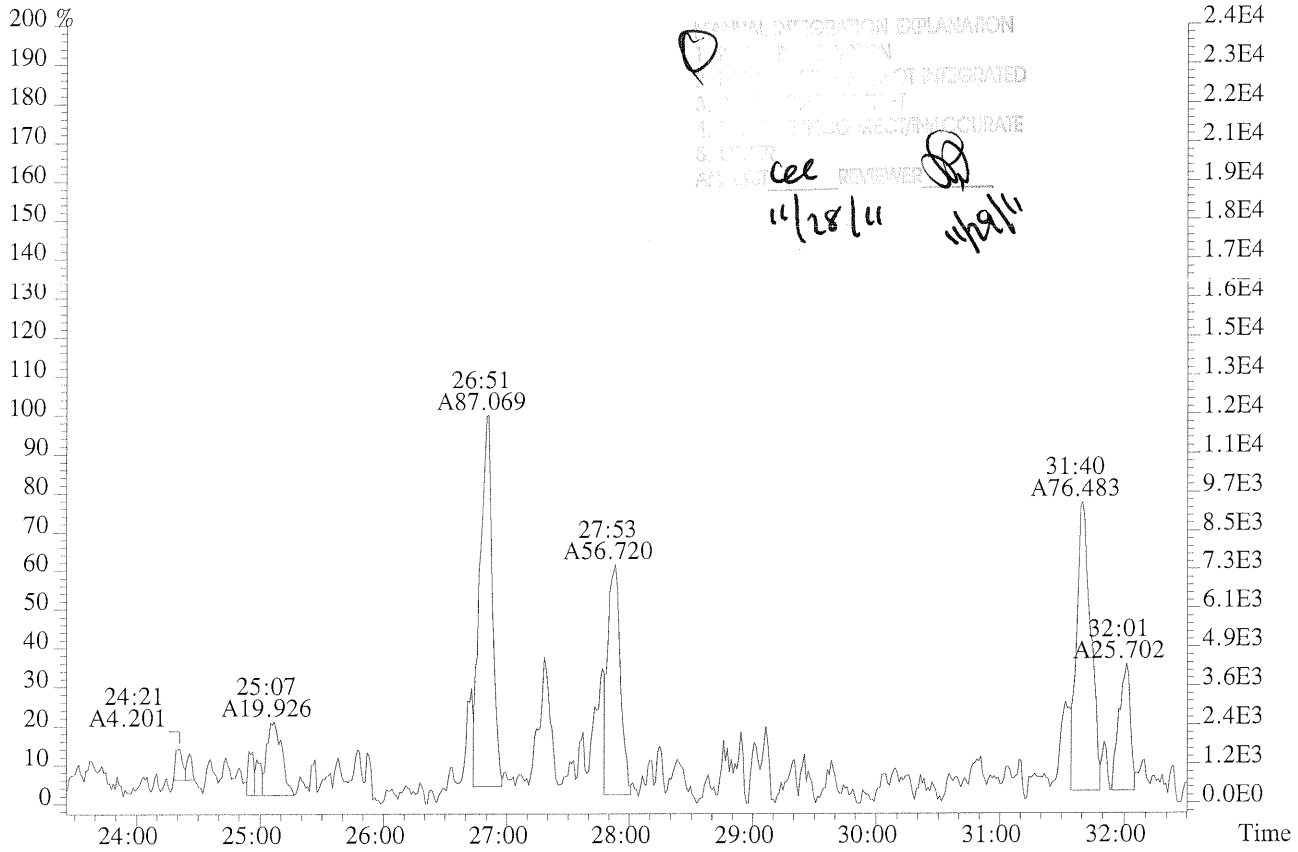
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



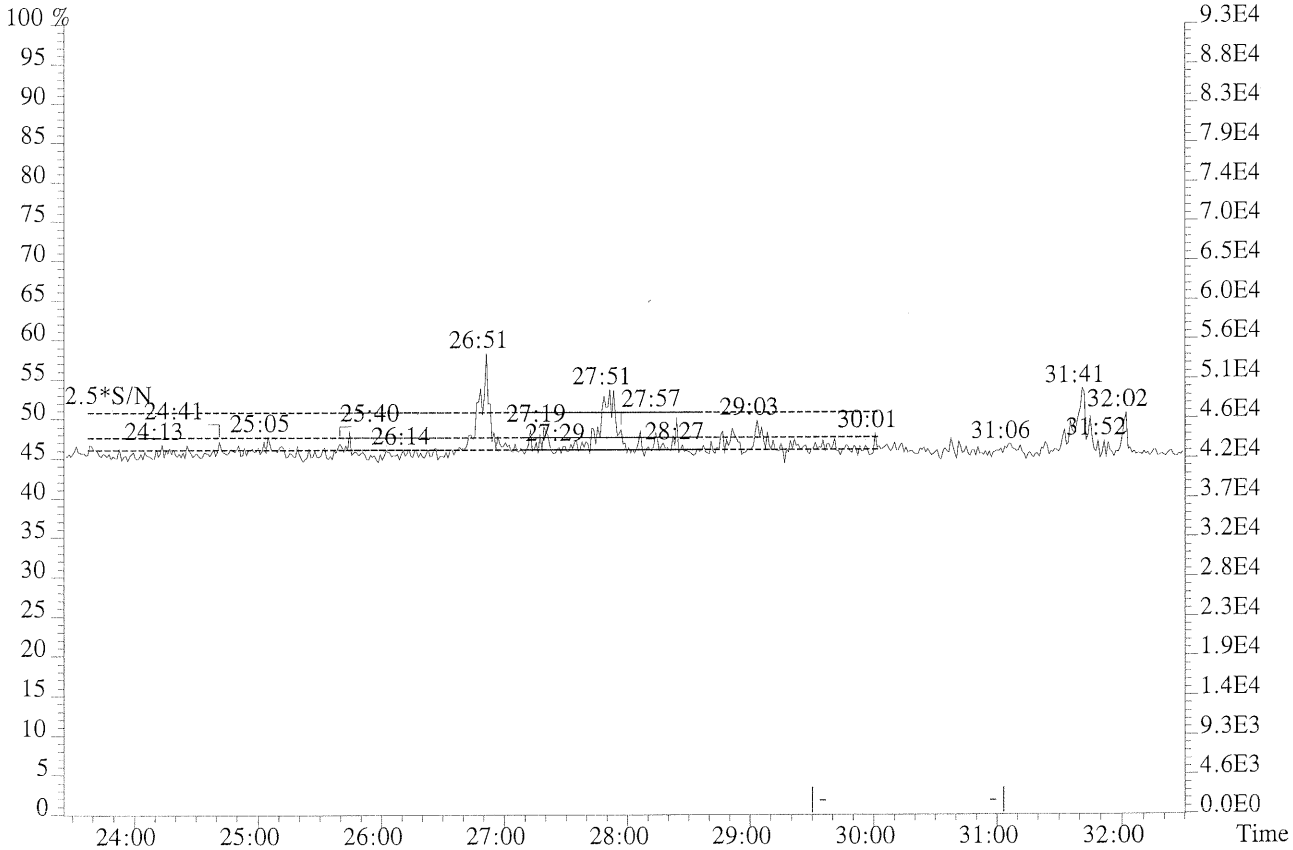
File:U142175 #1-580 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:EQ1100541-01 MB
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1256.0,1.00%,F,T)



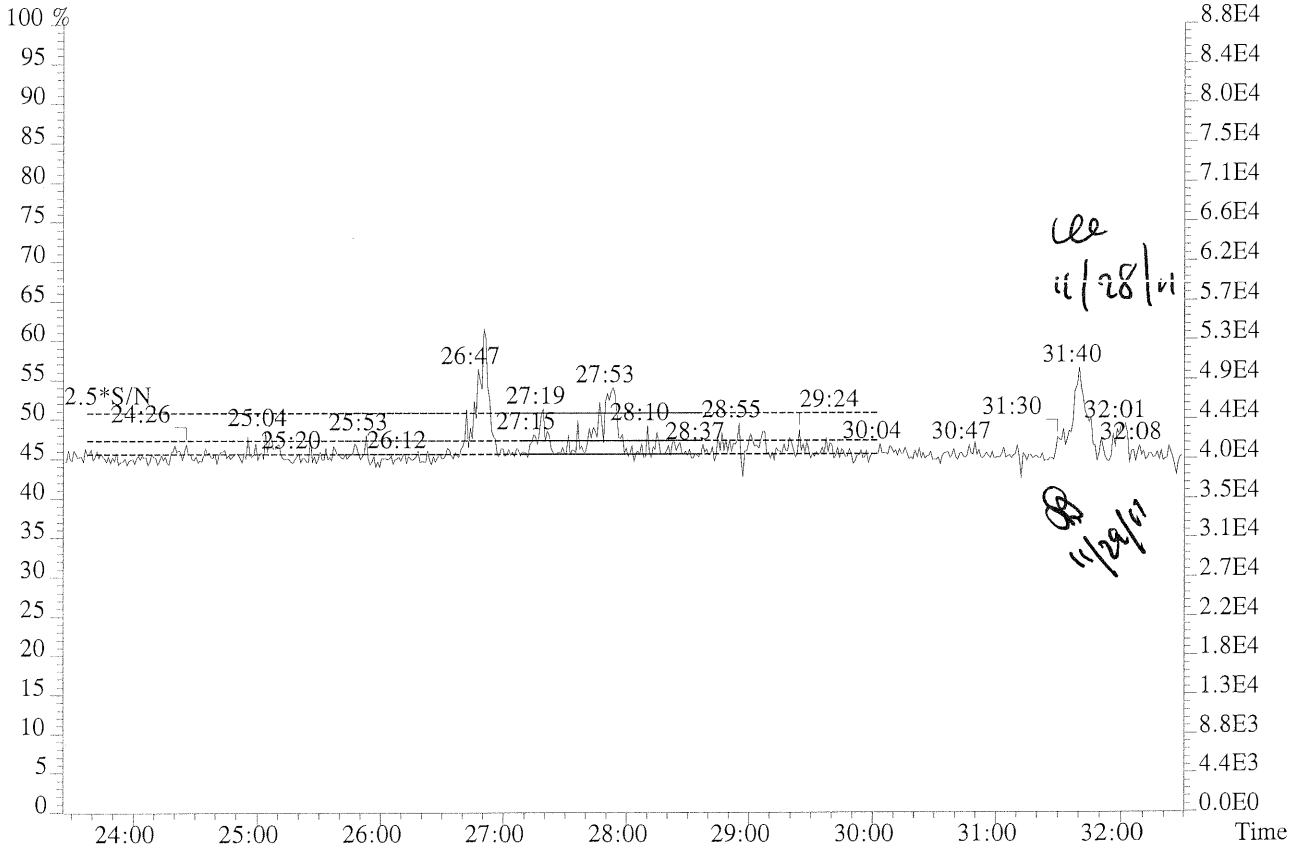
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



File:U142175 #1-580 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:EQ1100541-01 MB
289.9224 F:3



291.9194 F:3



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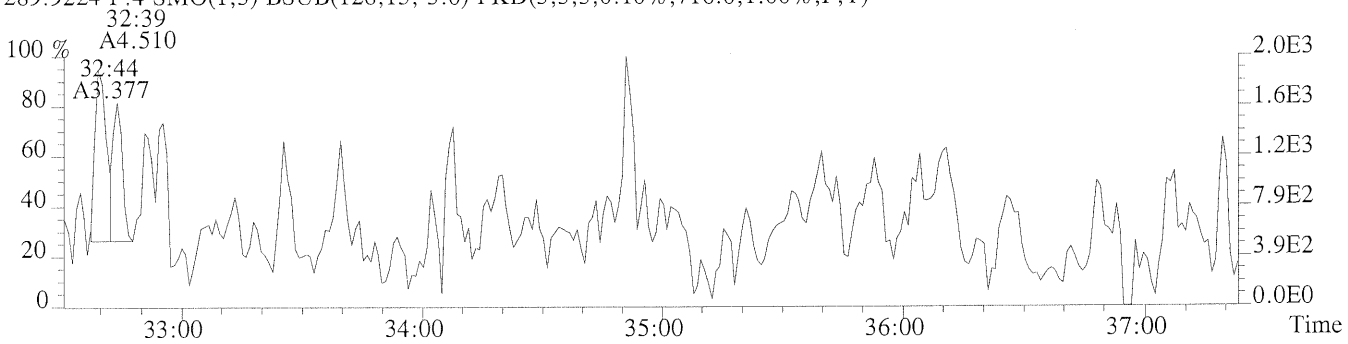
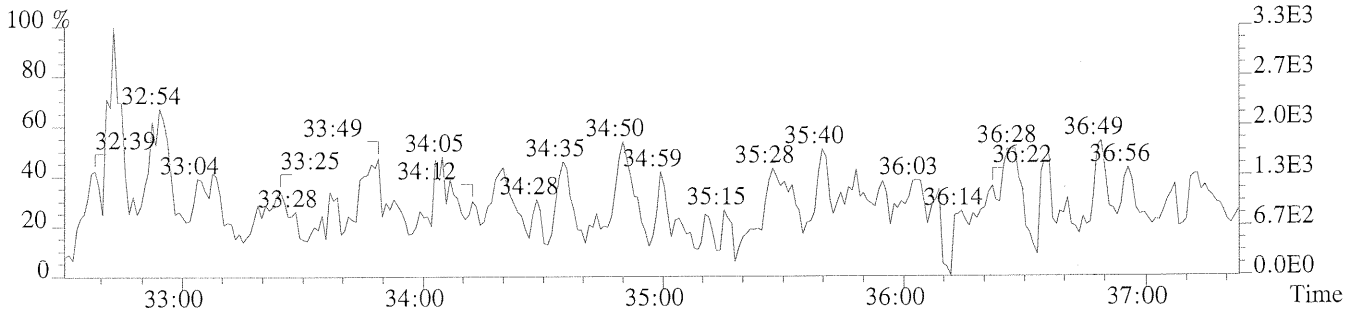
File:U142175 #1-312 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

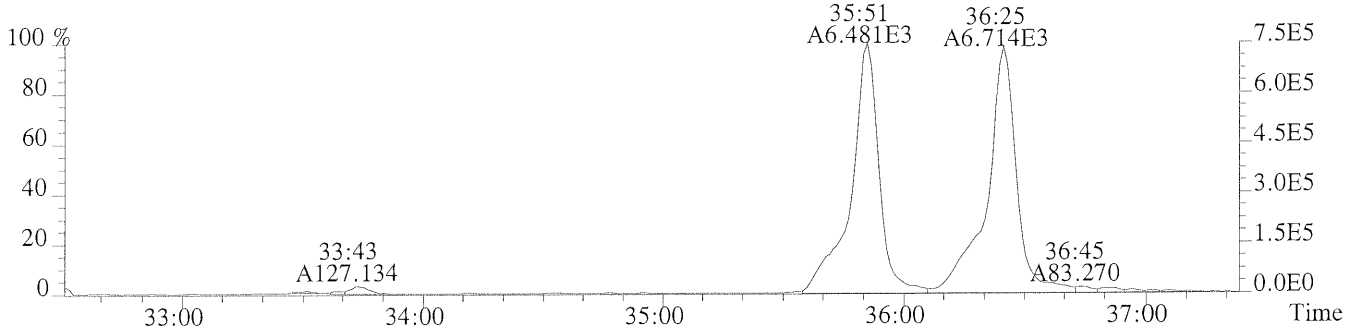
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)



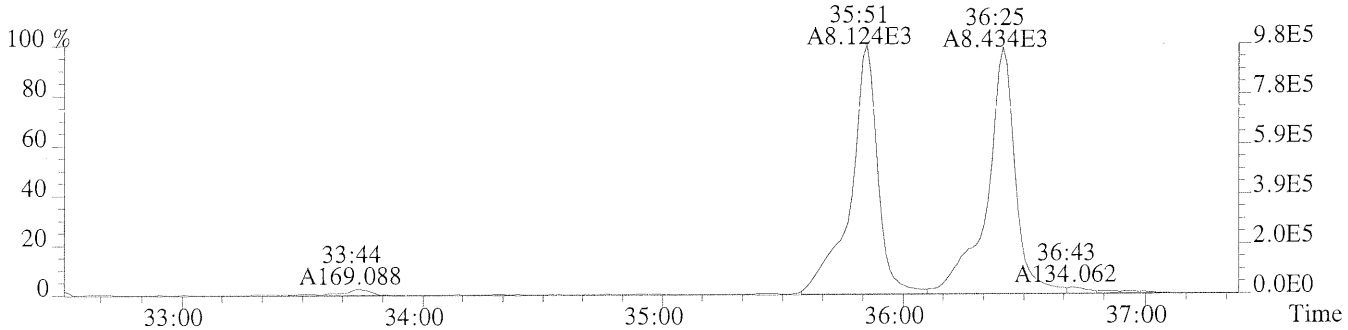
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



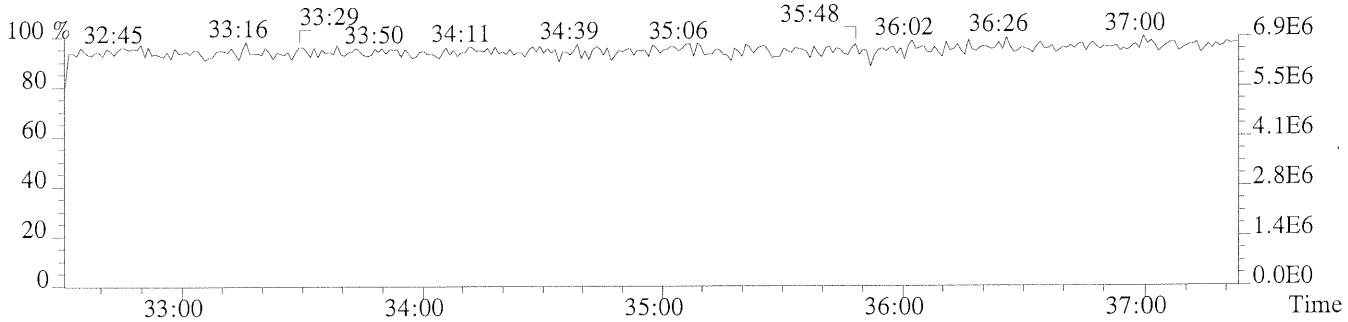
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2796.0,1.00%,F,T)



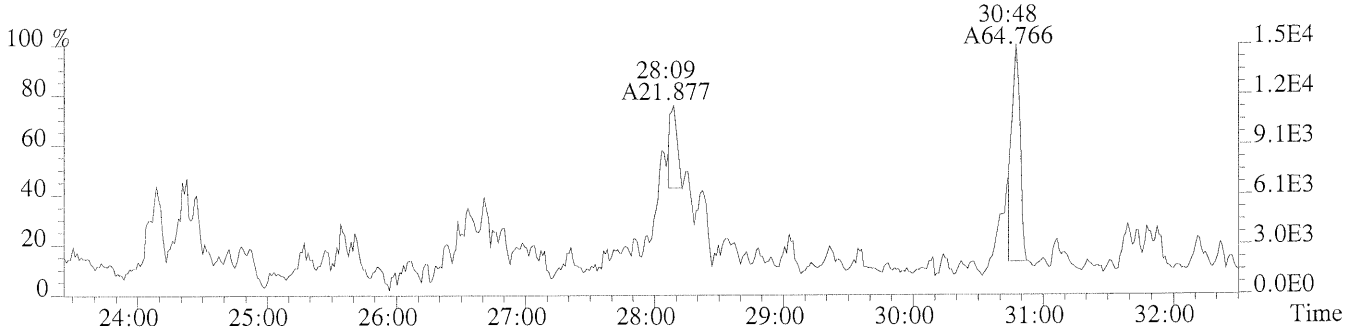
303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1080.0,1.00%,F,T)



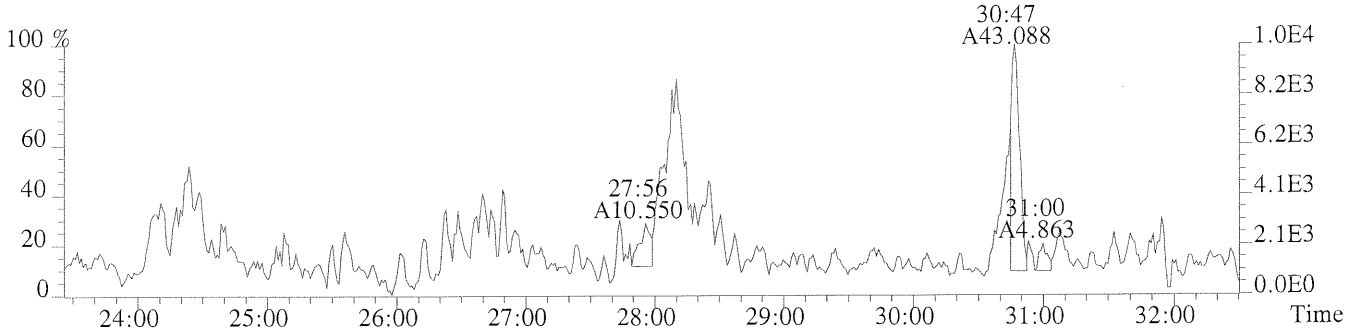
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



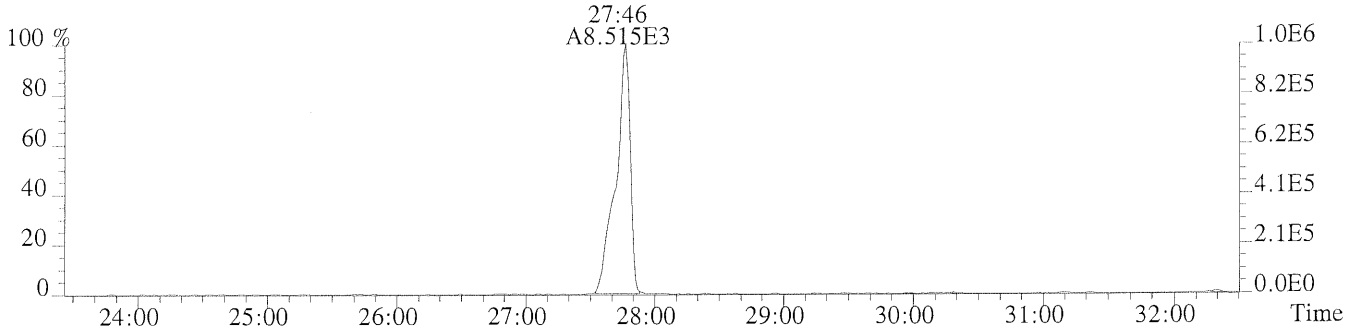
File:U142175 #1-580 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2724.0,1.00%,F,T)



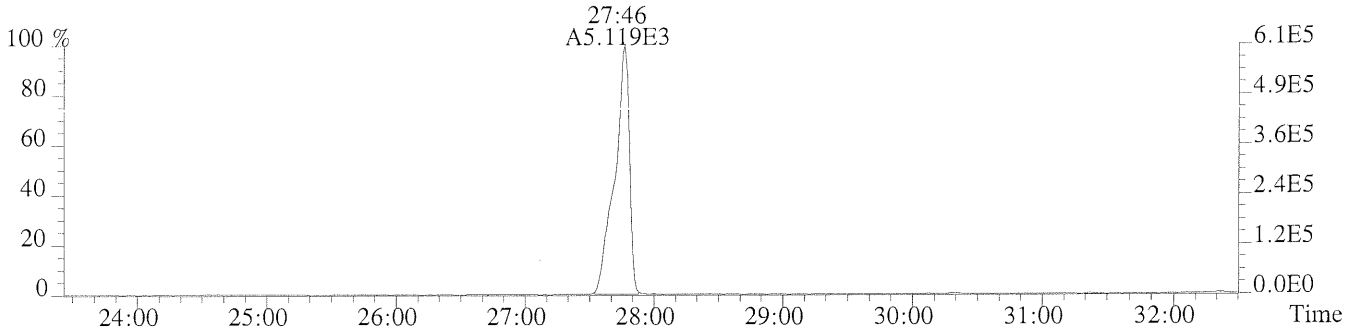
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1808.0,1.00%,F,T)



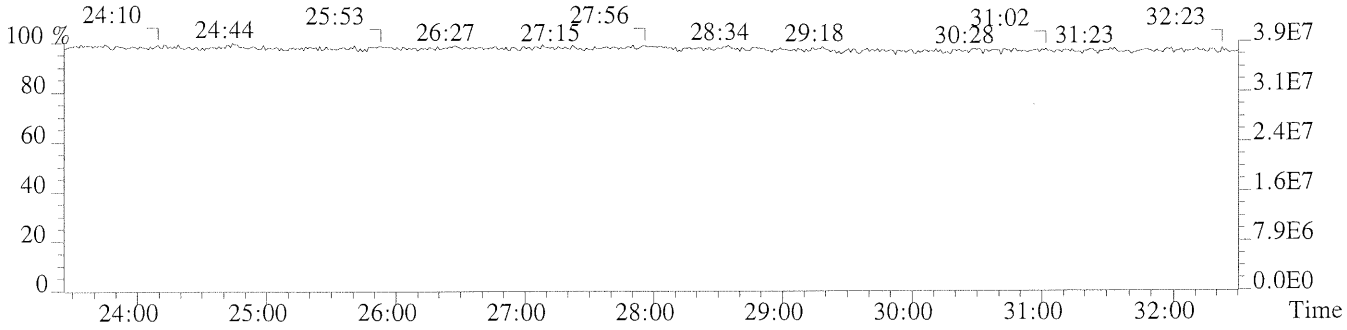
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1384.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1448.0,1.00%,F,T)

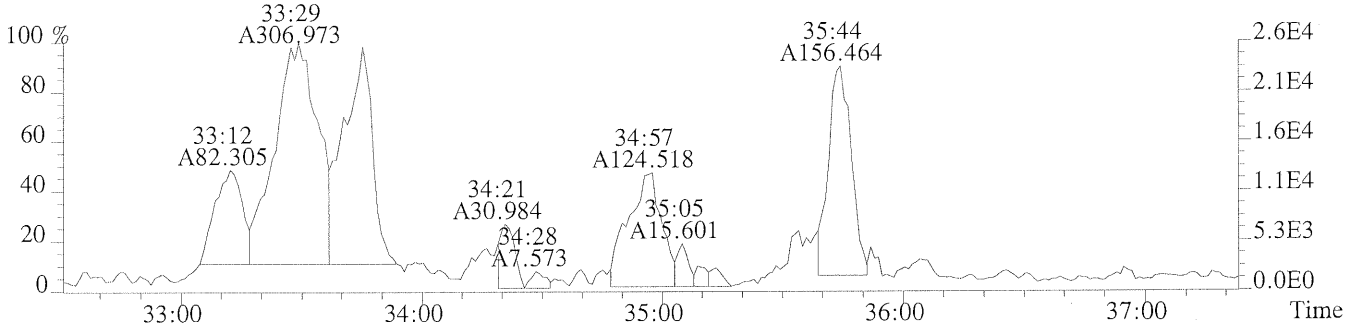


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

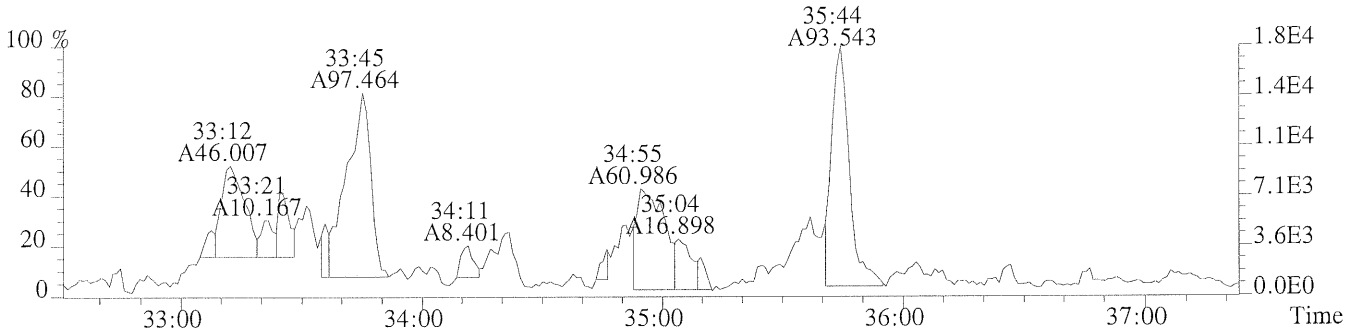


File:U142175 #1-312 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

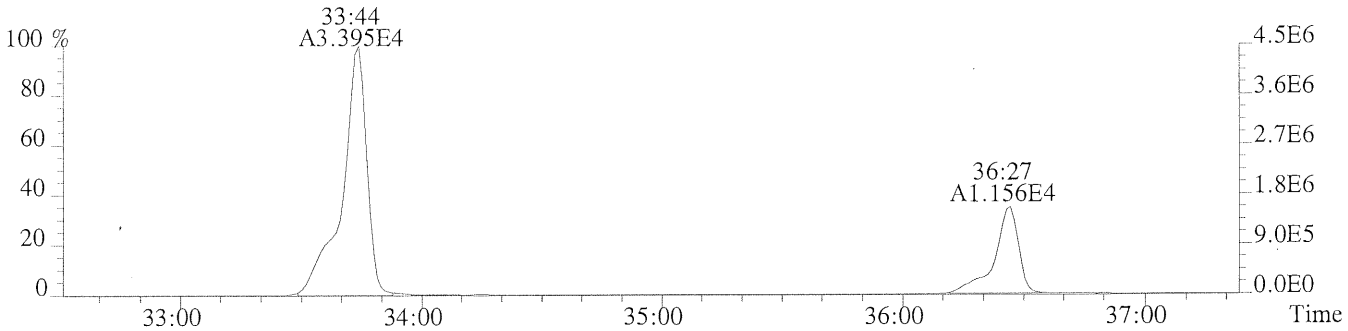
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1940.0,1.00%,F,T)



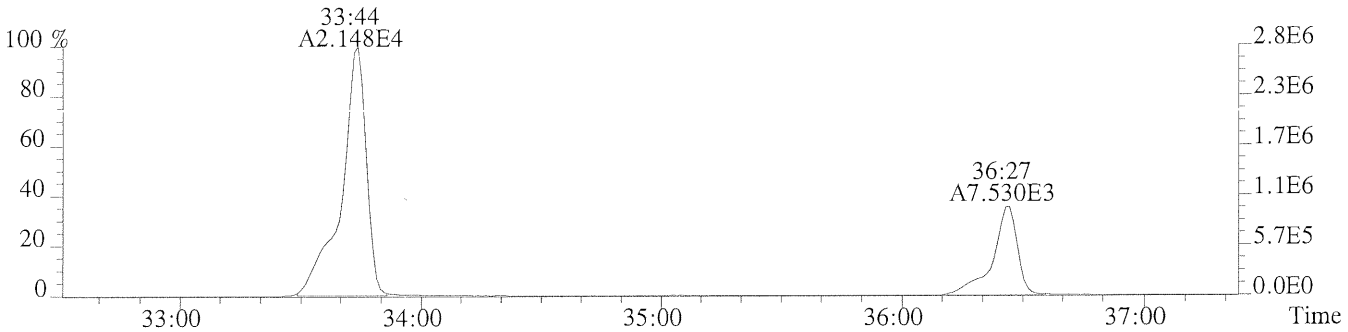
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1408.0,1.00%,F,T)



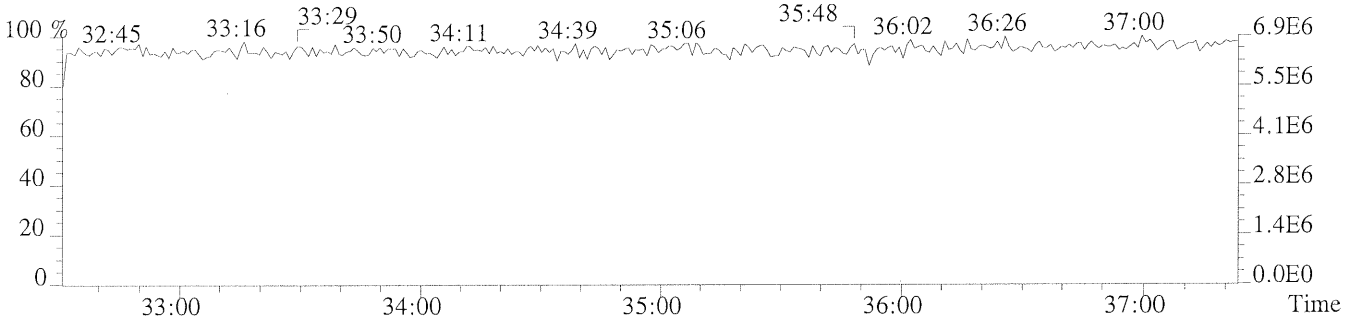
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2548.0,1.00%,F,T)



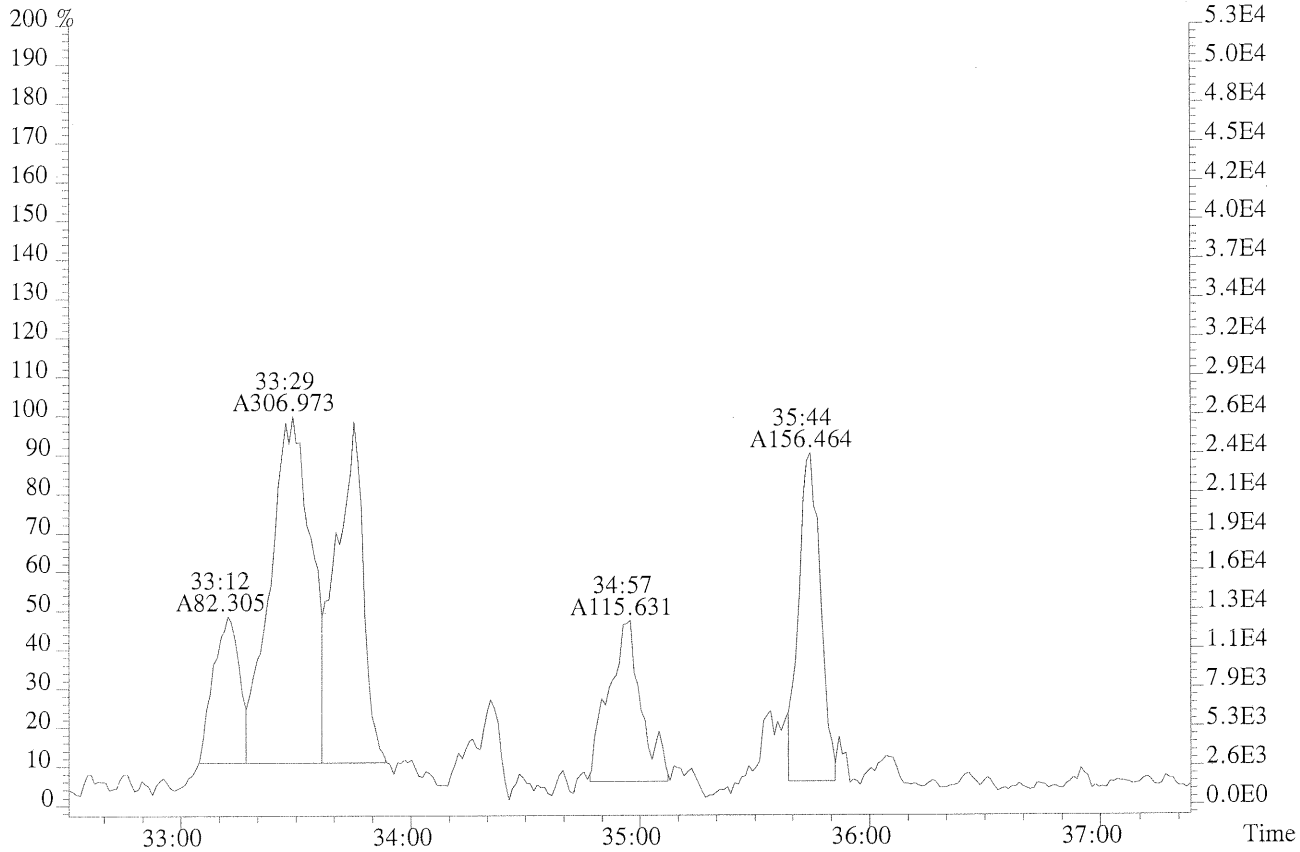
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1960.0,1.00%,F,T)



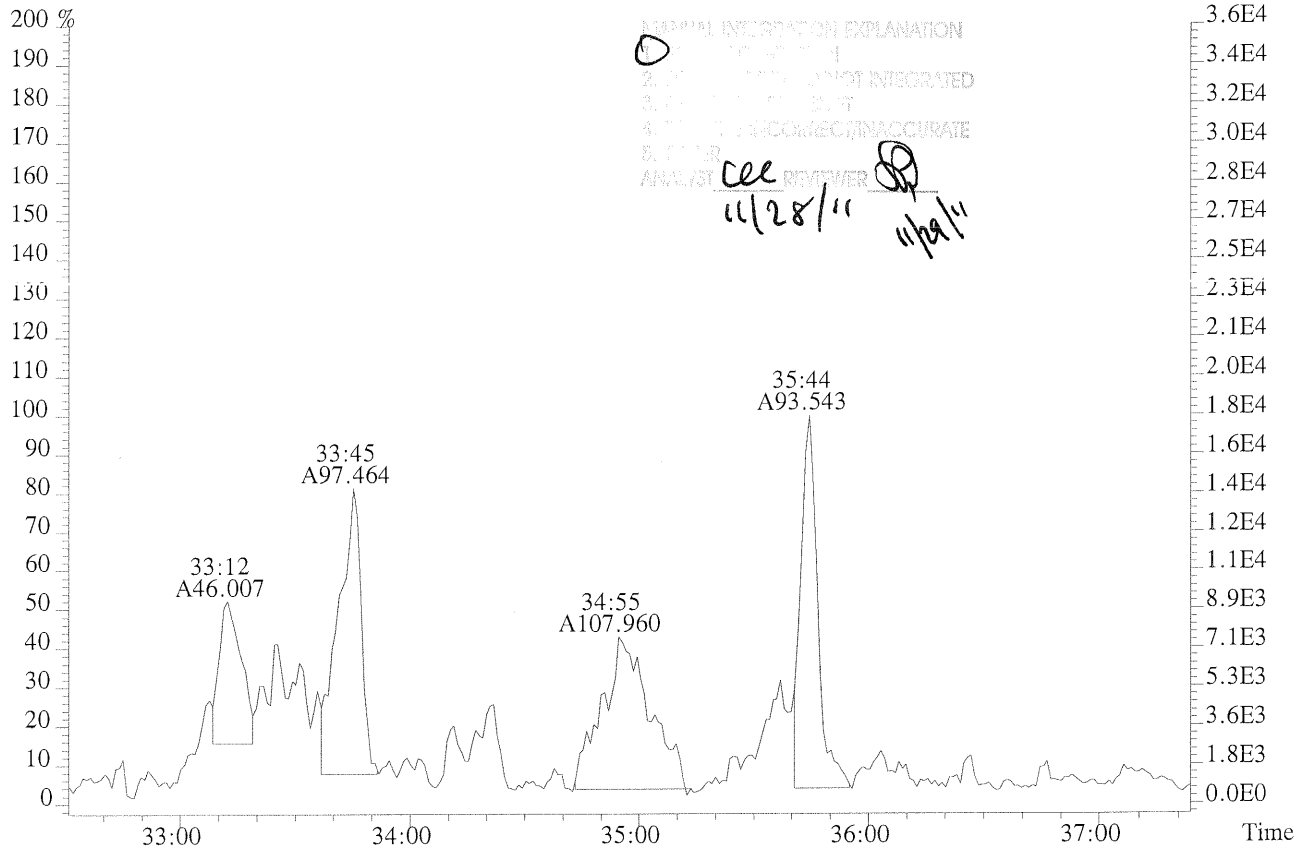
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142175 #1-312 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:EQ1100541-01 MB
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1940.0,1.00%,F,T)

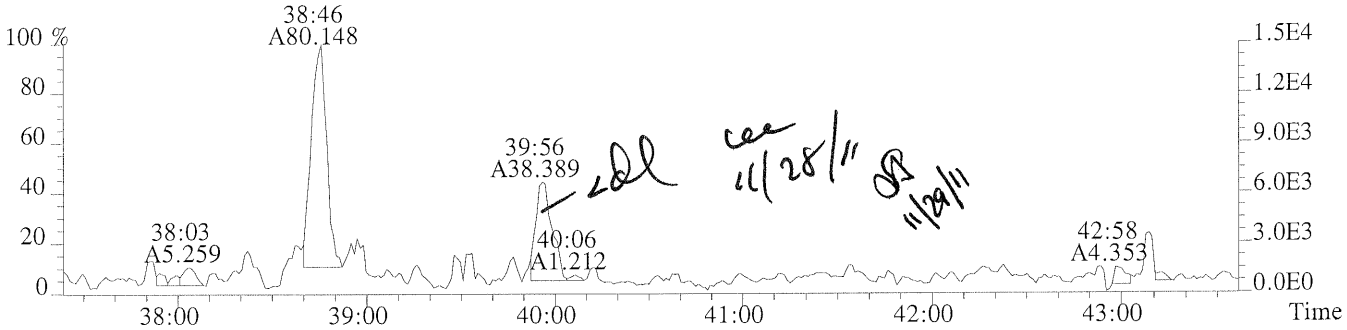


327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1408.0,1.00%,F,T)

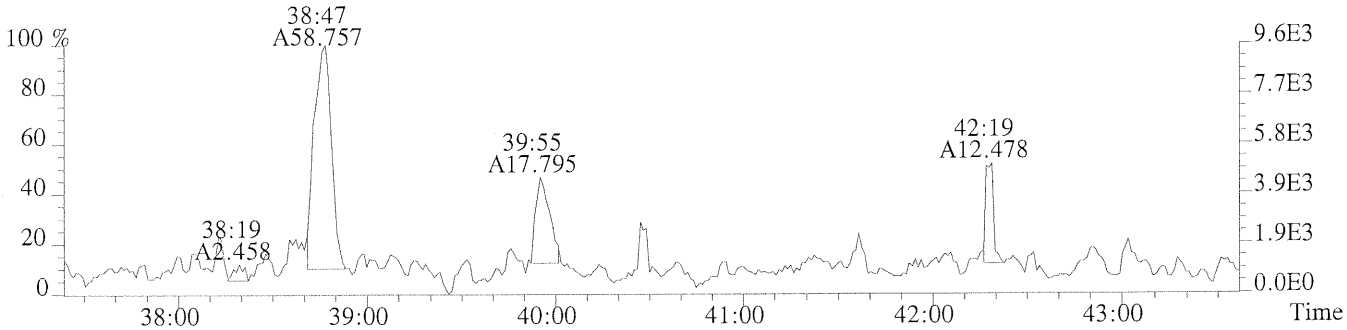


File:U142175 #1-398 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

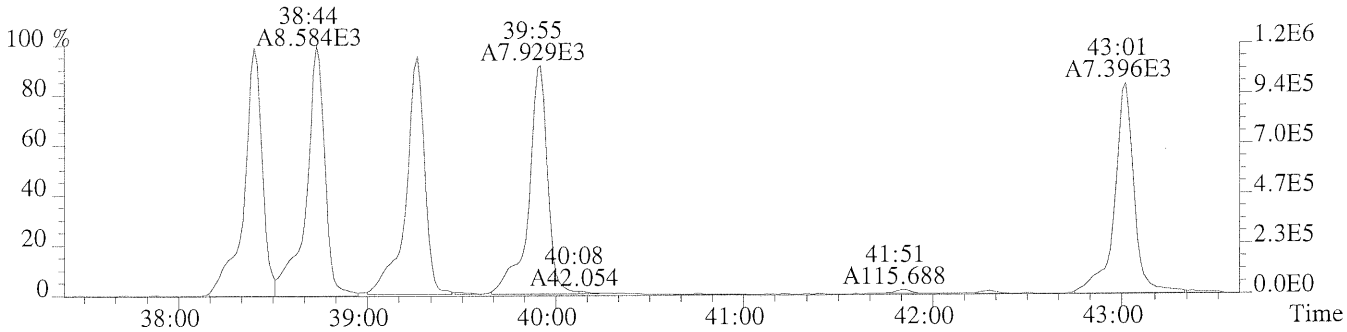
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1172.0,1.00%,F,T)



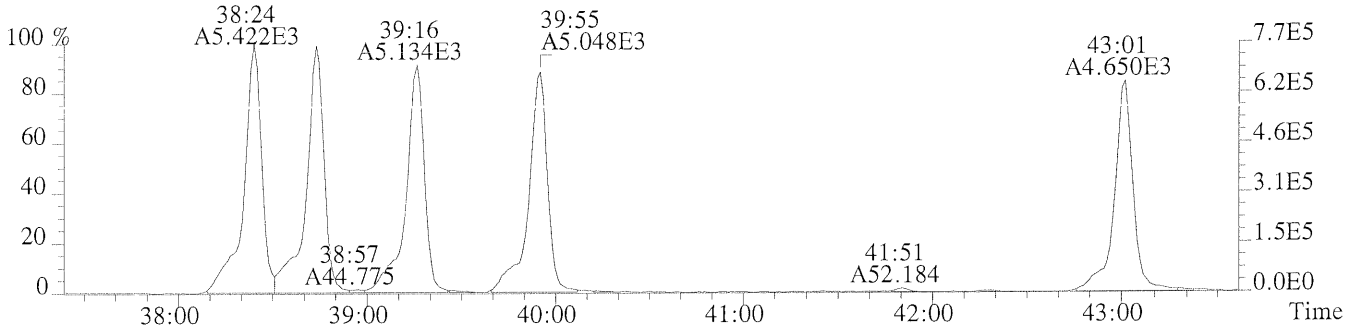
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1280.0,1.00%,F,T)



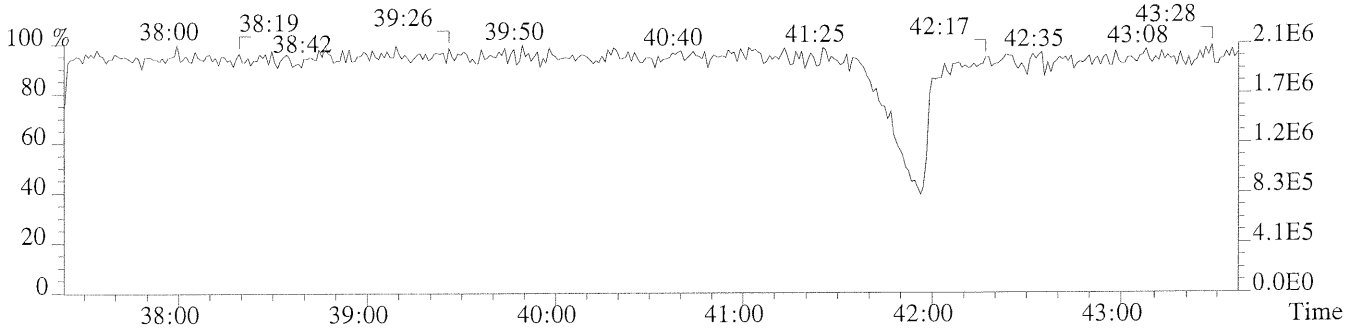
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1640.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1620.0,1.00%,F,T)

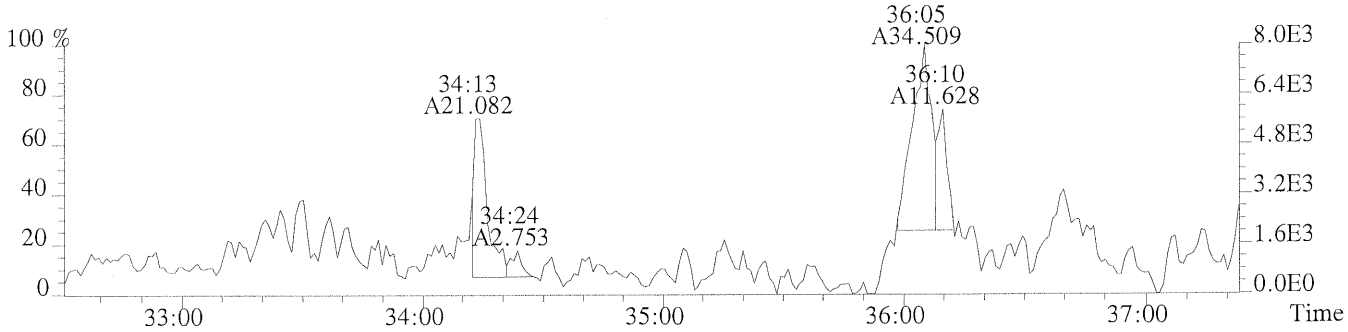


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

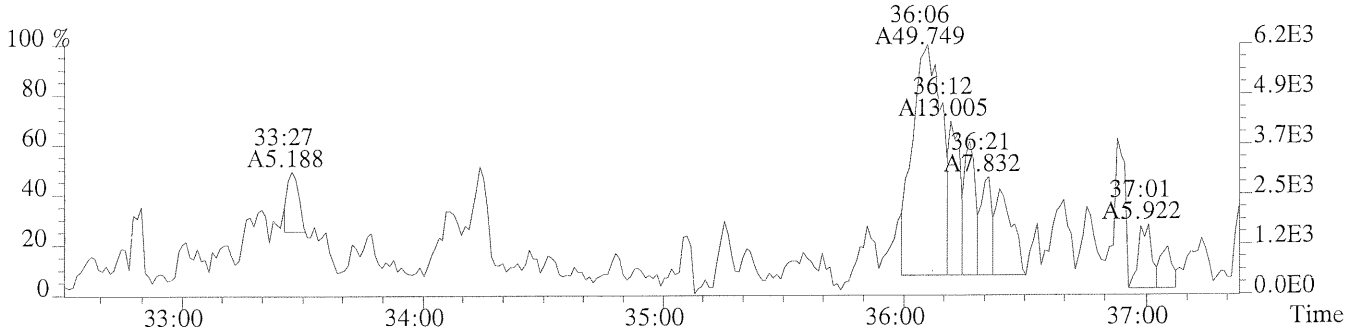


File:U142175 #1-312 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

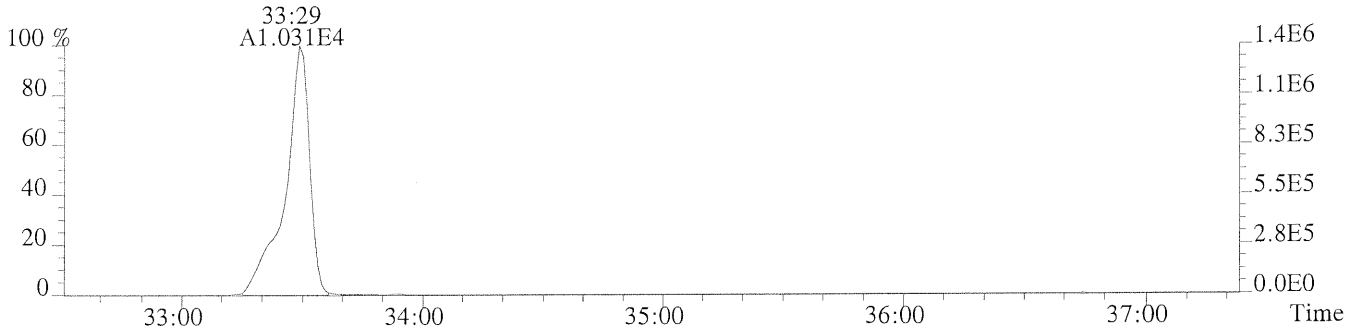
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1480.0,1.00%,F,T)



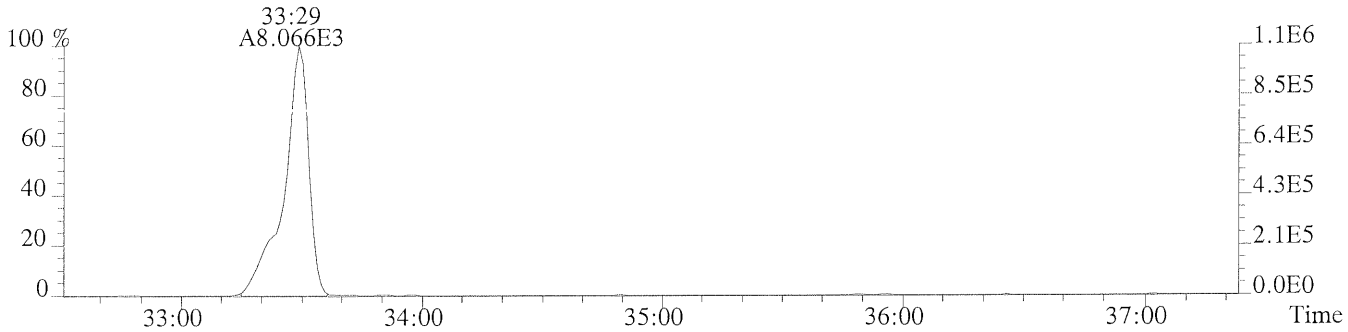
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



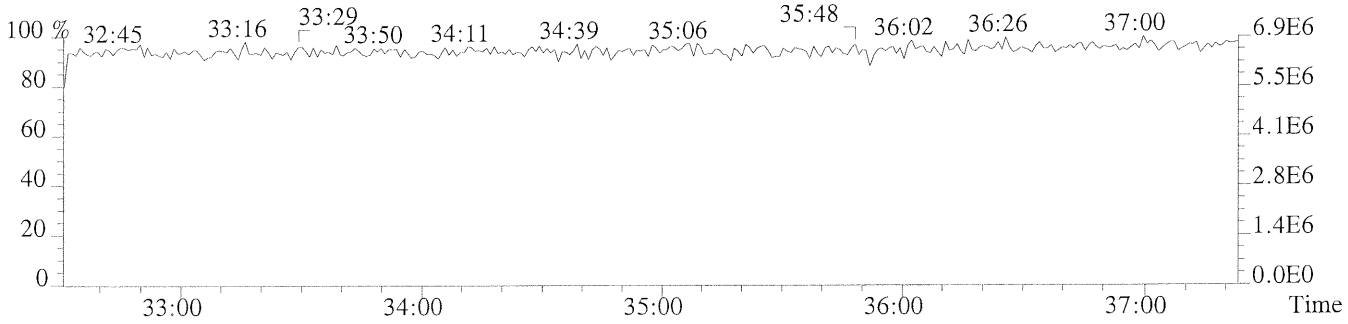
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1220.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1188.0,1.00%,F,T)

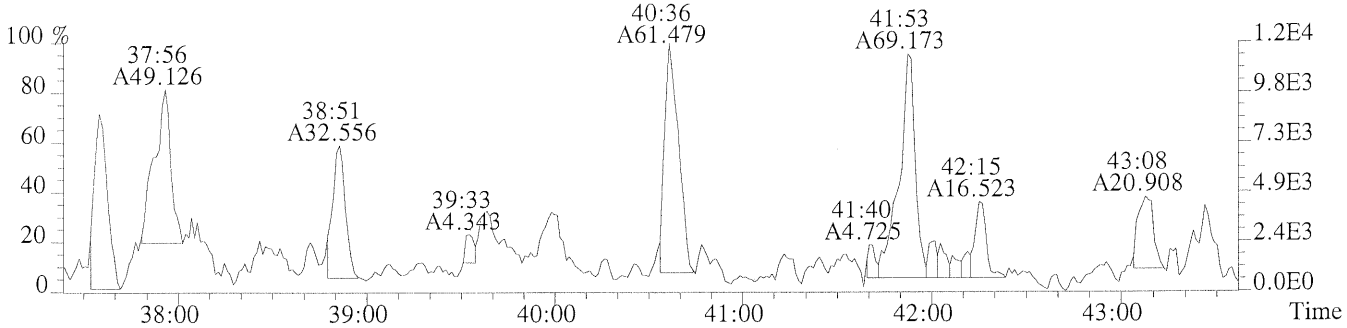


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

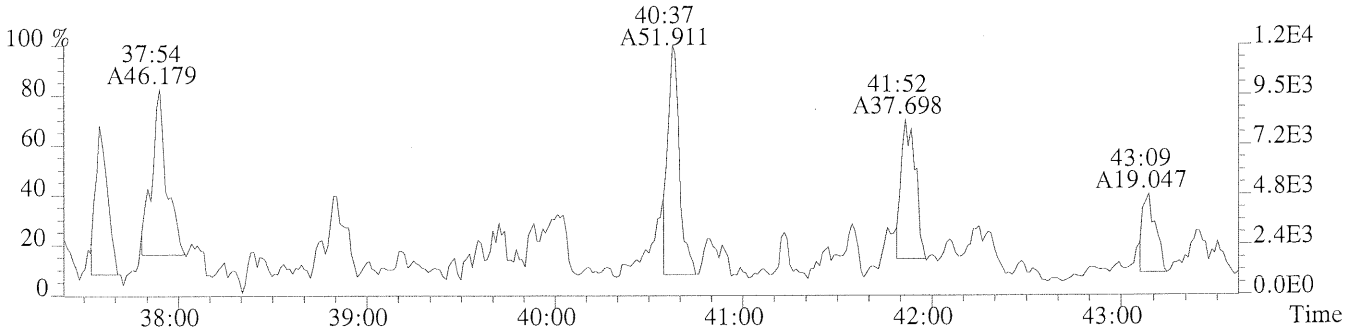


File:U142175 #1-398 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

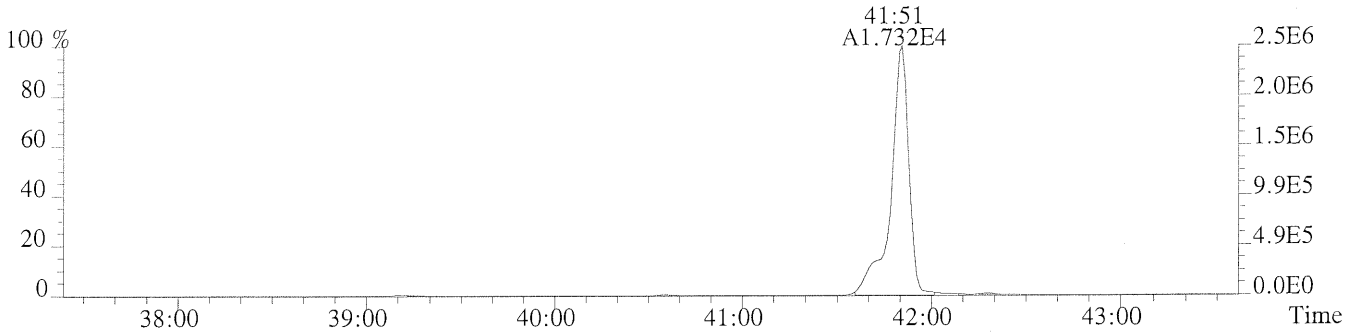
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1488.0,1.00%,F,T)



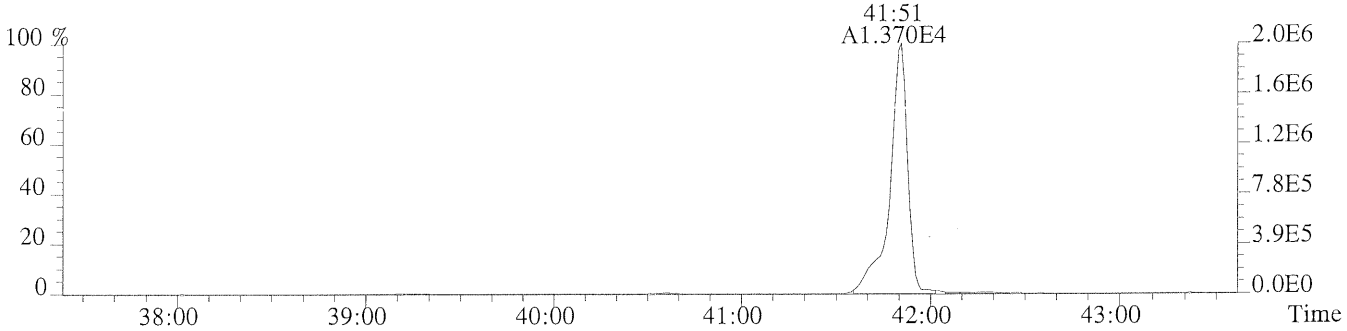
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1916.0,1.00%,F,T)



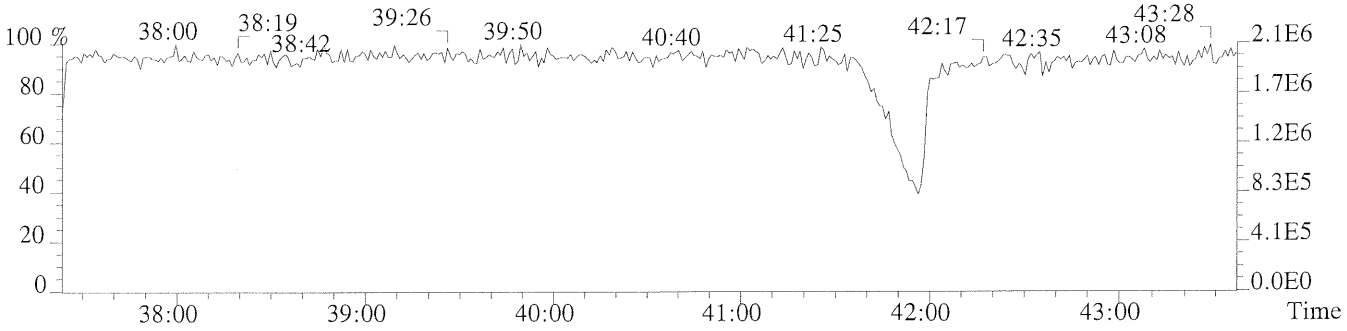
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,920.0,1.00%,F,T)



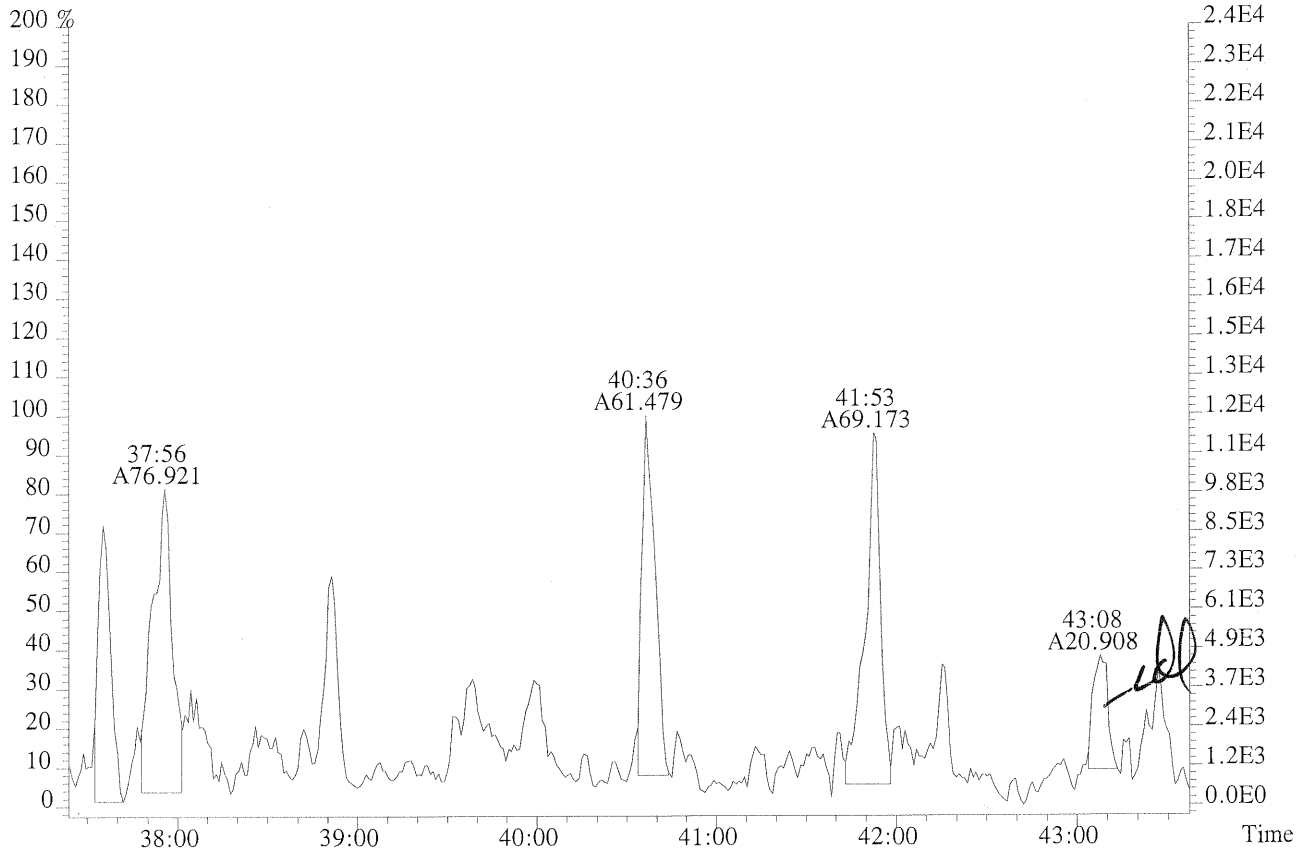
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)



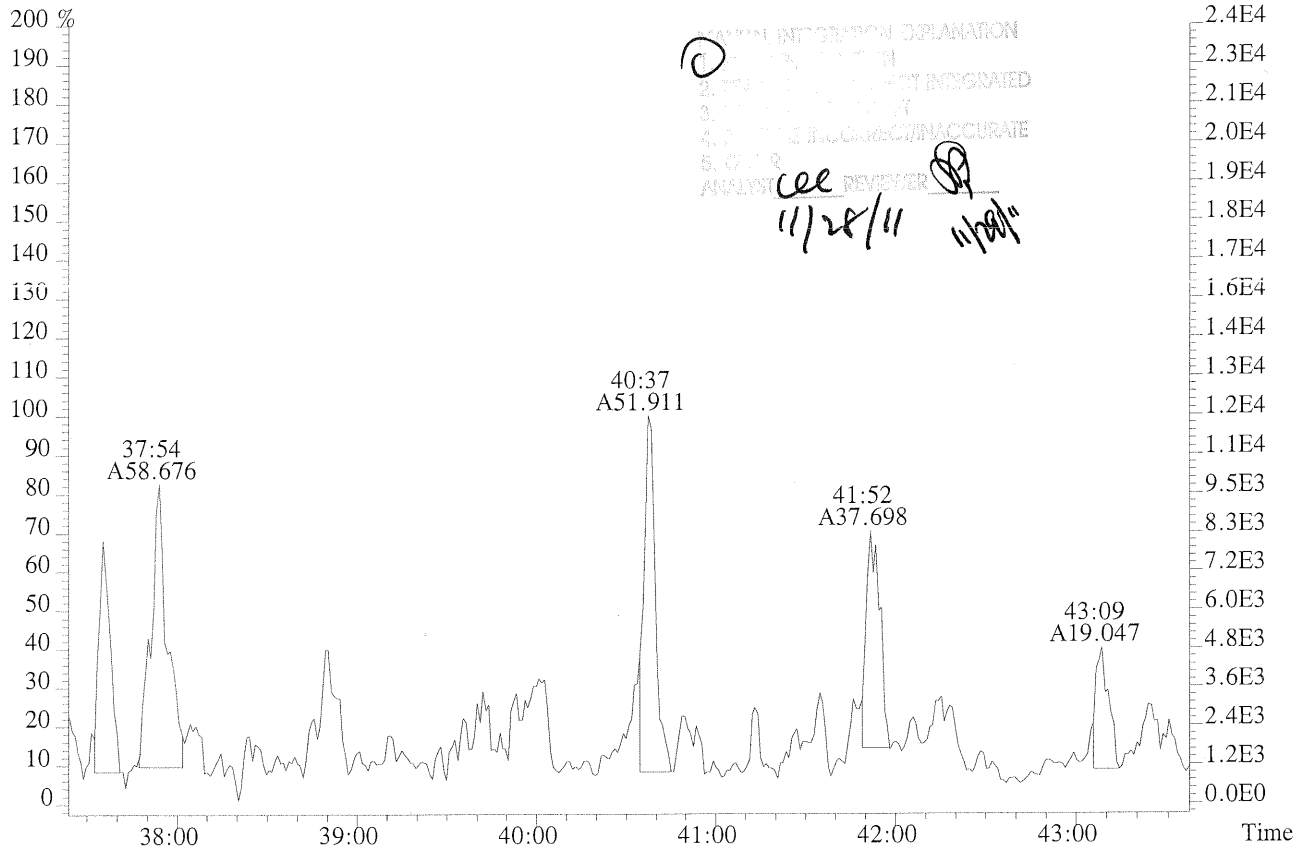
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142175 #1-398 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:EQ1100541-01 MB
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1488.0,1.00%,F,T)

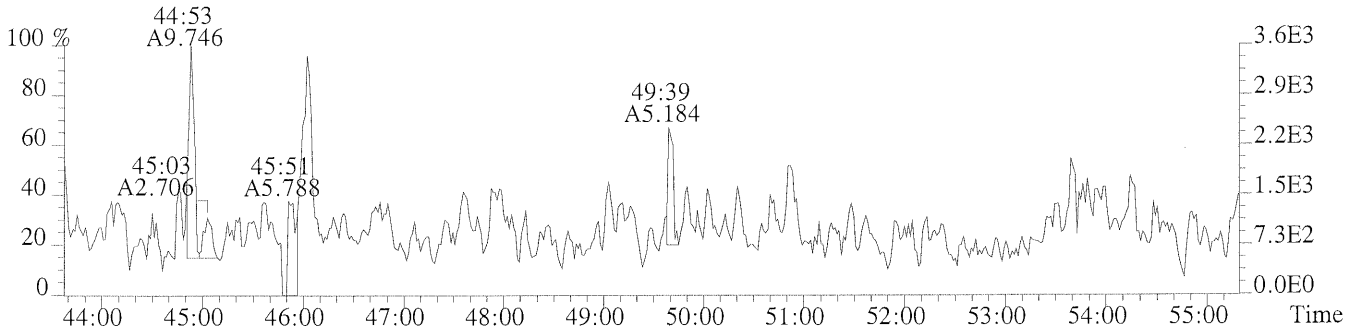


361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1916.0,1.00%,F,T)

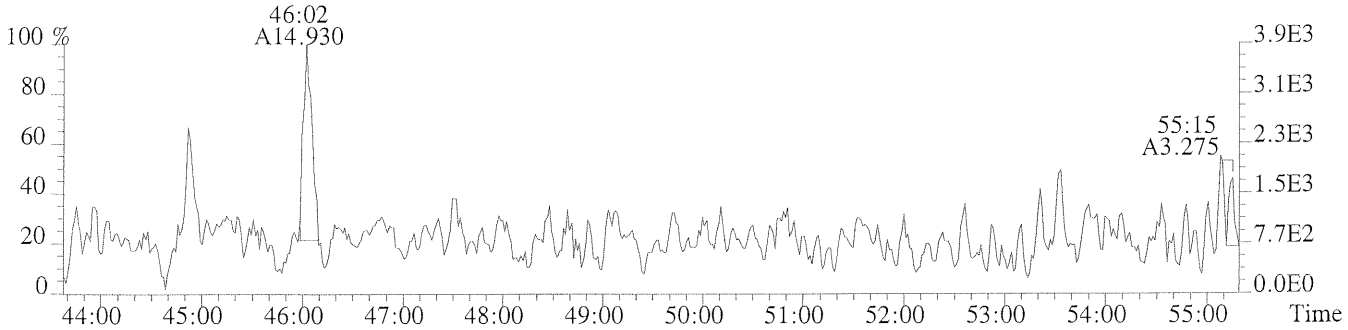


File:U142175 #1-579 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

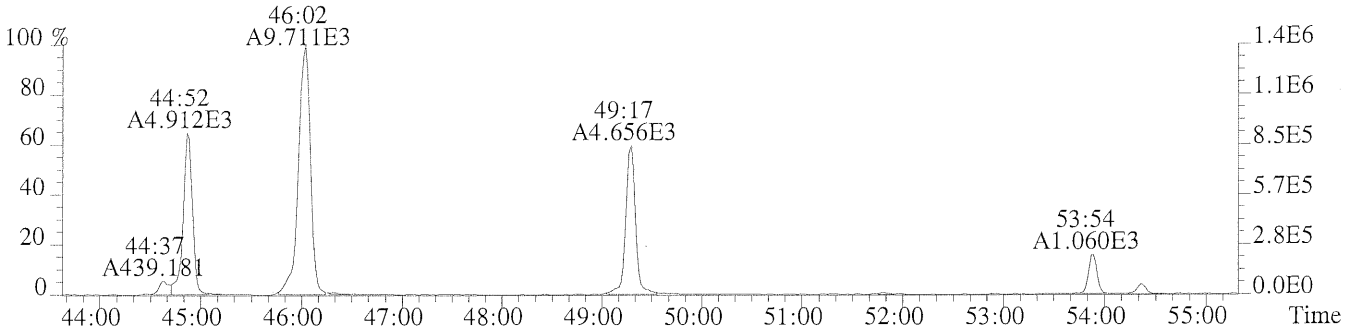
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



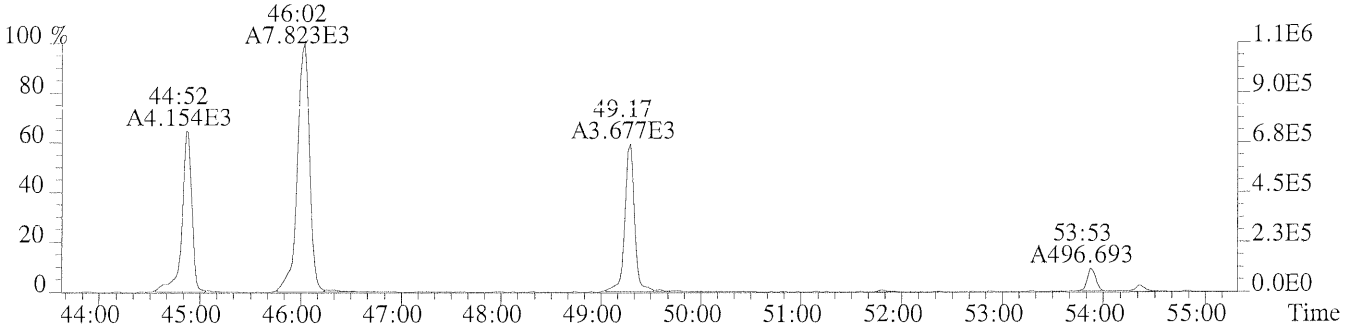
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1108.0,1.00%,F,T)



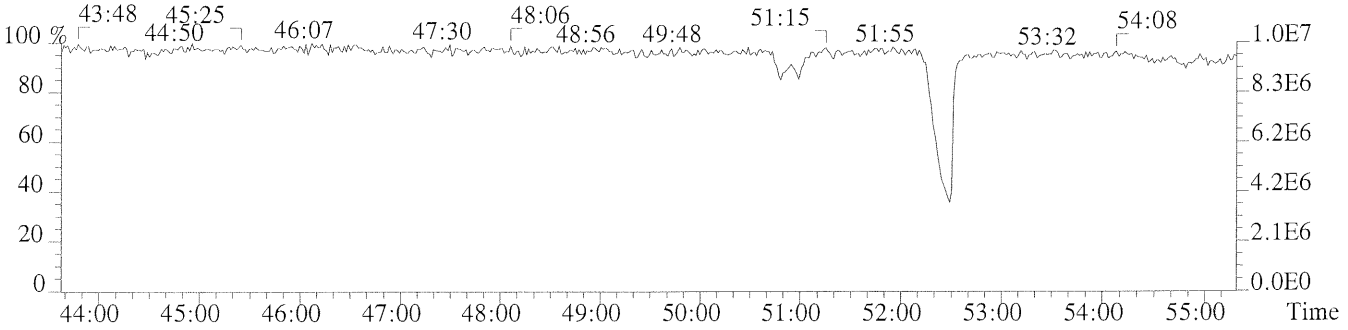
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2268.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1456.0,1.00%,F,T)

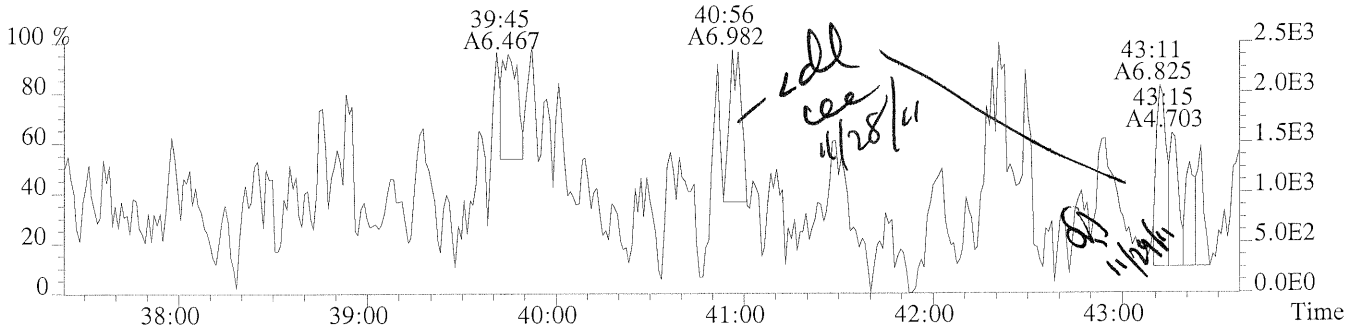


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

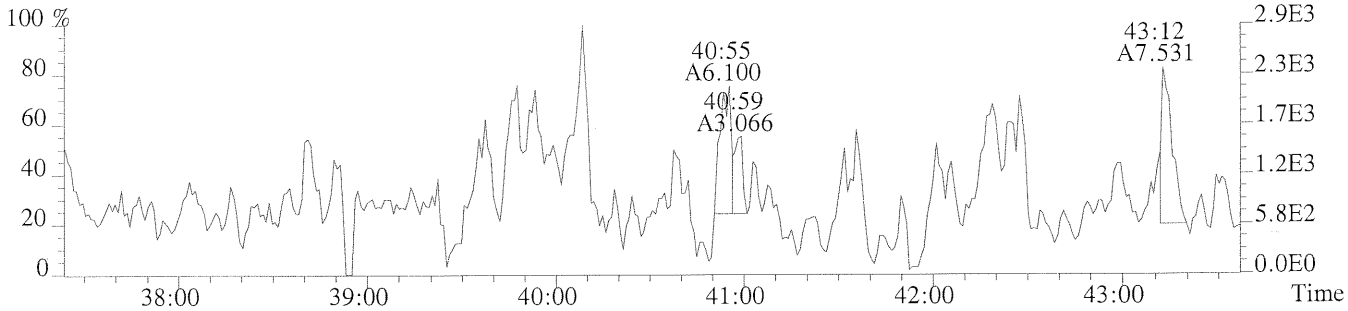


File:U142175 #1-398 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

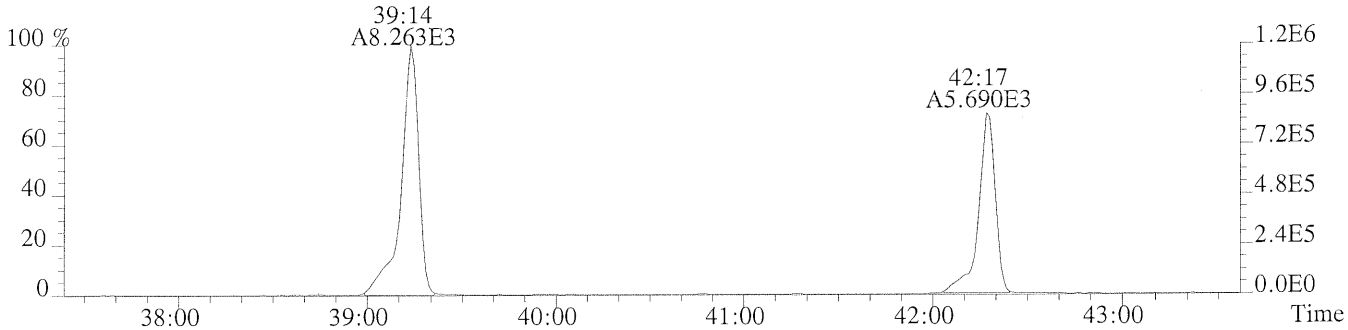
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1152.0,1.00%,F,T)



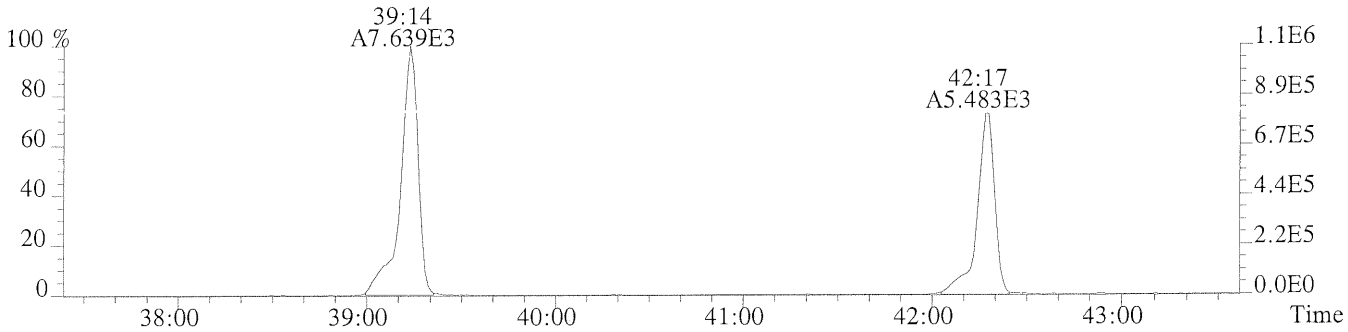
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



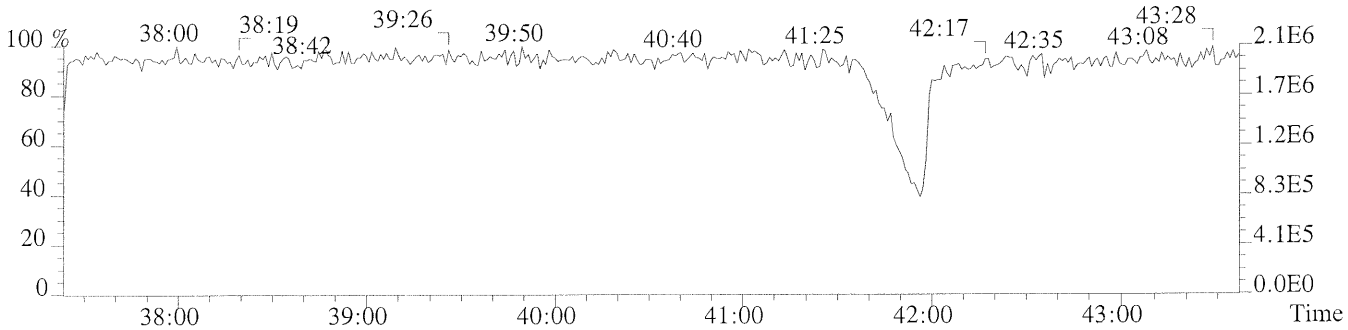
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1360.0,1.00%,F,T)



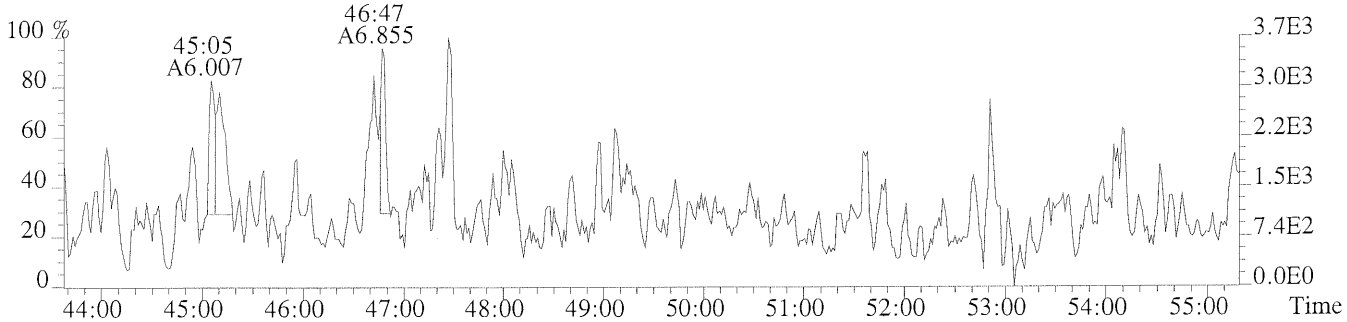
407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1016.0,1.00%,F,T)



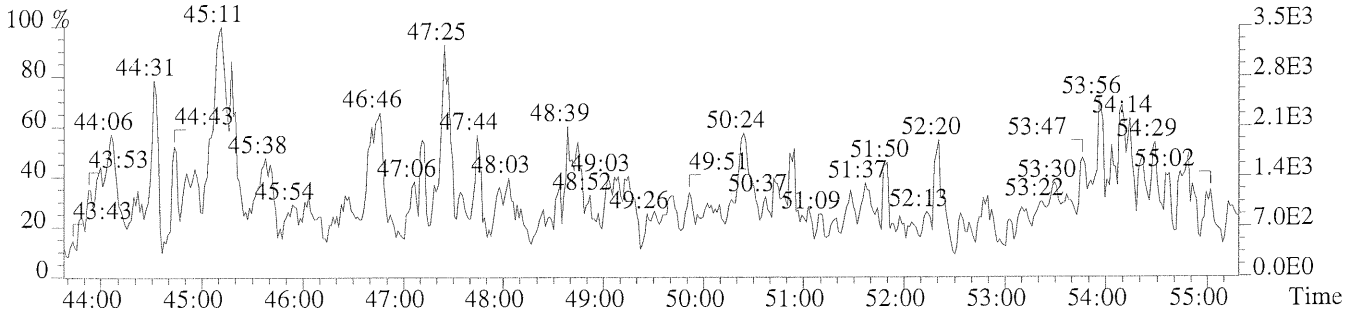
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



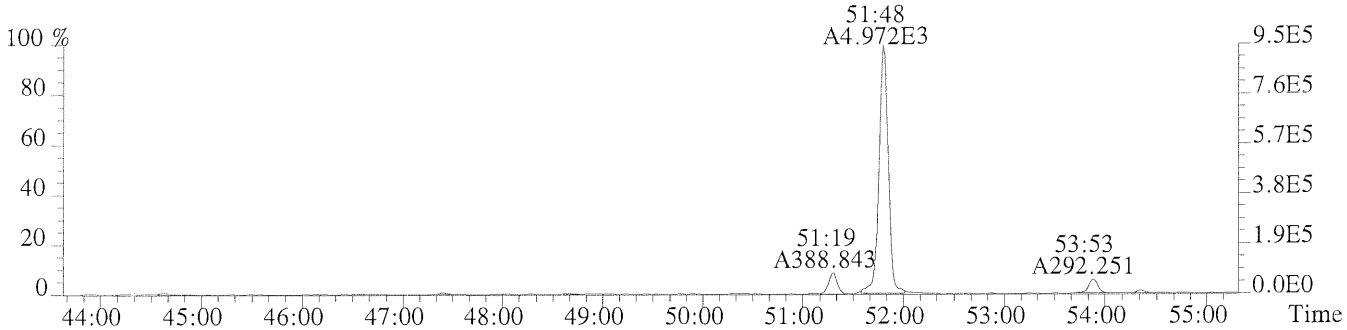
File:U142175 #1-579 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1252.0,1.00%,F,T)



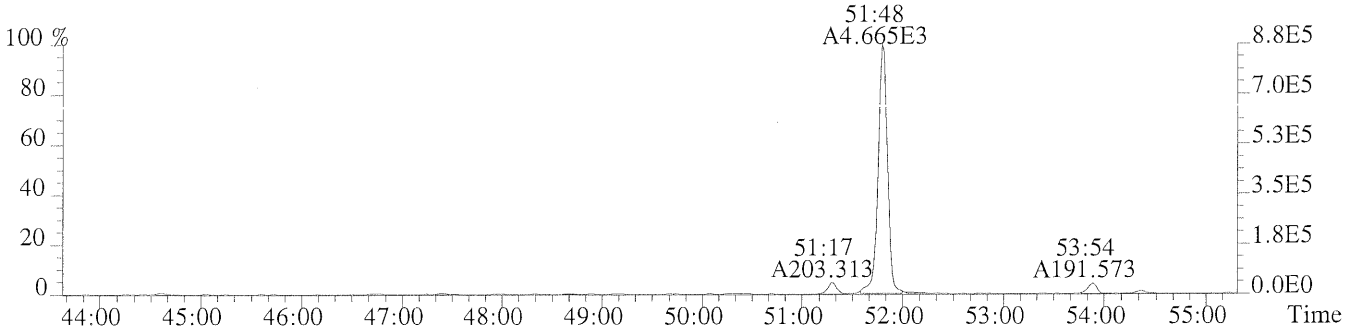
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1296.0,1.00%,F,T)



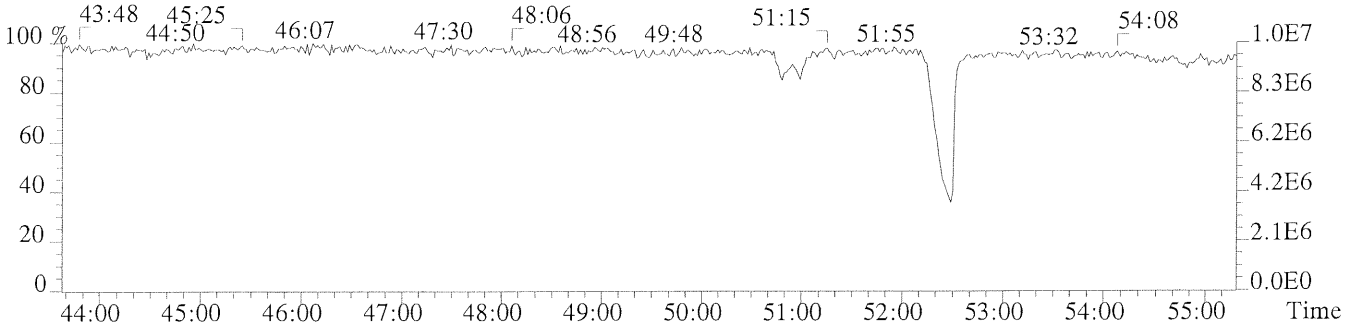
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1480.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1152.0,1.00%,F,T)

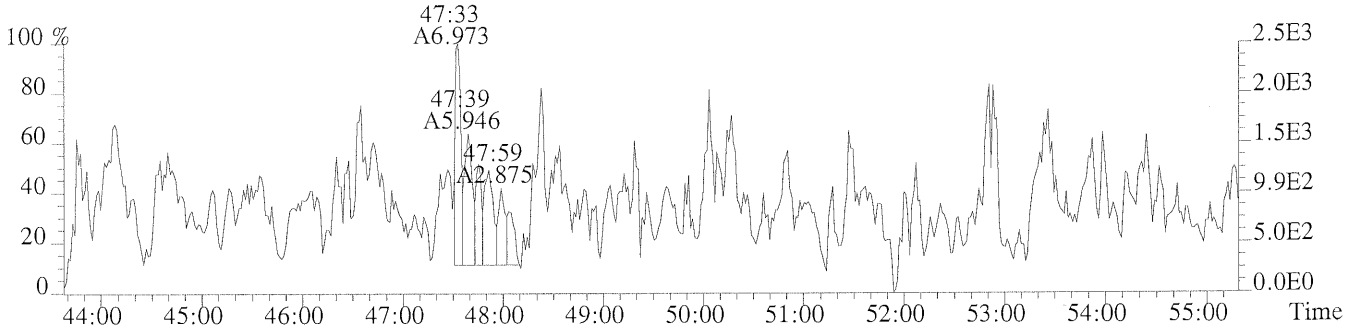


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

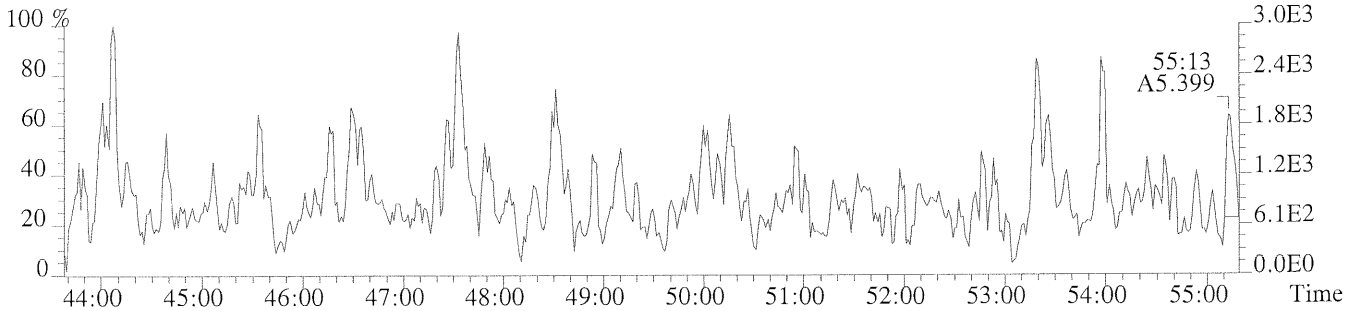


File:U142175 #1-579 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

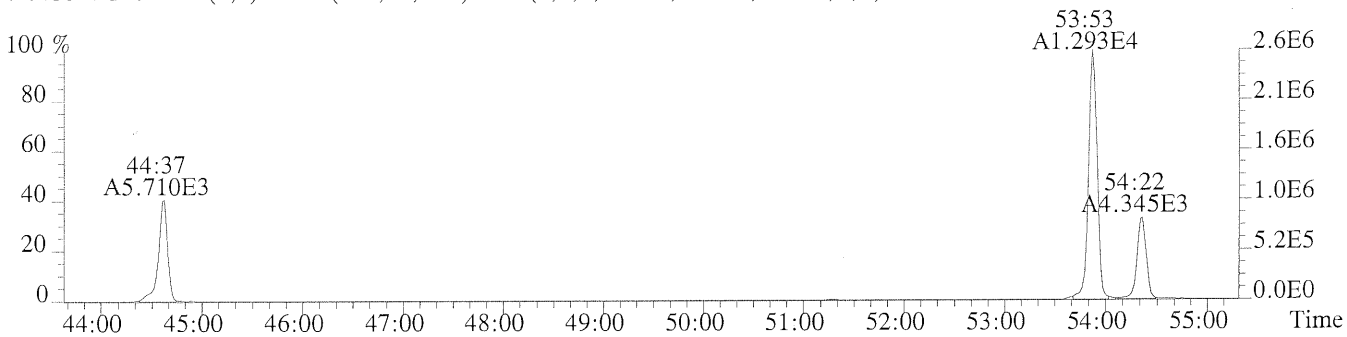
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1128.0,1.00%,F,T)



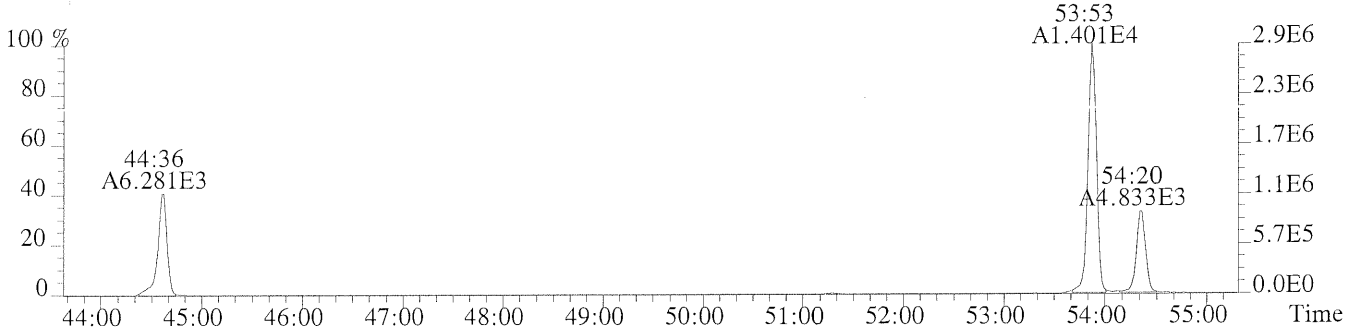
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1064.0,1.00%,F,T)



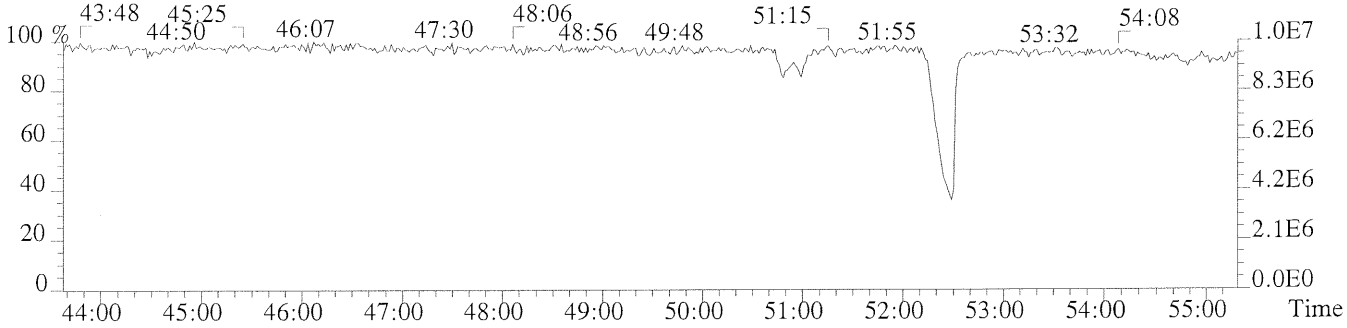
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1312.0,1.00%,F,T)



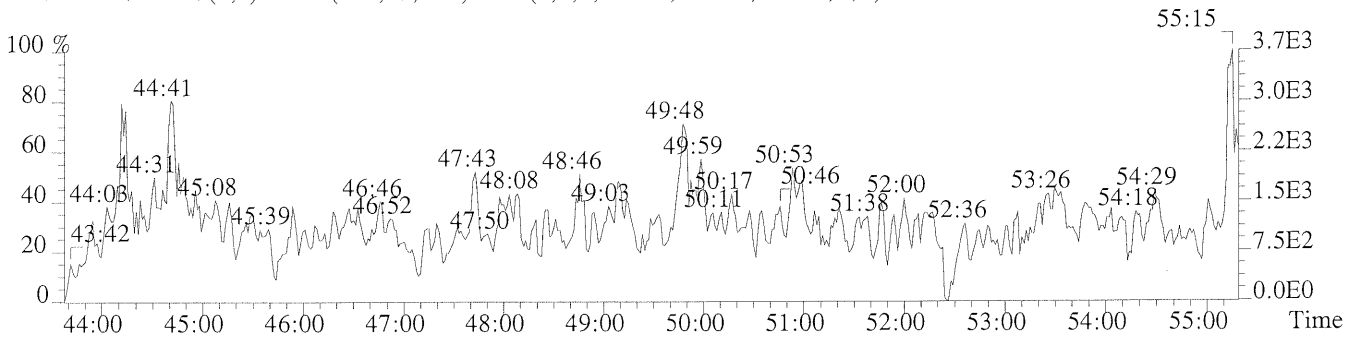
441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1840.0,1.00%,F,T)



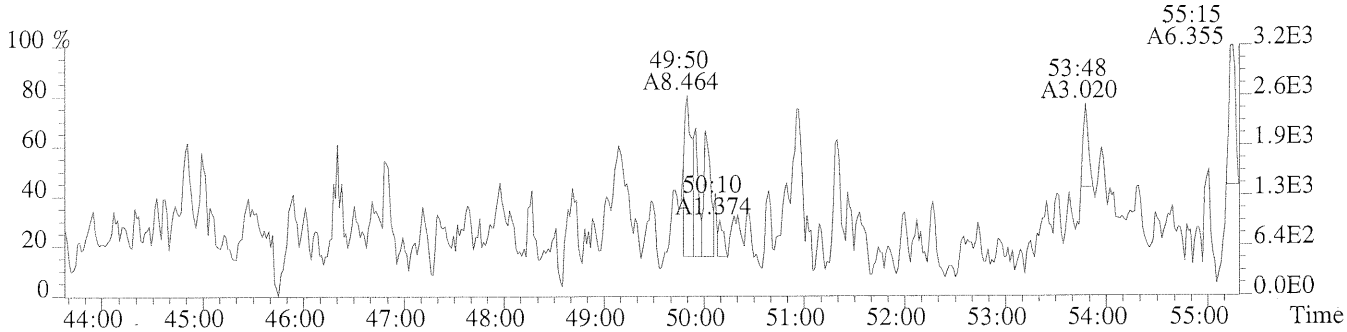
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



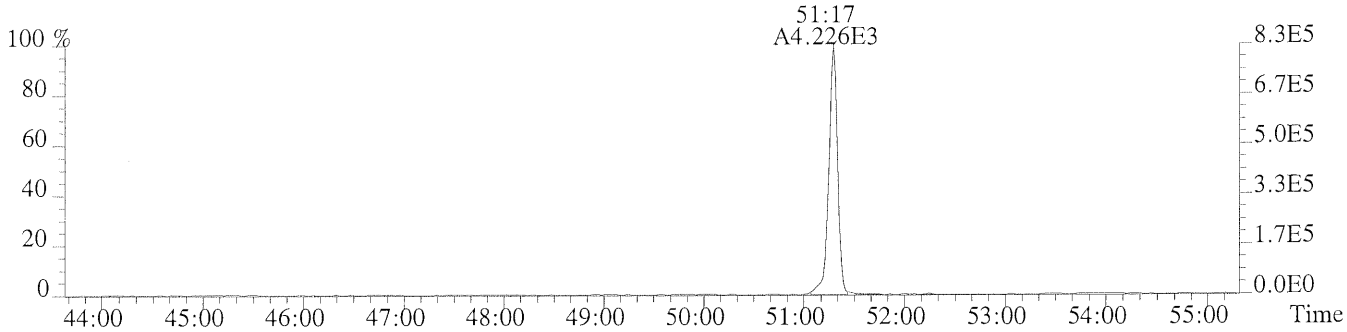
File:U142175 #1-579 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1460.0,1.00%,F,T)



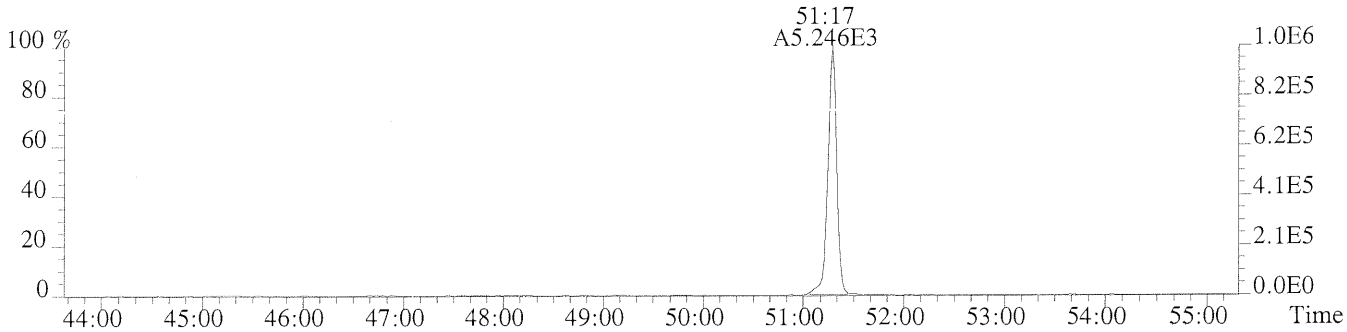
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)



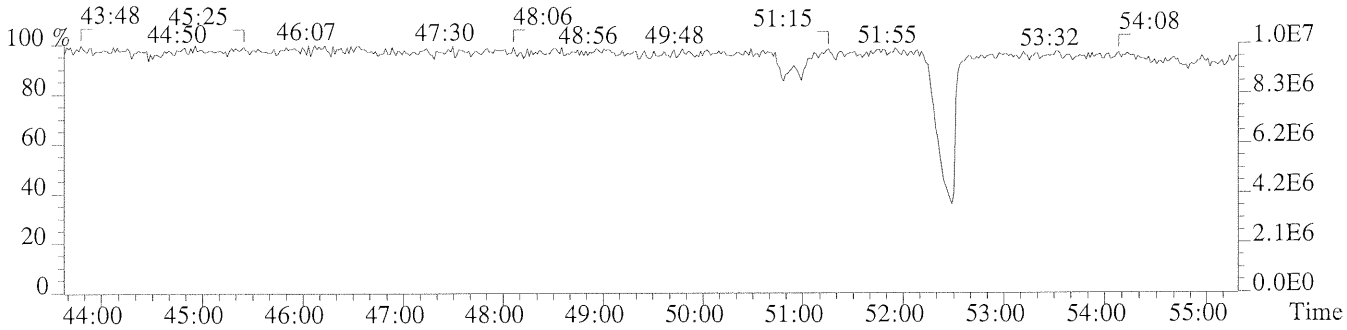
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1240.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1192.0,1.00%,F,T)

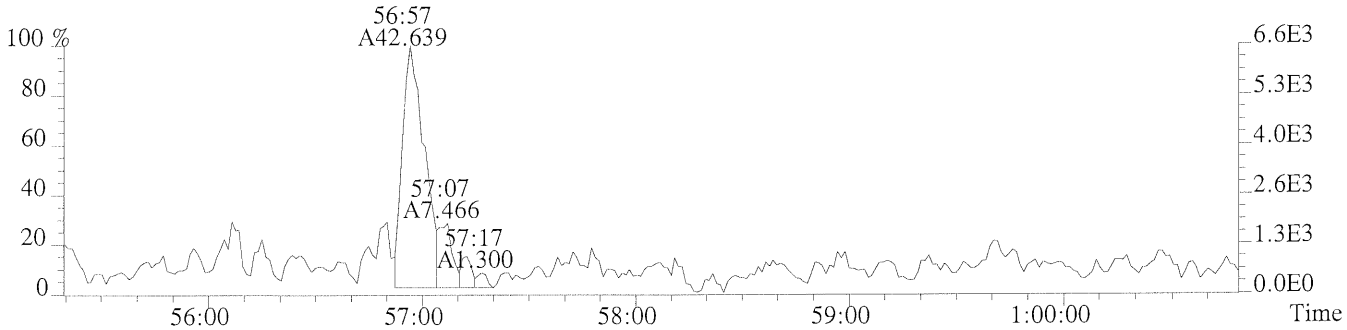


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

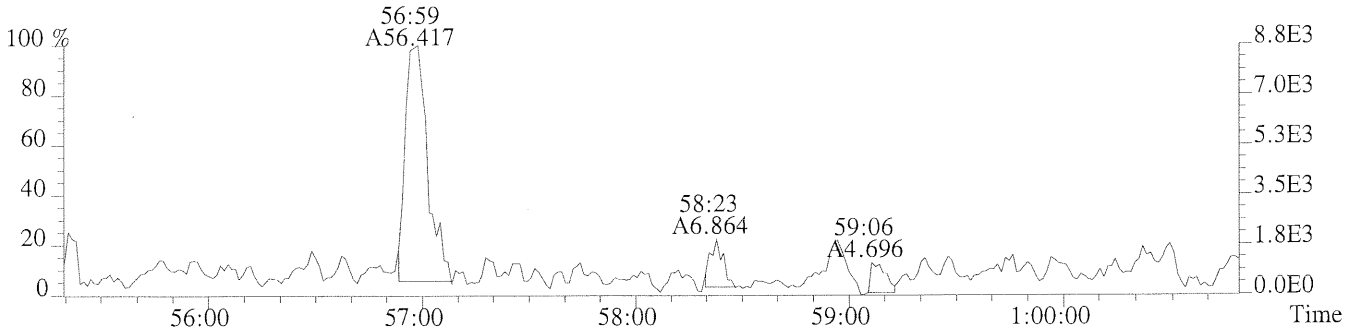


File:U142175 #1-310 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB

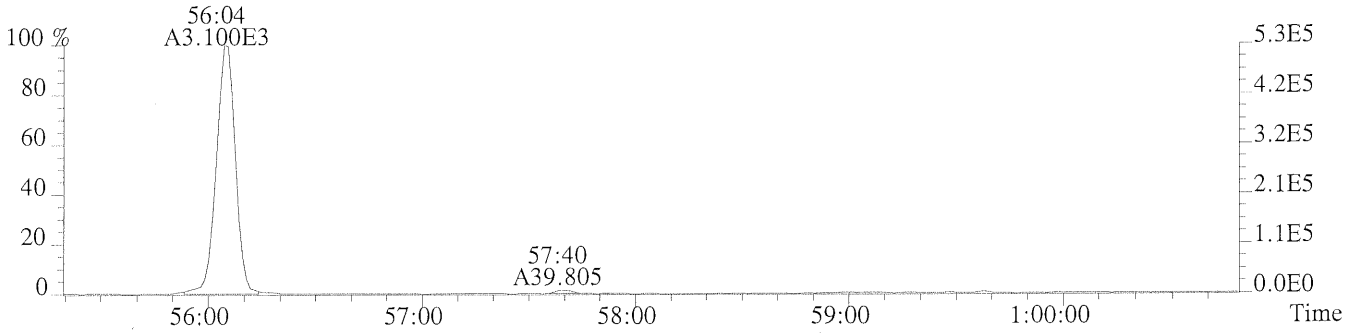
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,940.0,1.00%,F,T)



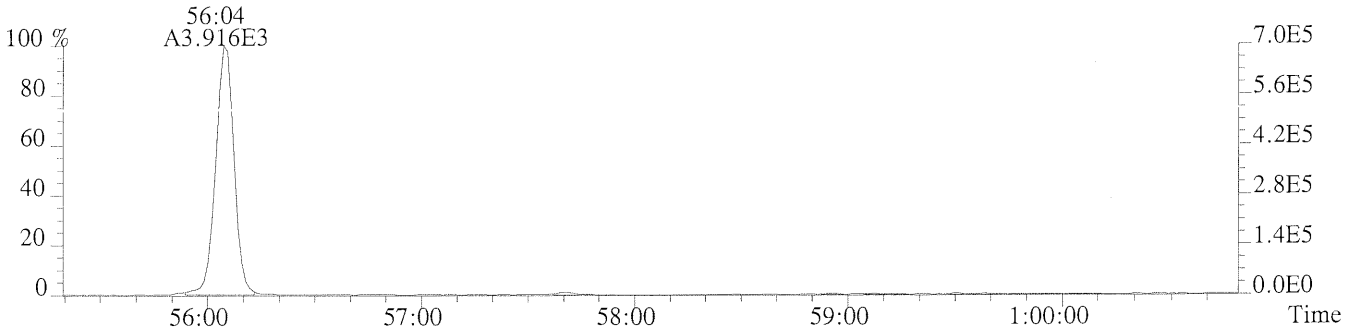
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)



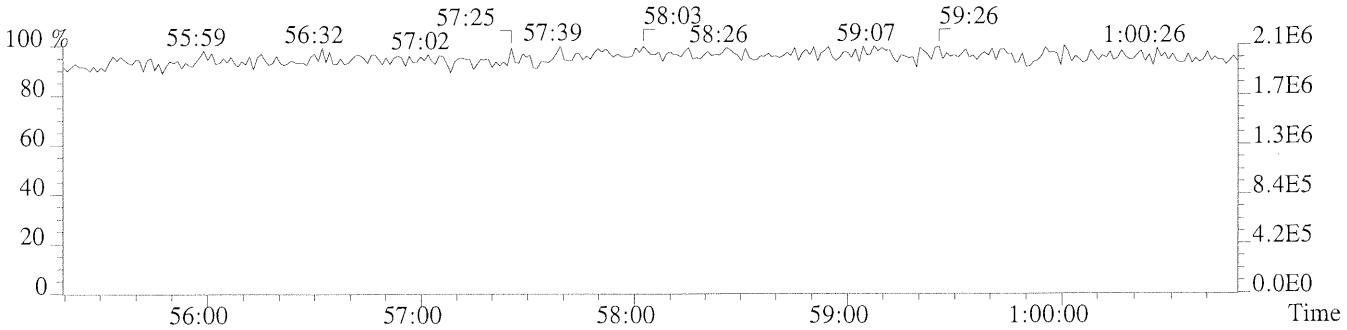
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1504.0,1.00%,F,T)



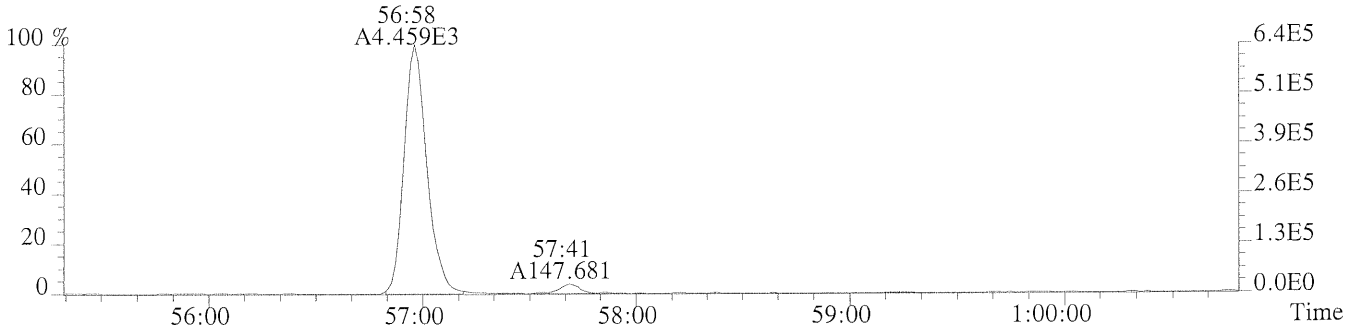
475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1484.0,1.00%,F,T)



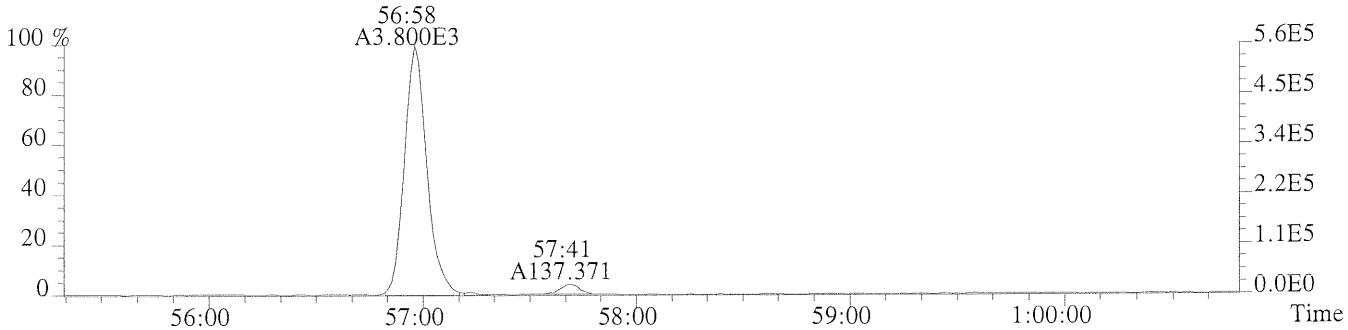
492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



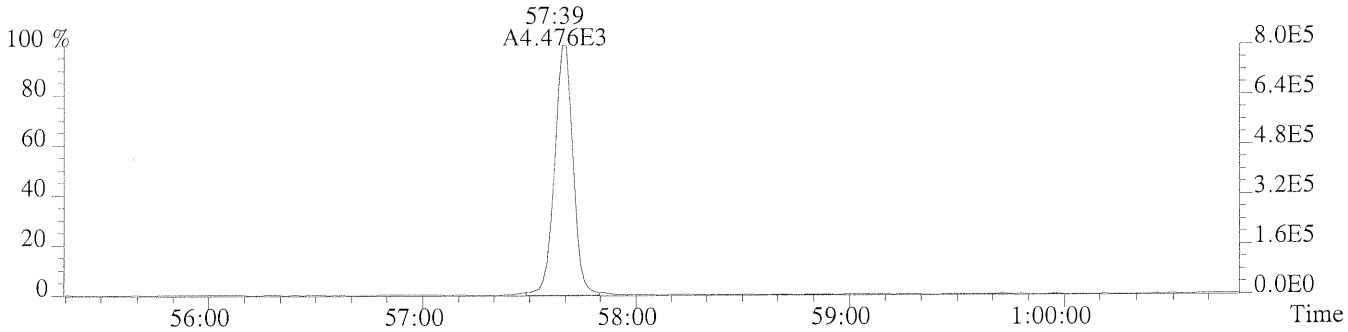
File:U142175 #1-310 Acq:26-NOV-2011 08:00:15 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-01 MB
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,704.0,1.00%,F,T)



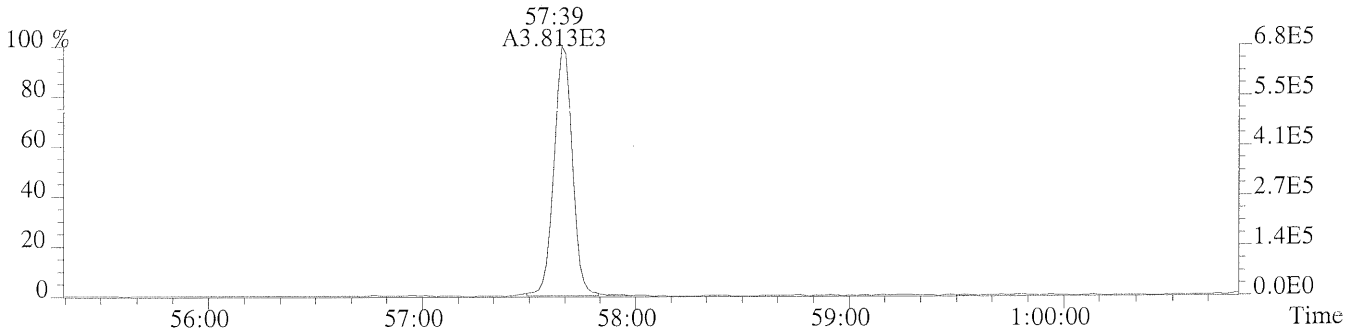
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1044.0,1.00%,F,T)



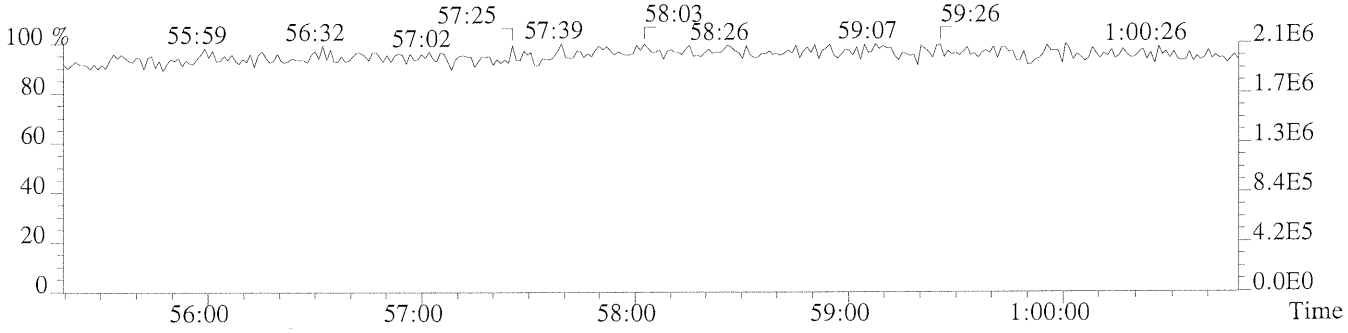
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1216.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2048.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
LCS

Run #8 Filename U142156 #1 Samp: 1 Inj: 1 Acquired: 22-NOV-11 09:22:41
Processed: 29-NOV-11 10:40:01 LAB. ID: EQ1100541-02

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRT
1	1	2-MoCB	13:22	1.073e+04	3.456e+03	3.10	yes	no	1.001
2	3	4-MoCB	15:39	1.145e+04	3.856e+03	2.97	yes	no	1.001
3	4	22'-DiCB	15:54	8.865e+03	6.008e+03	1.48	yes	no	1.001
4	15	44'-DiCB	21:58	8.000e+03	5.177e+03	1.55	yes	no	1.001
5	19	22'6'-TrCB	19:06	5.279e+03	5.182e+03	1.02	yes	no	1.001
6	37	344'-TrCB	29:06	7.279e+03	6.864e+03	1.06	yes	no	1.001
7	54	22'66'-TeCB	22:16	6.740e+03	9.199e+03	0.73	yes	no	1.001
8	81	344'5-TeCB	35:56	5.304e+03	6.964e+03	0.76	yes	no	1.001
9	77	33'44'-TeCB	36:30	5.356e+03	6.993e+03	0.77	yes	no	1.000
10	104	22'466'-PeCB	27:50	1.046e+04	6.609e+03	1.58	yes	no	1.001
11	123	2'344'5-PeCB	38:29	6.876e+03	4.358e+03	1.58	yes	yes	1.000
12	118	23'44'5-PeCB	38:48	7.067e+03	4.389e+03	1.61	yes	yes	1.000
13	114	2344'5-PeCB	39:20	6.862e+03	4.276e+03	1.60	yes	yes	1.000
14	105	233'44'-PeCB	40:00	6.458e+03	4.166e+03	1.55	yes	yes	1.000
15	126	33'44'5-PeCB	43:10	5.852e+03	3.914e+03	1.50	yes	yes	1.001
16	155	22'44'66'-HxCB	33:33	9.521e+03	7.986e+03	1.19	yes	no	1.000
17	167	23'44'55'-HxCB	44:57	4.529e+03	3.656e+03	1.24	yes	no	1.001
18	156/7	233'44'5-HxCB	46:06	8.355e+03	6.910e+03	1.21	yes	no	1.000
19	169	33'44'55'-HxCB	49:22	3.658e+03	2.977e+03	1.23	yes	no	1.000
20	188	22'34'566'-HpCB	39:19	7.864e+03	7.845e+03	1.00	yes	no	1.001
21	189	233'44'55'-HpCB	51:57	2.908e+03	2.974e+03	0.98	yes	no	1.000
22	202	22'33'55'66'-OcCB	44:41	4.476e+03	5.273e+03	0.85	yes	no	1.001
23	205	233'44'55'6-OcCB	54:29	3.098e+03	3.688e+03	0.84	yes	no	1.000
24	208	22'33'4'55'66'-NoCB	51:22	3.534e+03	4.676e+03	0.76	yes	no	1.000
25	206	22'33'44'55'6-NoCB	56:12	1.693e+03	2.220e+03	0.76	yes	no	1.000
26	209	DeCB	57:45	3.787e+03	3.193e+03	1.19	yes	no	1.001
27	1L	13C-2-MoCB	13:21	2.372e+04	7.728e+03	3.07	yes	no	0.744
28	3L	13C-4-MoCB	15:38	2.625e+04	8.230e+03	3.19	yes	no	0.872
29	4L	13C-22'-DiCB	15:53	1.700e+04	1.132e+04	1.50	yes	no	0.886
30	15L	13C-44'-DiCB	21:57	1.782e+04	1.170e+04	1.52	yes	no	1.224
31	19L	13C-22'6'-TrCB	19:05	1.180e+04	1.137e+04	1.04	yes	no	1.064
32	37L	13C-344'-TrCB	29:05	1.498e+04	1.461e+04	1.03	yes	no	1.083
33	54L	13C-22'66'-TeCB	22:14	1.376e+04	1.750e+04	0.79	yes	no	0.828
34	81L	13C-344'5-TeCB	35:54	1.120e+04	1.441e+04	0.78	yes	no	1.336
35	77L	13C-33'44'-TeCB	36:29	1.211e+04	1.523e+04	0.79	yes	no	1.358
36	104L	13C-22'466'-PeCB	27:49	2.111e+04	1.361e+04	1.55	yes	no	0.823
37	123L	13C-2'344'5-PeCB	38:28	1.402e+04	9.191e+03	1.53	yes	no	1.139
38	118L	13C-23'44'5-PeCB	38:48	1.452e+04	9.314e+03	1.56	yes	no	1.148
39	114L	13C-2344'5-PeCB	39:19	1.417e+04	9.199e+03	1.54	yes	no	1.164
40	105L	13C-233'44'-PeCB	39:59	1.391e+04	8.918e+03	1.56	yes	no	1.184
41	126L	13C-33'44'5-PeCB	43:08	1.256e+04	8.107e+03	1.55	yes	no	1.277
42	155L	13C-22'44'66'-HxCB	33:32	2.028e+04	1.628e+04	1.25	yes	no	0.800
43	167L	13C-23'44'55'-HxCB	44:55	9.606e+03	7.567e+03	1.27	yes	no	1.072
44	156/7	13C-233'44'5'-HxCB	46:05	1.824e+04	1.443e+04	1.26	yes	no	1.099
45	169L	13C-33'44'55'-HxCB	49:21	8.213e+03	6.439e+03	1.28	yes	no	1.177
46	188L	13C-22'34'566'-HpCB	39:17	1.763e+04	1.652e+04	1.07	yes	no	0.726
47	189L	13C-233'44'55'-HpCB	51:56	6.477e+03	6.147e+03	1.05	yes	no	0.960
48	202L	13C-22'33'55'66'-OcCB	44:38	1.071e+04	1.215e+04	0.88	yes	no	0.825
49	205L	13C-233'44'55'6-OcCB	54:28	6.631e+03	7.270e+03	0.91	yes	no	1.007
50	208L	13C-22'33'4'55'66'-NoCB	51:21	8.107e+03	1.025e+04	0.79	yes	no	0.949
51	206L	13C-22'33'44'55'6-NoCB	56:11	3.966e+03	4.932e+03	0.80	yes	no	1.039
52	209L	13C-DeCB	57:43	7.103e+03	5.916e+03	1.20	yes	no	1.067

28L	13C-244'-TrCB	25:01	1.886e+04	1.842e+04	1.02	yes	no	0.931
111L	13C-233'55'-PeCB	36:30	2.288e+04	1.474e+04	1.55	yes	no	1.080
178L	13C-22'33'55'6-HpCB	42:22	1.256e+04	1.199e+04	1.05	yes	no	1.011
9L	13C-2,5-DiCB	17:56	3.036e+04	1.973e+04	1.54	yes	no	*
52L	13C-22'55'-TeCB	26:52	2.180e+04	2.832e+04	0.77	yes	no	*
101L	13C-22'4'55'-PeCB	33:47	2.862e+04	1.845e+04	1.55	yes	no	*
138L	13C-22'3'44'5'-HxCB	41:55	2.140e+04	1.707e+04	1.25	yes	no	*
194L	13C-22'33'44'55'-OcCB	54:05	9.078e+03	9.993e+03	0.91	yes	no	*

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
LCS

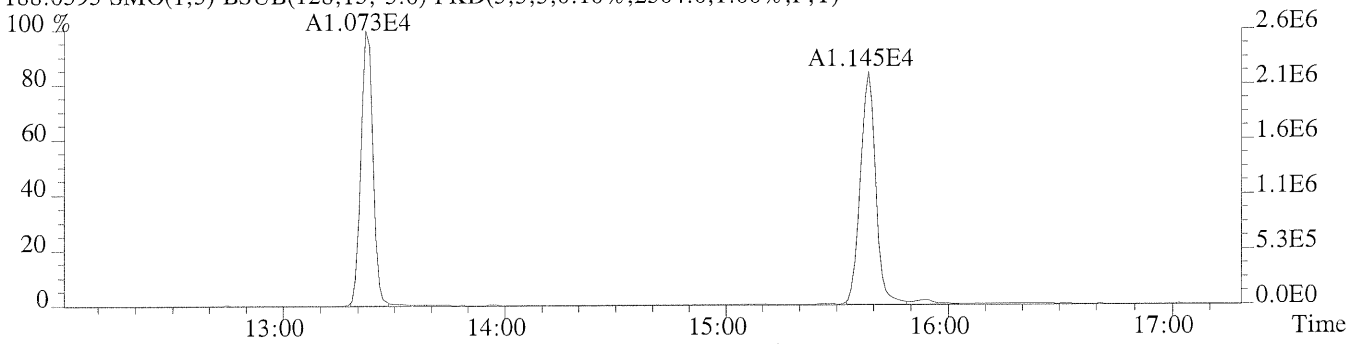
Run #8 Filename U142156 Samp: 1 Inj: 1 Acquired: 22-NOV-11 09:22:41
Processed: 29-NOV-11 10:40:011 LAB. ID: EQ1100541-02

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2-MoCB	2.65e+06	2.50e+03	1.1e+03	8.72e+05	1.61e+03	5.4e+02
2	4-MoCB	2.24e+06	2.50e+03	9.0e+02	7.46e+05	1.61e+03	4.6e+02
3	22'-DiCB	1.82e+06	1.32e+03	1.4e+03	1.23e+06	9.47e+03	1.3e+02
4	44'-DiCB	1.37e+06	1.35e+03	1.0e+03	9.07e+05	1.12e+04	8.1e+01
5	22'6'-TrCB	1.04e+06	1.95e+03	5.3e+02	1.04e+06	1.20e+03	8.6e+02
6	344'-TrCB	1.09e+06	1.53e+03	7.1e+02	1.06e+06	1.83e+03	5.8e+02
7	22'66'-TeCB	1.20e+06	4.48e+03	2.7e+02	1.65e+06	1.67e+03	9.9e+02
8	344'5-TeCB	8.16e+05	2.27e+03	3.6e+02	1.07e+06	1.88e+03	5.7e+02
9	33'44'-TeCB	8.38e+05	2.27e+03	3.7e+02	1.05e+06	1.88e+03	5.6e+02
10	22'466'-PeCB	1.66e+06	6.88e+02	2.4e+03	1.06e+06	7.20e+02	1.5e+03
11	2'344'5-PeCB	1.14e+06	1.34e+03	8.5e+02	7.28e+05	1.30e+03	5.6e+02
12	23'44'5-PeCB	1.18e+06	1.34e+03	8.8e+02	7.07e+05	1.30e+03	5.4e+02
13	2344'5-PeCB	1.10e+06	1.34e+03	8.2e+02	6.85e+05	1.30e+03	5.3e+02
14	233'44'-PeCB	1.04e+06	1.34e+03	7.8e+02	6.67e+05	1.30e+03	5.1e+02
15	33'44'5-PeCB	8.93e+05	1.34e+03	6.7e+02	5.77e+05	1.30e+03	4.4e+02
16	22'44'66'-HxCB	1.54e+06	2.62e+03	5.9e+02	1.30e+06	1.50e+03	8.6e+02
17	23'44'55'-HxCB	9.20e+05	1.58e+03	5.8e+02	7.45e+05	1.61e+03	4.6e+02
18	233'44'5-HxCB	1.28e+06	1.58e+03	8.1e+02	1.07e+06	1.61e+03	6.7e+02
19	33'44'55'-HxCB	6.99e+05	1.58e+03	4.4e+02	5.68e+05	1.61e+03	3.5e+02
20	22'34'566'-HpCB	1.27e+06	1.43e+03	8.9e+02	1.30e+06	1.38e+03	9.4e+02
21	233'44'55'-HpCB	5.85e+05	1.09e+03	5.4e+02	6.10e+05	7.80e+02	7.8e+02
22	22'33'55'66'-OcCB	8.98e+05	8.32e+02	1.1e+03	1.08e+06	1.38e+03	7.8e+02
23	233'44'55'6-OcCB	7.38e+05	8.32e+02	8.9e+02	8.63e+05	1.38e+03	6.2e+02
24	22'33'4'55'66'-NoCB	7.10e+05	1.22e+03	5.8e+02	9.21e+05	8.76e+02	1.1e+03
25	22'33'44'55'6-NoCB	3.09e+05	6.88e+02	4.5e+02	4.05e+05	7.60e+02	5.3e+02
26	DeCB	6.80e+05	6.96e+02	9.8e+02	5.78e+05	9.80e+02	5.9e+02
27	13C-2-MoCB	5.76e+06	2.99e+03	1.9e+03	1.96e+06	4.63e+04	4.2e+01
28	13C-4-MoCB	5.12e+06	2.99e+03	1.7e+03	1.64e+06	4.63e+04	3.5e+01
29	13C-22'-DiCB	3.49e+06	1.39e+03	2.5e+03	2.29e+06	1.48e+03	1.5e+03
30	13C-44'-DiCB	3.08e+06	1.76e+03	1.7e+03	1.99e+06	1.71e+03	1.2e+03
31	13C-22'6'-TrCB	2.35e+06	1.21e+04	1.9e+02	2.25e+06	7.04e+03	3.2e+02
32	13C-344'-TrCB	2.28e+06	1.11e+04	2.0e+02	2.20e+06	8.68e+03	2.5e+02
33	13C-22'66'-TeCB	2.56e+06	1.71e+03	1.5e+03	3.26e+06	1.14e+03	2.9e+03
34	13C-344'5-TeCB	1.77e+06	3.14e+03	5.6e+02	2.23e+06	1.84e+03	1.2e+03
35	13C-33'44'-TeCB	1.83e+06	3.14e+03	5.8e+02	2.27e+06	1.84e+03	1.2e+03
36	13C-22'466'-PeCB	3.40e+06	8.48e+02	4.0e+03	2.17e+06	8.76e+02	2.5e+03
37	13C-2'344'5-PeCB	2.36e+06	7.92e+03	3.0e+02	1.54e+06	5.93e+03	2.6e+02
38	13C-23'44'5-PeCB	2.38e+06	7.92e+03	3.0e+02	1.53e+06	5.93e+03	2.6e+02
39	13C-2344'5-PeCB	2.30e+06	7.92e+03	2.9e+02	1.51e+06	5.93e+03	2.5e+02
40	13C-233'44'-PeCB	2.25e+06	7.92e+03	2.8e+02	1.44e+06	5.93e+03	2.4e+02
41	13C-33'44'5-PeCB	1.93e+06	7.92e+03	2.4e+02	1.25e+06	5.93e+03	2.1e+02
42	13C-22'44'66'-HxCB	3.33e+06	1.34e+03	2.5e+03	2.67e+06	1.18e+03	2.3e+03
43	13C-23'44'55'-HxCB	1.92e+06	2.56e+03	7.5e+02	1.54e+06	2.46e+03	6.3e+02
44	13C-233'44'5'-HxCB	2.78e+06	2.56e+03	1.1e+03	2.22e+06	2.46e+03	9.0e+02
45	13C-33'44'55'-HxCB	1.58e+06	2.56e+03	6.2e+02	1.23e+06	2.46e+03	5.0e+02
46	13C-22'34'566'-HpCB	2.98e+06	1.09e+03	2.7e+03	2.80e+06	9.40e+02	3.0e+03
47	13C-233'44'55'-HpCB	1.22e+06	9.80e+02	1.2e+03	1.15e+06	7.24e+02	1.6e+03
48	13C-22'33'55'66'-OcCB	2.19e+06	7.92e+02	2.8e+03	2.47e+06	9.56e+02	2.6e+03
49	13C-233'44'55'6-OcCB	1.54e+06	7.92e+02	1.9e+03	1.70e+06	9.56e+02	1.8e+03
50	13C-22'33'4'55'66'-NoCB	1.62e+06	6.36e+02	2.5e+03	2.07e+06	8.16e+02	2.5e+03
51	13C-22'33'44'55'6-NoCB	7.07e+05	1.04e+03	6.8e+02	8.76e+05	8.44e+02	1.0e+03
52	13C-DeCB	1.27e+06	8.76e+02	1.5e+03	1.07e+06	1.75e+03	6.1e+02

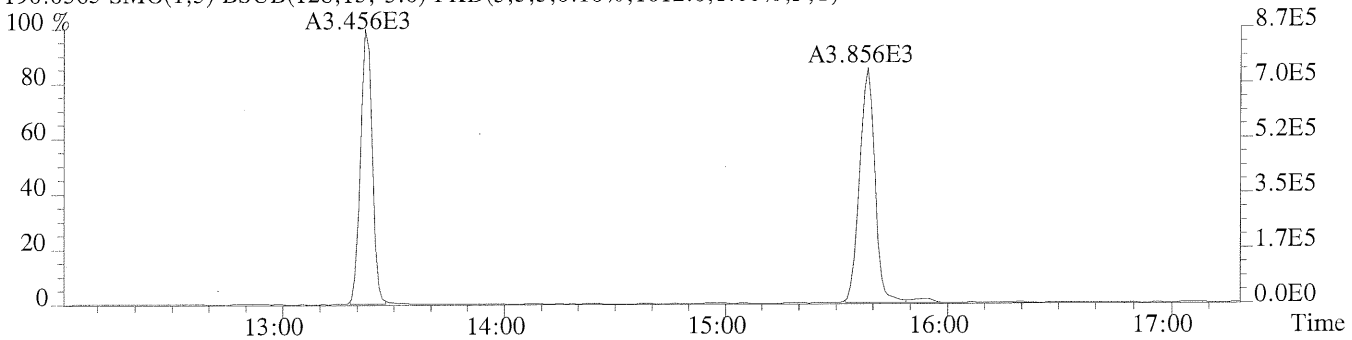
13C-244'-TrCB	2.96e+06	1.11e+04	2.7e+02	2.92e+06	8.68e+03	3.4e+02
13C-233'55'-PeCB	3.74e+06	2.70e+03	1.4e+03	2.44e+06	1.10e+03	2.2e+03
13C-22'33'55'6-HpCB	2.09e+06	1.09e+03	1.9e+03	1.98e+06	9.40e+02	2.1e+03
13C-2,5-DiCB	6.04e+06	1.76e+03	3.4e+03	3.88e+06	1.71e+03	2.3e+03
13C-22'55'-TeCB	3.65e+06	1.24e+03	2.9e+03	4.67e+06	1.02e+03	4.6e+03
13C-22'4'55'-PeCB	4.59e+06	2.70e+03	1.7e+03	2.97e+06	1.10e+03	2.7e+03
13C-22'3'44'5'-HxCB	3.38e+06	6.44e+02	5.3e+03	2.72e+06	1.18e+03	2.3e+03
13C-22'33'44'55'-OcCB	2.07e+06	7.92e+02	2.6e+03	2.27e+06	9.56e+02	2.4e+03

File:U142156 #1-341 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

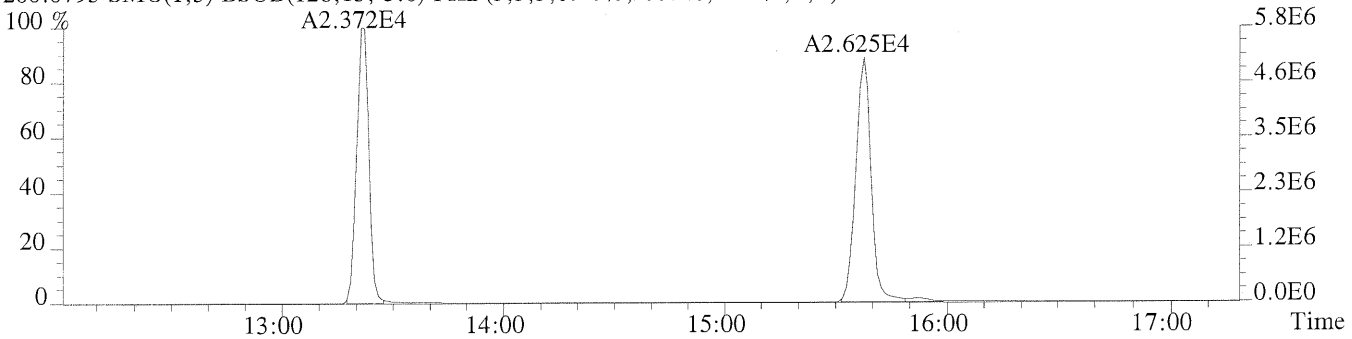
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2504.0,1.00%,F,T)



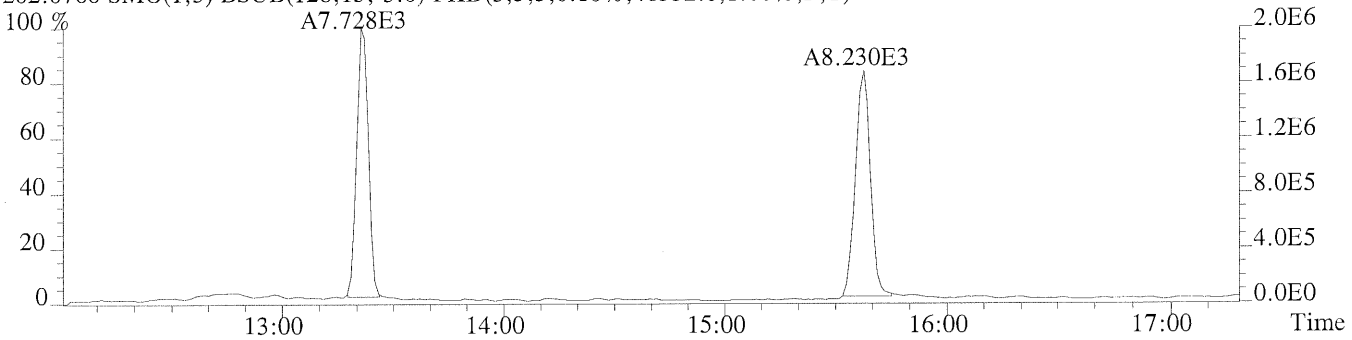
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1612.0,1.00%,F,T)



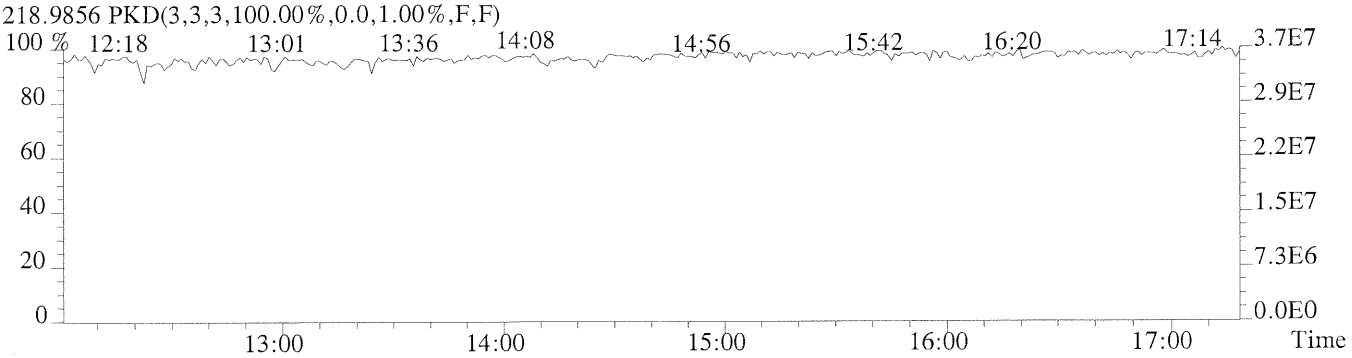
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2992.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,46332.0,1.00%,F,T)

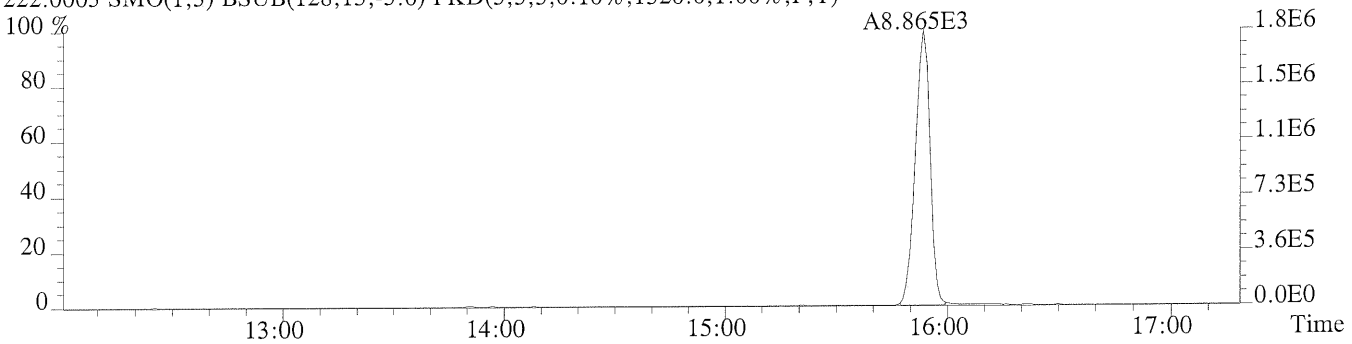


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

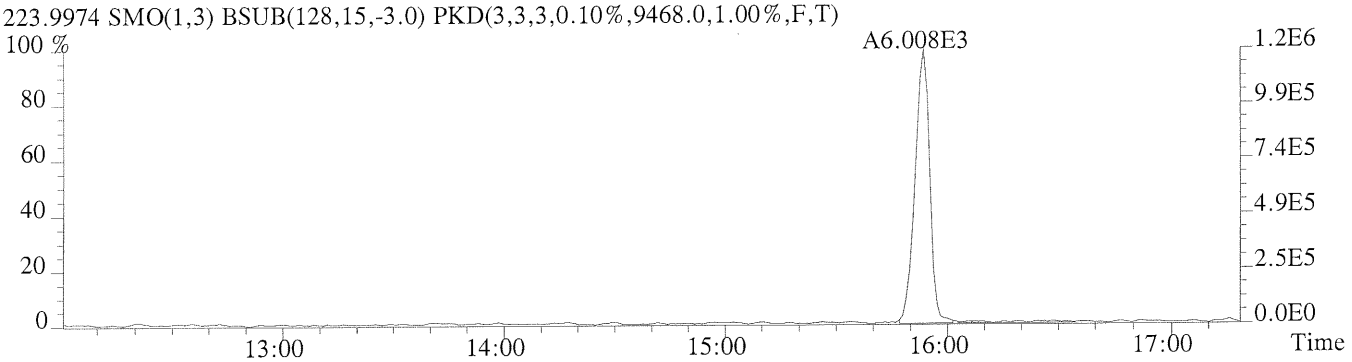


File:U142156 #1-341 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

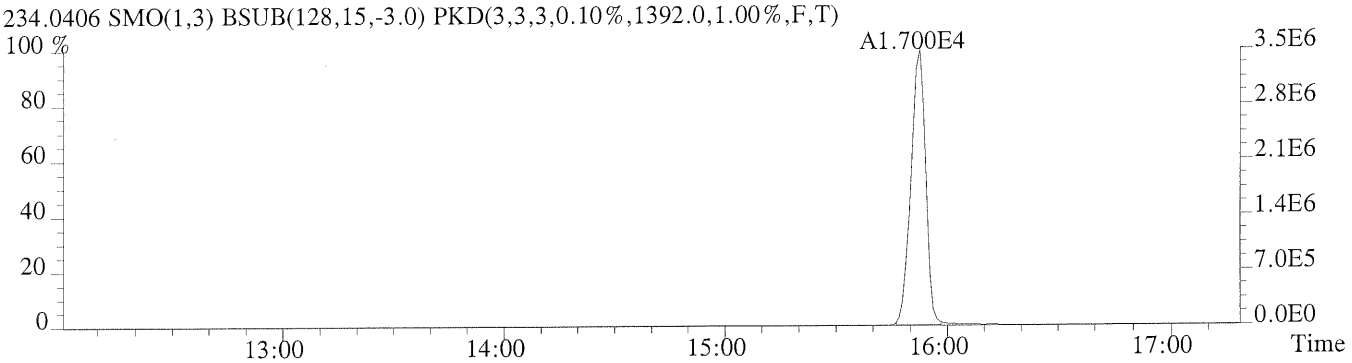
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1320.0,1.00%,F,T)



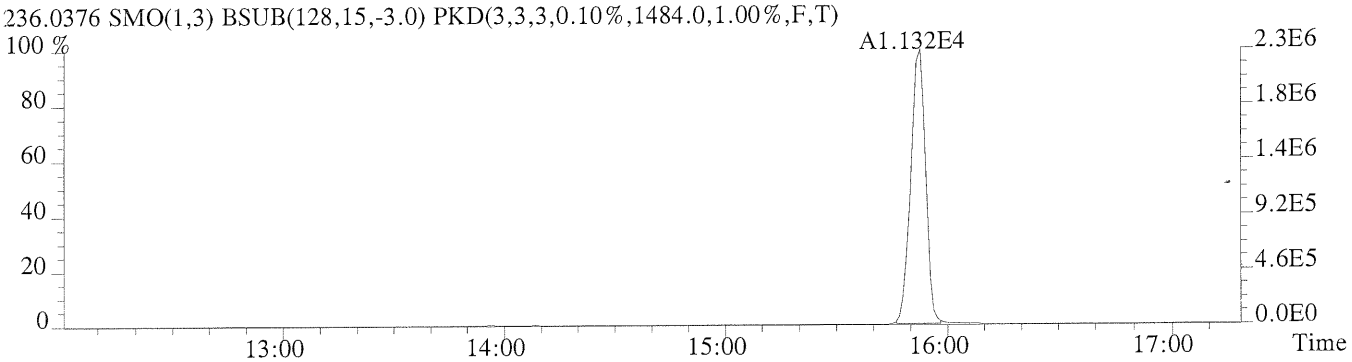
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9468.0,1.00%,F,T)



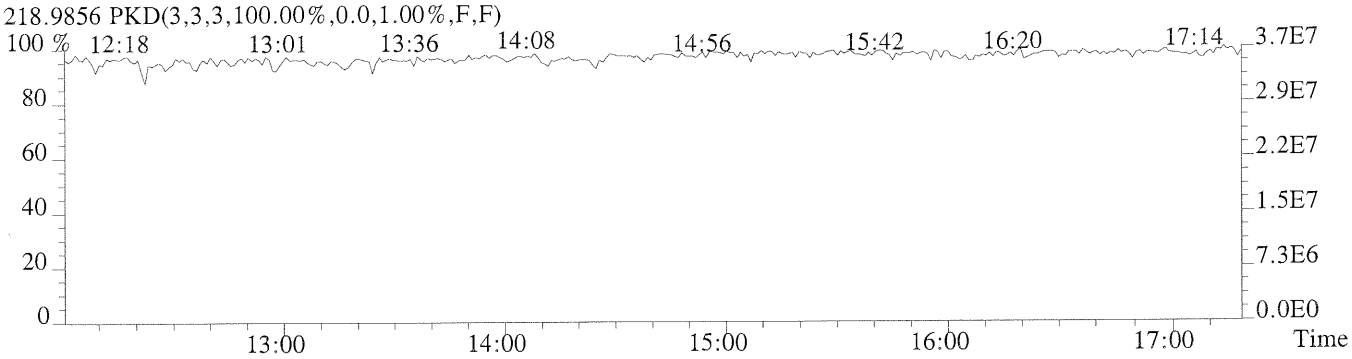
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1392.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1484.0,1.00%,F,T)

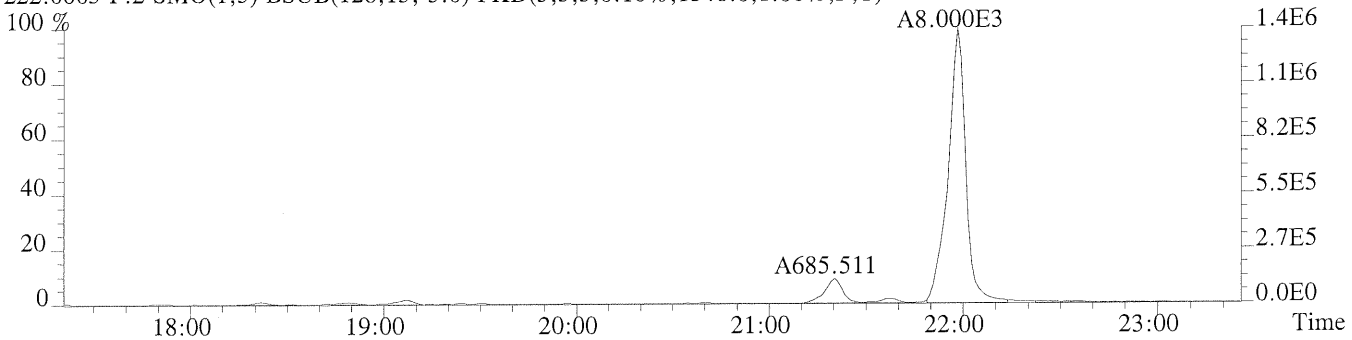


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

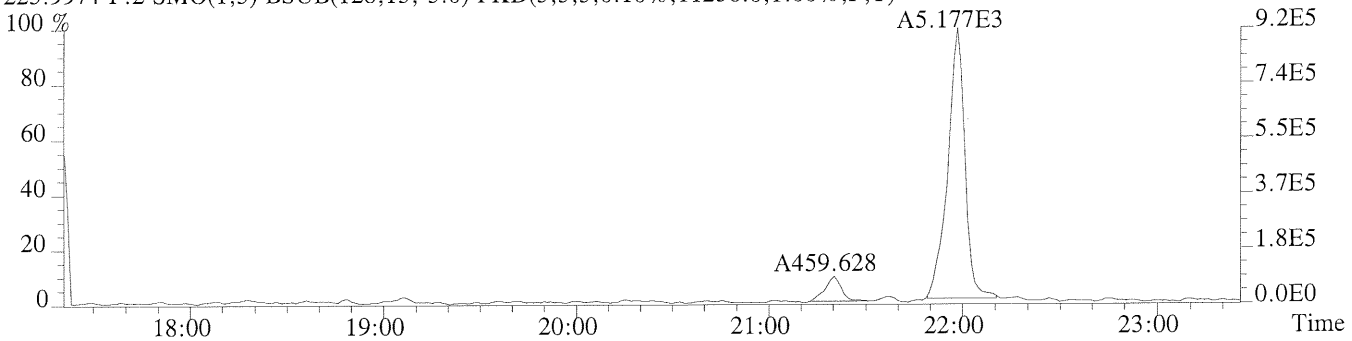


File:U142156 #1-336 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

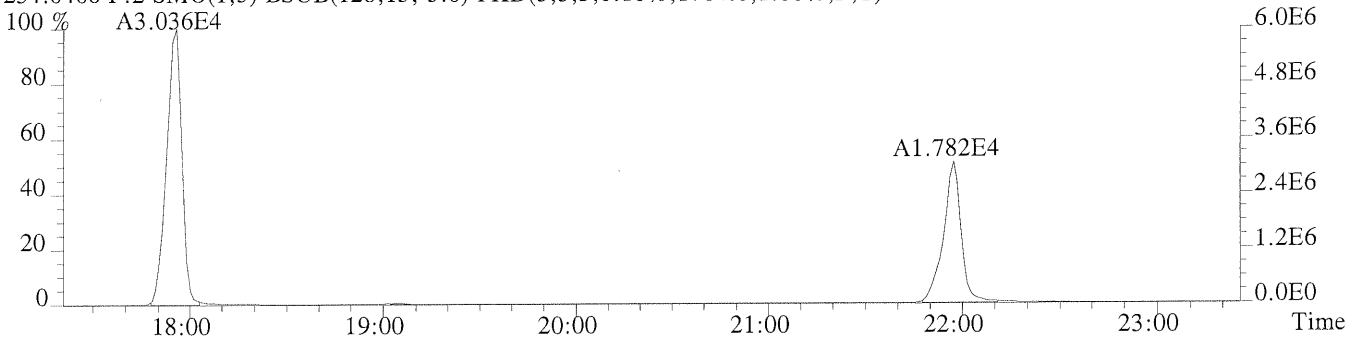
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1348.0,1.00%,F,T)



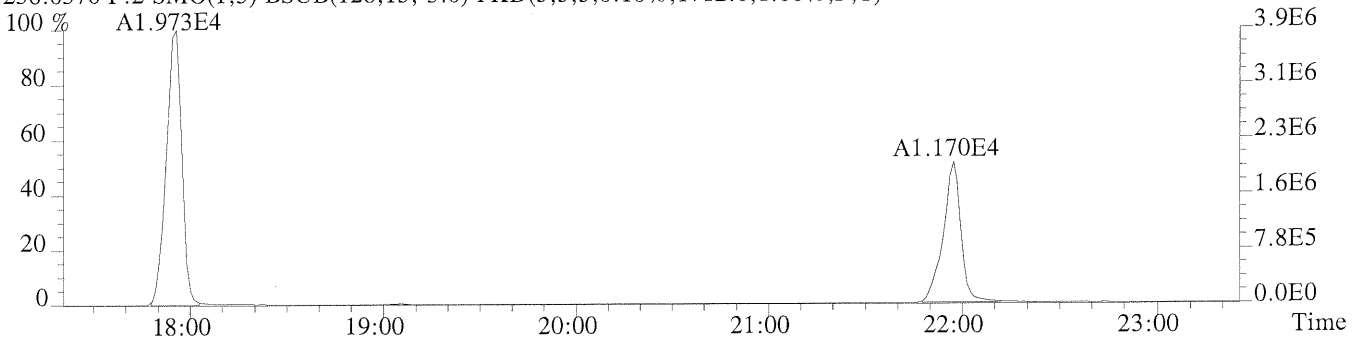
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11236.0,1.00%,F,T)



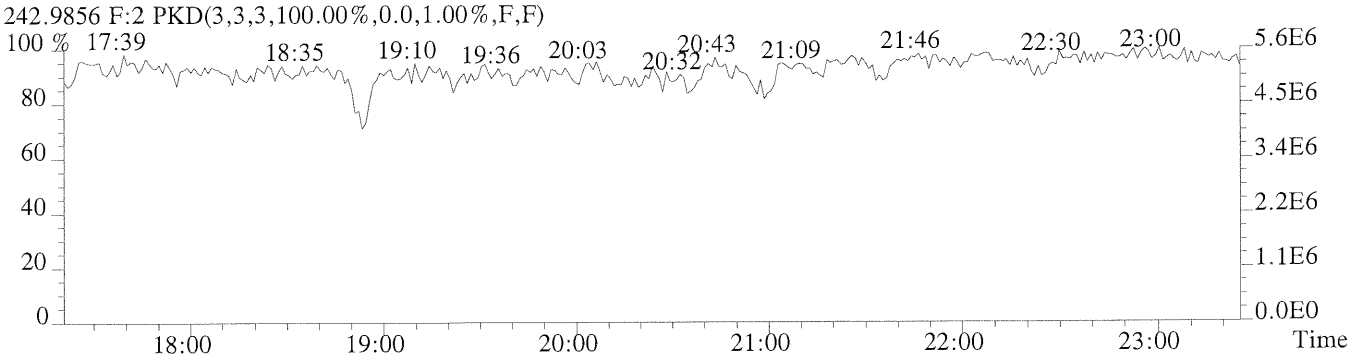
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1764.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1712.0,1.00%,F,T)

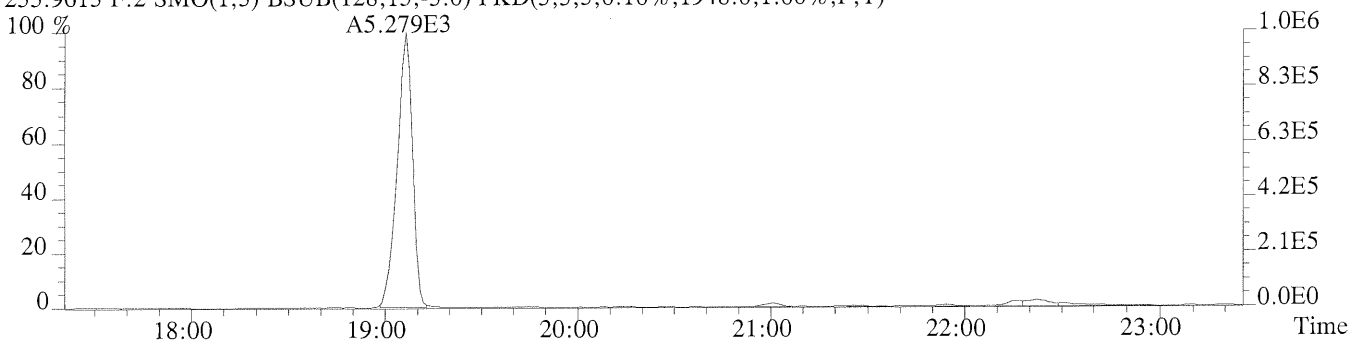


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

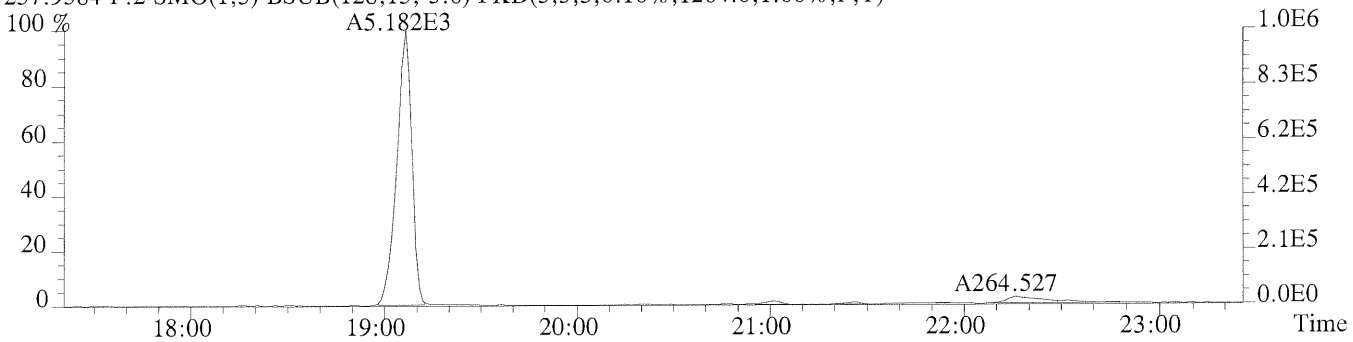


File:U142156 #1-336 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

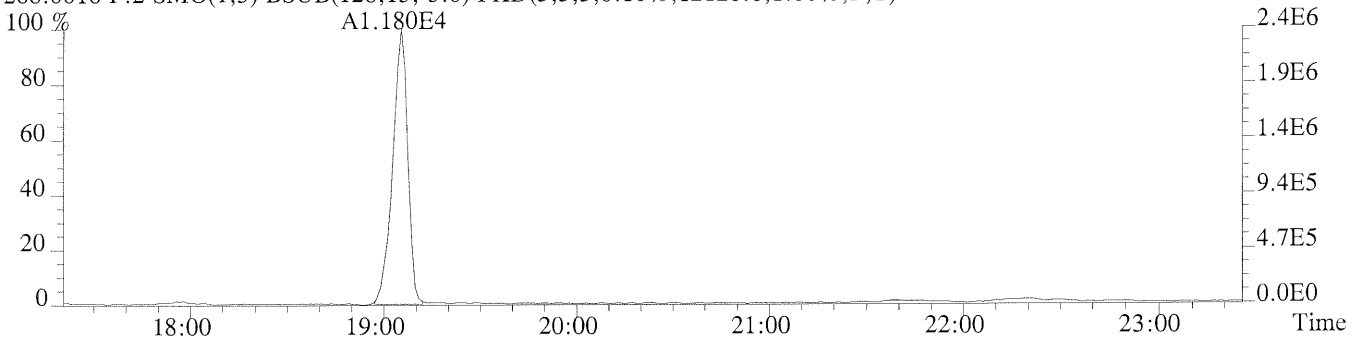
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1948.0,1.00%,F,T)



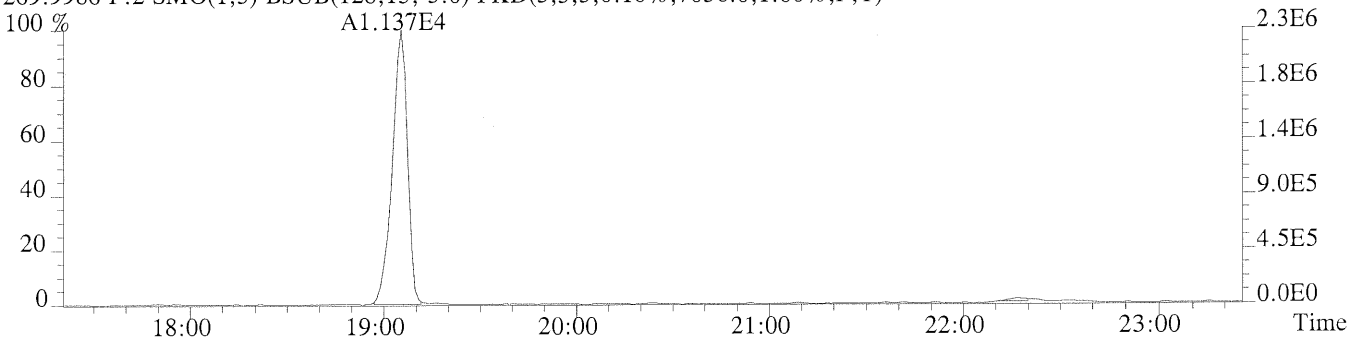
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1204.0,1.00%,F,T)



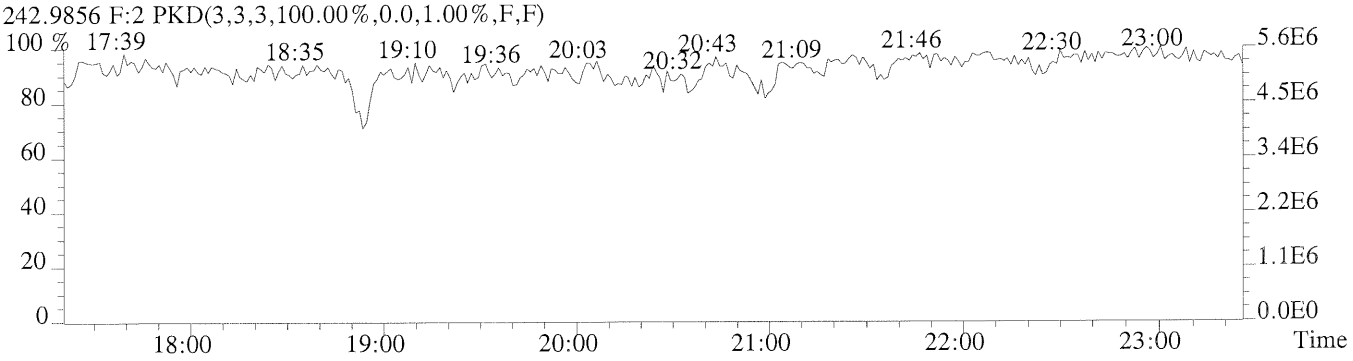
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12120.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7036.0,1.00%,F,T)

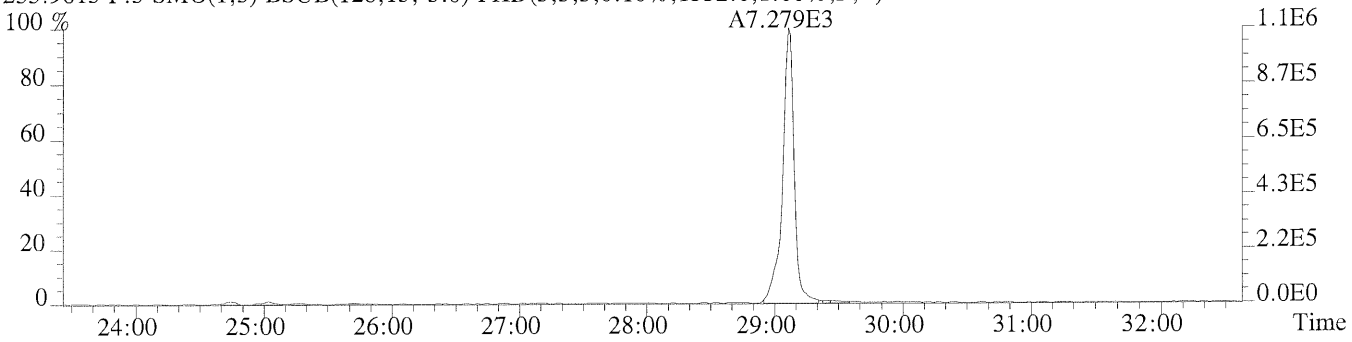


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

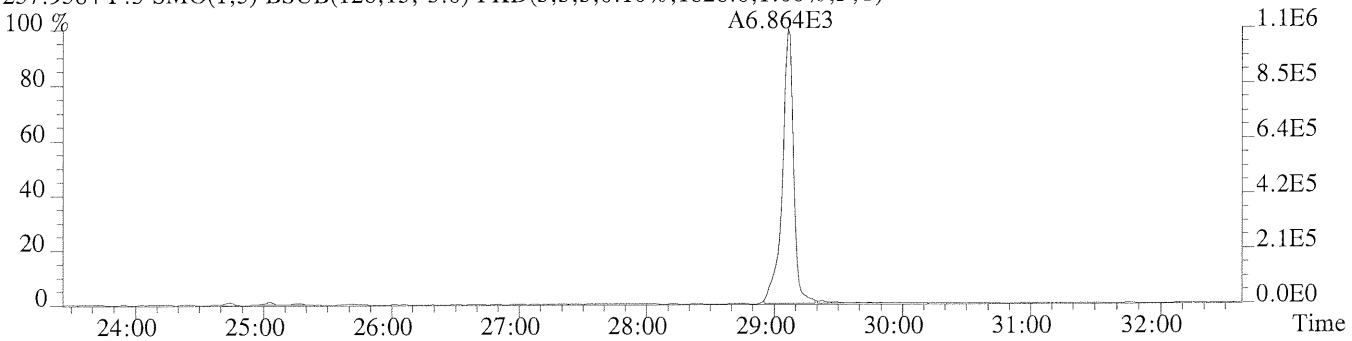


File:U142156 #1-588 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

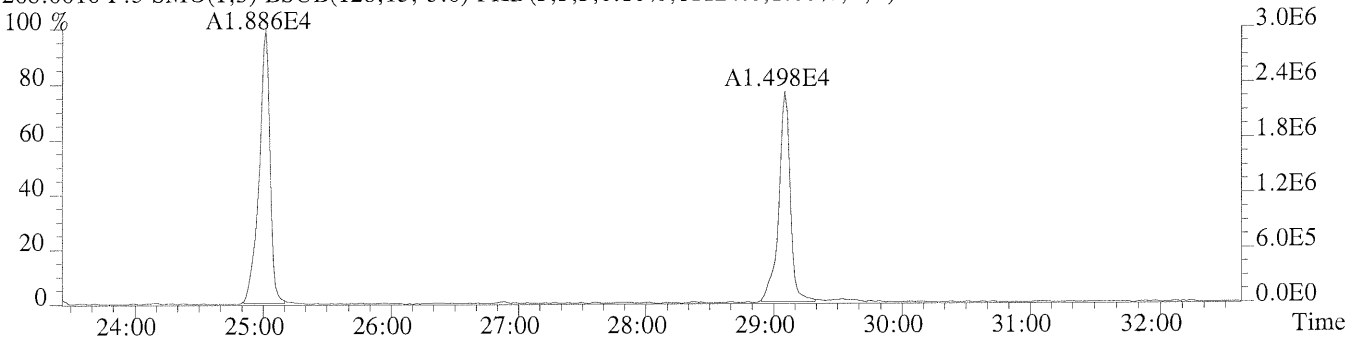
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1532.0,1.00%,F,T)



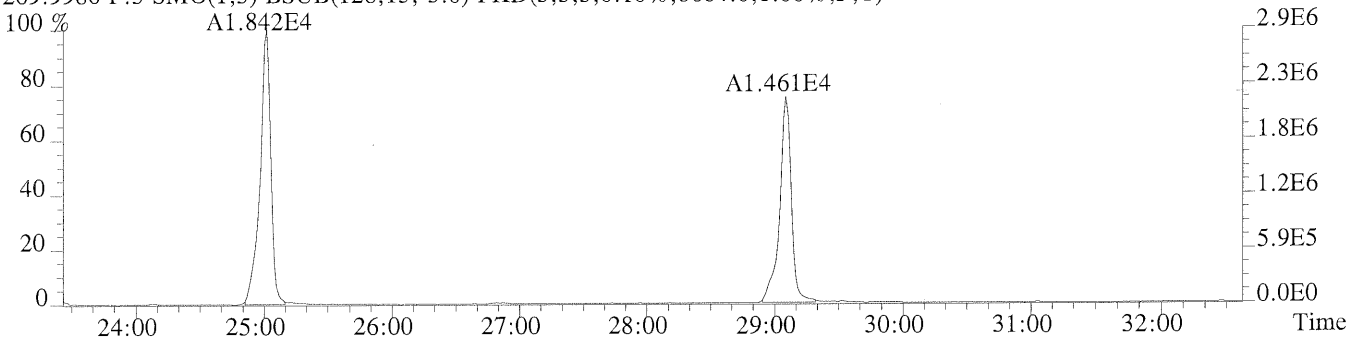
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1828.0,1.00%,F,T)



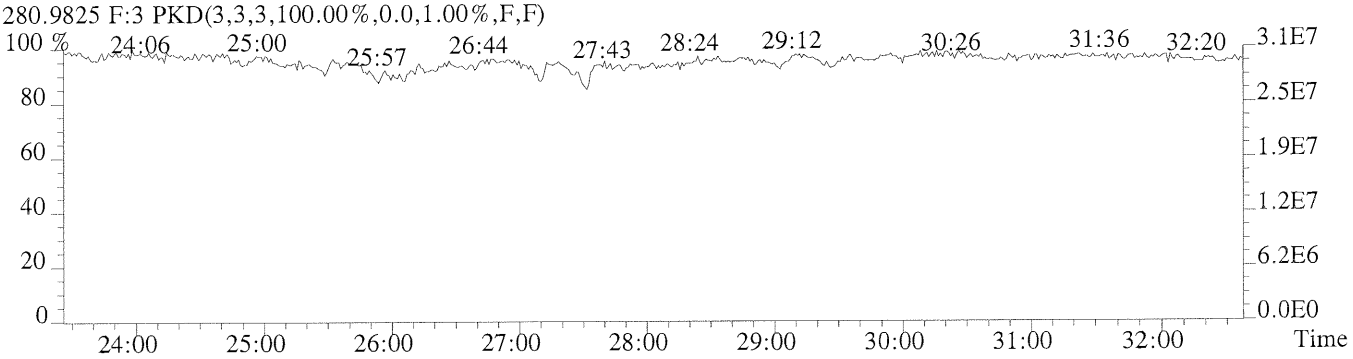
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11124.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8684.0,1.00%,F,T)

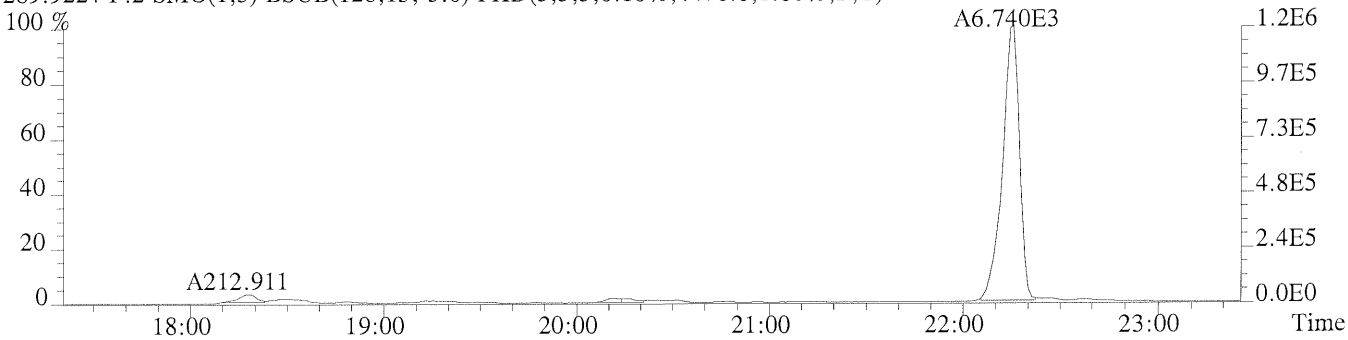


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

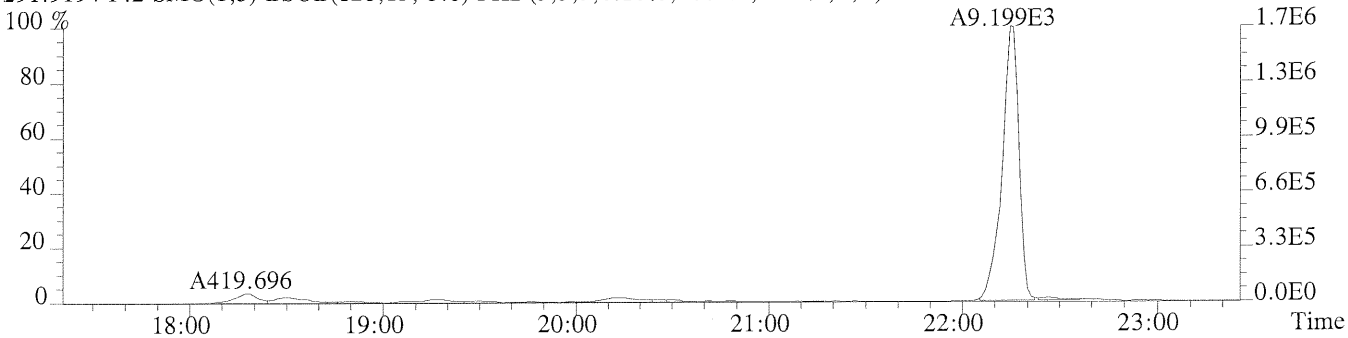


File:U142156 #1-336 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

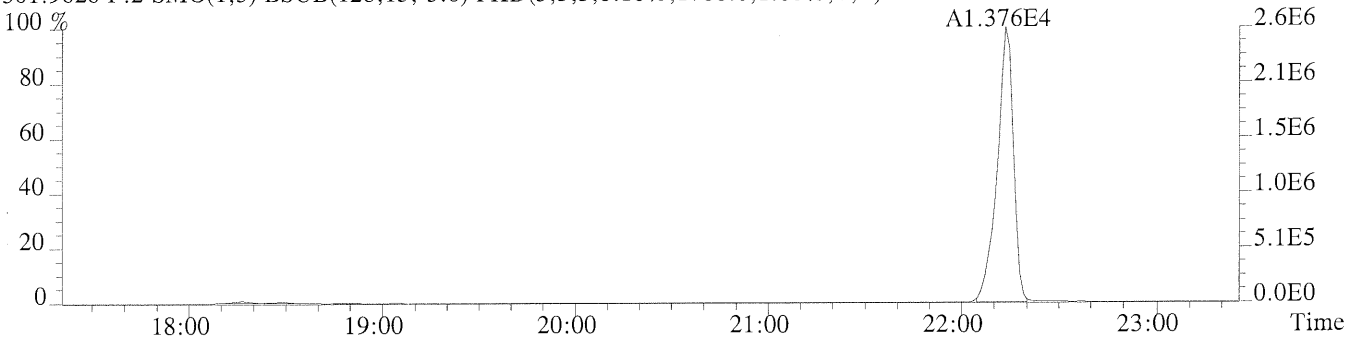
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4476.0,1.00%,F,T)



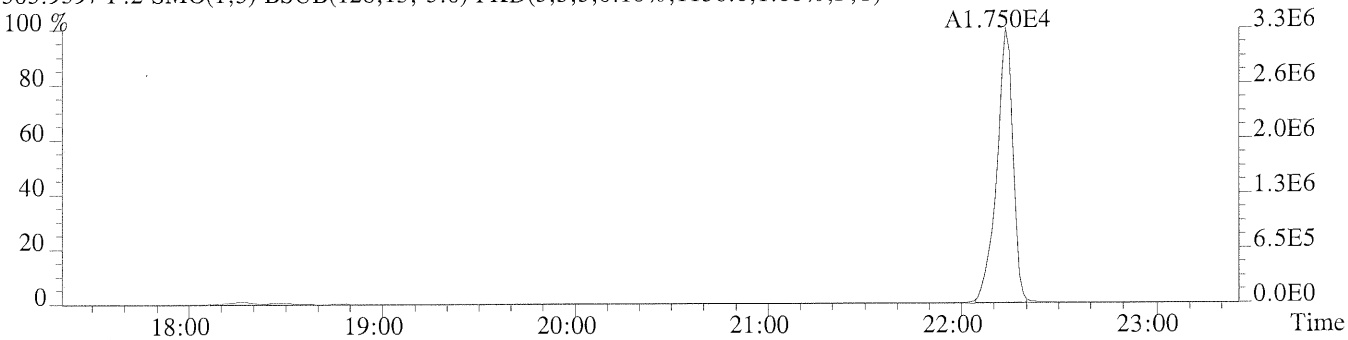
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1668.0,1.00%,F,T)



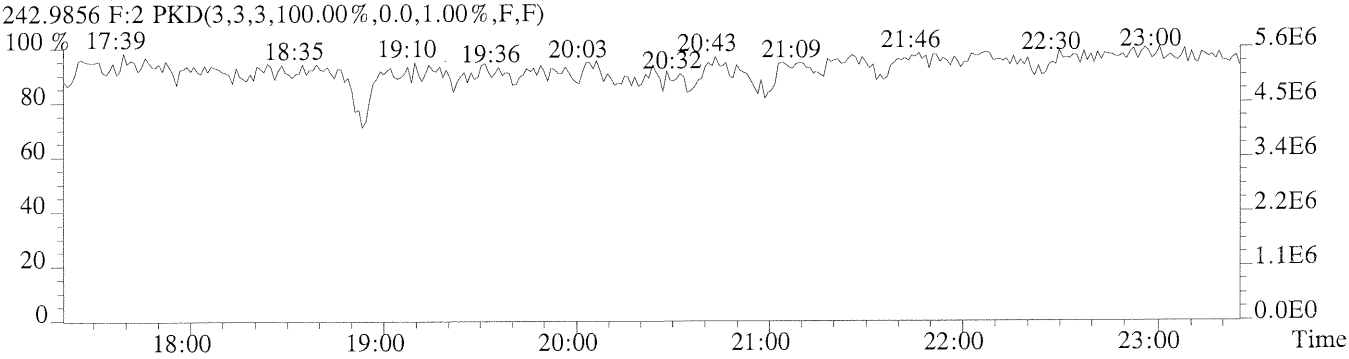
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1708.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1136.0,1.00%,F,T)

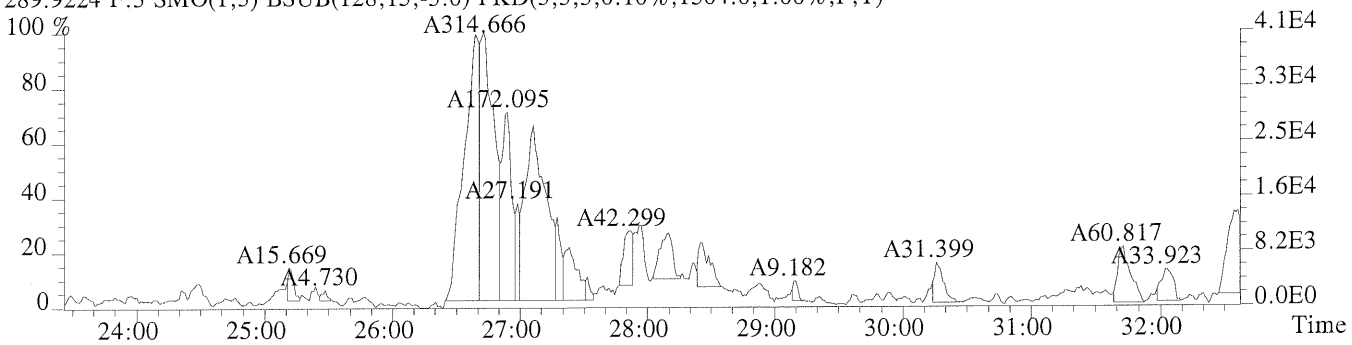


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

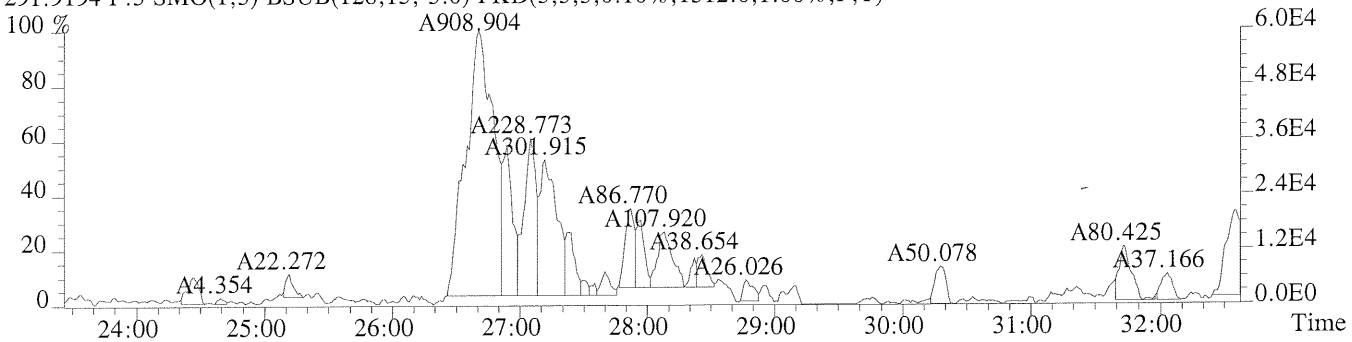


File:U142156 #1-588 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

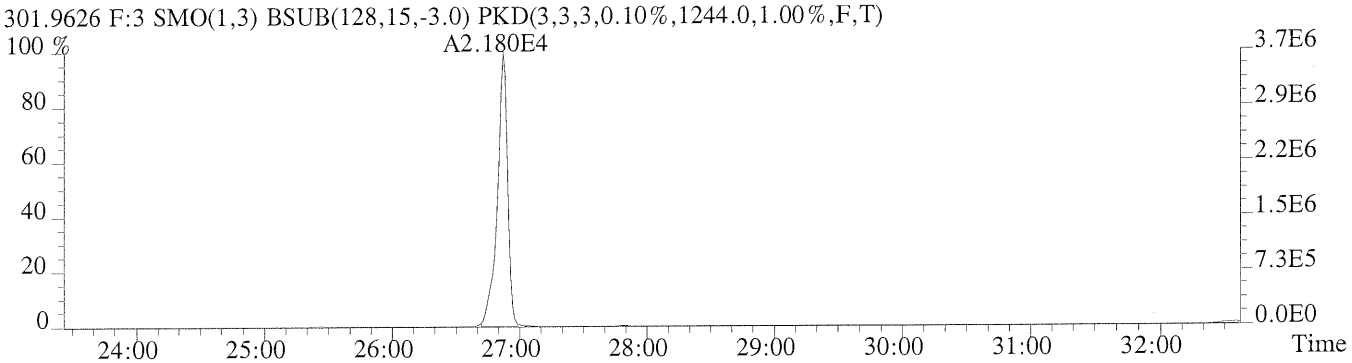
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1504.0,1.00%,F,T)



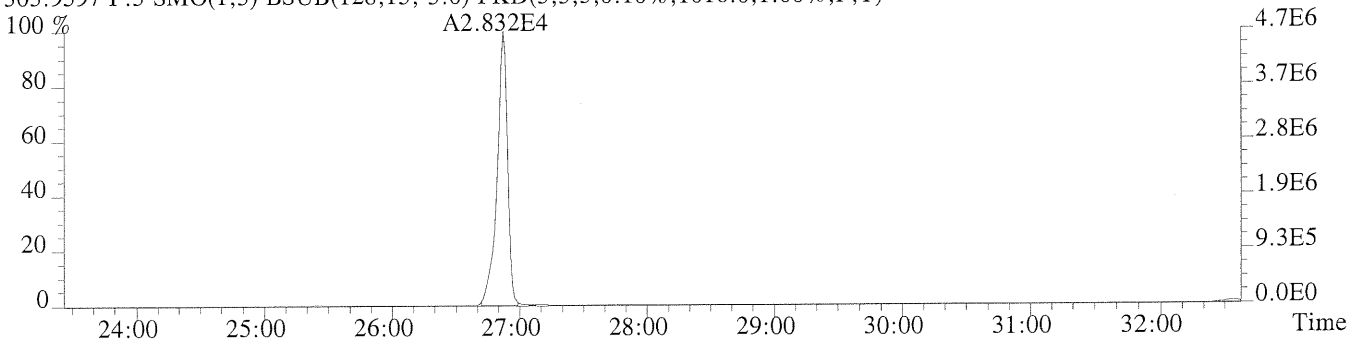
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1512.0,1.00%,F,T)



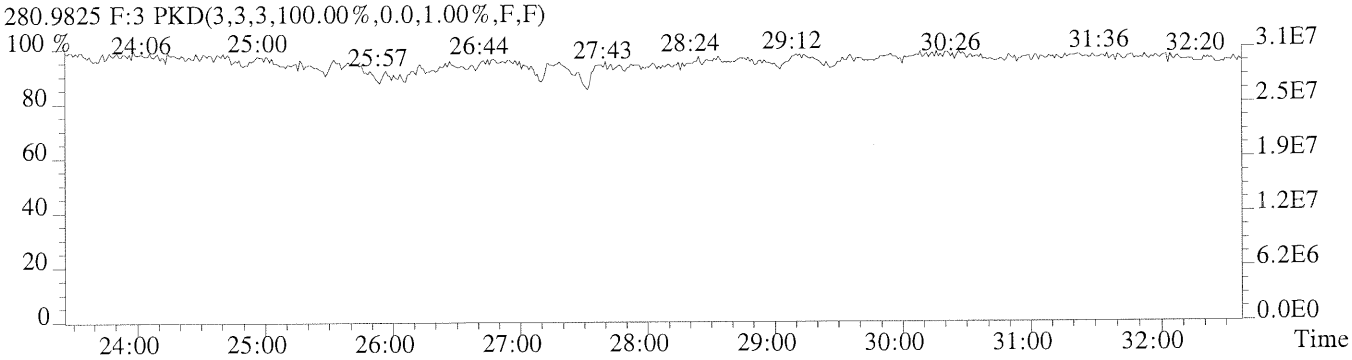
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1244.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1016.0,1.00%,F,T)

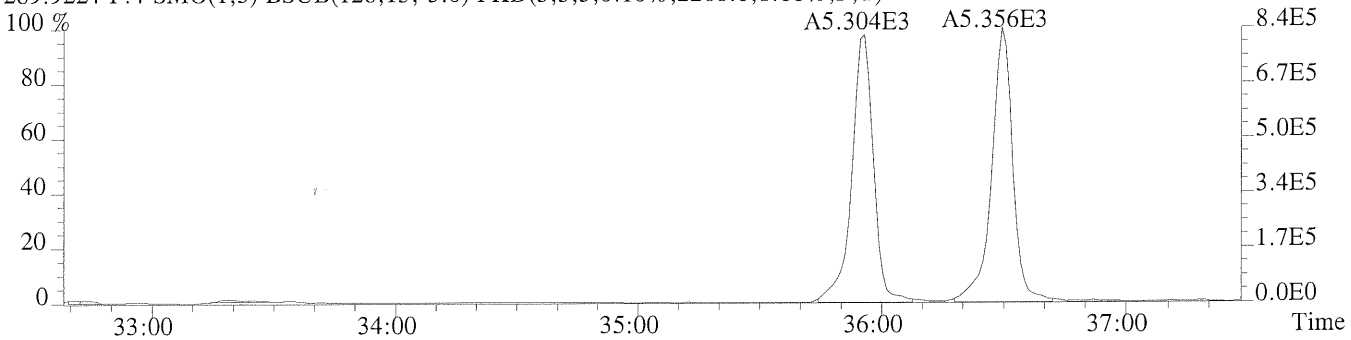


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

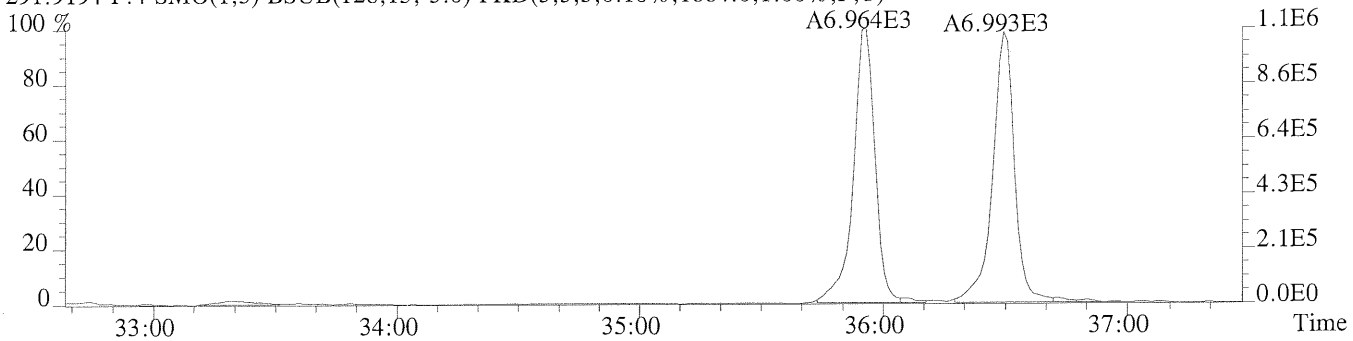


File:U142156 #1-309 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

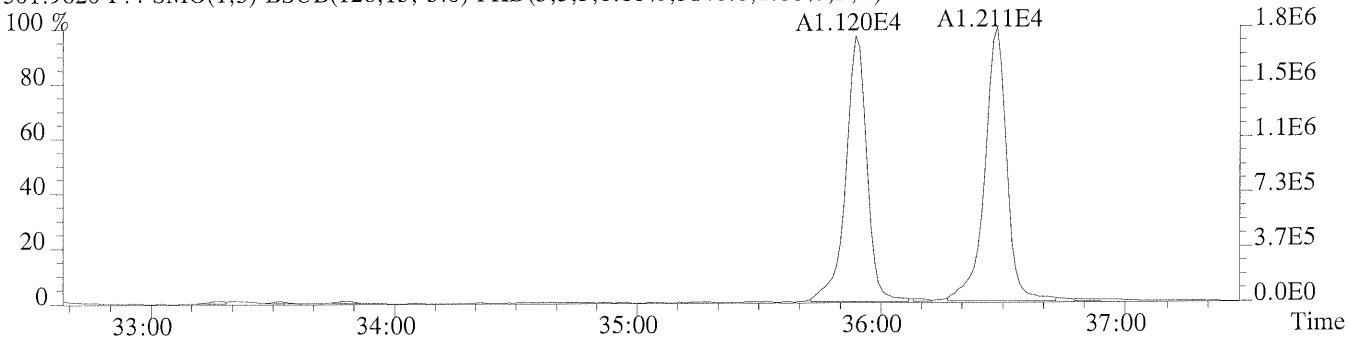
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2268.0,1.00%,F,T)



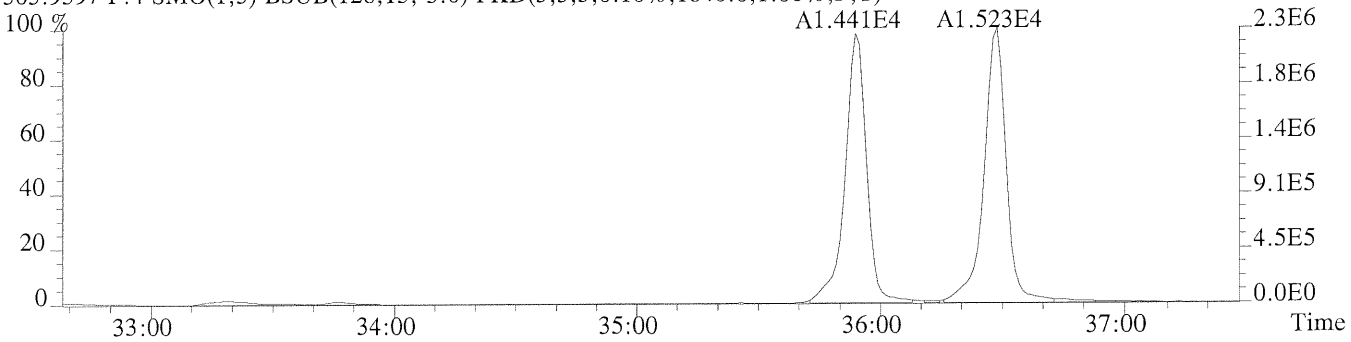
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1884.0,1.00%,F,T)



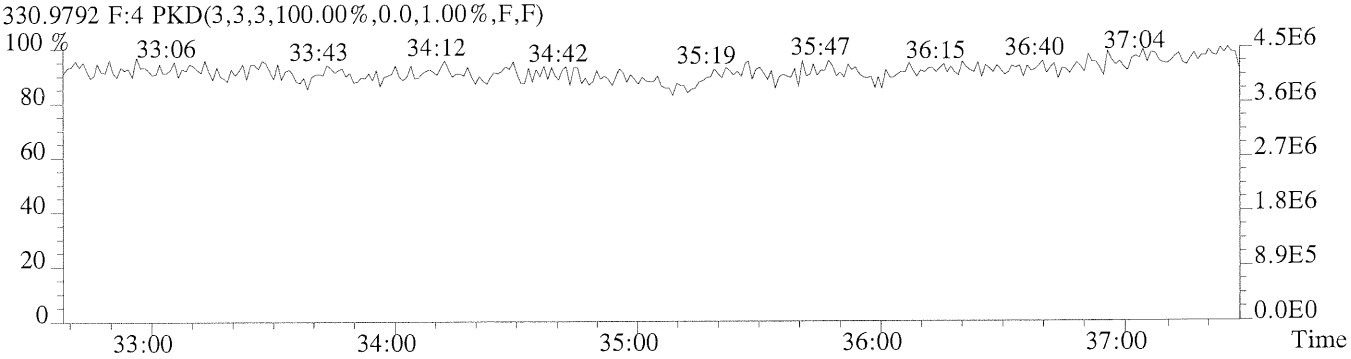
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3140.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1840.0,1.00%,F,T)

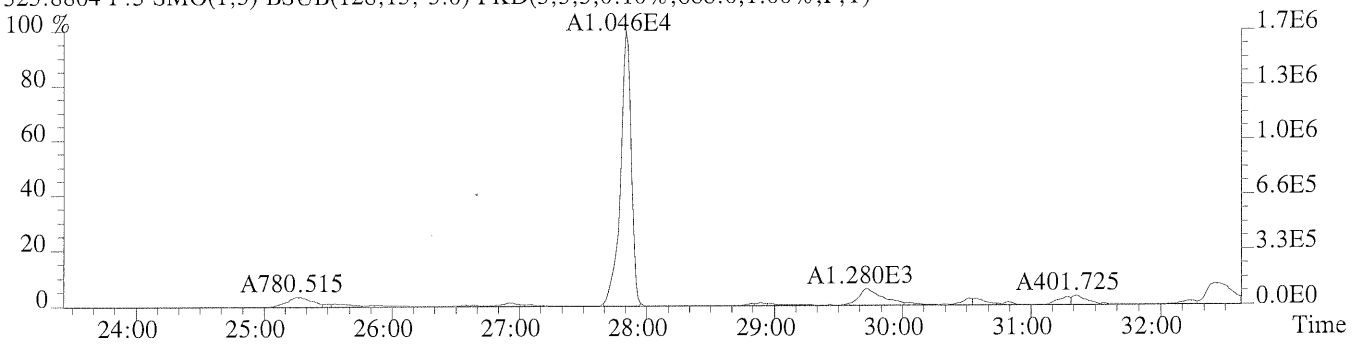


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

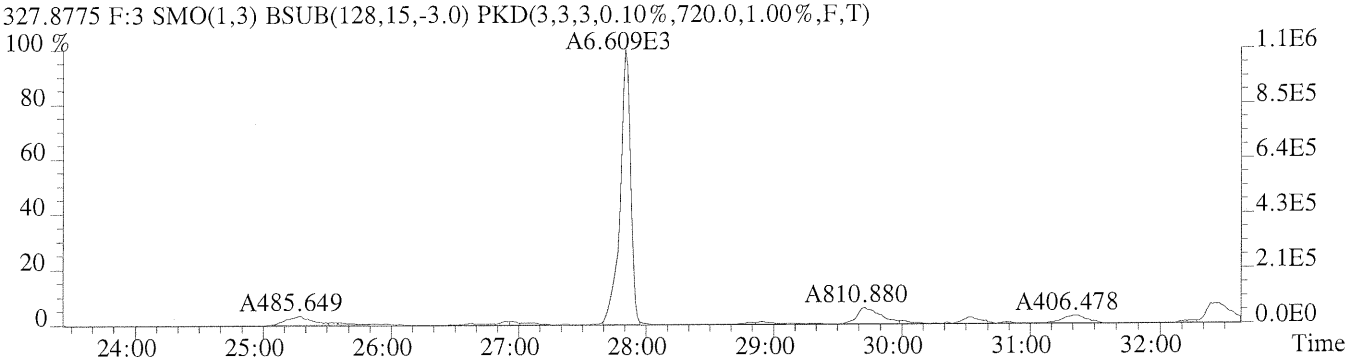


File:U142156 #1-588 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

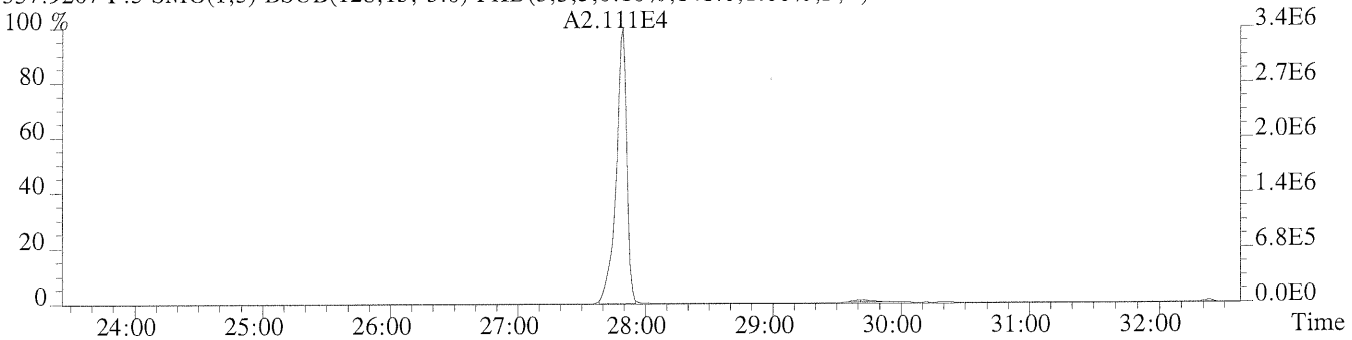
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,688.0,1.00%,F,T)



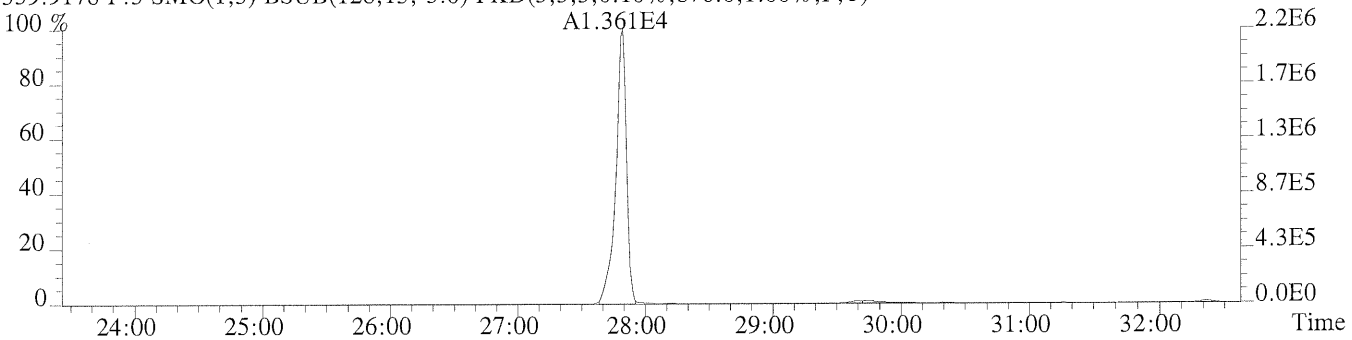
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,720.0,1.00%,F,T)



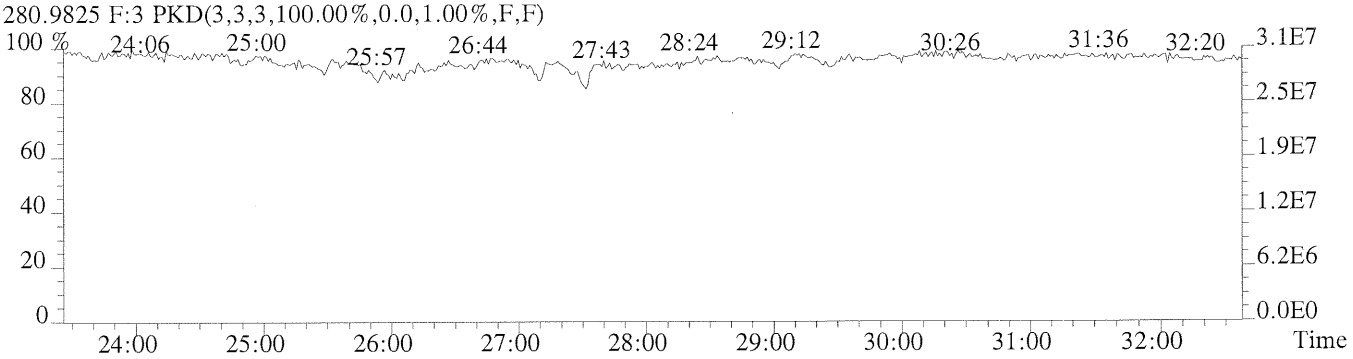
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,848.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)

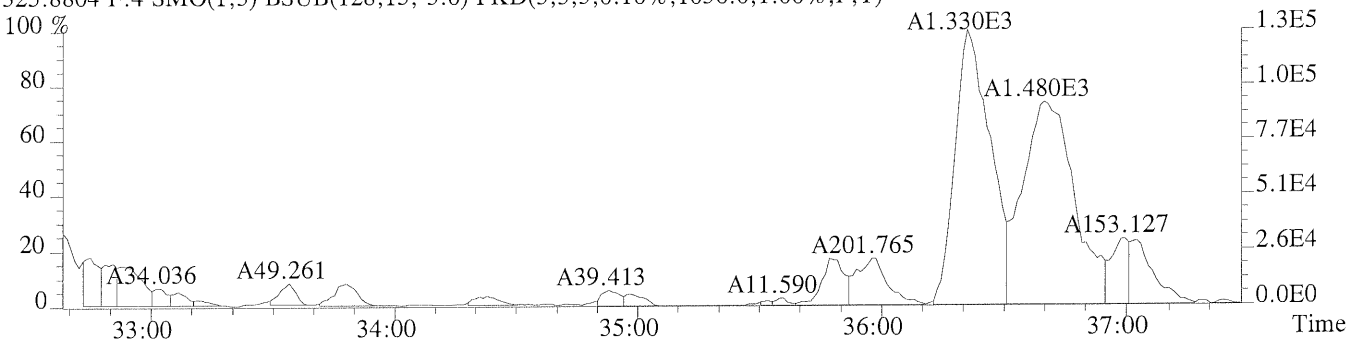


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

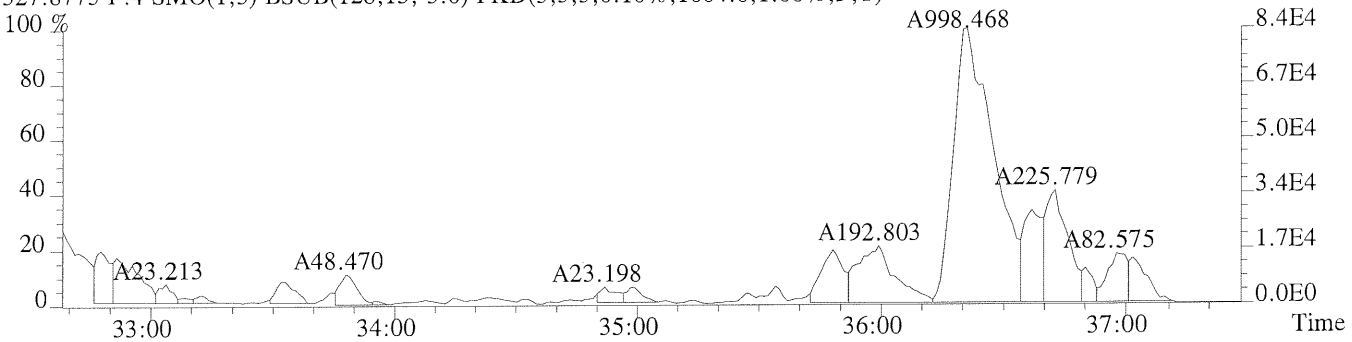


File:U142156 #1-309 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

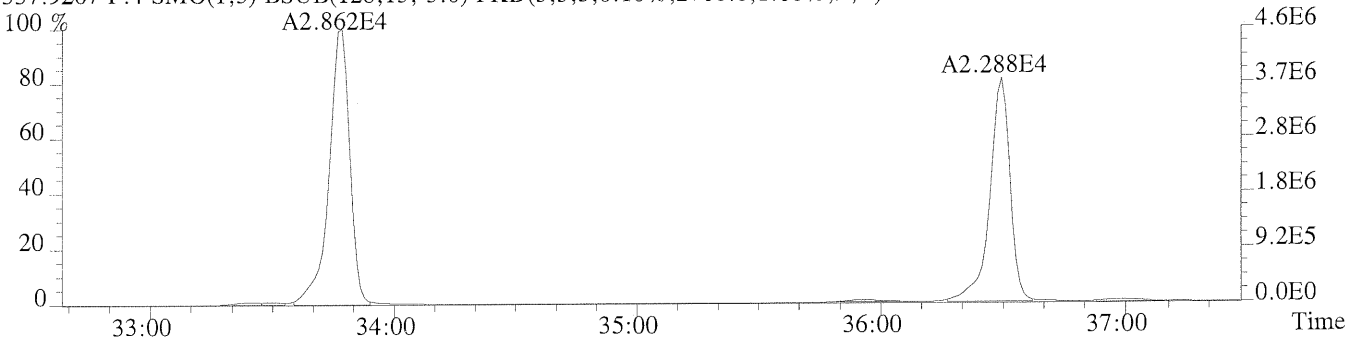
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1036.0,1.00%,F,T)



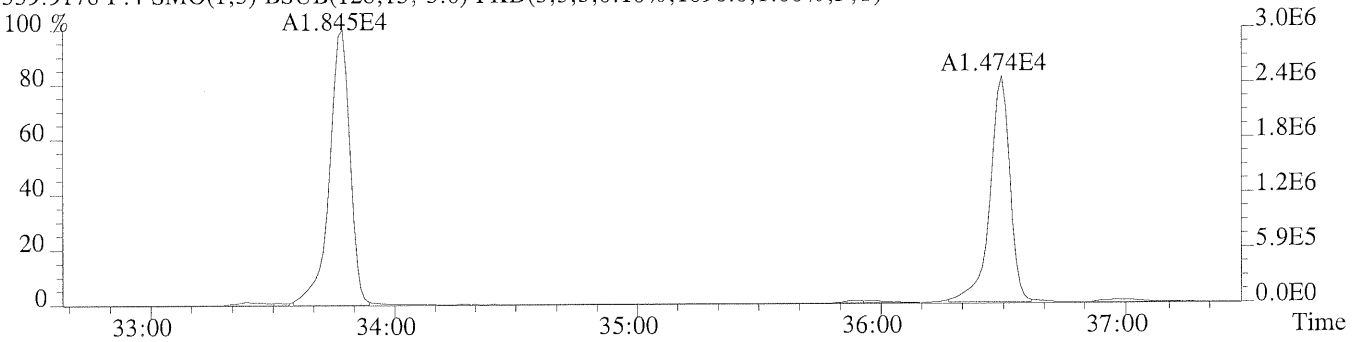
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1604.0,1.00%,F,T)



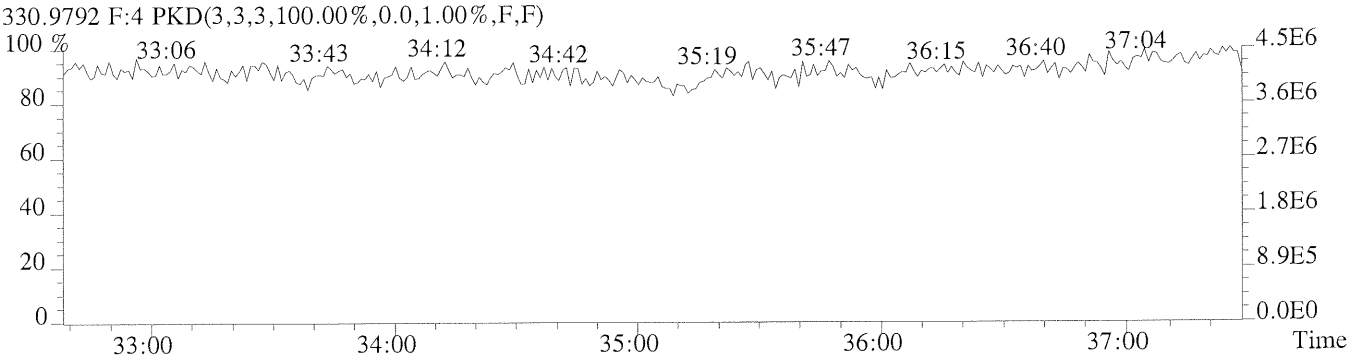
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2700.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)

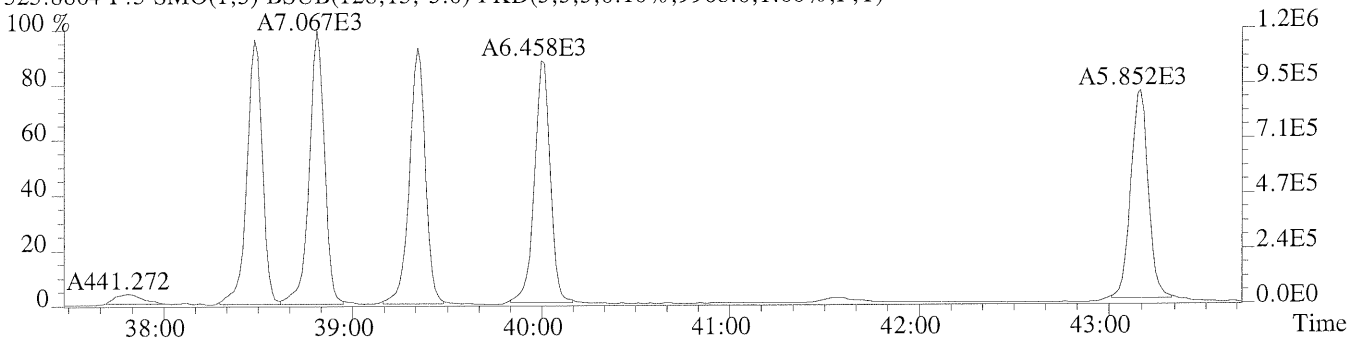


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

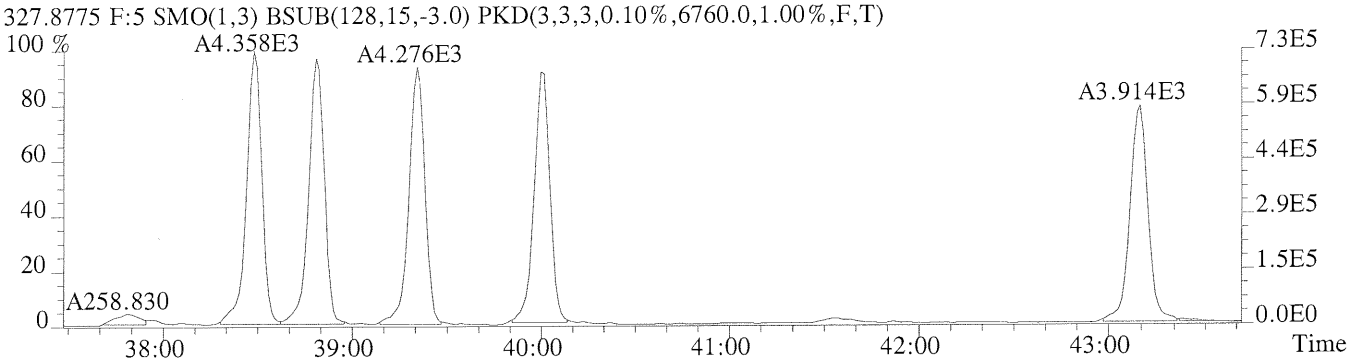


File:U142156 #1-398 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

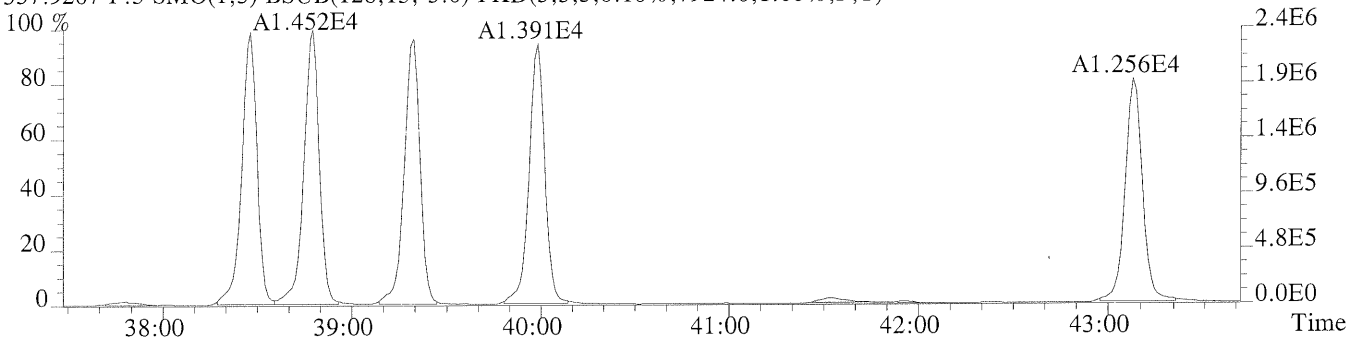
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9968.0,1.00%,F,T)



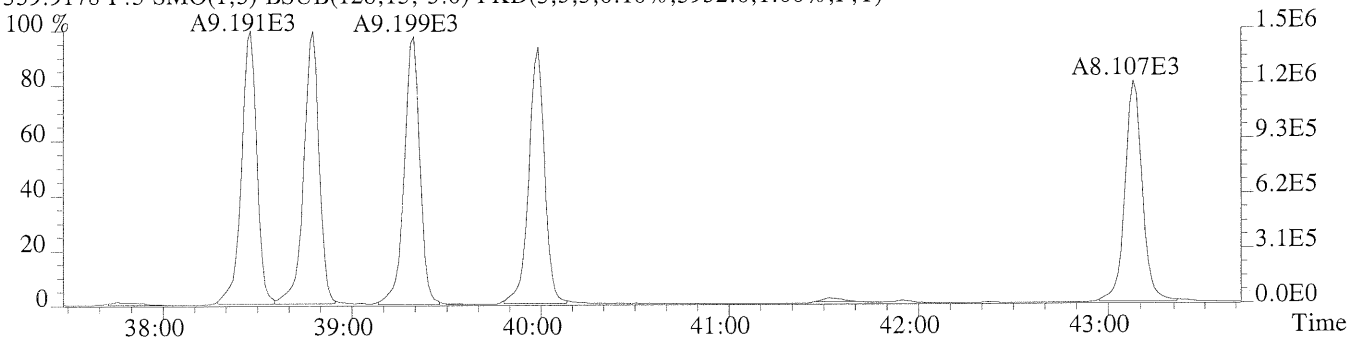
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6760.0,1.00%,F,T)



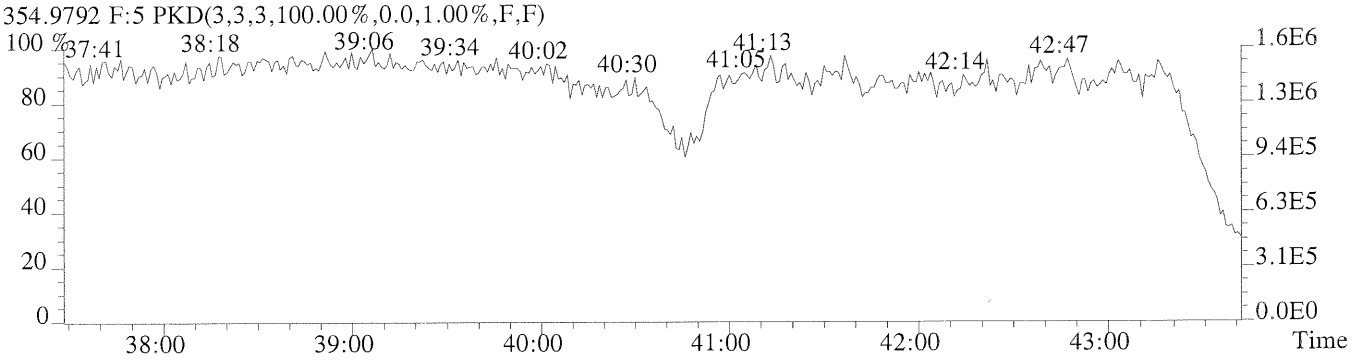
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7924.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5932.0,1.00%,F,T)

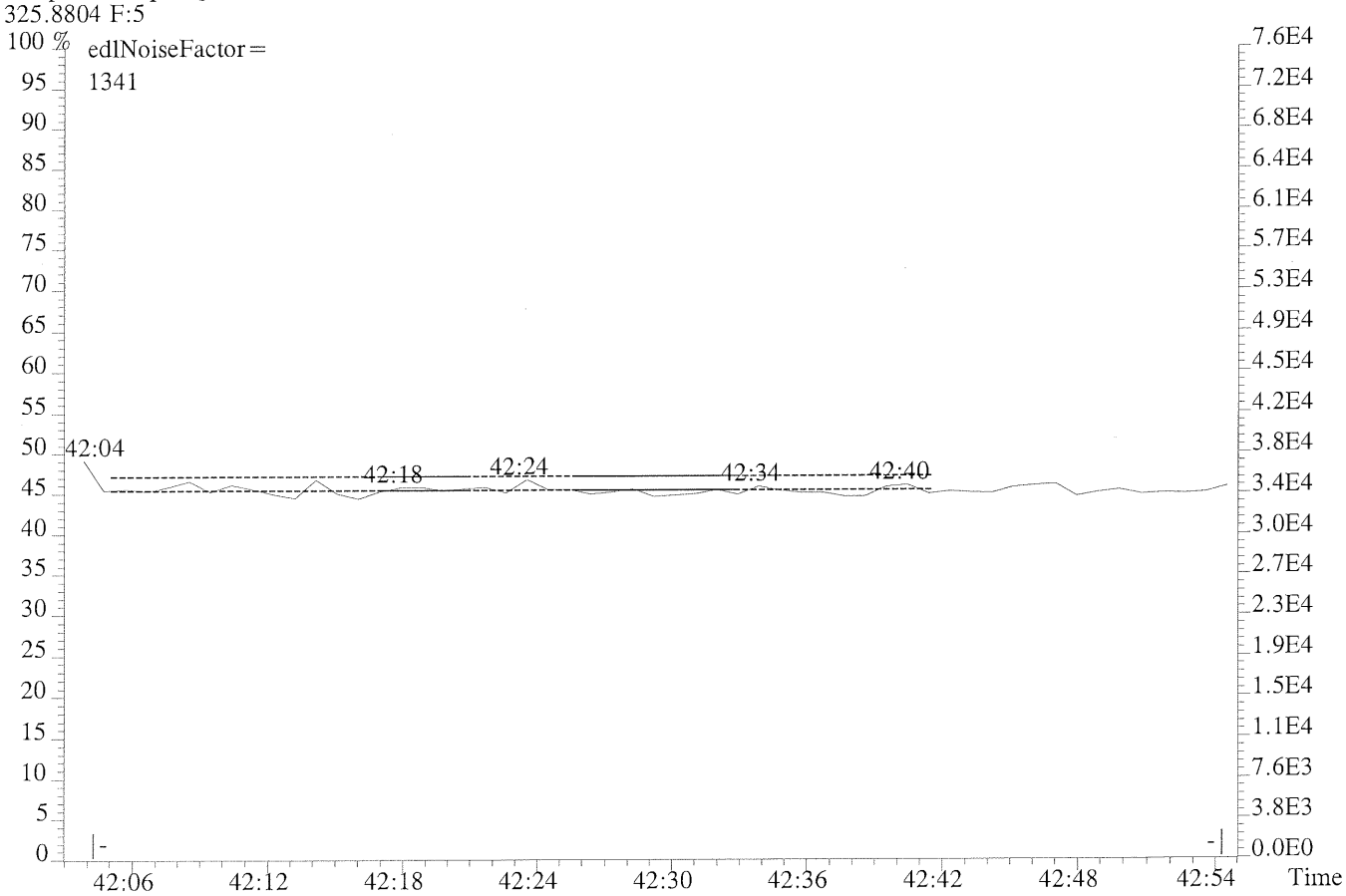


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

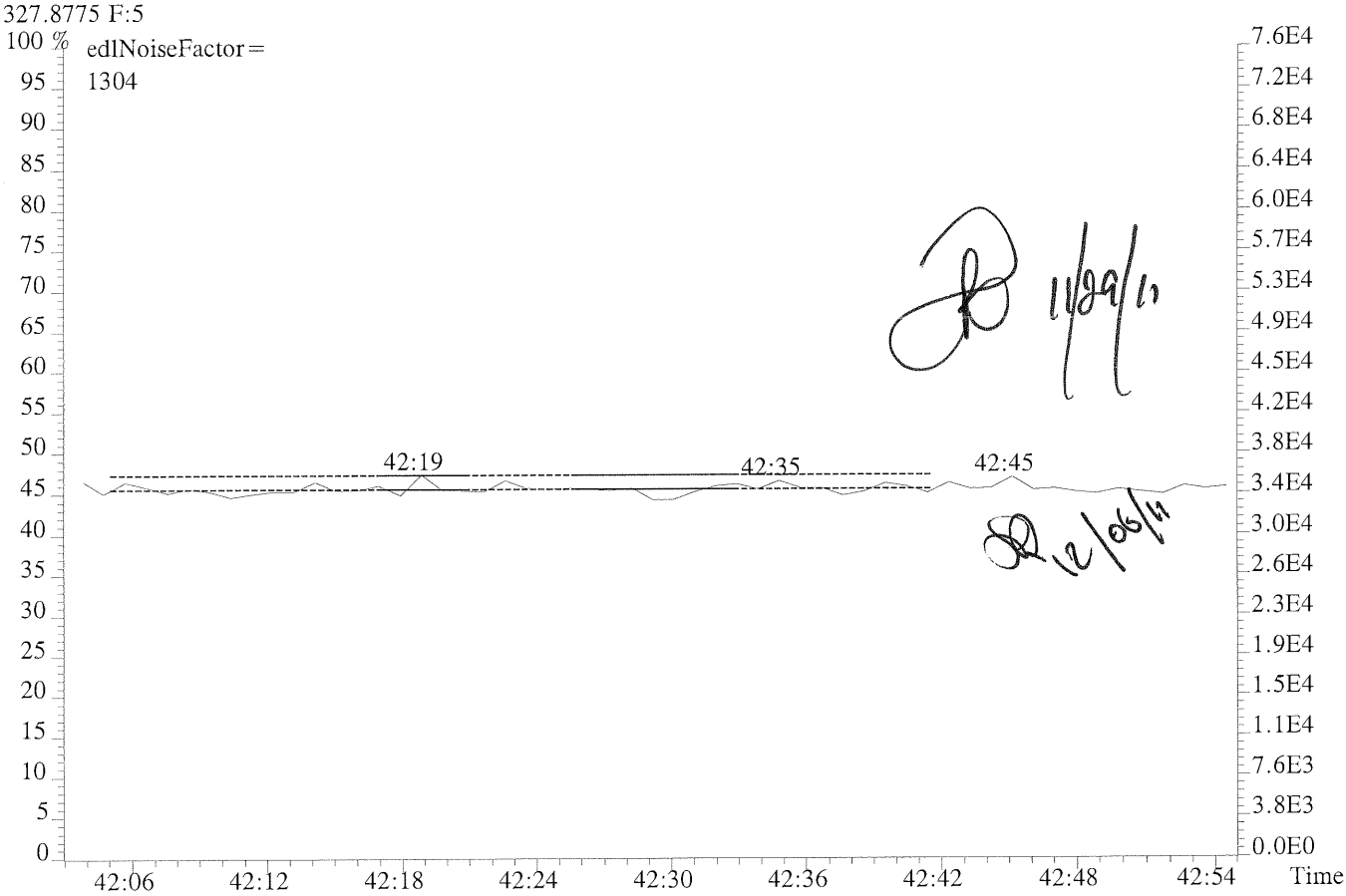


File:U142156 #1-398 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

325.8804 F:5

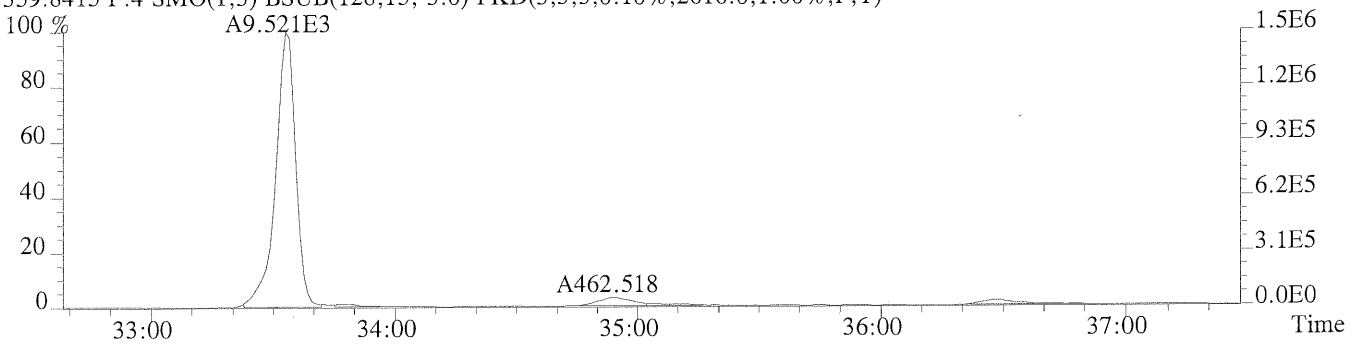


327.8775 F:5

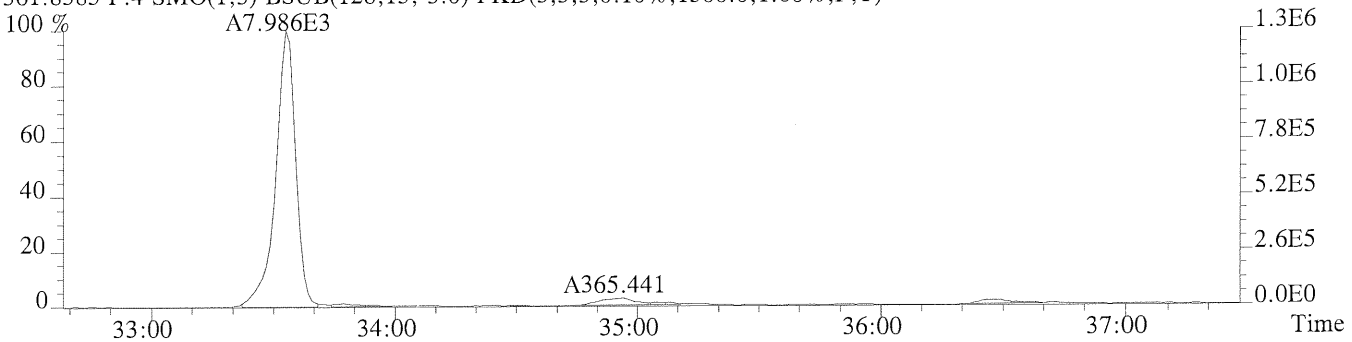


File:U142156 #1-309 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

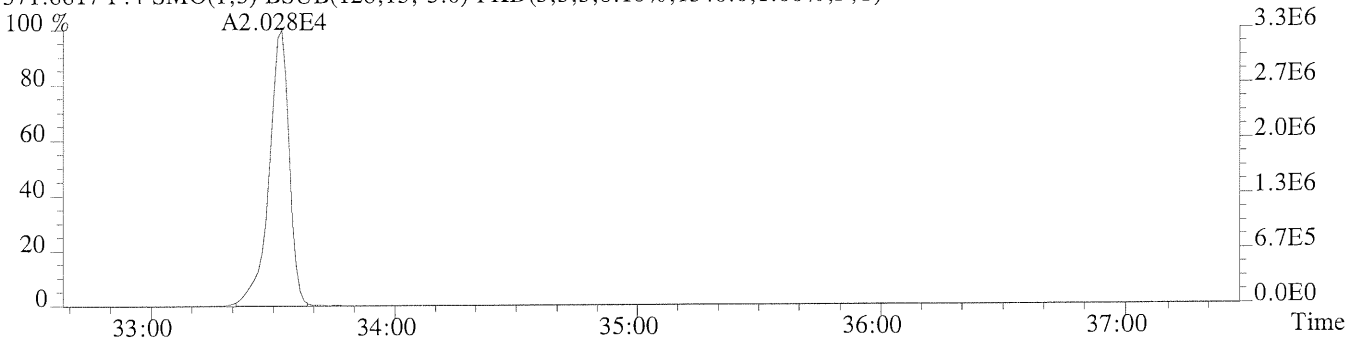
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2616.0,1.00%,F,T)



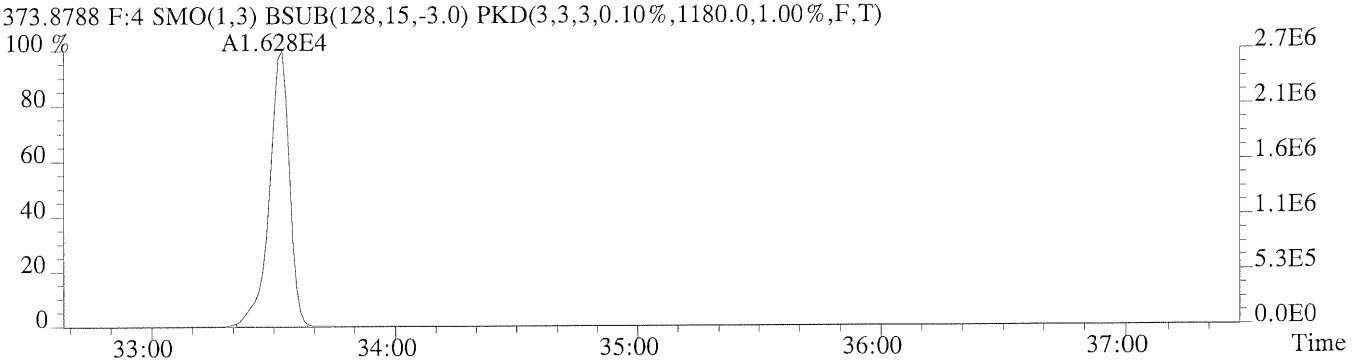
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1500.0,1.00%,F,T)



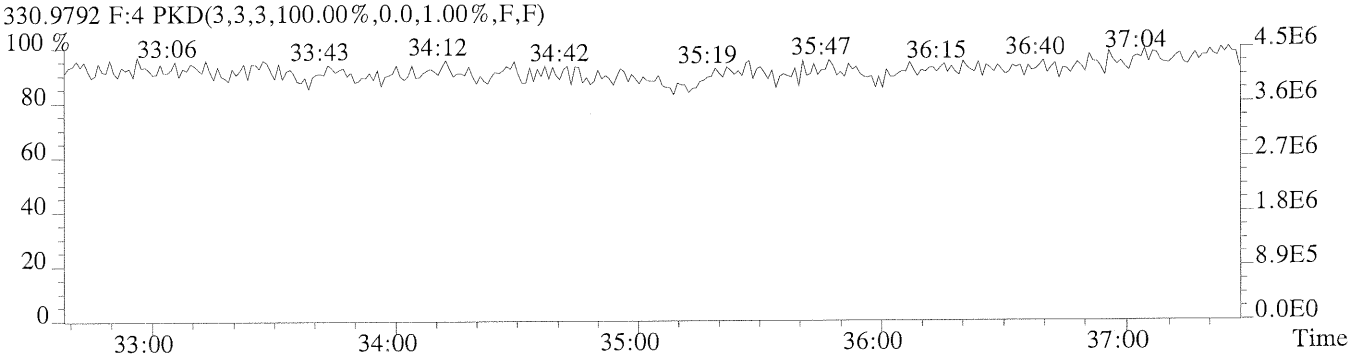
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1340.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1180.0,1.00%,F,T)

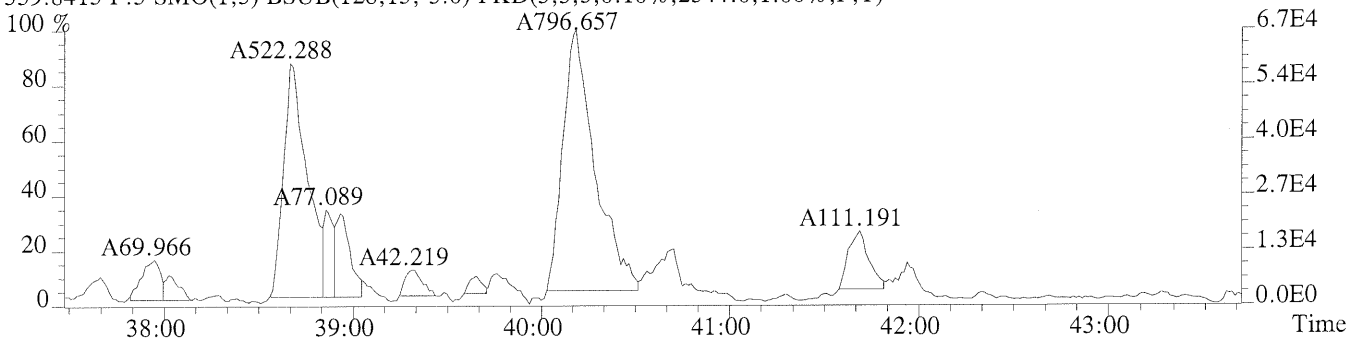


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

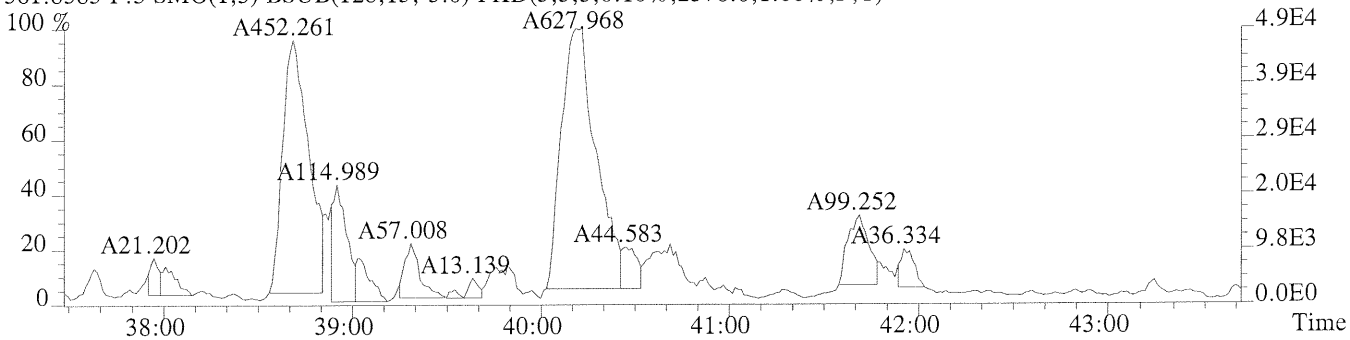


File:U142156 #1-398 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

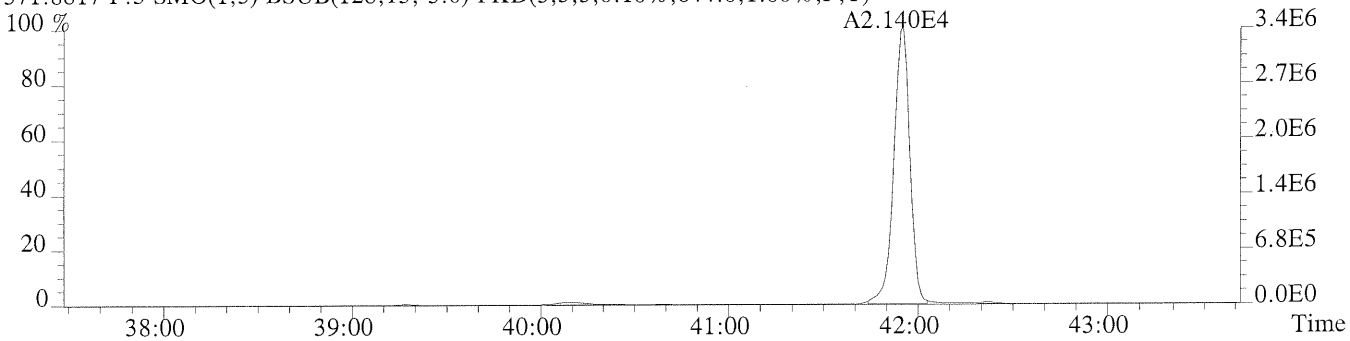
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2344.0,1.00%,F,T)



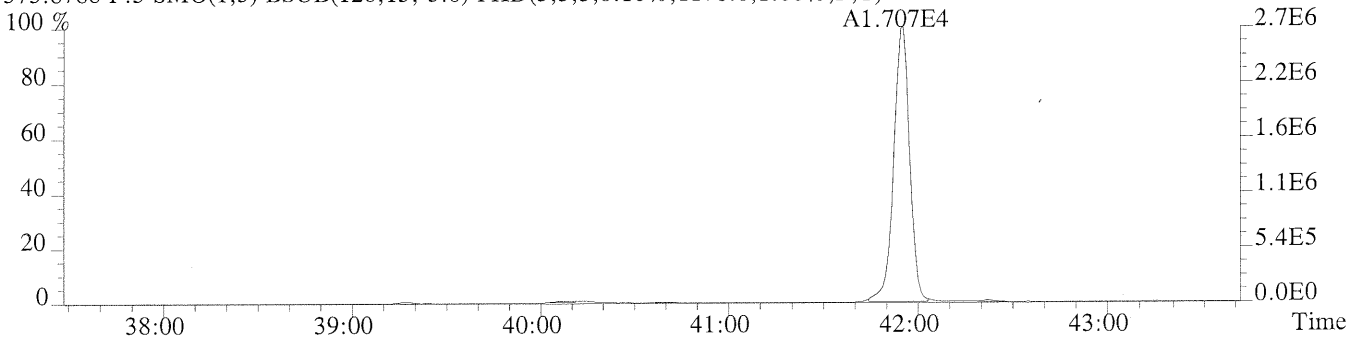
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2376.0,1.00%,F,T)



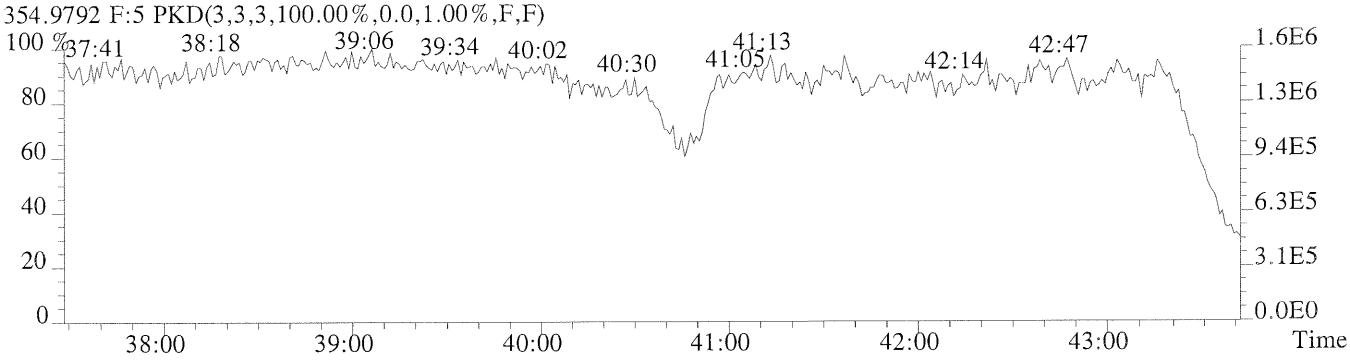
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,644.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1176.0,1.00%,F,T)

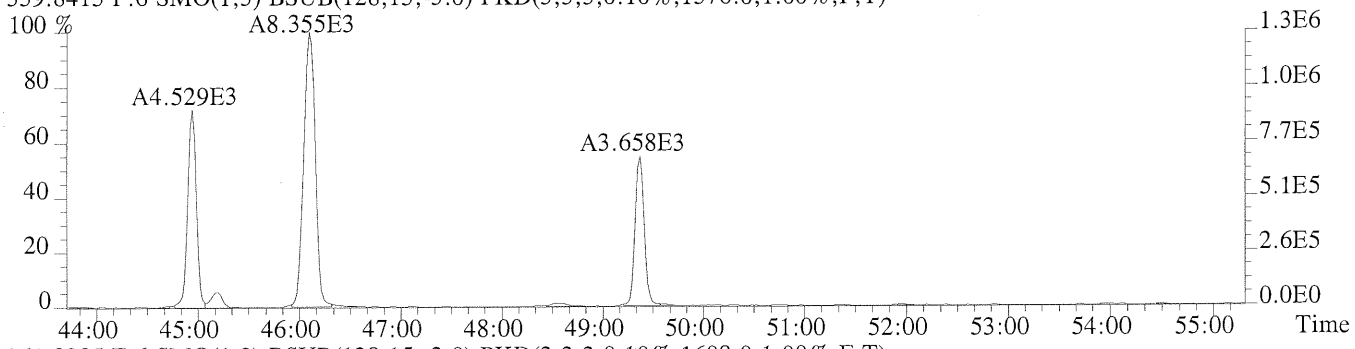


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

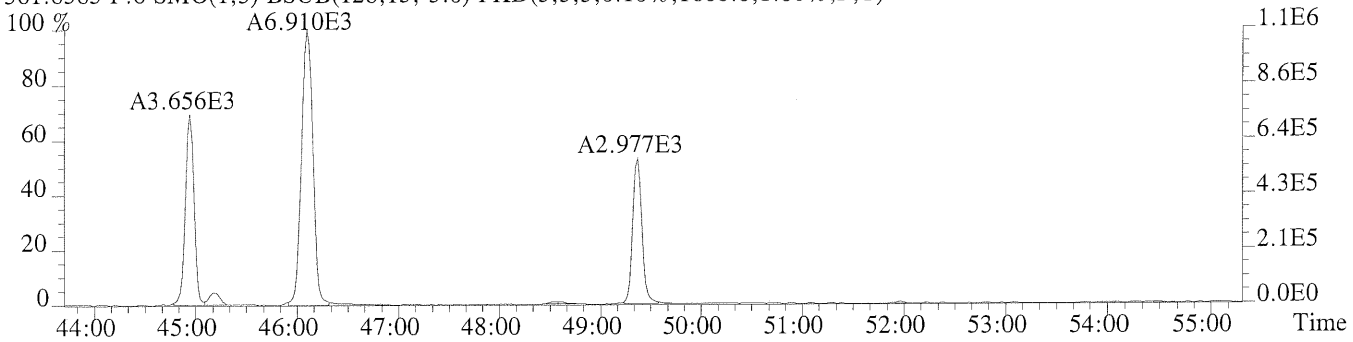


File:U142156 #1-575 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

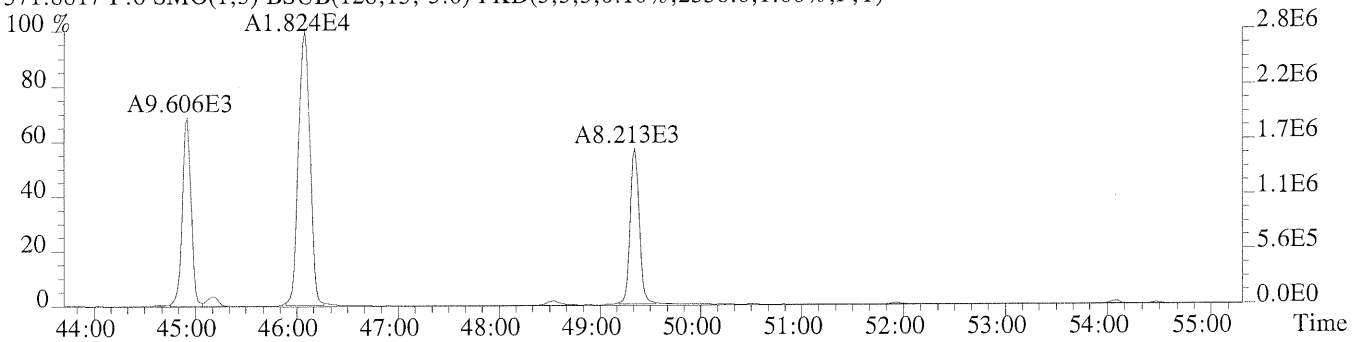
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1576.0,1.00%,F,T)



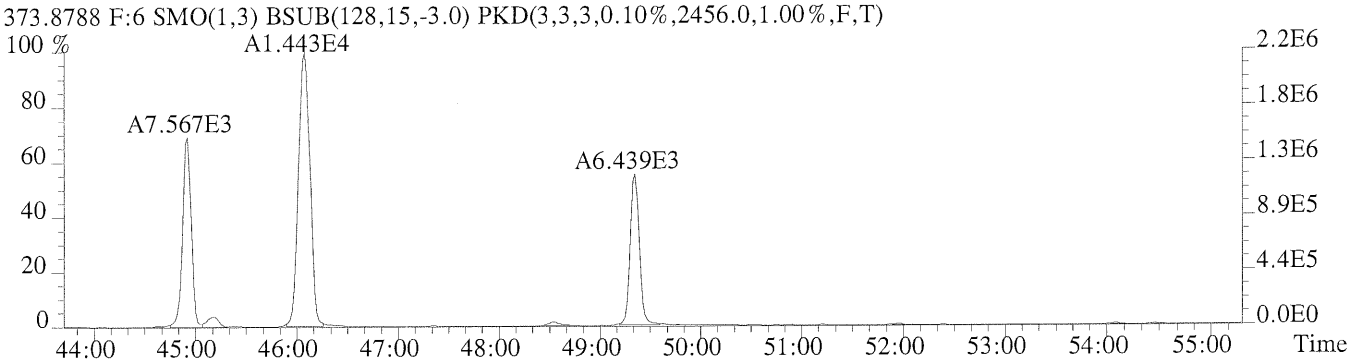
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1608.0,1.00%,F,T)



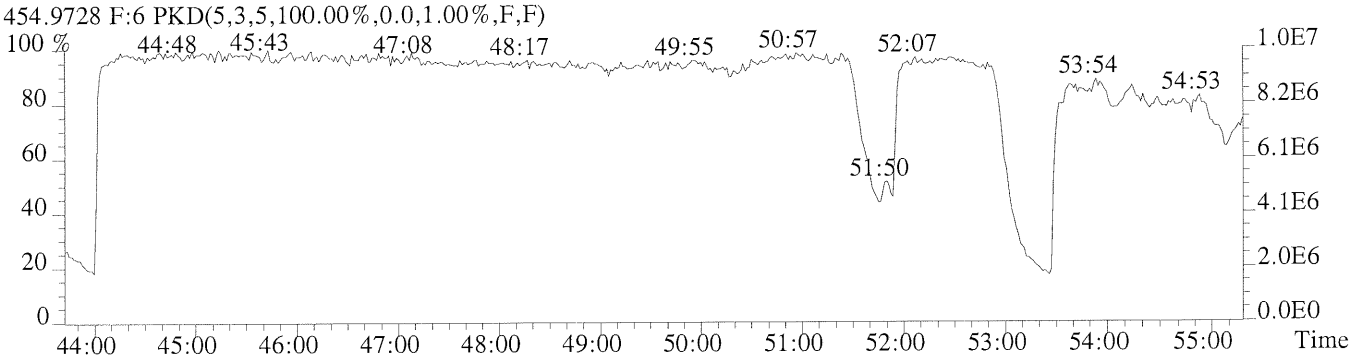
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2556.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2456.0,1.00%,F,T)

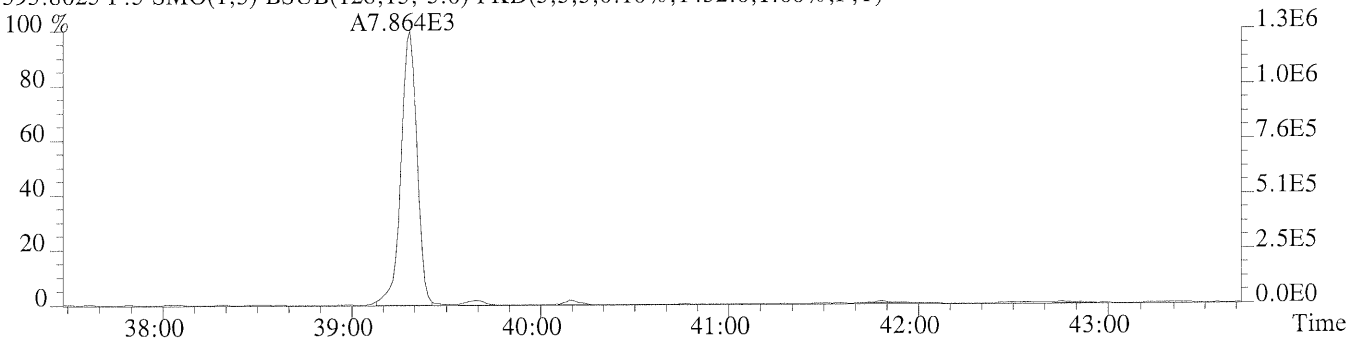


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

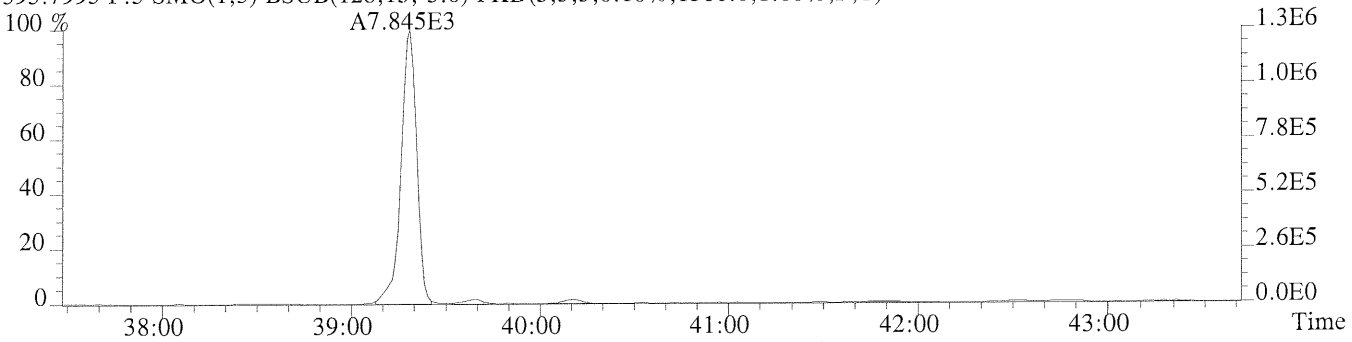


File:U142156 #1-398 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

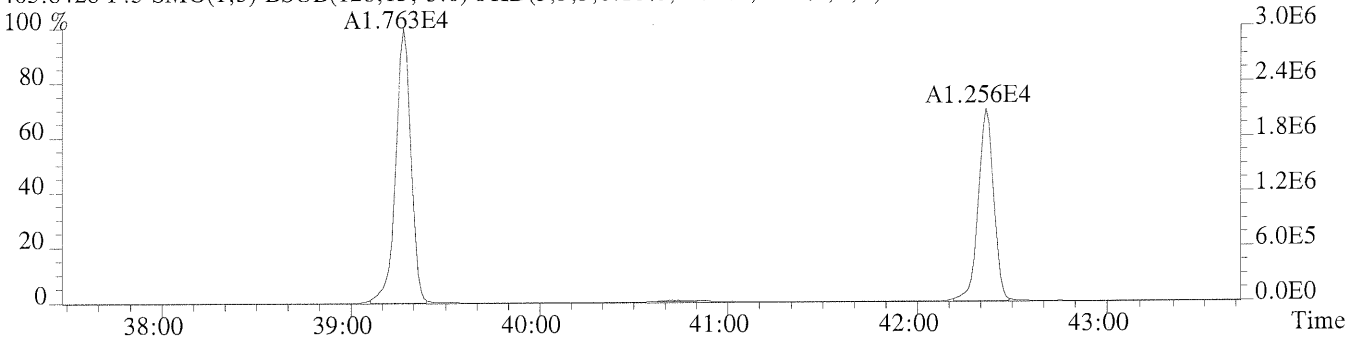
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1432.0,1.00%,F,T)



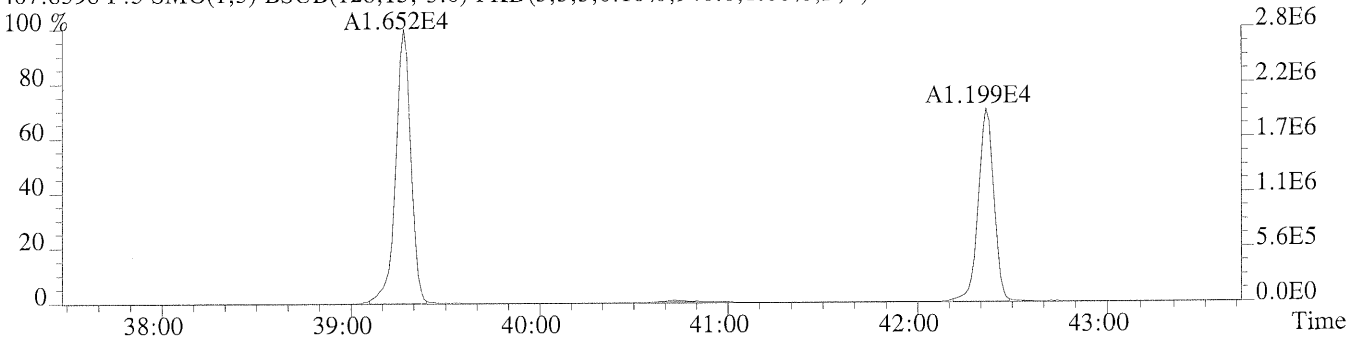
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1380.0,1.00%,F,T)



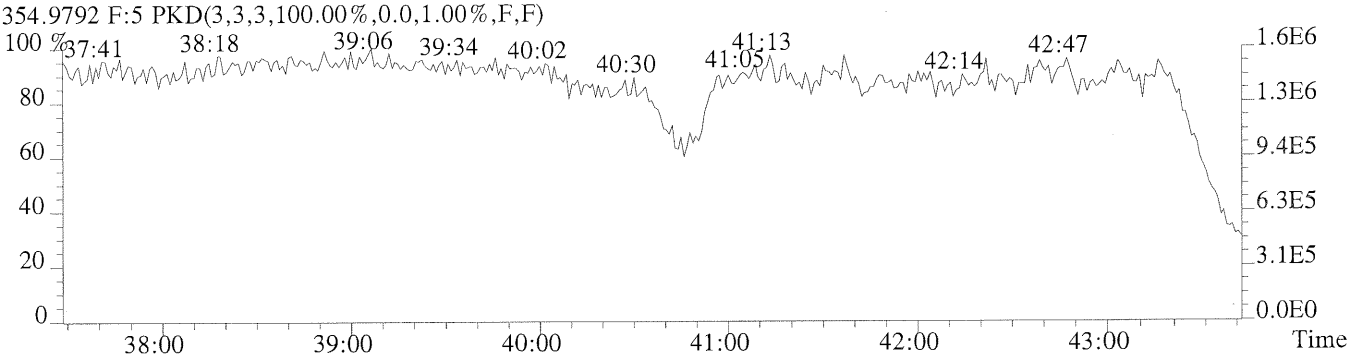
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1092.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,940.0,1.00%,F,T)

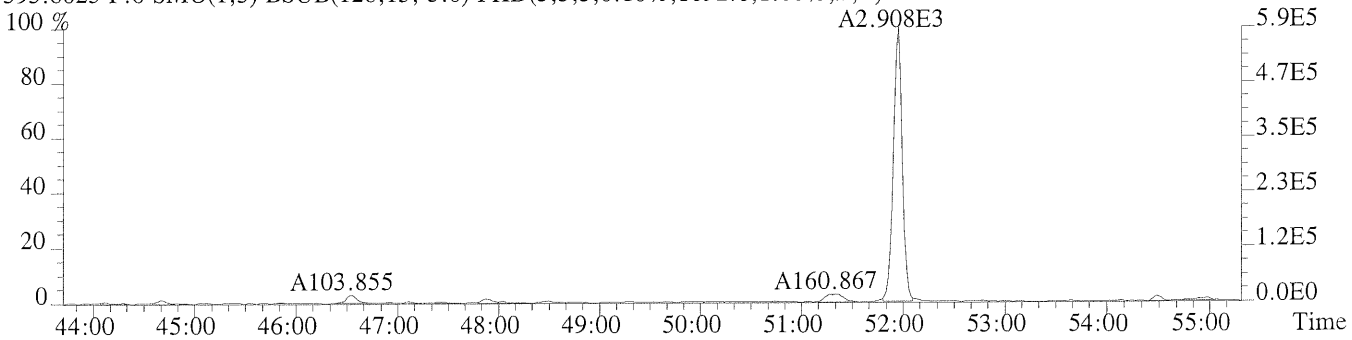


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

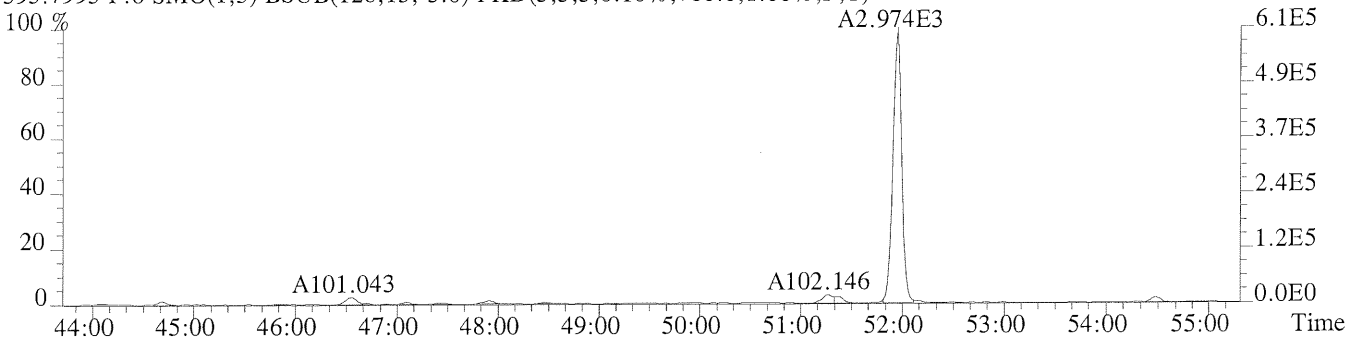


File:U142156 #1-575 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

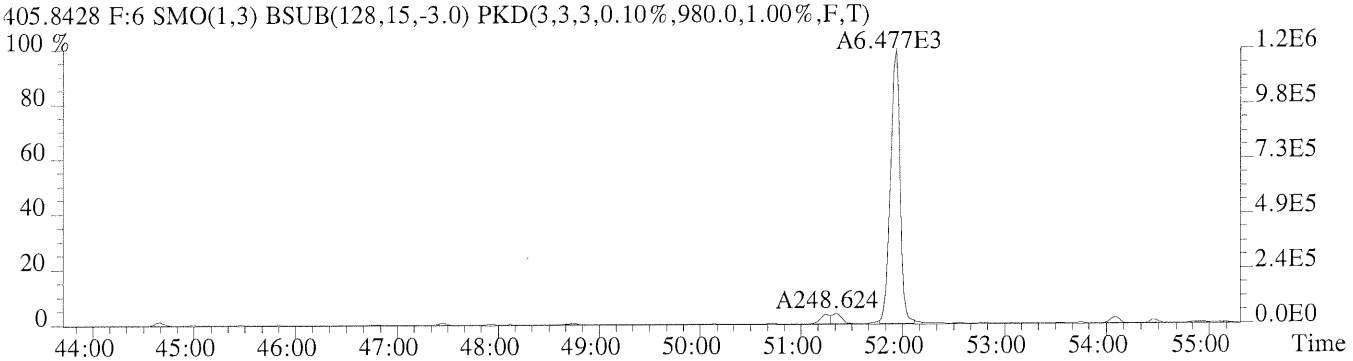
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1092.0,1.00%,F,T)



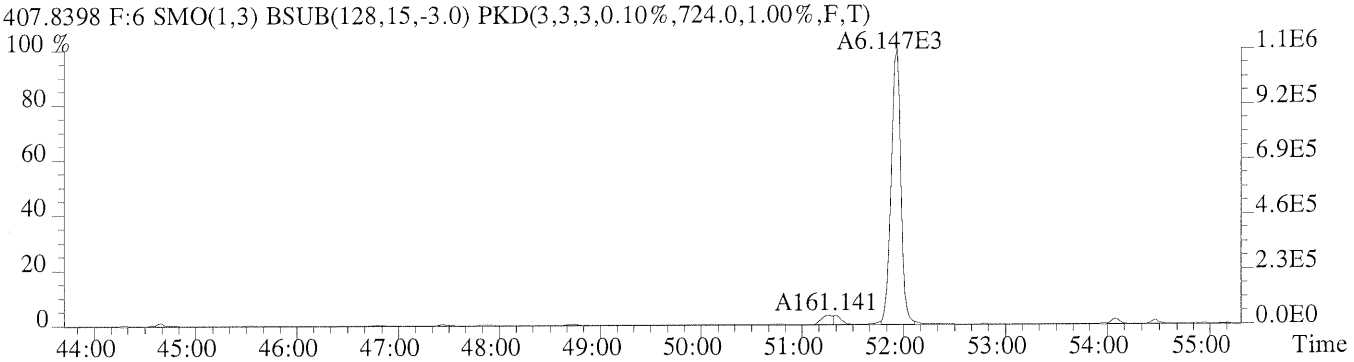
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



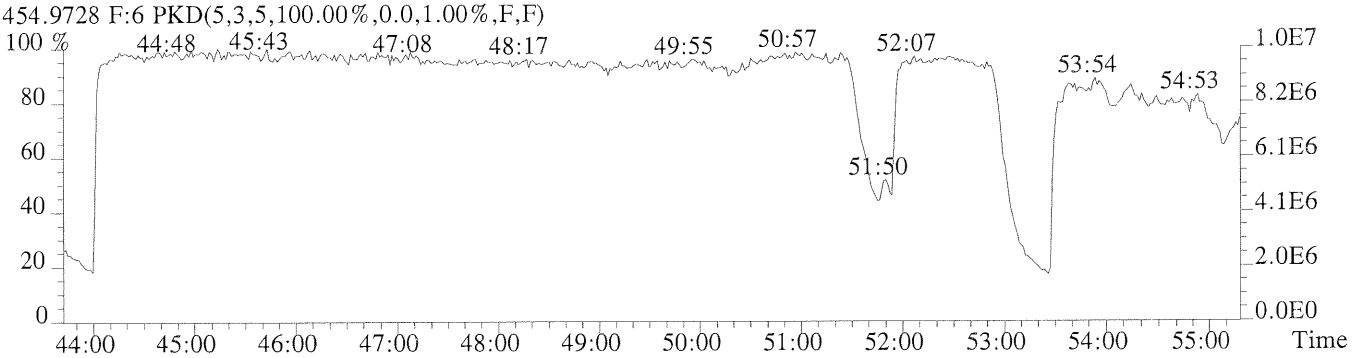
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,980.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)

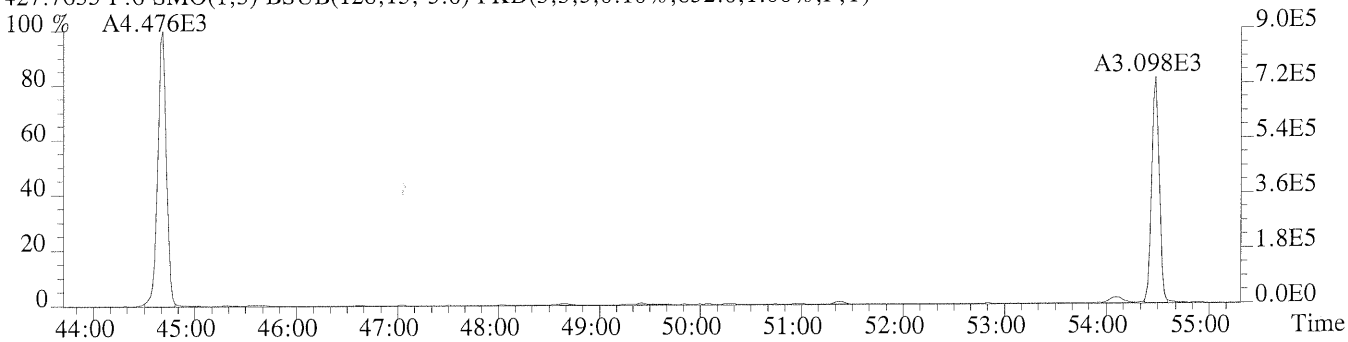


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

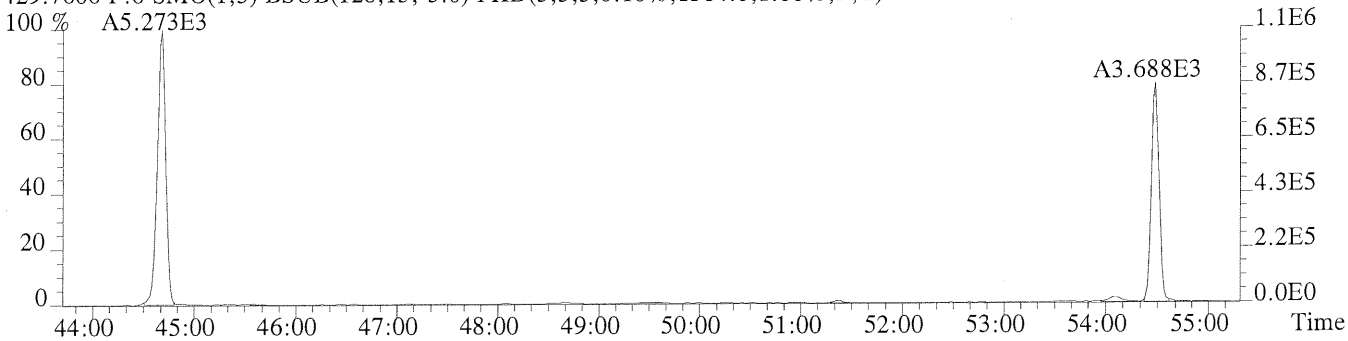


File:U142156 #1-575 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

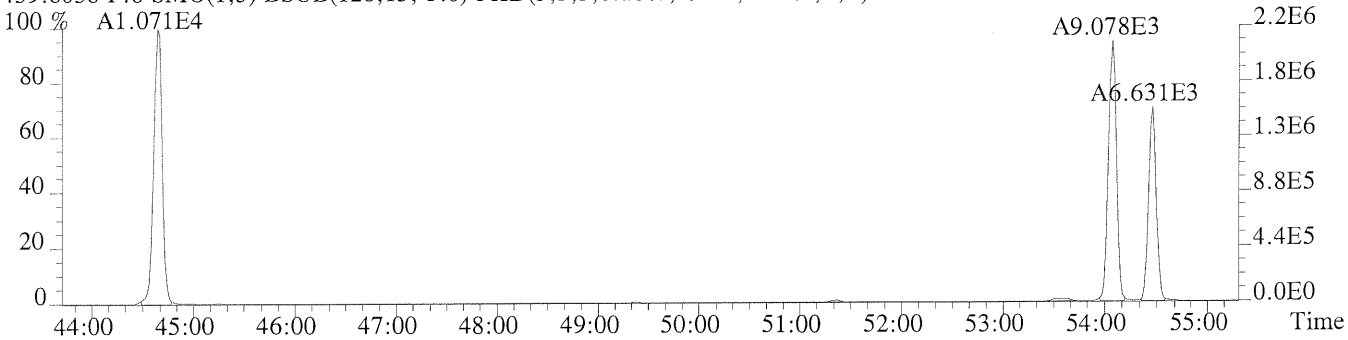
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,832.0,1.00%,F,T)



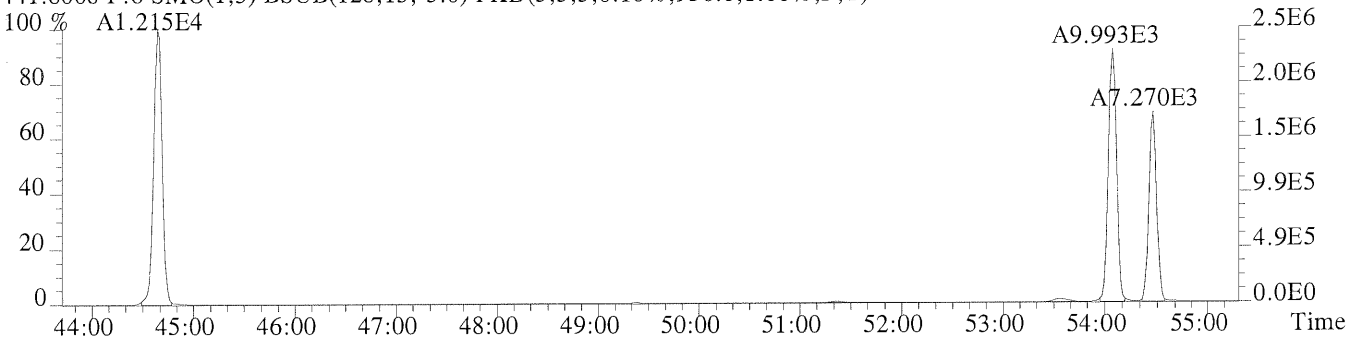
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1384.0,1.00%,F,T)



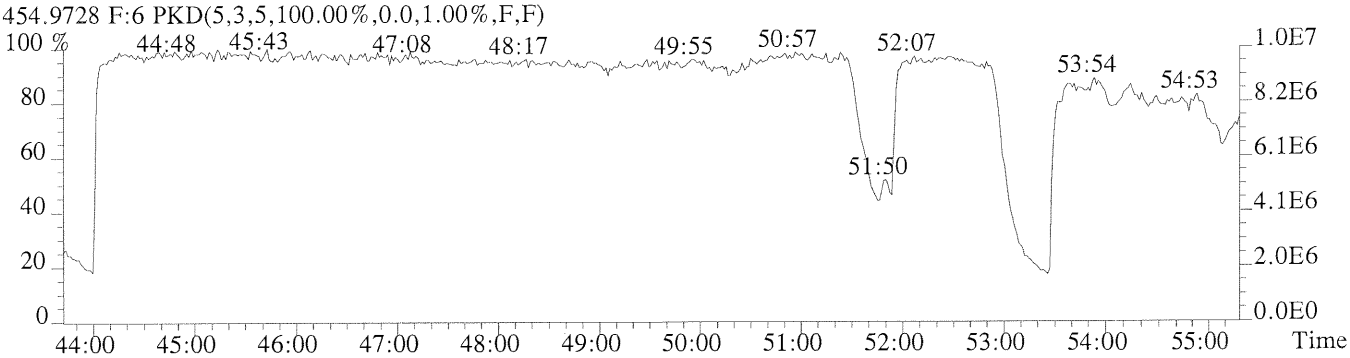
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,792.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,956.0,1.00%,F,T)

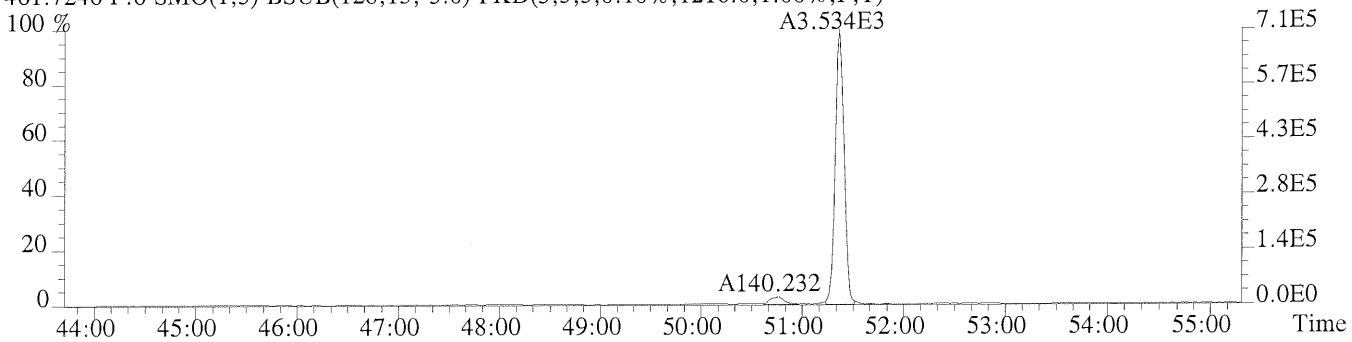


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

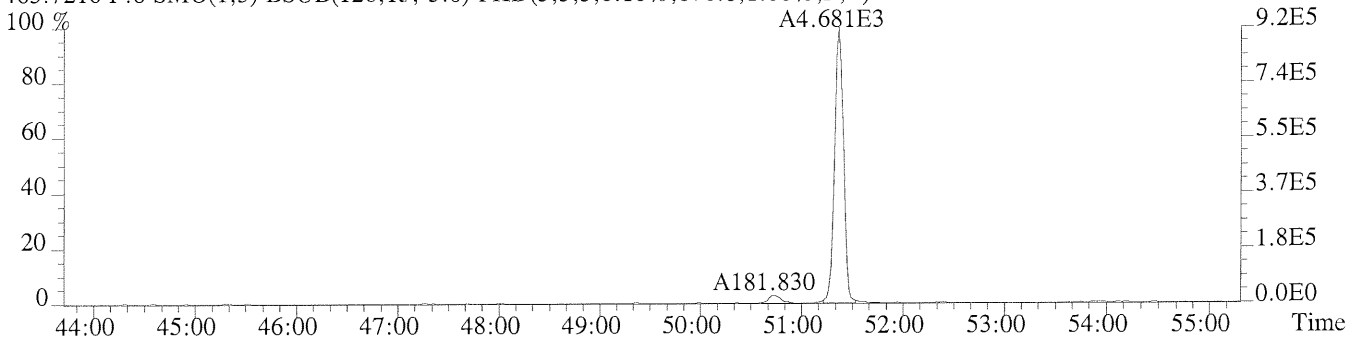


File:U142156 #1-575 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

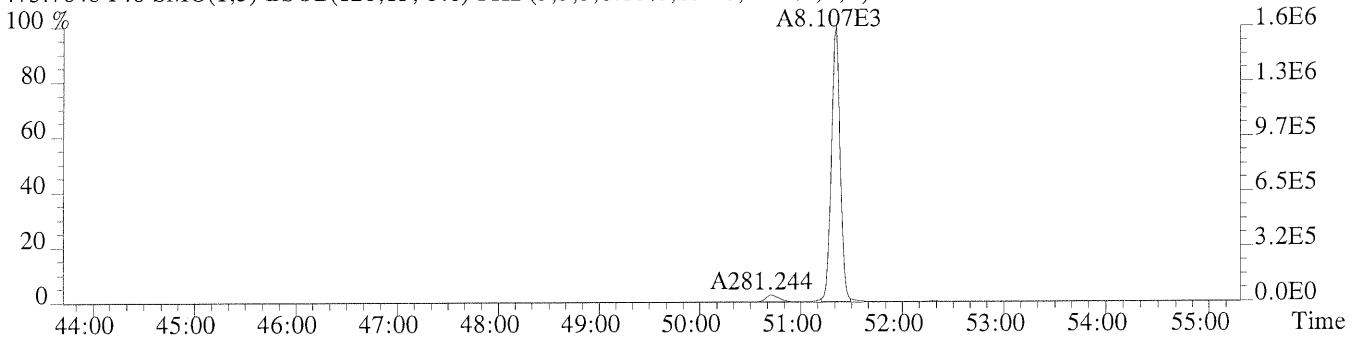
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1216.0,1.00%,F,T)



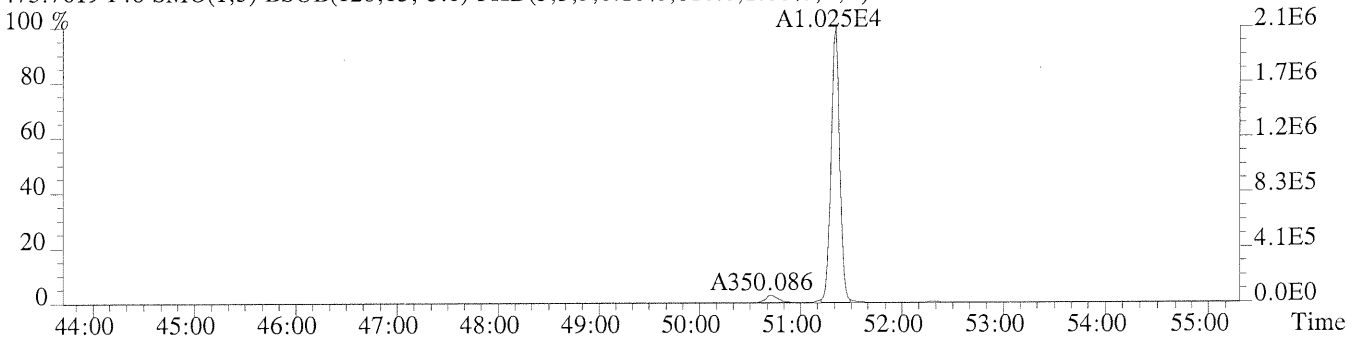
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)



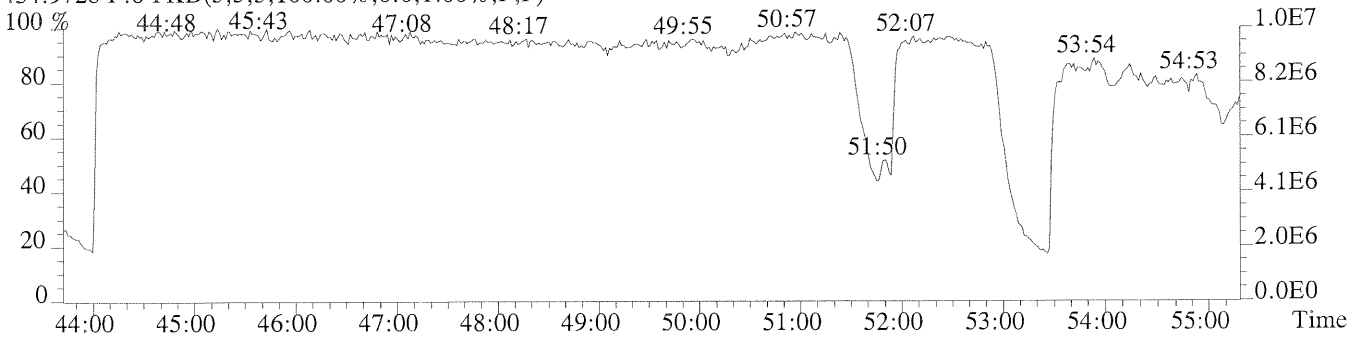
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,636.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,816.0,1.00%,F,T)

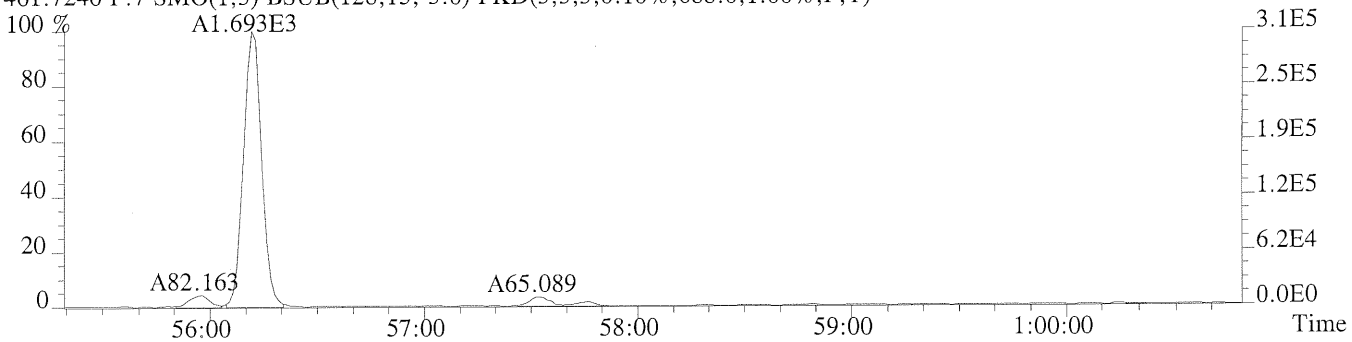


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

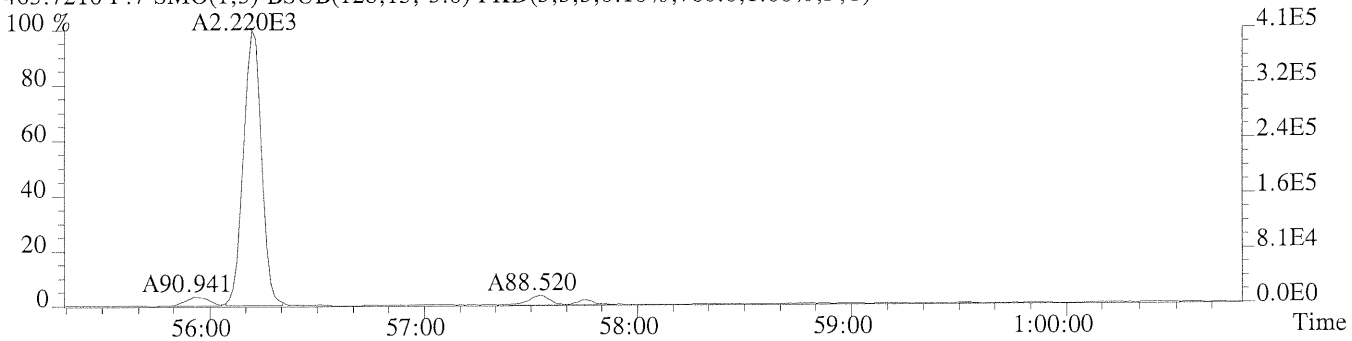


File:U142156 #1-310 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

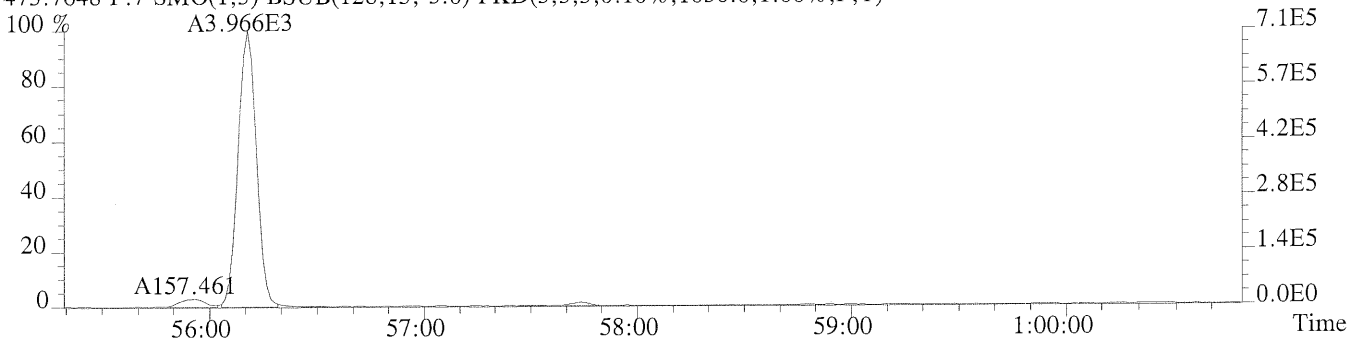
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,688.0,1.00%,F,T)



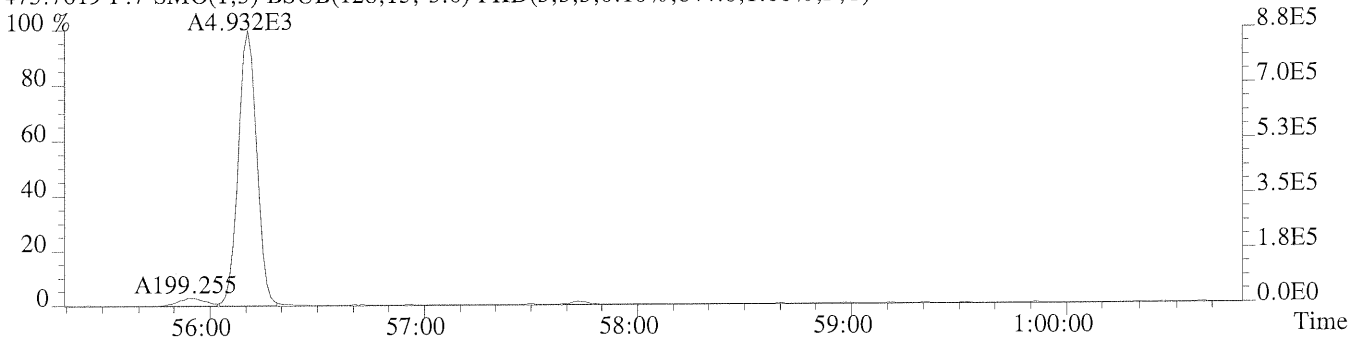
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,760.0,1.00%,F,T)



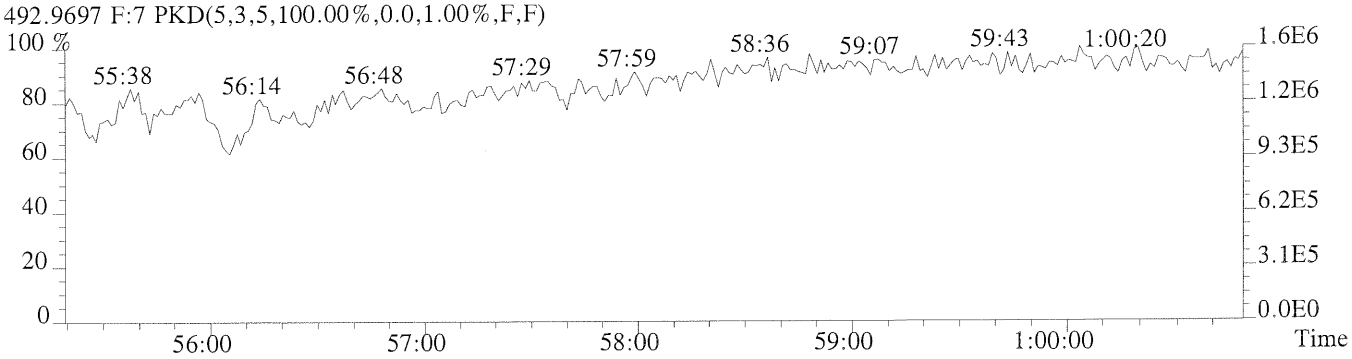
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1036.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)

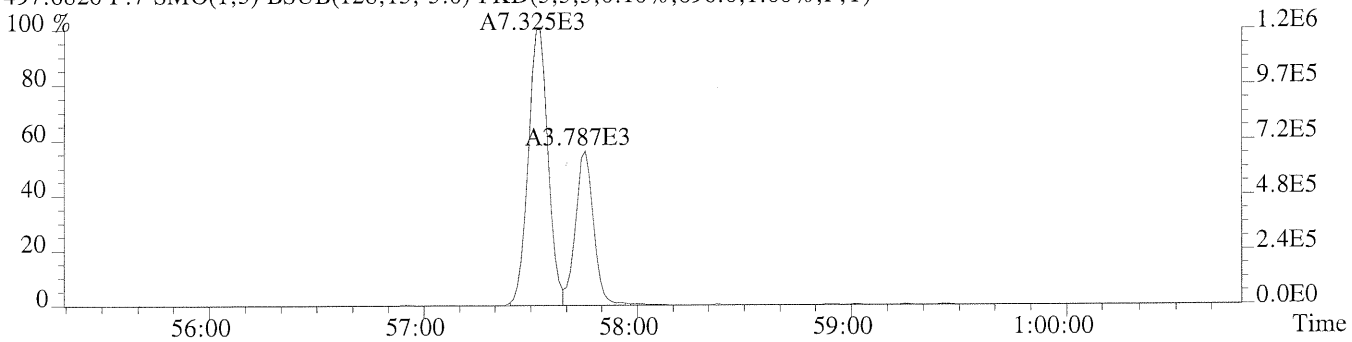


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

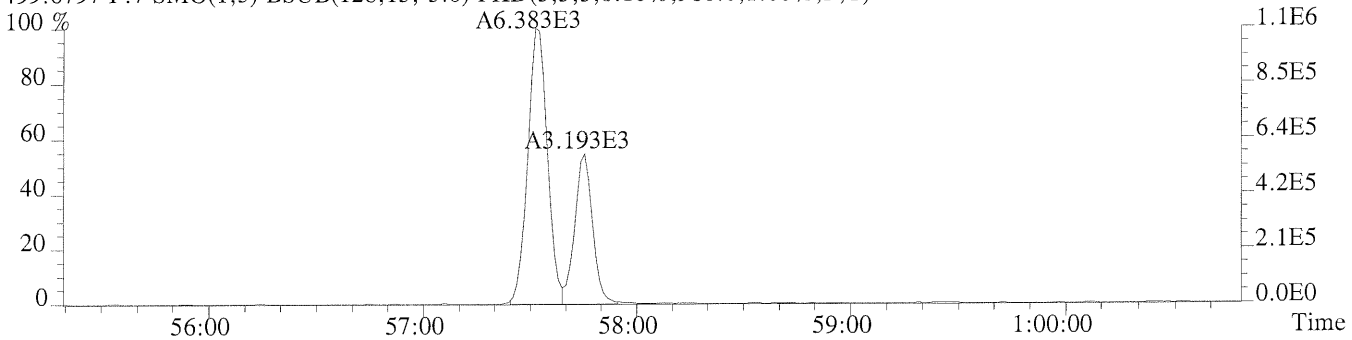


File:U142156 #1-310 Acq:22-NOV-2011 09:22:41 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-02 LCS

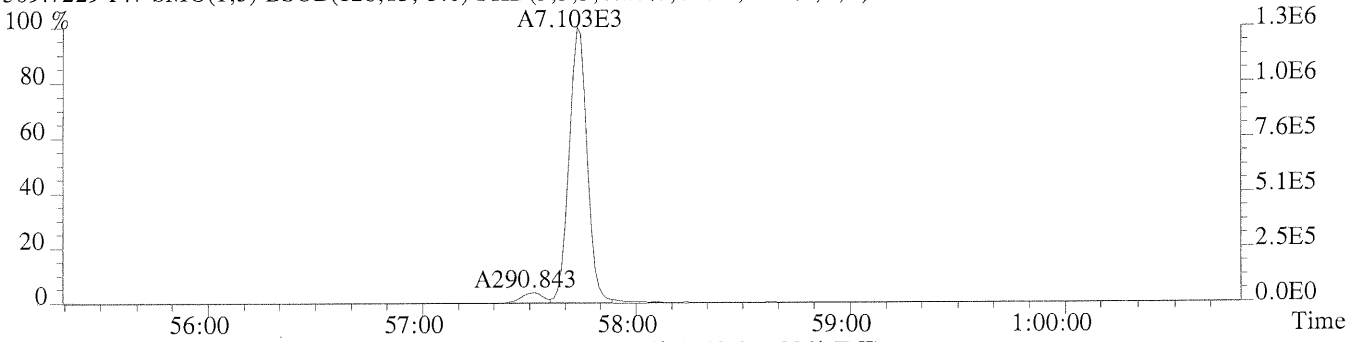
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,696.0,1.00%,F,T)



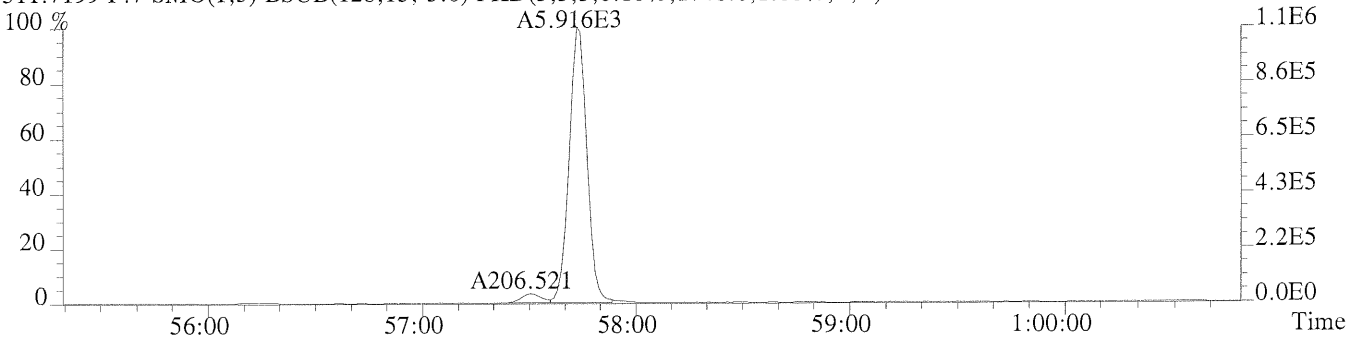
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,980.0,1.00%,F,T)



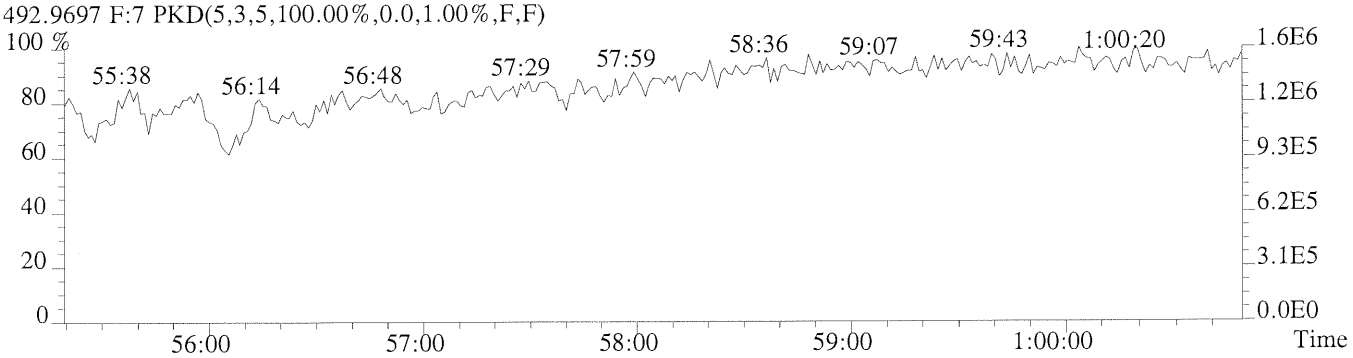
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1748.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
KC91-152U MS

Run #13 Filename U142161 Samp: 1 Inj: 1 Acquired: 22-NOV-11 15:23:09
Processed: 29-NOV-11 11:07:18 Sample ID: EQ1100541-03

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	13:21	1.186e+04	3.825e+03	3.10	y	n	1.071
2	1	PCB-2	NotFnd	*	*	*	n	n	1.004
3	1	PCB-3	15:38	1.263e+04	4.123e+03	3.06	y	n	1.036
4	1	PCB-4	15:52	9.135e+03	5.751e+03	1.59	y	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	1.968
6	2	PCB-9	NotFnd	*	*	*	n	n	1.083
7	2	PCB-7	NotFnd	*	*	*	n	n	1.027
8	2	PCB-6	NotFnd	*	*	*	n	n	1.162
9	2	PCB-5	NotFnd	*	*	*	n	n	0.915
10	2	PCB-8	NotFnd	*	*	*	n	n	1.243
11	2	PCB-14	NotFnd	*	*	*	n	n	1.131
12	2	PCB-11	21:18	1.184e+03	7.570e+02	1.56	y	n	1.034
13	2	PCB-12/13	NotFnd	*	*	*	n	n	0.988
14	2	PCB-15	21:56	8.881e+03	5.633e+03	1.58	y	y	0.977
15	2	PCB-19	19:05	5.572e+03	5.520e+03	1.01	y	n	1.001
16	2	PCB-18/30	21:00	1.006e+02	1.112e+02	0.91	y	y	1.386
17	2	PCB-17	21:25	4.469e+01	4.852e+01	0.92	y	y	1.075
18	2	PCB-27	NotFnd	*	*	*	n	n	1.675
19	2	PCB-24	NotFnd	*	*	*	n	n	1.490
20	2	PCB-16	21:53	3.507e+01	3.792e+01	0.92	y	y	0.872
21	2	PCB-32	22:24	4.487e+01	3.431e+01	1.31	n	y	1.748
22	3	PCB-34	NotFnd	*	*	*	n	n	1.403
23	3	PCB-23	NotFnd	*	*	*	n	n	1.296
24	3	PCB-26/29	NotFnd	*	*	*	n	y	1.354
25	3	PCB-25	NotFnd	*	*	*	n	n	1.418
26	3	PCB-31	24:42	1.263e+02	1.227e+02	1.03	y	y	1.399
27	3	PCB-20/28	25:00	1.267e+02	1.480e+02	0.86	n	y	1.298
28	3	PCB-21/33	25:14	7.145e+01	8.539e+01	0.84	n	y	1.361
29	3	PCB-22	25:39	3.652e+01	3.475e+01	1.05	y	y	1.202
30	3	PCB-36	NotFnd	*	*	*	n	n	1.412
31	3	PCB-39	NotFnd	*	*	*	n	n	1.306
32	3	PCB-38	NotFnd	*	*	*	n	n	1.302
33	3	PCB-35	NotFnd	*	*	*	n	n	1.275
34	3	PCB-37	29:03	7.499e+03	7.300e+03	1.03	y	n	1.089
35	2	PCB-54	22:14	6.746e+03	9.064e+03	0.74	y	n	1.002
36	3	PCB-50/53	24:26	3.548e+01	4.606e+01	0.77	y	y	1.161
37	3	PCB-45/51	NotFnd	*	*	*	n	n	1.130
38	3	PCB-46	NotFnd	*	*	*	n	n	0.939
39	3	PCB-52	26:51	1.580e+02	1.954e+02	0.81	y	y	1.276
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.211
41	3	PCB-49/69	27:21	6.096e+01	7.496e+01	0.81	y	y	1.368
42	3	PCB-48	NotFnd	*	*	*	n	y	1.138
43	3	PCB-44/47/65	27:49	2.232e+02	3.061e+02	0.73	y	y	1.252
44	3	PCB-59/62/75	NotFnd	*	*	*	n	n	1.513
45	3	PCB-42	NotFnd	*	*	*	n	y	1.099
46	3	PCB-40/41/71	28:53	3.152e+01	5.617e+01	0.56	n	y	1.136
47	3	PCB-64	29:06	3.854e+01	5.622e+01	0.69	y	y	1.573
48	3	PCB-72	NotFnd	*	*	*	n	n	1.602
49	3	PCB-68	30:15	4.917e+01	5.509e+01	0.89	n	y	1.574
50	3	PCB-57	NotFnd	*	*	*	n	n	1.462

51	3	PCB-58	NotFnd	*	*	*	n	n	1.396
52	3	PCB-67	NotFnd	*	*	*	n	n	1.472
53	3	PCB-63	NotFnd	*	*	*	n	n	1.467
54	3	PCB-61/70/74/76	31:38	1.332e+02	1.869e+02	0.71	y	y	1.431
55	3	PCB-66	32:00	5.829e+01	8.245e+01	0.71	y	y	1.475
56	3	PCB-55	NotFnd	*	*	*	n	n	1.369
57	4	PCB-56	32:40	3.994e+01	6.291e+01	0.63	n	y	0.889
58	4	PCB-60	NotFnd	*	*	*	n	y	1.113
59	4	PCB-80	NotFnd	*	*	*	n	n	1.216
60	4	PCB-79	NotFnd	*	*	*	n	n	1.191
61	4	PCB-78	NotFnd	*	*	*	n	n	1.069
62	4	PCB-81	35:52	5.109e+03	6.410e+03	0.80	y	n	1.034
63	4	PCB-77	36:26	4.965e+03	6.266e+03	0.79	y	n	0.995
64	3	PCB-104	27:48	1.029e+04	6.789e+03	1.52	y	n	1.030
65	3	PCB-96	NotFnd	*	*	*	n	n	1.715
66	3	PCB-103	NotFnd	*	*	*	n	n	1.443
67	3	PCB-94	NotFnd	*	*	*	n	n	1.156
68	3	PCB-95	30:47	1.601e+02	1.045e+02	1.53	y	y	1.328
69	3	PCB-93/100	NotFnd	*	*	*	n	n	1.213
70	3	PCB-98/102	NotFnd	*	*	*	n	n	1.236
71	3	PCB-88/91	NotFnd	*	*	*	n	n	1.254
72	3	PCB-84	NotFnd	*	*	*	n	y	1.046
73	3	PCB-89	NotFnd	*	*	*	n	n	1.240
74	4	PCB-121	NotFnd	*	*	*	n	n	1.497
75	4	PCB-92	33:10	2.290e+01	1.840e+01	1.24	n	y	1.115
76	4	PCB-90/101/113	33:45	1.614e+02	1.163e+02	1.39	y	y	1.208
77	4	PCB-83/99	34:20	6.395e+01	4.669e+01	1.37	y	y	1.030
78	4	PCB-112	NotFnd	*	*	*	n	n	1.560
79	4	PCB-86/87/97/109/119/125	34:52	8.105e+01	5.989e+01	1.35	y	y	1.206
80	4	PCB-117	NotFnd	*	*	*	n	n	1.070
81	4	PCB-85/116	NotFnd	*	*	*	n	y	1.352
82	4	PCB-110/115	35:44	1.515e+02	9.286e+01	1.63	y	y	1.384
83	4	PCB-82	NotFnd	*	*	*	n	y	0.922
84	4	PCB-111	NotFnd	*	*	*	n	n	1.325
85	4	PCB-120	NotFnd	*	*	*	n	n	1.425
86	5	PCB-108/124	NotFnd	*	*	*	n	n	1.016
87	5	PCB-107	NotFnd	*	*	*	n	n	1.028
88	5	PCB-123	38:25	6.393e+03	3.944e+03	1.62	y	n	1.018
89	5	PCB-106	NotFnd	*	*	*	n	n	1.046
90	5	PCB-118	38:45	6.458e+03	4.176e+03	1.55	y	n	0.997
91	5	PCB-122	NotFnd	*	*	*	n	n	0.934
92	5	PCB-114	39:17	6.020e+03	3.760e+03	1.60	y	y	0.991
93	5	PCB-105	39:55	5.827e+03	3.644e+03	1.60	y	y	1.011
94	5	PCB-127	NotFnd	*	*	*	n	n	0.908
95	5	PCB-126	43:02	4.491e+03	2.897e+03	1.55	y	y	0.960
96	4	PCB-155	33:31	9.271e+03	7.542e+03	1.23	y	n	0.988
97	4	PCB-152	NotFnd	*	*	*	n	n	2.314
98	4	PCB-150	NotFnd	*	*	*	n	n	2.233
99	4	PCB-136	NotFnd	*	*	*	n	n	2.253
100	4	PCB-145	NotFnd	*	*	*	n	n	2.133
101	4	PCB-148	NotFnd	*	*	*	n	n	1.715
102	4	PCB-135/151	NotFnd	*	*	*	n	n	1.644
103	4	PCB-154	NotFnd	*	*	*	n	n	1.860
104	4	PCB-144	NotFnd	*	*	*	n	n	1.697
105	5	PCB-147/149	37:36	3.681e+01	2.414e+01	1.52	n	y	1.341
106	5	PCB-134	NotFnd	*	*	*	n	n	1.083
107	5	PCB-143	NotFnd	*	*	*	n	n	1.340

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.341
109	5	PCB-131	NotFnd	*	*	*	n	n	1.189
110	5	PCB-142	NotFnd	*	*	*	n	n	1.185
111	5	PCB-132	NotFnd	*	*	*	n	n	1.149
112	5	PCB-133	39:15	8.817e+01	5.137e+01	1.72	n	y	1.260
113	5	PCB-165	NotFnd	*	*	*	n	n	1.502
114	5	PCB-146	NotFnd	*	*	*	n	n	1.383
115	5	PCB-161	NotFnd	*	*	*	n	n	1.737
116	5	PCB-153/168	40:36	3.032e+01	3.465e+01	0.88	n	y	1.519
117	5	PCB-141	NotFnd	*	*	*	n	n	1.233
118	5	PCB-130	NotFnd	*	*	*	n	n	1.187
119	5	PCB-137	NotFnd	*	*	*	n	n	1.541
120	5	PCB-164	NotFnd	*	*	*	n	n	1.541
121	5	PCB-129/138/163	41:53	5.483e+01	4.394e+01	1.25	y	y	1.238
122	5	PCB-160	NotFnd	*	*	*	n	n	1.515
123	5	PCB-158	NotFnd	*	*	*	n	n	1.614
124	5	PCB-128/166	NotFnd	*	*	*	n	n	1.281
125	6	PCB-159	NotFnd	*	*	*	n	n	0.910
126	6	PCB-162	NotFnd	*	*	*	n	n	0.452
127	6	PCB-167	44:54	3.364e+03	2.636e+03	1.28	y	n	1.008
128	6	PCB-156/157	46:02	5.890e+03	4.734e+03	1.24	y	n	1.006
129	6	PCB-169	49:17	2.117e+03	1.700e+03	1.25	y	n	0.992
130	5	PCB-188	39:15	6.895e+03	6.842e+03	1.01	y	n	0.990
131	5	PCB-179	39:35	1.274e+02	1.145e+02	1.11	y	n	1.556
132	5	PCB-184	40:08	9.012e+01	7.867e+01	1.15	y	n	1.593
133	5	PCB-176	NotFnd	*	*	*	n	n	1.527
134	5	PCB-186	NotFnd	*	*	*	n	n	1.425
135	5	PCB-178	NotFnd	*	*	*	n	n	1.087
136	5	PCB-175	NotFnd	*	*	*	n	n	1.138
137	5	PCB-187	NotFnd	*	*	*	n	n	1.158
138	5	PCB-182	NotFnd	*	*	*	n	n	1.120
139	6	PCB-183	NotFnd	*	*	*	n	n	0.770
140	6	PCB-185	NotFnd	*	*	*	n	n	0.612
141	6	PCB-174	NotFnd	*	*	*	n	n	0.619
142	6	PCB-177	44:37	4.116e+01	3.881e+01	1.06	y	n	0.581
143	6	PCB-181	NotFnd	*	*	*	n	n	0.614
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.575
145	6	PCB-172	NotFnd	*	*	*	n	n	0.566
146	6	PCB-192	NotFnd	*	*	*	n	n	0.689
147	6	PCB-180/193	NotFnd	*	*	*	n	n	0.666
148	6	PCB-191	NotFnd	*	*	*	n	n	0.759
149	6	PCB-170	NotFnd	*	*	*	n	n	0.524
150	6	PCB-190	NotFnd	*	*	*	n	n	0.699
151	6	PCB-189	51:48	1.858e+03	1.845e+03	1.01	y	n	0.863
152	6	PCB-202	44:38	3.290e+03	3.811e+03	0.86	y	n	0.863
153	6	PCB-201	NotFnd	*	*	*	n	n	1.375
154	6	PCB-204	NotFnd	*	*	*	n	n	1.323
155	6	PCB-197	NotFnd	*	*	*	n	n	1.282
156	6	PCB-200	NotFnd	*	*	*	n	n	1.320
157	6	PCB-198/199	NotFnd	*	*	*	n	n	0.857
158	6	PCB-196	NotFnd	*	*	*	n	n	0.867
159	6	PCB-203	NotFnd	*	*	*	n	n	0.915
160	6	PCB-195	51:18	3.654e+01	3.409e+01	1.07	n	y	0.774
161	6	PCB-194	NotFnd	*	*	*	n	n	0.763
162	6	PCB-205	54:22	1.630e+03	1.784e+03	0.91	y	n	0.889
163	6	PCB-208	51:18	1.867e+03	2.447e+03	0.76	y	n	0.880
164	6	PCB-207	NotFnd	*	*	*	n	n	1.335

Filename U142161 Acquired: 22-NOV-11 15:23:09

165	7	PCB-206	56:05	9.463e+02	1.254e+03	0.75	y	n	0.931
166	7	PCB-209	57:40	1.639e+03	1.374e+03	1.19	y	n	0.894
167	1	PCB-1L	13:20	2.704e+04	9.017e+03	3.00	y	n	1.220
168	1	PCB-3L	15:37	2.866e+04	9.076e+03	3.16	y	n	1.173
169	1	PCB-4L	15:51	1.784e+04	1.146e+04	1.56	y	n	0.803
170	2	PCB-15L	21:55	1.998e+04	1.275e+04	1.57	y	n	0.962
171	2	PCB-19L	19:04	1.273e+04	1.242e+04	1.02	y	n	0.636
172	3	PCB-37L	29:03	1.540e+04	1.530e+04	1.01	y	n	1.144
173	2	PCB-54L	22:11	1.422e+04	1.766e+04	0.81	y	n	1.140
174	4	PCB-81L	35:50	1.040e+04	1.325e+04	0.78	y	n	0.947
175	4	PCB-77L	36:25	1.105e+04	1.391e+04	0.79	y	n	0.949
176	3	PCB-104L	27:46	2.258e+04	1.422e+04	1.59	y	n	1.397
177	5	PCB-123L	38:24	1.295e+04	8.190e+03	1.58	y	n	1.029
178	5	PCB-118L	38:44	1.379e+04	8.473e+03	1.63	y	n	1.077
179	5	PCB-114L	39:15	1.291e+04	7.913e+03	1.63	y	n	1.075
180	5	PCB-105L	39:54	1.173e+04	7.566e+03	1.55	y	n	1.013
181	5	PCB-126L	43:01	9.409e+03	5.889e+03	1.60	y	n	0.898
182	4	PCB-155L	33:29	2.062e+04	1.633e+04	1.26	y	n	1.637
183	6	PCB-167L	44:52	6.940e+03	5.330e+03	1.30	y	n	0.882
184	6	PCB-156/157L	46:01	1.263e+04	1.010e+04	1.25	y	n	0.818
185	6	PCB-169L	49:16	4.614e+03	3.853e+03	1.20	y	n	0.716
186	5	PCB-188L	39:14	1.566e+04	1.491e+04	1.05	y	n	2.358
187	6	PCB-189L	51:46	4.350e+03	4.200e+03	1.04	y	n	1.307
188	6	PCB-202L	44:37	8.072e+03	8.907e+03	0.91	y	n	1.804
189	6	PCB-205L	54:20	3.335e+03	3.679e+03	0.91	y	n	1.363
190	6	PCB-208L	51:16	4.268e+03	5.296e+03	0.81	y	n	1.337
191	7	PCB-206L	56:04	2.292e+03	2.851e+03	0.80	y	n	0.998
192	7	PCB-209L	57:39	3.120e+03	2.607e+03	1.20	y	n	1.563
193	3	PCB-28L	24:58	2.119e+04	2.038e+04	1.04	y	n	1.387
194	4	PCB-111L	36:27	2.047e+04	1.316e+04	1.56	y	n	1.238
195	5	PCB-178L	42:18	9.789e+03	9.316e+03	1.05	y	n	0.953
196	2	PCB-9L	17:54	3.407e+04	2.192e+04	1.55	y	n	-
197	3	PCB-52L	26:50	2.331e+04	2.999e+04	0.78	y	n	-
198	4	PCB-101L	33:44	2.768e+04	1.761e+04	1.57	y	n	-
199	5	PCB-138L	41:51	1.699e+04	1.368e+04	1.24	y	n	-
200	6	PCB-194L	53:51	4.586e+03	5.022e+03	0.91	y	n	-

-- Sample Calculation--

$$\text{PCB-209} = \frac{(1.639e+03 + 1.374e+03) \times 10000 \text{ pg} \times 1}{(3.120e+03 + 2.607e+03) \times (10.0 \text{ mL}) \times (1\text{L} / 1000 \text{ mL}) \times 0.8938} = 583 \text{ pg/L}$$

12/07/11

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sp166respb
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
KC91-152U MS

Run #13 Filename U142161#1 Samp: 1 Inj: 1 Acquired: 22-NOV-11 15:23:09

Processed: 29-NOV-11 11:07:18 LAB. ID: EQ1100541-03

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	2.98e+06	1.36e+03	2.2e+03	9.59e+05	1.13e+03	8.5e+02
2	PCB-2	*	1.36e+03	*	*	1.13e+03	*
3	PCB-3	2.37e+06	1.36e+03	1.7e+03	7.66e+05	1.13e+03	6.8e+02
4	PCB-4	1.85e+06	1.28e+03	1.4e+03	1.19e+06	1.14e+04	1.0e+02
5	PCB-10	*	1.28e+03	*	*	1.14e+04	*
6	PCB-9	*	1.39e+03	*	*	7.98e+03	*
7	PCB-7	*	1.39e+03	*	*	7.98e+03	*
8	PCB-6	*	1.39e+03	*	*	7.98e+03	*
9	PCB-5	*	1.39e+03	*	*	7.98e+03	*
10	PCB-8	*	1.39e+03	*	*	7.98e+03	*
11	PCB-14	*	1.39e+03	*	*	7.98e+03	*
12	PCB-11	2.16e+05	1.39e+03	1.6e+02	1.38e+05	7.98e+03	1.7e+01
13	PCB-12/13	*	1.39e+03	*	*	7.98e+03	*
14	PCB-15	1.57e+06	1.39e+03	1.1e+03	1.01e+06	7.98e+03	1.3e+02
15	PCB-19	1.12e+06	1.40e+03	7.9e+02	1.12e+06	1.15e+03	9.8e+02
16	PCB-18/30	1.88e+04	1.40e+03	1.3e+01	2.04e+04	1.15e+03	1.8e+01
17	PCB-17	1.03e+04	1.40e+03	7.3e+00	1.05e+04	1.15e+03	9.1e+00
18	PCB-27	*	1.40e+03	*	*	1.15e+03	*
19	PCB-24	*	1.40e+03	*	*	1.15e+03	*
20	PCB-16	5.98e+03	1.40e+03	4.3e+00	7.50e+03	1.15e+03	6.5e+00
21	PCB-32	7.84e+03	1.40e+03	5.6e+00	7.27e+03	1.15e+03	6.3e+00
22	PCB-34	*	1.44e+03	*	*	1.03e+03	*
23	PCB-23	*	1.44e+03	*	*	1.03e+03	*
24	PCB-26/29	*	1.44e+03	*	*	1.03e+03	*
25	PCB-25	*	1.44e+03	*	*	1.03e+03	*
26	PCB-31	2.28e+04	1.44e+03	1.6e+01	2.07e+04	1.03e+03	2.0e+01
27	PCB-20/28	2.07e+04	1.44e+03	1.4e+01	2.31e+04	1.03e+03	2.2e+01
28	PCB-21/33	1.25e+04	1.44e+03	8.7e+00	1.41e+04	1.03e+03	1.4e+01
29	PCB-22	7.88e+03	1.44e+03	5.5e+00	7.83e+03	1.03e+03	7.6e+00
30	PCB-36	*	1.44e+03	*	*	1.03e+03	*
31	PCB-39	*	1.44e+03	*	*	1.03e+03	*
32	PCB-38	*	1.44e+03	*	*	1.03e+03	*
33	PCB-35	*	1.44e+03	*	*	1.03e+03	*
34	PCB-37	1.15e+06	1.44e+03	8.0e+02	1.13e+06	1.03e+03	1.1e+03
35	PCB-54	1.33e+06	9.04e+02	1.5e+03	1.78e+06	9.16e+02	1.9e+03
36	PCB-50/53	5.44e+03	1.25e+03	4.4e+00	6.87e+03	1.18e+03	5.8e+00
37	PCB-45/51	*	1.25e+03	*	*	1.18e+03	*
38	PCB-46	*	1.25e+03	*	*	1.18e+03	*
39	PCB-52	2.81e+04	1.25e+03	2.3e+01	3.41e+04	1.18e+03	2.9e+01
40	PCB-43/73	*	1.25e+03	*	*	1.18e+03	*
41	PCB-49/69	1.13e+04	1.25e+03	9.1e+00	1.48e+04	1.18e+03	1.3e+01
42	PCB-48	*	1.25e+03	*	*	1.18e+03	*
43	PCB-44/47/65	2.28e+04	1.25e+03	1.8e+01	2.99e+04	1.18e+03	2.5e+01
44	PCB-59/62/75	*	1.25e+03	*	*	1.18e+03	*
45	PCB-42	*	1.25e+03	*	*	1.18e+03	*
46	PCB-40/41/71	4.13e+03	1.25e+03	3.3e+00	7.53e+03	1.18e+03	6.4e+00
47	PCB-64	7.40e+03	1.25e+03	5.9e+00	1.04e+04	1.18e+03	8.8e+00

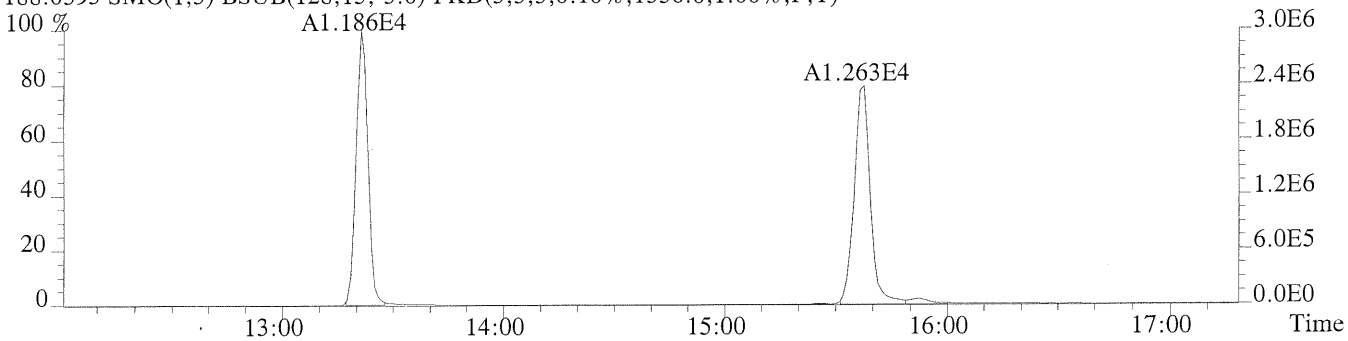
48	PCB-72	*	1.25e+03	*	*	1.18e+03	*
49	PCB-68	9.23e+03	1.25e+03	7.4e+00	1.04e+04	1.18e+03	8.8e+00
50	PCB-57	*	1.25e+03	*	*	1.18e+03	*
51	PCB-58	*	1.25e+03	*	*	1.18e+03	*
52	PCB-67	*	1.25e+03	*	*	1.18e+03	*
53	PCB-63	*	1.25e+03	*	*	1.18e+03	*
54	PCB-61/70/74/76	1.66e+04	1.25e+03	1.3e+01	2.62e+04	1.18e+03	2.2e+01
55	PCB-66	8.99e+03	1.25e+03	7.2e+00	1.45e+04	1.18e+03	1.2e+01
56	PCB-55	*	1.25e+03	*	*	1.18e+03	*
57	PCB-56	9.02e+03	8.20e+02	1.1e+01	1.18e+04	7.60e+02	1.6e+01
58	PCB-60	*	8.20e+02	*	*	7.60e+02	*
59	PCB-80	*	8.20e+02	*	*	7.60e+02	*
60	PCB-79	*	8.20e+02	*	*	7.60e+02	*
61	PCB-78	*	8.20e+02	*	*	7.60e+02	*
62	PCB-81	8.37e+05	8.20e+02	1.0e+03	1.06e+06	7.60e+02	1.4e+03
63	PCB-77	7.85e+05	8.20e+02	9.6e+02	9.88e+05	7.60e+02	1.3e+03
64	PCB-104	1.84e+06	1.23e+03	1.5e+03	1.21e+06	8.36e+02	1.4e+03
65	PCB-96	*	1.23e+03	*	*	8.36e+02	*
66	PCB-103	*	1.23e+03	*	*	8.36e+02	*
67	PCB-94	*	1.23e+03	*	*	8.36e+02	*
68	PCB-95	2.95e+04	1.23e+03	2.4e+01	2.06e+04	8.36e+02	2.5e+01
69	PCB-93/100	*	1.23e+03	*	*	8.36e+02	*
70	PCB-98/102	*	1.23e+03	*	*	8.36e+02	*
71	PCB-88/91	*	1.23e+03	*	*	8.36e+02	*
72	PCB-84	*	1.23e+03	*	*	8.36e+02	*
73	PCB-89	*	1.23e+03	*	*	8.36e+02	*
74	PCB-121	*	8.92e+02	*	*	7.16e+02	*
75	PCB-92	4.93e+03	8.92e+02	5.5e+00	3.53e+03	7.16e+02	4.9e+00
76	PCB-90/101/113	2.66e+04	8.92e+02	3.0e+01	2.03e+04	7.16e+02	2.8e+01
77	PCB-83/99	9.89e+03	8.92e+02	1.1e+01	7.48e+03	7.16e+02	1.0e+01
78	PCB-112	*	8.92e+02	*	*	7.16e+02	*
79	CB-86/87/97/109/119/125	7.77e+03	8.92e+02	8.7e+00	7.18e+03	7.16e+02	1.0e+01
80	PCB-117	*	8.92e+02	*	*	7.16e+02	*
81	PCB-85/116	*	8.92e+02	*	*	7.16e+02	*
82	PCB-110/115	2.46e+04	8.92e+02	2.8e+01	1.69e+04	7.16e+02	2.4e+01
83	PCB-82	*	8.92e+02	*	*	7.16e+02	*
84	PCB-111	*	8.92e+02	*	*	7.16e+02	*
85	PCB-120	*	8.92e+02	*	*	7.16e+02	*
86	PCB-108/124	*	1.33e+03	*	*	7.93e+03	*
87	PCB-107	*	1.33e+03	*	*	7.93e+03	*
88	PCB-123	1.12e+06	1.33e+03	8.4e+02	6.85e+05	7.93e+03	8.6e+01
89	PCB-106	*	1.33e+03	*	*	7.93e+03	*
90	PCB-118	1.09e+06	1.33e+03	8.2e+02	7.11e+05	7.93e+03	9.0e+01
91	PCB-122	*	1.33e+03	*	*	7.93e+03	*
92	PCB-114	9.95e+05	1.33e+03	7.5e+02	6.42e+05	7.93e+03	8.1e+01
93	PCB-105	9.88e+05	1.33e+03	7.4e+02	6.22e+05	7.93e+03	7.8e+01
94	PCB-127	*	1.33e+03	*	*	7.93e+03	*
95	PCB-126	7.04e+05	1.33e+03	5.3e+02	4.47e+05	7.93e+03	5.6e+01
96	PCB-155	1.68e+06	1.06e+03	1.6e+03	1.36e+06	7.08e+02	1.9e+03
97	PCB-152	*	1.06e+03	*	*	7.08e+02	*
98	PCB-150	*	1.06e+03	*	*	7.08e+02	*
99	PCB-136	*	1.06e+03	*	*	7.08e+02	*
100	PCB-145	*	1.06e+03	*	*	7.08e+02	*
101	PCB-148	*	1.06e+03	*	*	7.08e+02	*
102	PCB-135/151	*	1.06e+03	*	*	7.08e+02	*
103	PCB-154	*	1.06e+03	*	*	7.08e+02	*
104	PCB-144	*	1.06e+03	*	*	7.08e+02	*

105	PCB-147/149	6.46e+03	1.29e+03	5.0e+00	6.25e+03	7.32e+02	8.5e+00
106	PCB-134	*	1.29e+03	*	*	7.32e+02	*
107	PCB-143	*	1.29e+03	*	*	7.32e+02	*
108	PCB-139/140	*	1.29e+03	*	*	7.32e+02	*
109	PCB-131	*	1.29e+03	*	*	7.32e+02	*
110	PCB-142	*	1.29e+03	*	*	7.32e+02	*
111	PCB-132	*	1.29e+03	*	*	7.32e+02	*
112	PCB-133	1.49e+04	1.29e+03	1.2e+01	9.74e+03	7.32e+02	1.3e+01
113	PCB-165	*	1.29e+03	*	*	7.32e+02	*
114	PCB-146	*	1.29e+03	*	*	7.32e+02	*
115	PCB-161	*	1.29e+03	*	*	7.32e+02	*
116	PCB-153/168	6.71e+03	1.29e+03	5.2e+00	5.68e+03	7.32e+02	7.8e+00
117	PCB-141	*	1.29e+03	*	*	7.32e+02	*
118	PCB-130	*	1.29e+03	*	*	7.32e+02	*
119	PCB-137	*	1.29e+03	*	*	7.32e+02	*
120	PCB-164	*	1.29e+03	*	*	7.32e+02	*
121	PCB-129/138/163	8.74e+03	1.29e+03	6.8e+00	8.12e+03	7.32e+02	1.1e+01
122	PCB-160	*	1.29e+03	*	*	7.32e+02	*
123	PCB-158	*	1.29e+03	*	*	7.32e+02	*
124	PCB-128/166	*	1.29e+03	*	*	7.32e+02	*
125	PCB-159	*	3.57e+03	*	*	2.39e+03	*
126	PCB-162	*	3.57e+03	*	*	2.39e+03	*
127	PCB-167	6.81e+05	3.57e+03	1.9e+02	5.37e+05	2.39e+03	2.3e+02
128	PCB-156/157	9.15e+05	3.57e+03	2.6e+02	7.20e+05	2.39e+03	3.0e+02
129	PCB-169	4.10e+05	3.57e+03	1.1e+02	3.32e+05	2.39e+03	1.4e+02
130	PCB-188	1.18e+06	1.14e+03	1.0e+03	1.19e+06	1.46e+03	8.2e+02
131	PCB-179	2.32e+04	1.14e+03	2.0e+01	2.16e+04	1.46e+03	1.5e+01
132	PCB-184	1.49e+04	1.14e+03	1.3e+01	1.60e+04	1.46e+03	1.1e+01
133	PCB-176	*	1.14e+03	*	*	1.46e+03	*
134	PCB-186	*	1.14e+03	*	*	1.46e+03	*
135	PCB-178	*	1.14e+03	*	*	1.46e+03	*
136	PCB-175	*	1.14e+03	*	*	1.46e+03	*
137	PCB-187	*	1.14e+03	*	*	1.46e+03	*
138	PCB-182	*	1.14e+03	*	*	1.46e+03	*
139	PCB-183	*	1.36e+03	*	*	1.22e+03	*
140	PCB-185	*	1.36e+03	*	*	1.22e+03	*
141	PCB-174	*	1.36e+03	*	*	1.22e+03	*
142	PCB-177	8.79e+03	1.36e+03	6.5e+00	8.48e+03	1.22e+03	7.0e+00
143	PCB-181	*	1.36e+03	*	*	1.22e+03	*
144	PCB-171/173	*	1.36e+03	*	*	1.22e+03	*
145	PCB-172	*	1.36e+03	*	*	1.22e+03	*
146	PCB-192	*	1.36e+03	*	*	1.22e+03	*
147	PCB-180/193	*	1.36e+03	*	*	1.22e+03	*
148	PCB-191	*	1.36e+03	*	*	1.22e+03	*
149	PCB-170	*	1.36e+03	*	*	1.22e+03	*
150	PCB-190	*	1.36e+03	*	*	1.22e+03	*
151	PCB-189	3.71e+05	1.36e+03	2.7e+02	3.70e+05	1.22e+03	3.0e+02
152	PCB-202	7.04e+05	1.05e+03	6.7e+02	8.06e+05	1.29e+03	6.2e+02
153	PCB-201	*	1.05e+03	*	*	1.29e+03	*
154	PCB-204	*	1.05e+03	*	*	1.29e+03	*
155	PCB-197	*	1.05e+03	*	*	1.29e+03	*
156	PCB-200	*	1.05e+03	*	*	1.29e+03	*
157	PCB-198/199	*	1.05e+03	*	*	1.29e+03	*
158	PCB-196	*	1.05e+03	*	*	1.29e+03	*
159	PCB-203	*	1.05e+03	*	*	1.29e+03	*
160	PCB-195	7.37e+03	1.05e+03	7.0e+00	8.33e+03	1.29e+03	6.4e+00
161	PCB-194	*	1.05e+03	*	*	1.29e+03	*
162	PCB-205	3.24e+05	1.05e+03	3.1e+02	3.59e+05	1.29e+03	2.8e+02

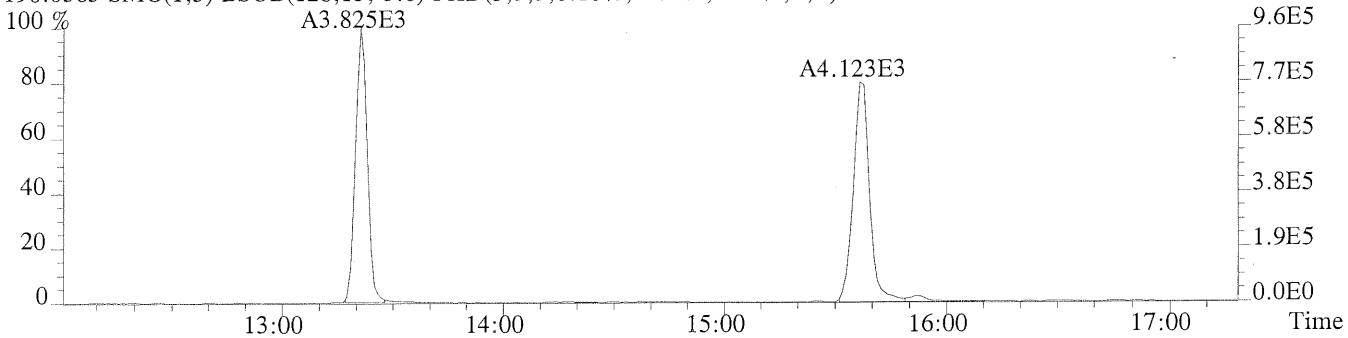
163	PCB-208	3.72e+05	9.48e+02	3.9e+02	4.96e+05	1.02e+03	4.9e+02
164	PCB-207	*	9.48e+02	*	*	1.02e+03	*
165	PCB-206	1.76e+05	7.96e+02	2.2e+02	2.32e+05	7.92e+02	2.9e+02
166	PCB-209	2.91e+05	9.16e+02	3.2e+02	2.49e+05	8.36e+02	3.0e+02
167	PCB-1L	6.69e+06	1.68e+03	4.0e+03	2.25e+06	1.70e+04	1.3e+02
168	PCB-3L	5.40e+06	1.68e+03	3.2e+03	1.73e+06	1.70e+04	1.0e+02
169	PCB-4L	3.68e+06	1.40e+03	2.6e+03	2.36e+06	1.43e+03	1.7e+03
170	PCB-15L	3.59e+06	2.11e+03	1.7e+03	2.25e+06	1.86e+03	1.2e+03
171	PCB-19L	2.56e+06	1.16e+04	2.2e+02	2.50e+06	7.23e+03	3.5e+02
[illegible]	PCB-37L	2.41e+06	9.35e+03	2.6e+02	2.38e+06	7.18e+03	3.3e+02
[illegible]	PCB-54L	2.87e+06	1.76e+03	1.6e+03	3.56e+06	9.36e+02	3.8e+03
[illegible]	PCB-81L	1.65e+06	1.87e+03	8.8e+02	2.12e+06	8.76e+02	2.4e+03
[illegible]	PCB-77L	1.65e+06	1.87e+03	8.8e+02	2.08e+06	8.76e+02	2.4e+03
176	PCB-104L	4.04e+06	9.52e+02	4.2e+03	2.53e+06	8.68e+02	2.9e+03
177	PCB-123L	2.22e+06	5.11e+03	4.3e+02	1.42e+06	6.86e+03	2.1e+02
178	PCB-118L	2.25e+06	5.11e+03	4.4e+02	1.39e+06	6.86e+03	2.0e+02
179	PCB-114L	2.17e+06	5.11e+03	4.2e+02	1.35e+06	6.86e+03	2.0e+02
180	PCB-105L	1.98e+06	5.11e+03	3.9e+02	1.27e+06	6.86e+03	1.9e+02
181	PCB-126L	1.47e+06	5.11e+03	2.9e+02	9.05e+05	6.86e+03	1.3e+02
182	PCB-155L	3.75e+06	1.26e+03	3.0e+03	2.97e+06	8.80e+02	3.4e+03
183	PCB-167L	1.44e+06	5.65e+03	2.6e+02	1.12e+06	3.93e+03	2.8e+02
184	PCB-156/157L	1.94e+06	5.65e+03	3.4e+02	1.59e+06	3.93e+03	4.0e+02
185	PCB-169L	8.97e+05	5.65e+03	1.6e+02	7.39e+05	3.93e+03	1.9e+02
186	PCB-188L	2.74e+06	8.60e+02	3.2e+03	2.62e+06	7.92e+02	3.3e+03
187	PCB-189L	8.70e+05	1.11e+03	7.8e+02	8.36e+05	8.88e+02	9.4e+02
188	PCB-202L	1.71e+06	1.57e+03	1.1e+03	1.89e+06	1.03e+03	1.8e+03
189	PCB-205L	6.62e+05	1.57e+03	4.2e+02	7.32e+05	1.03e+03	7.1e+02
[illegible]	PCB-208L	8.63e+05	1.19e+03	7.3e+02	1.08e+06	1.20e+03	9.0e+02
[illegible]	PCB-206L	4.19e+05	1.30e+03	3.2e+02	5.22e+05	9.92e+02	5.3e+02
[illegible]	PCB-209L	5.41e+05	6.64e+02	8.1e+02	4.61e+05	7.88e+02	5.9e+02
[illegible]	PCB-28L	3.59e+06	9.35e+03	3.8e+02	3.47e+06	7.18e+03	4.8e+02
[illegible]	PCB-111L	3.57e+06	2.33e+03	1.5e+03	2.29e+06	1.55e+03	1.5e+03
[illegible]	PCB-178L	1.70e+06	8.60e+02	2.0e+03	1.61e+06	7.92e+02	2.0e+03
196	PCB-9L	6.96e+06	2.11e+03	3.3e+03	4.52e+06	1.86e+03	2.4e+03
197	PCB-52L	4.20e+06	1.39e+03	3.0e+03	5.31e+06	1.49e+03	3.6e+03
198	PCB-101L	4.80e+06	2.33e+03	2.1e+03	3.03e+06	1.55e+03	2.0e+03
199	PCB-138L	2.87e+06	9.12e+02	3.2e+03	2.29e+06	6.40e+02	3.6e+03
200	PCB-194L	9.20e+05	1.57e+03	5.9e+02	1.01e+06	1.03e+03	9.8e+02

File:U142161 #1-341 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

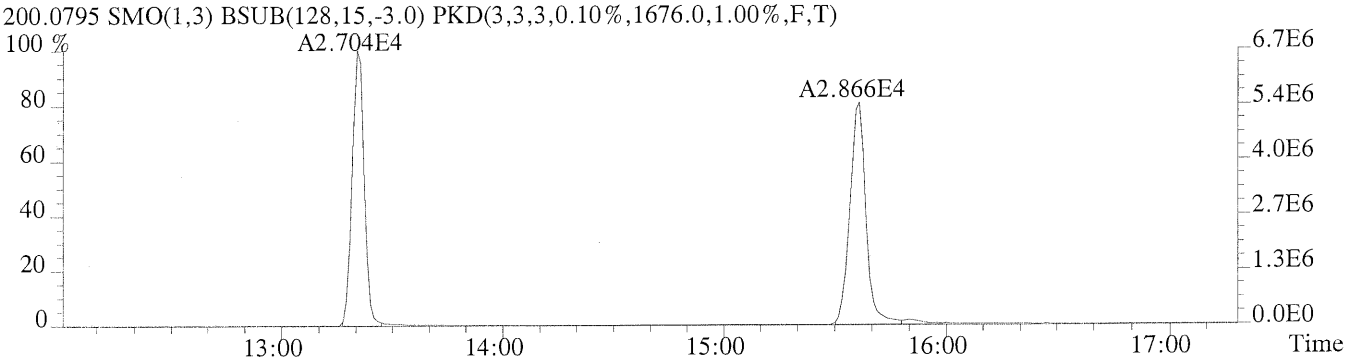
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1356.0,1.00%,F,T)



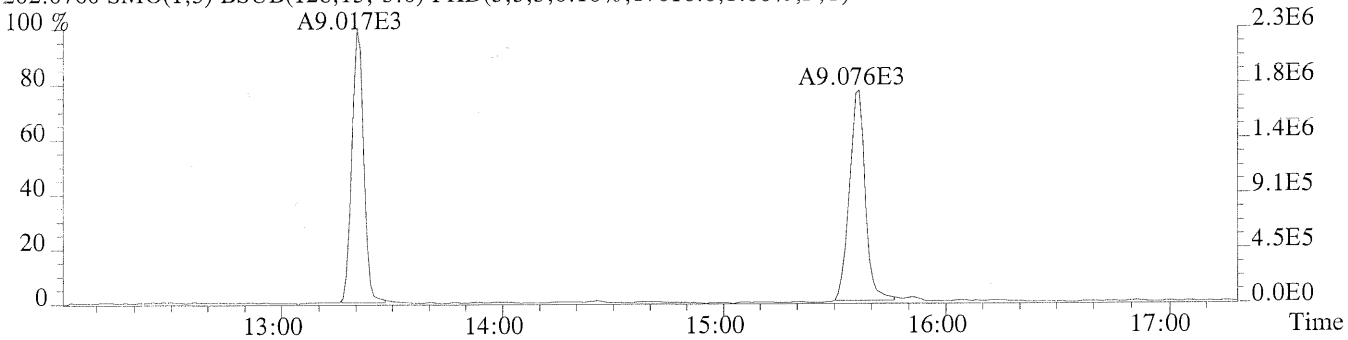
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1132.0,1.00%,F,T)



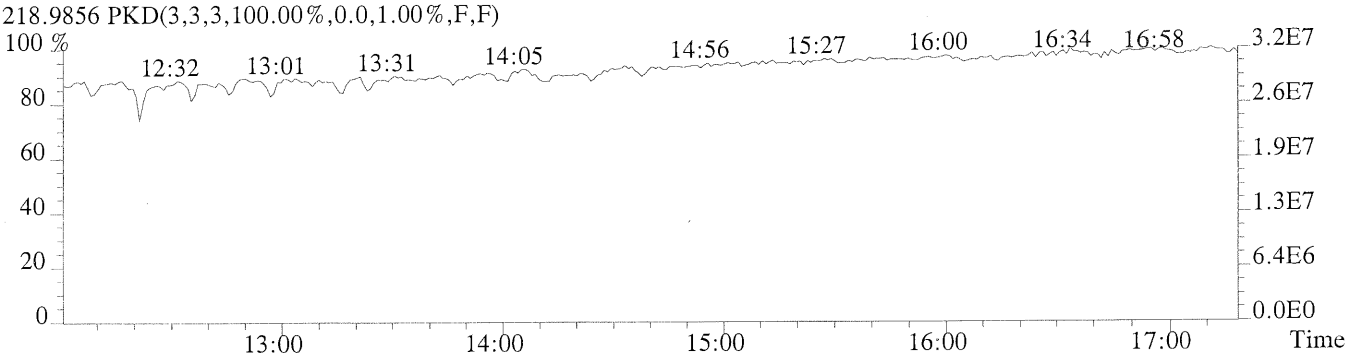
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1676.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17016.0,1.00%,F,T)

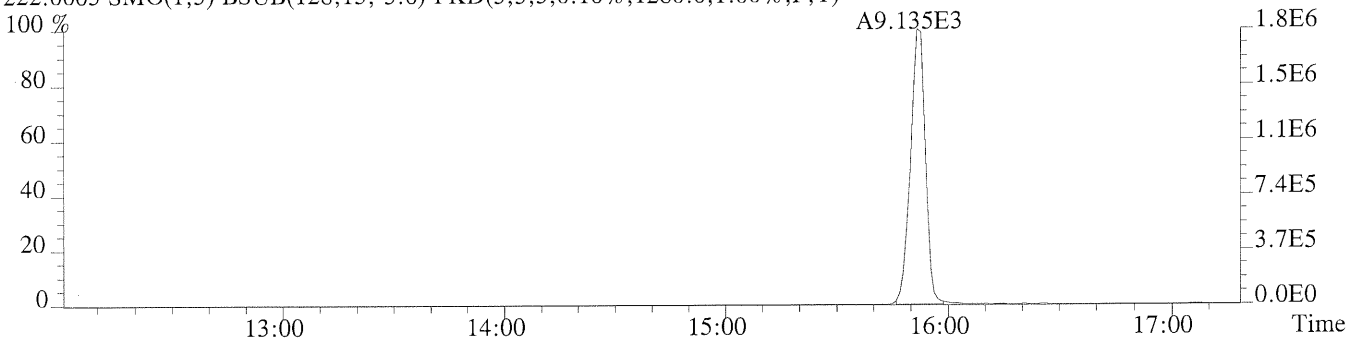


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

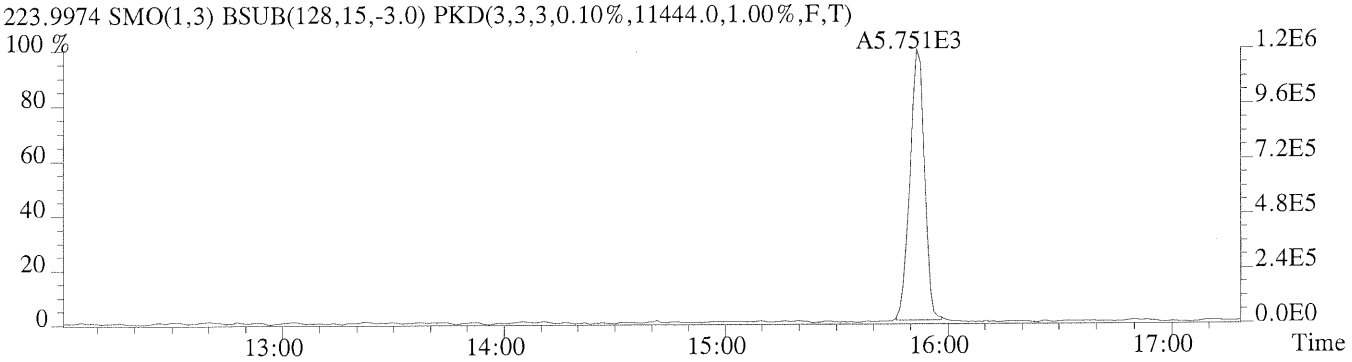


File:U142161 #1-341 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

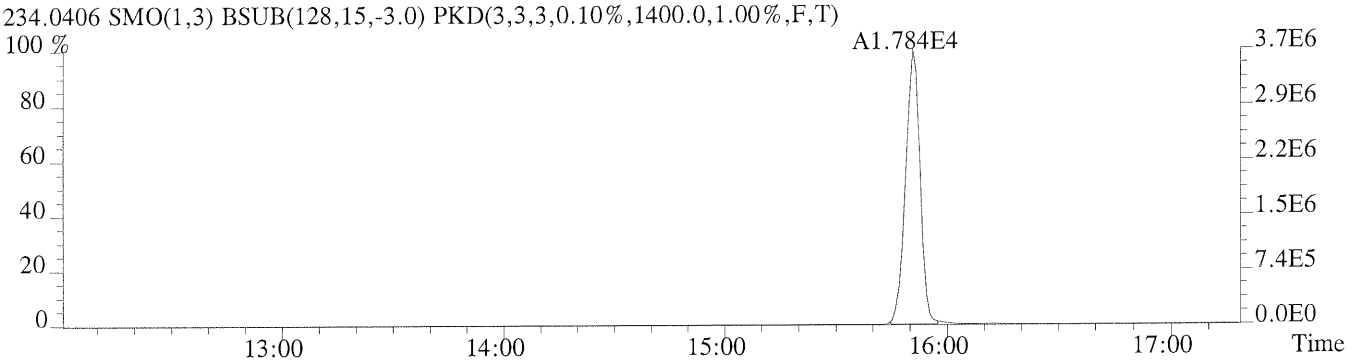
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1280.0,1.00%,F,T)



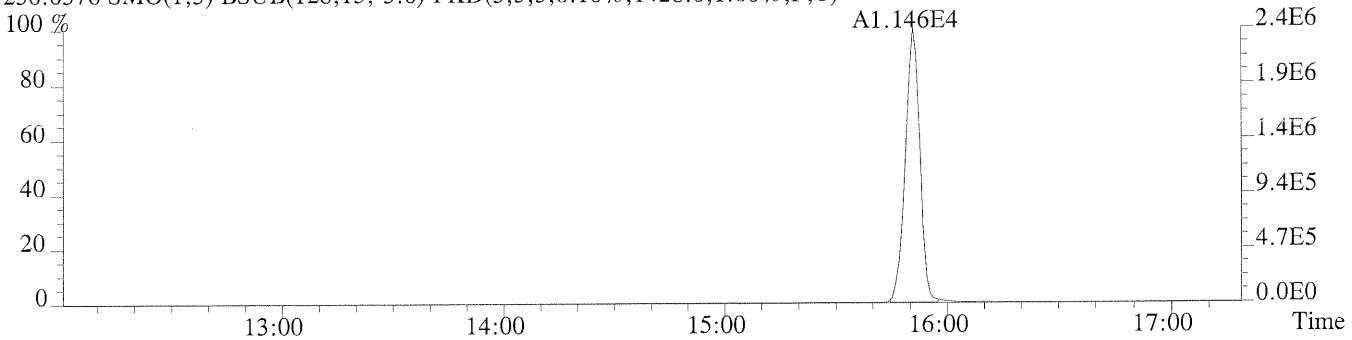
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11444.0,1.00%,F,T)



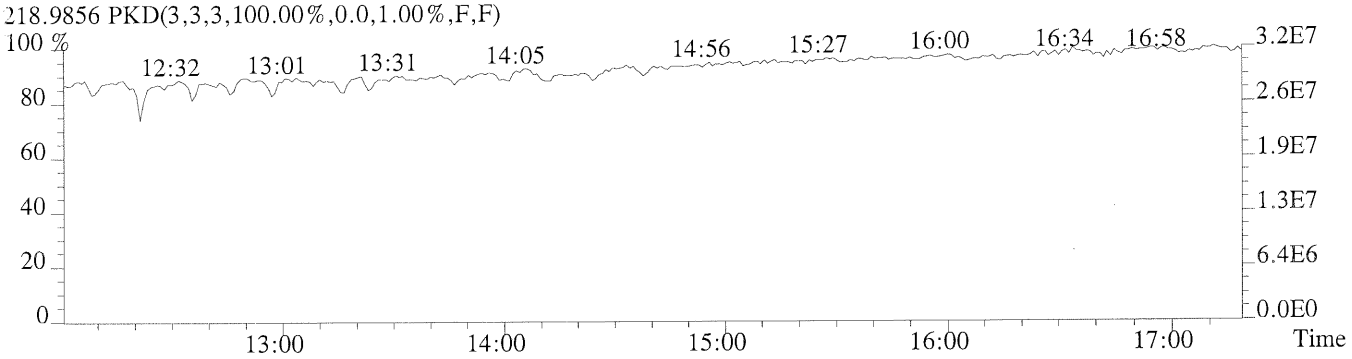
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1400.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1428.0,1.00%,F,T)

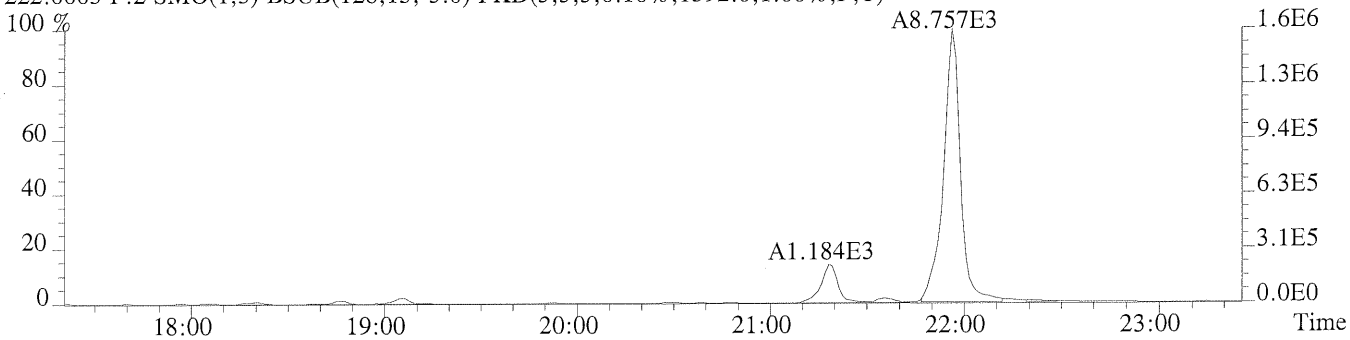


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

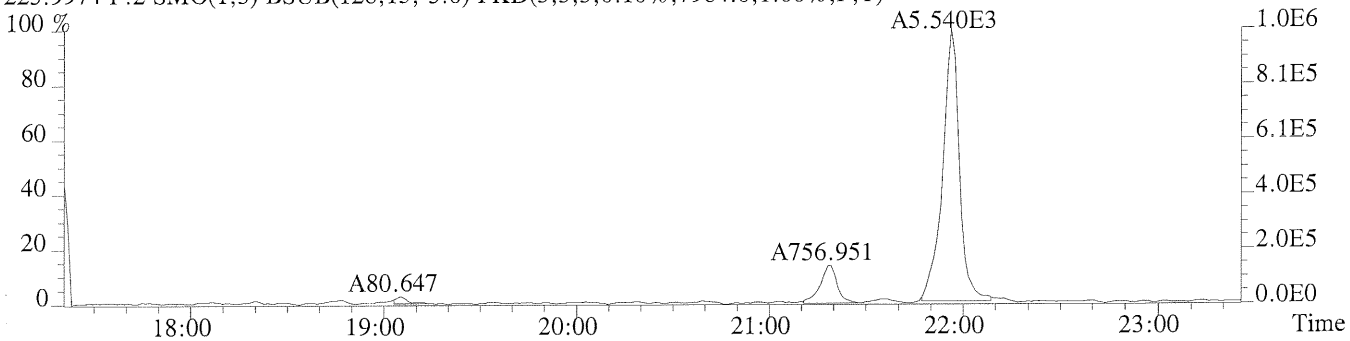


File:U142161 #1-336 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

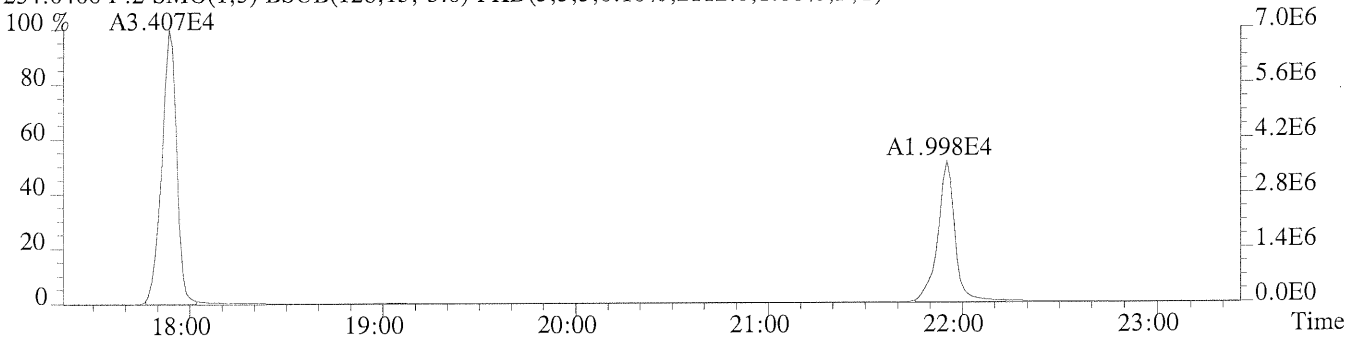
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1392.0,1.00%,F,T)



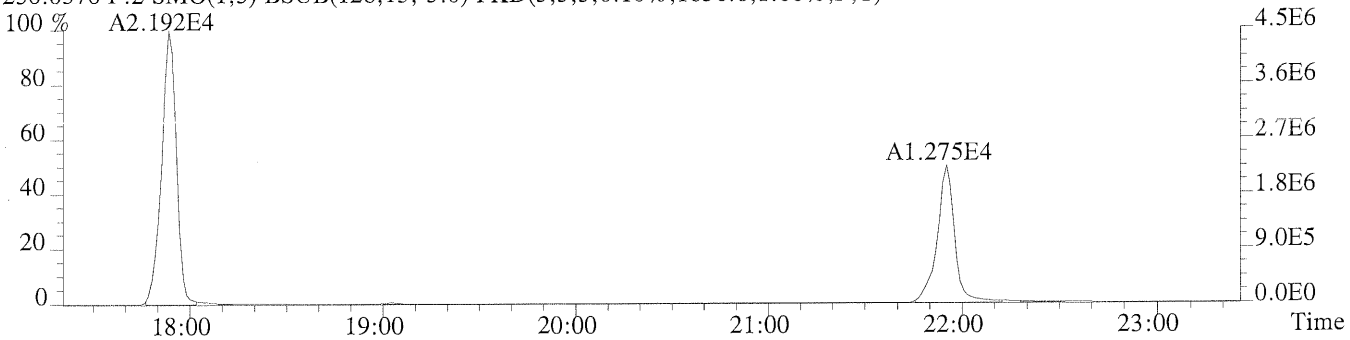
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7984.0,1.00%,F,T)



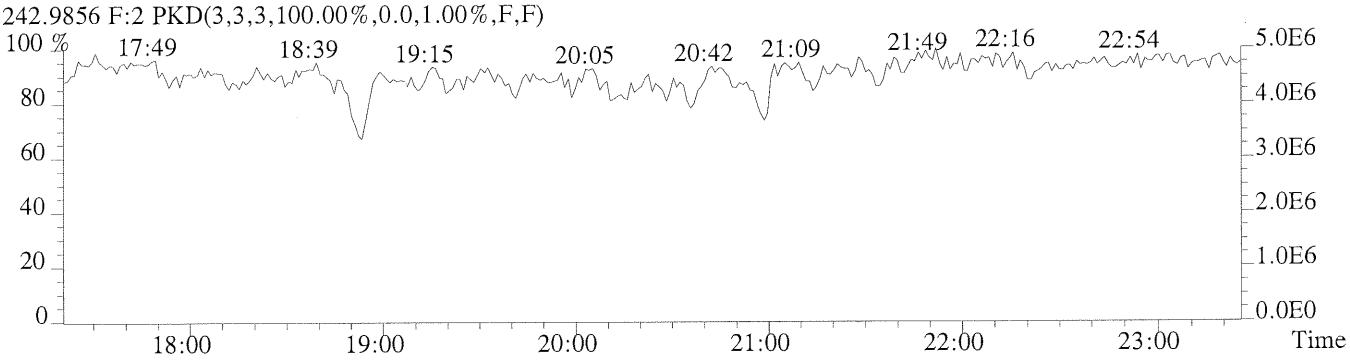
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2112.0,1.00%,F,T)



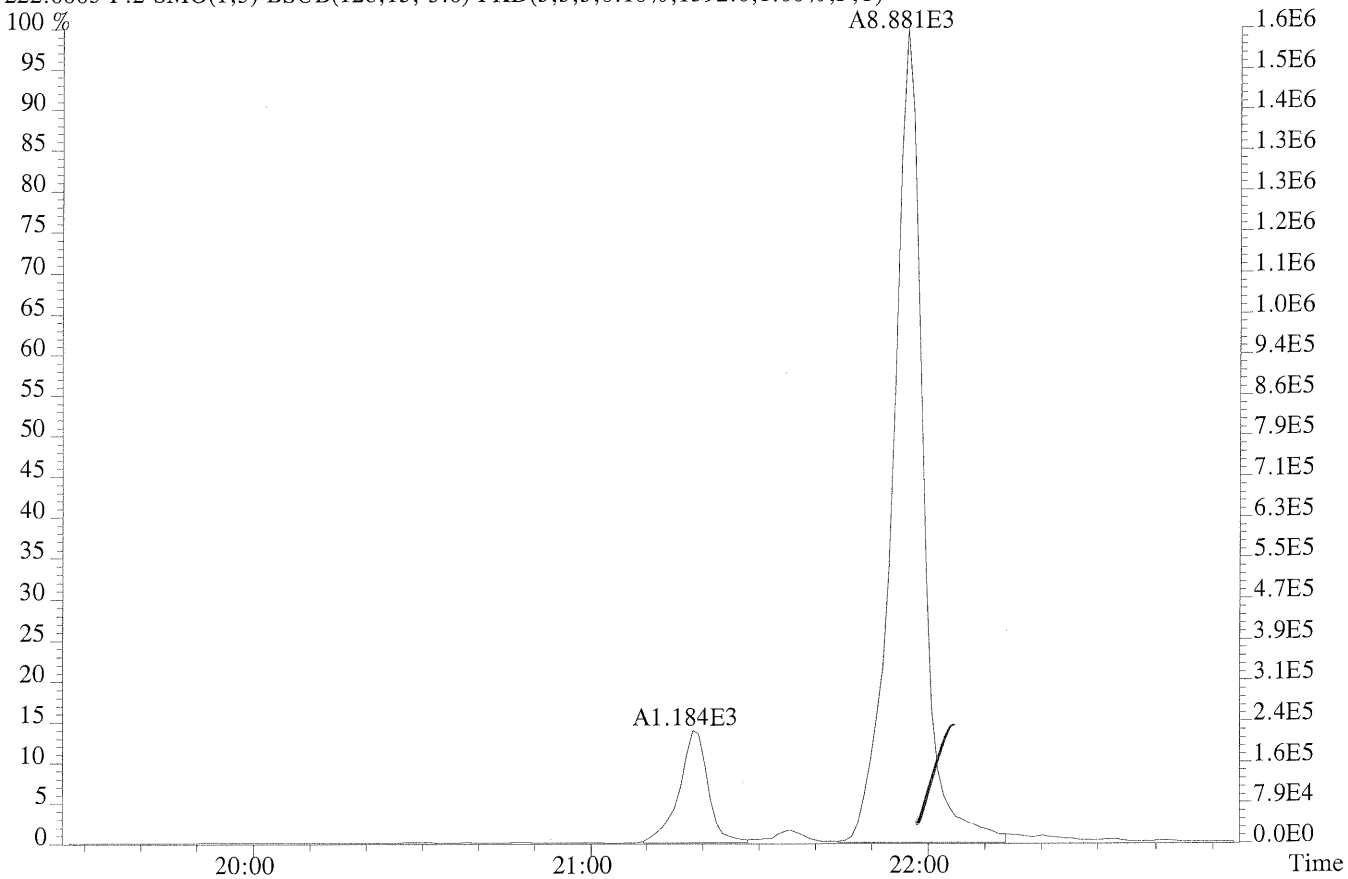
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1856.0,1.00%,F,T)



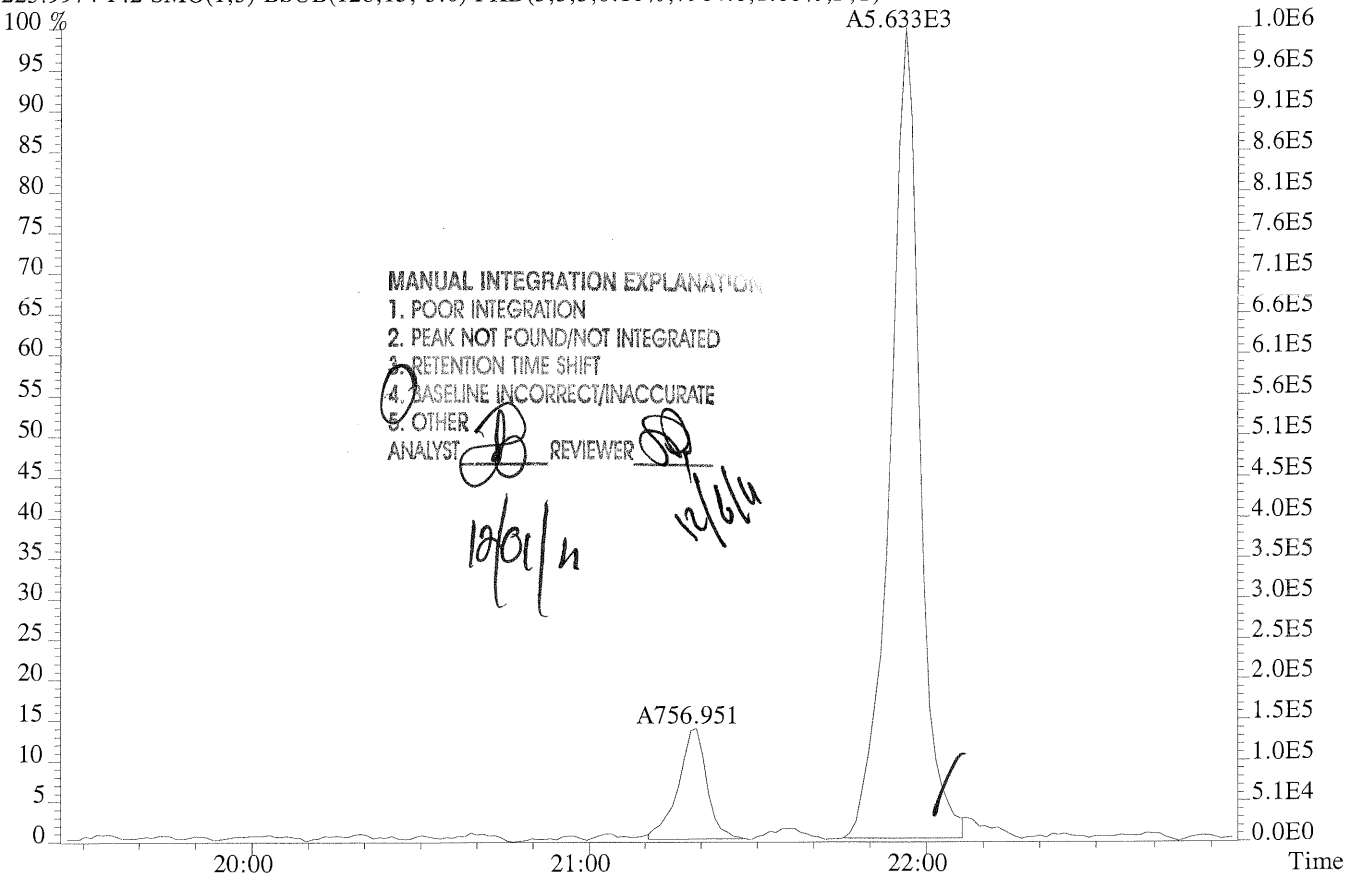
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142161 #1-336 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1392.0,1.00%,F,T)



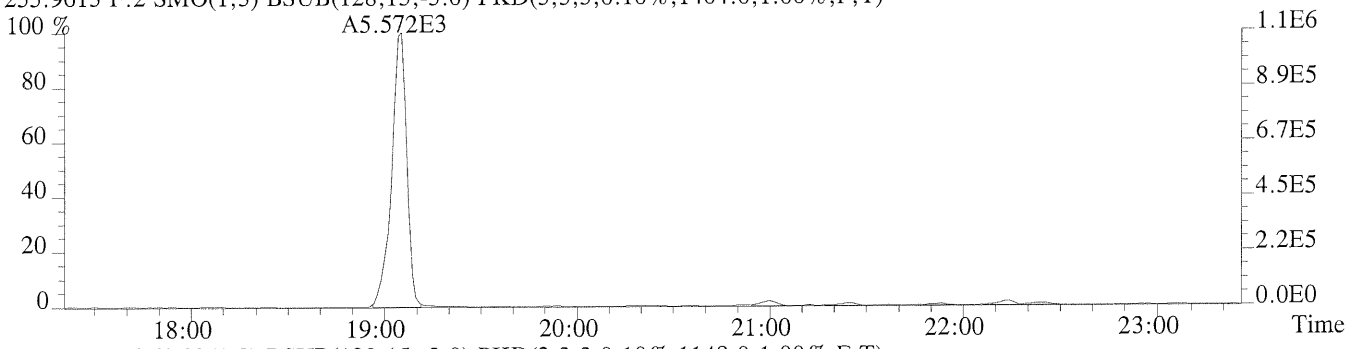
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7984.0,1.00%,F,T)



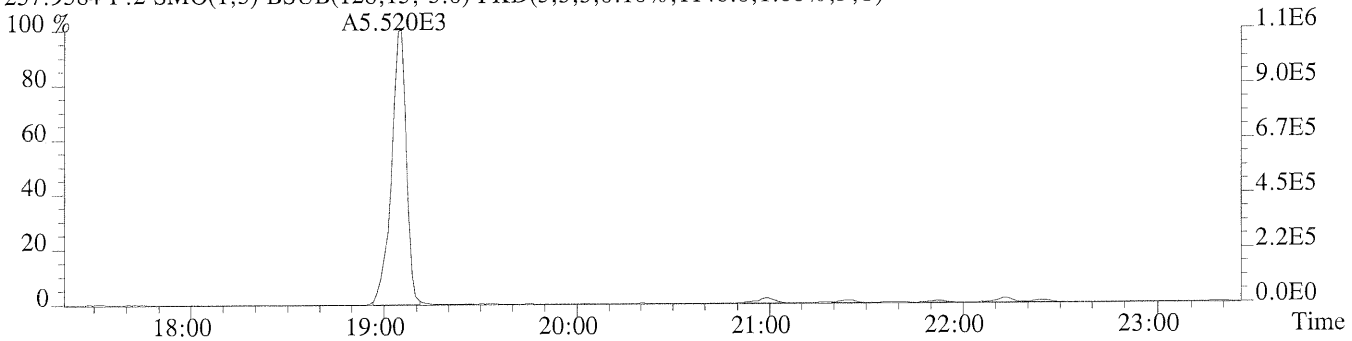
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 12/01/11 REVIEWER 12/6/11

File:U142161 #1-336 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

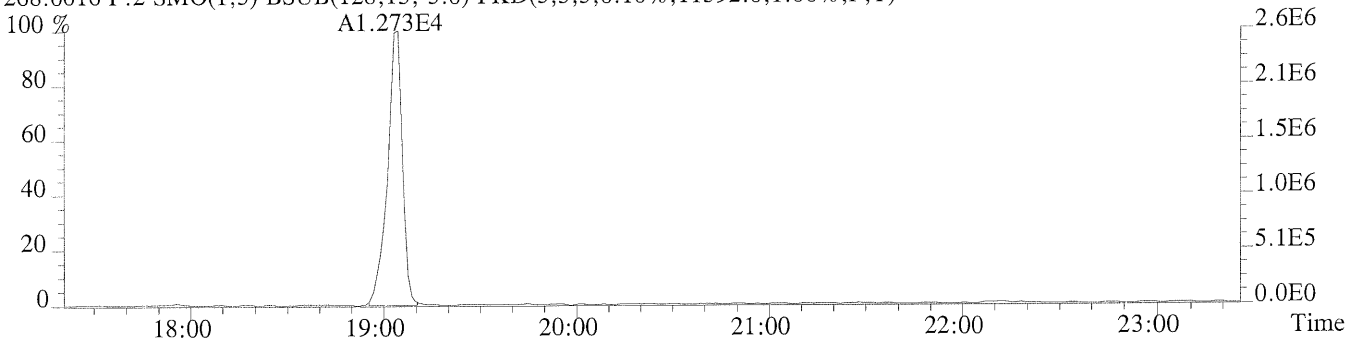
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1404.0,1.00%,F,T)



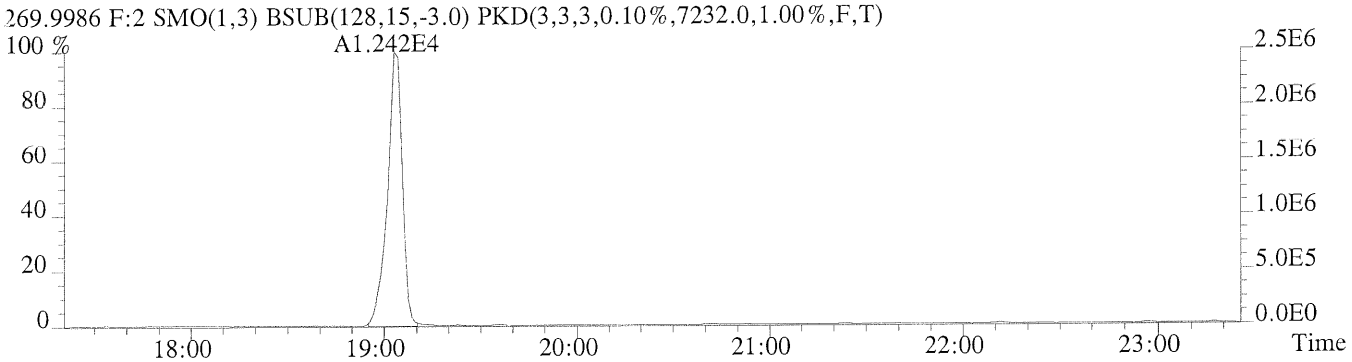
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)



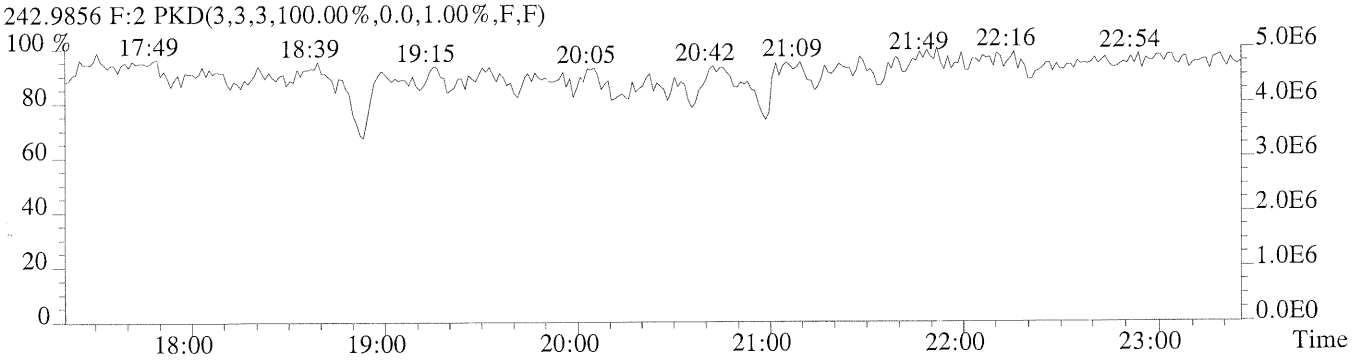
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11592.0,1.00%,F,T)



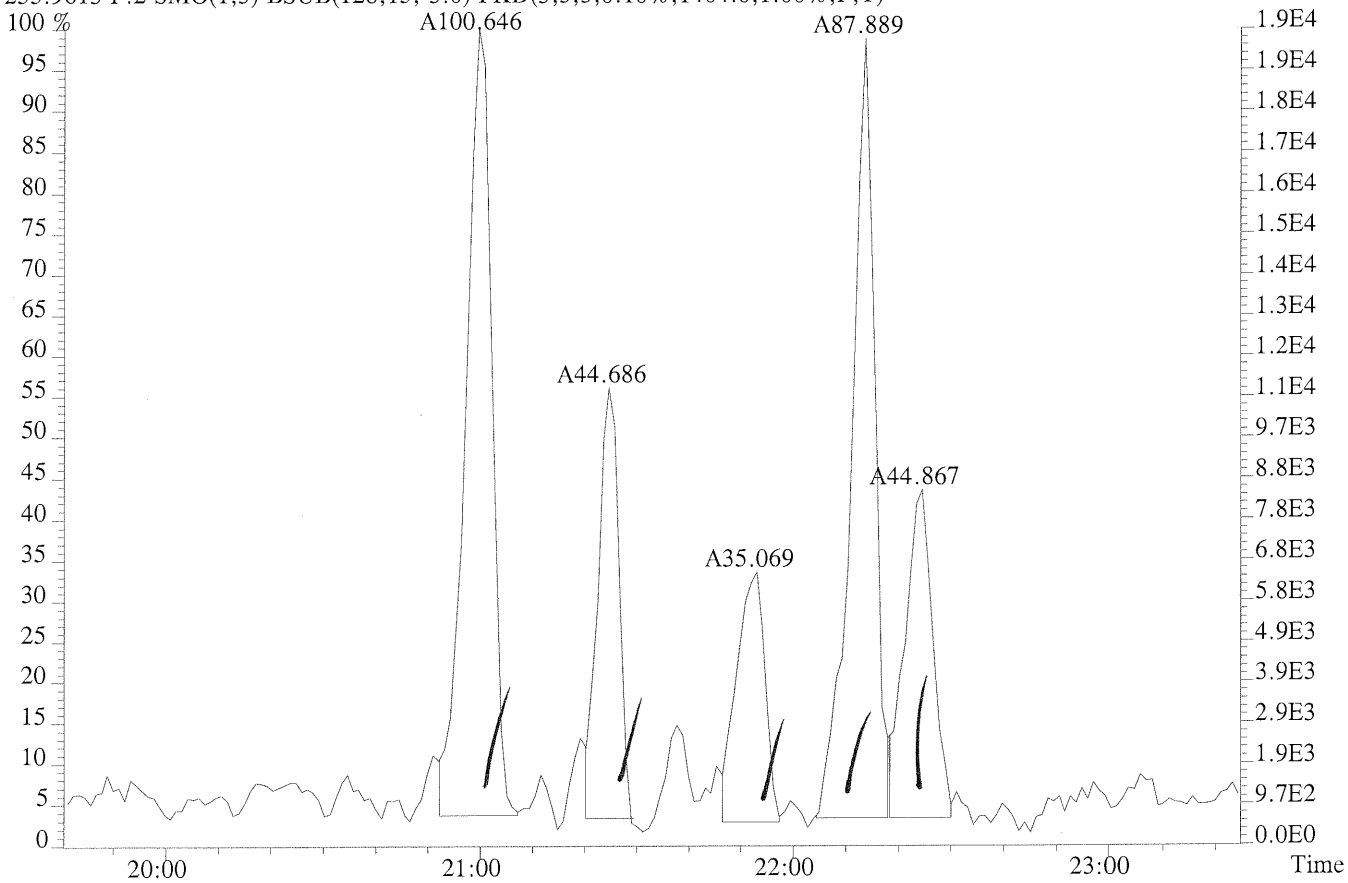
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7232.0,1.00%,F,T)



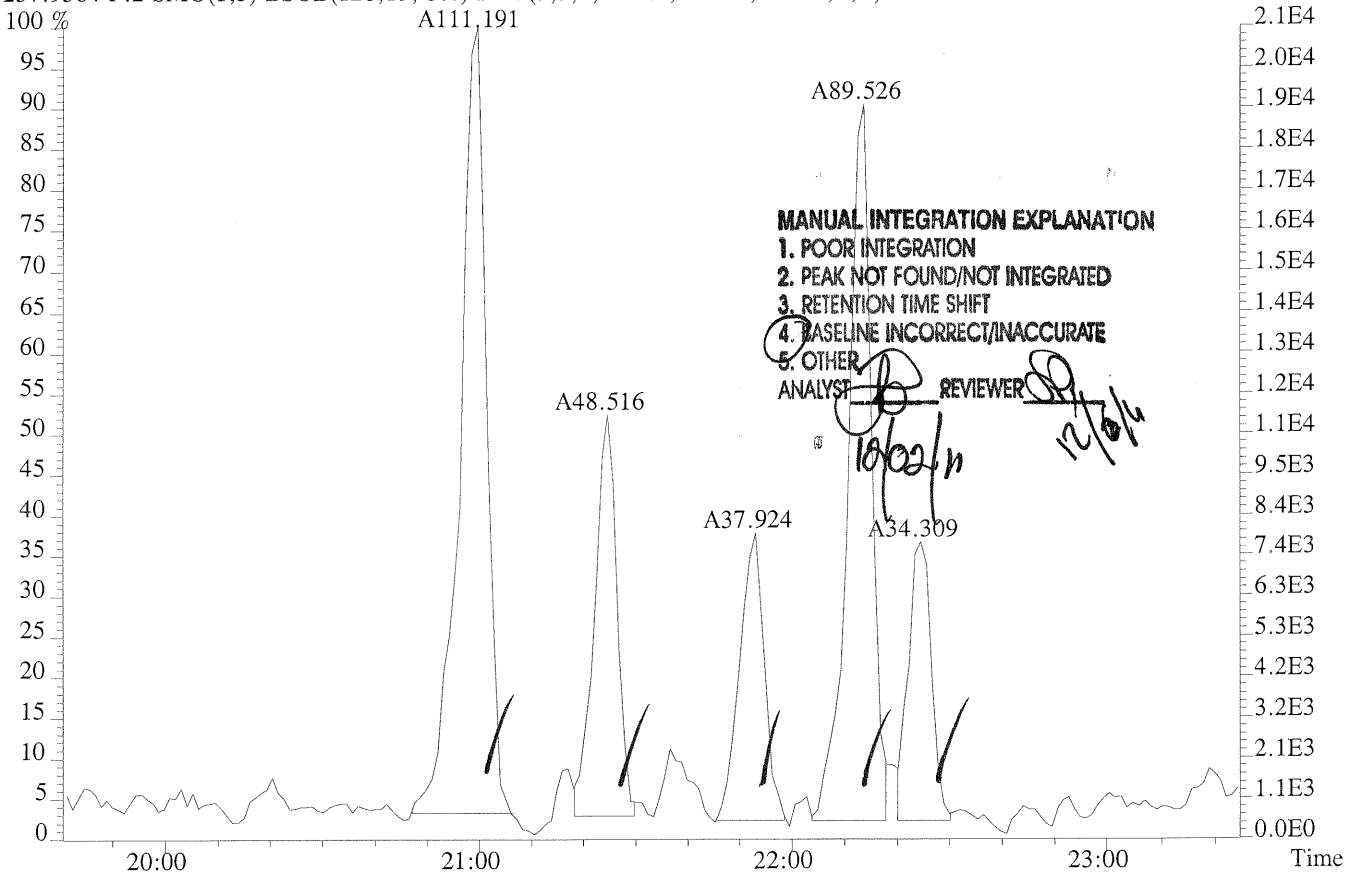
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142161 #1-336 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1404.0,1.00%,F,T)

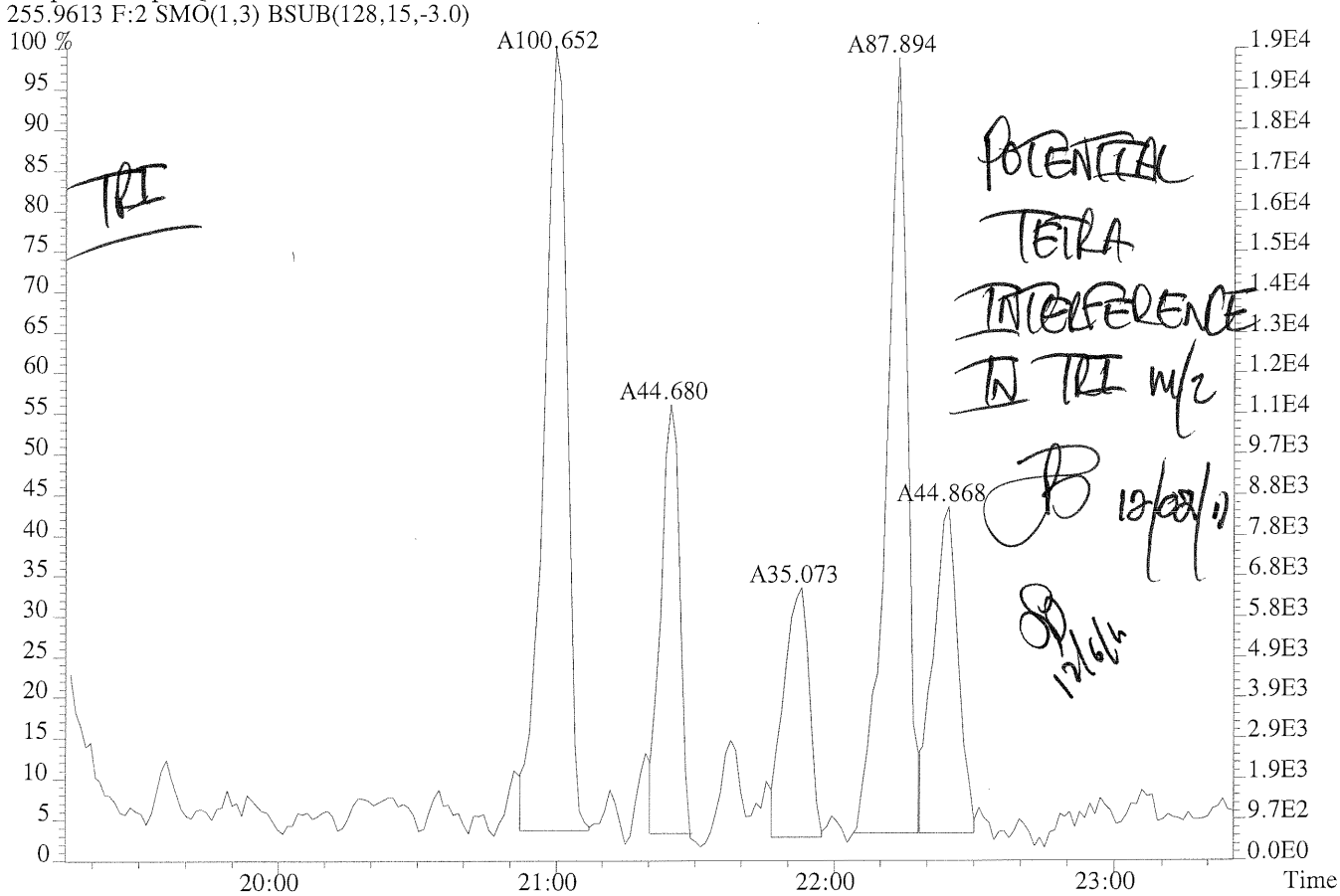


257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)

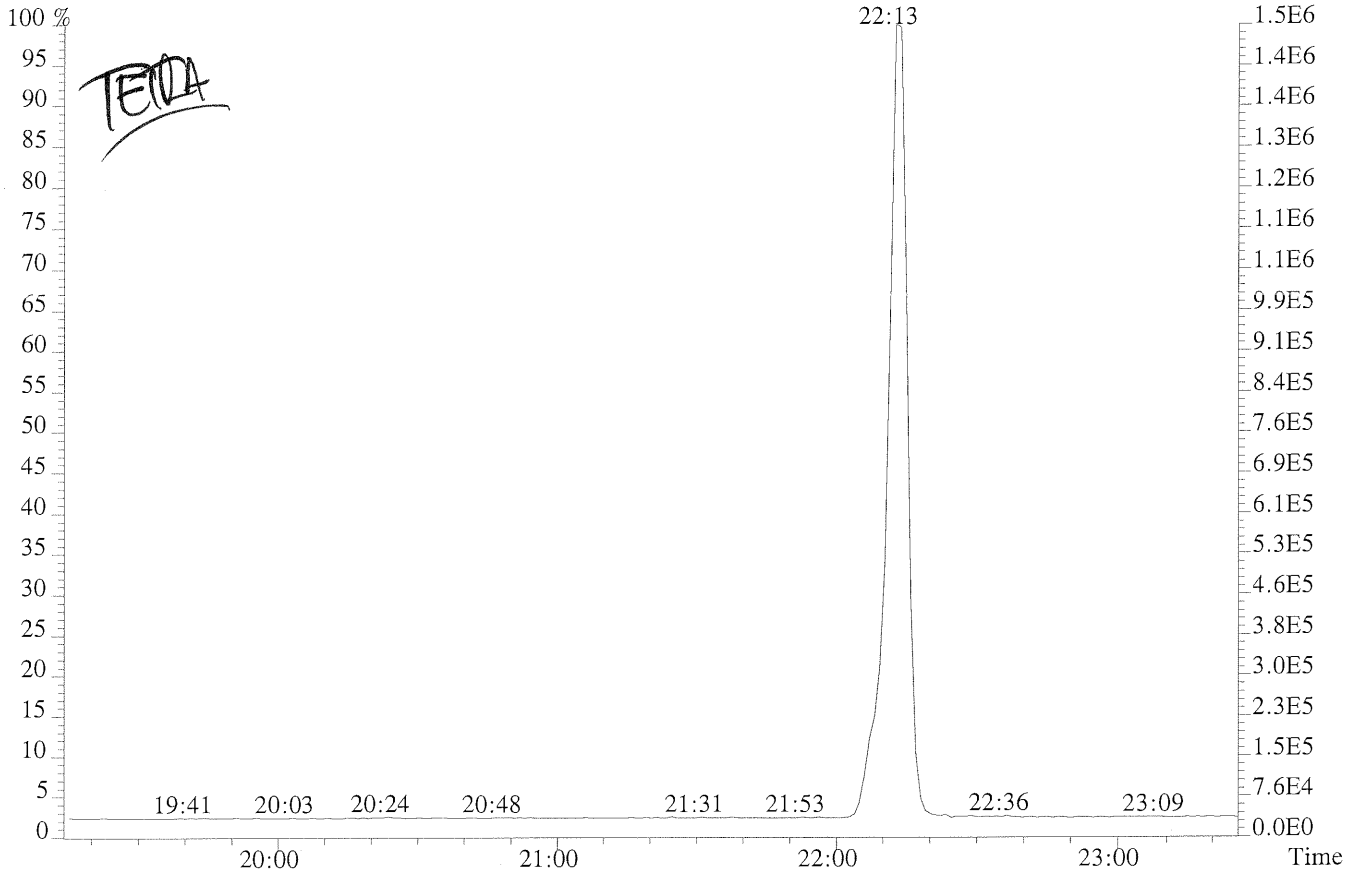


MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 10/02/11 REVIEWER 12/6/11

File:U142161 #1-336 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0)

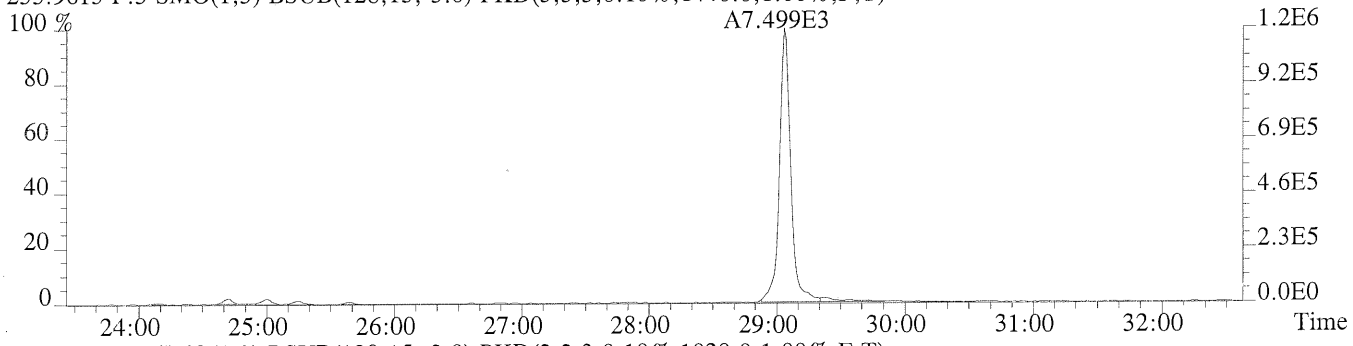


289.9224 F:2

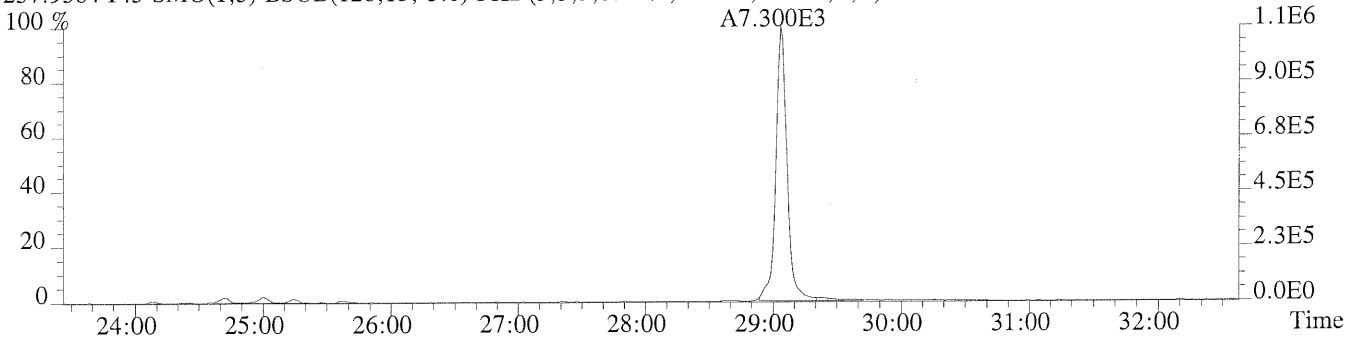


File:U142161 #1-588 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

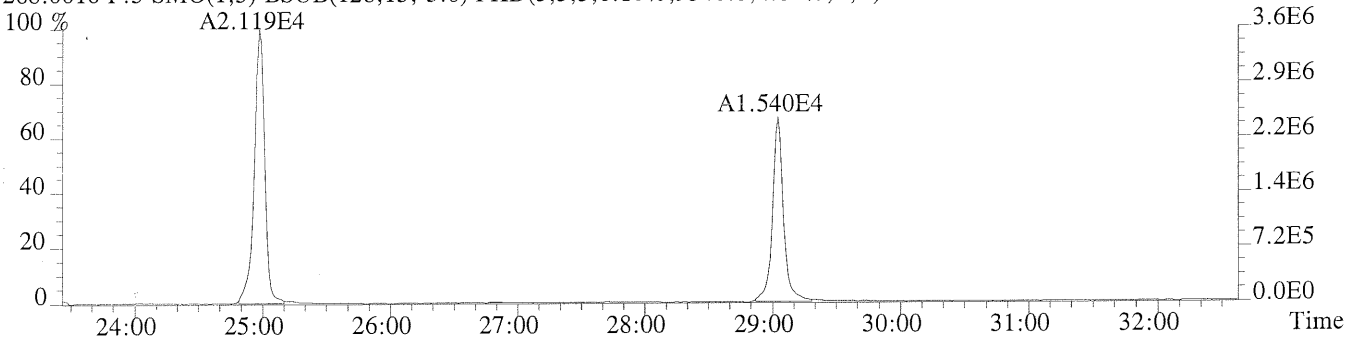
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1440.0,1.00%,F,T)



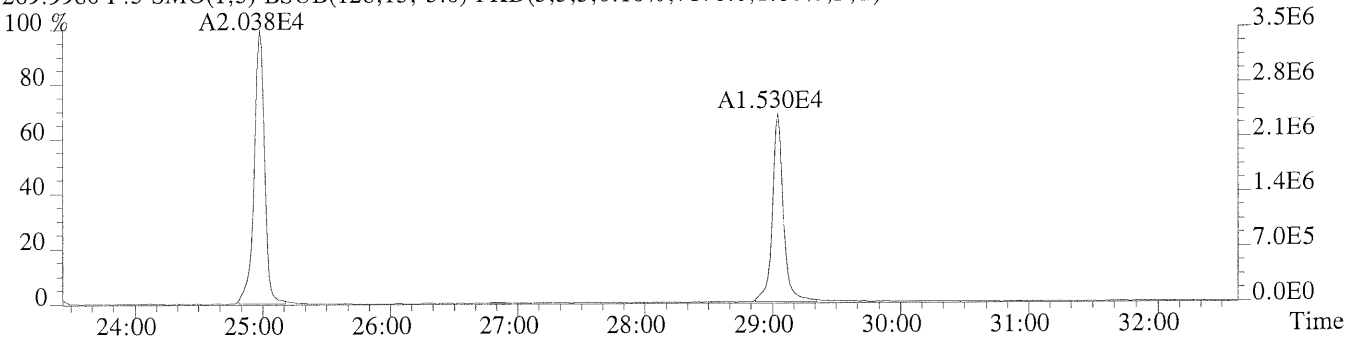
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1028.0,1.00%,F,T)



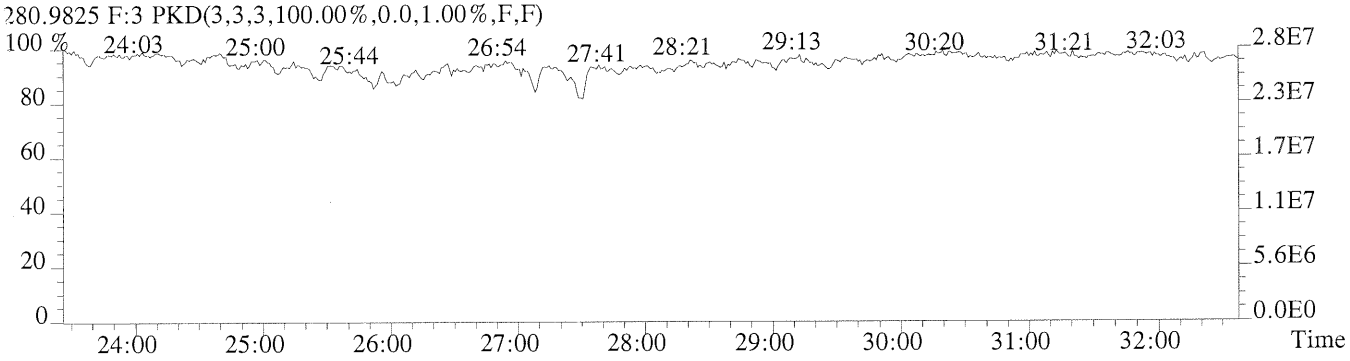
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9348.0,1.00%,F,T)



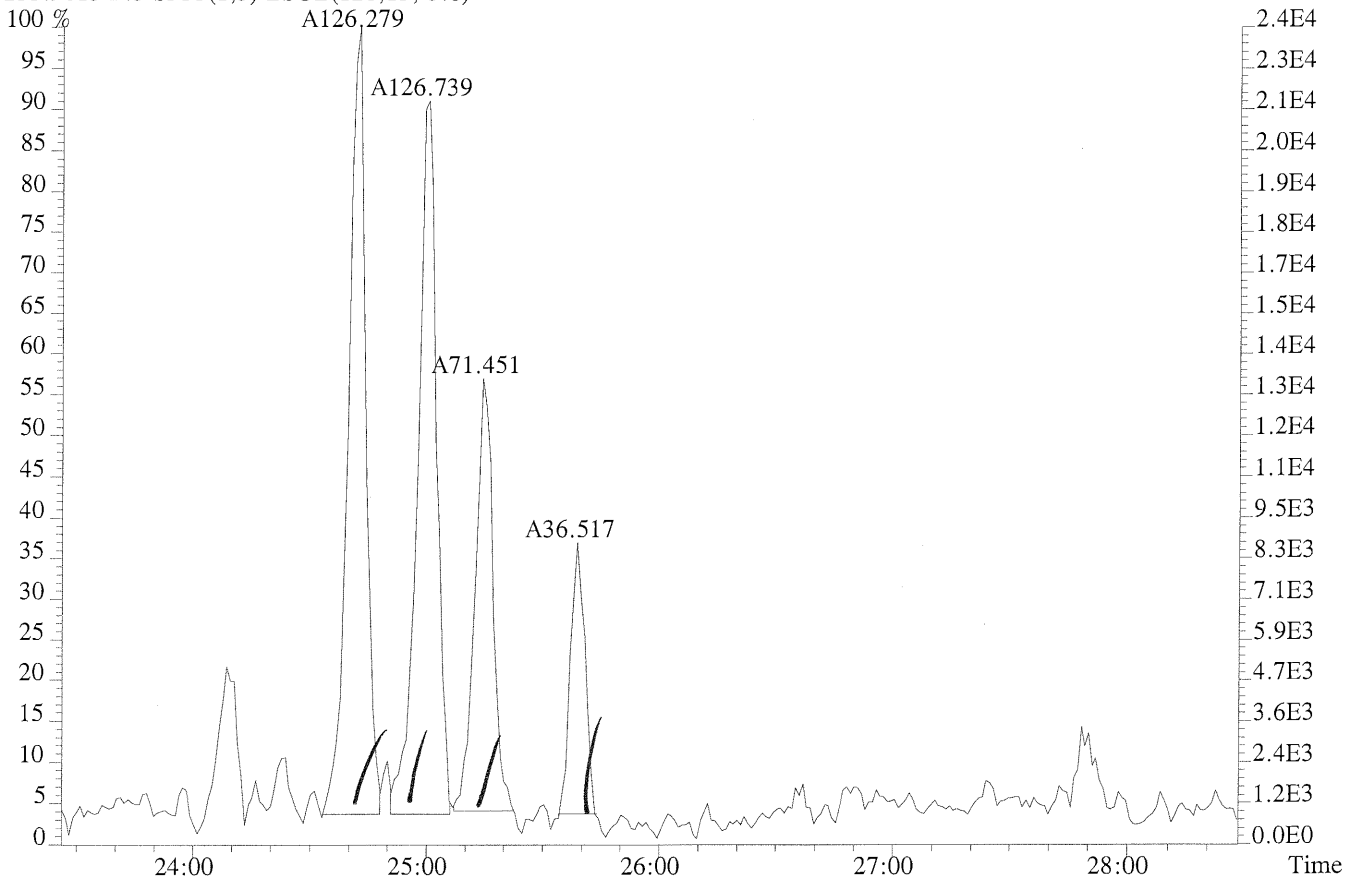
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7176.0,1.00%,F,T)



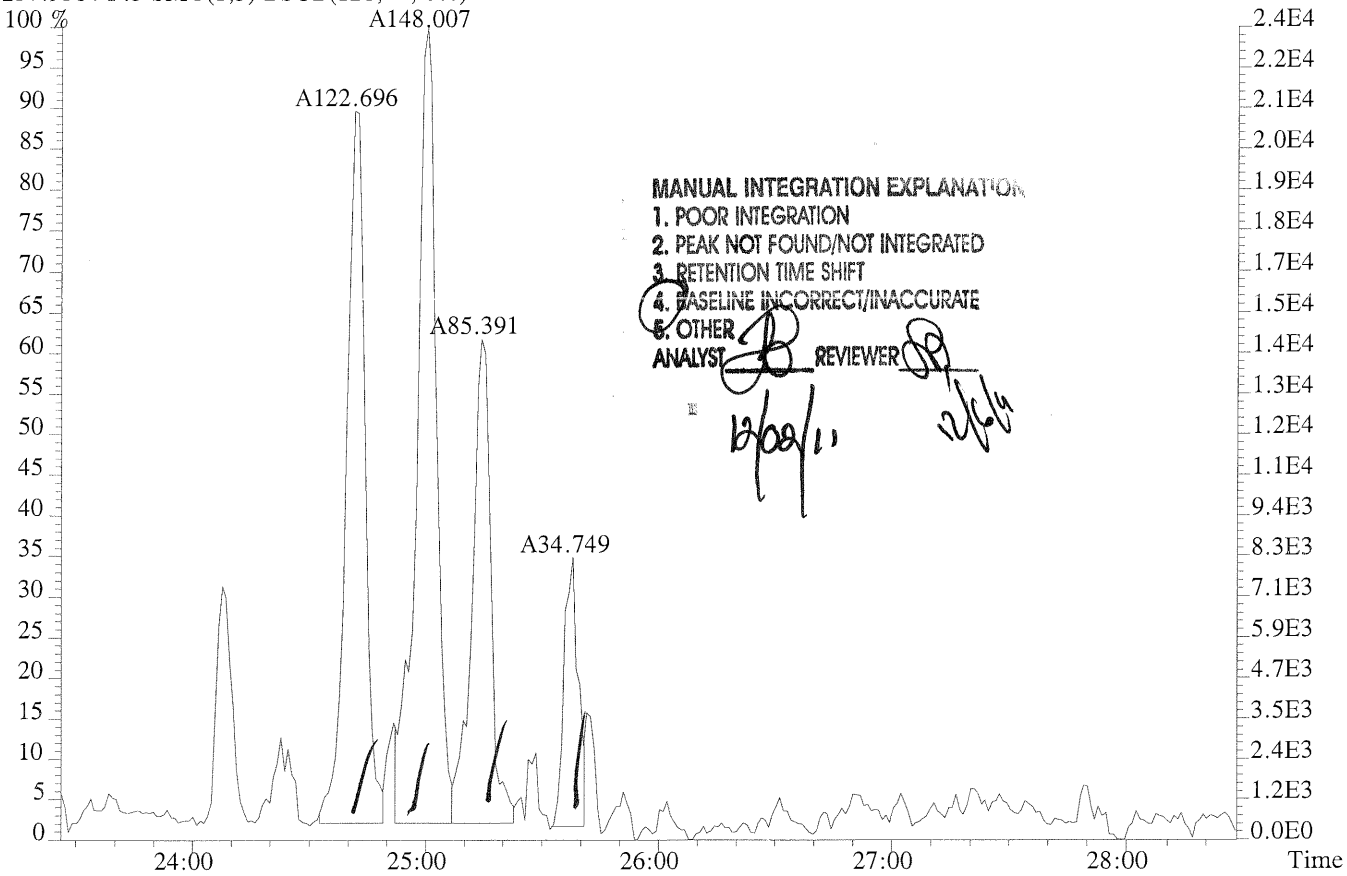
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142161 #1-588 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0)



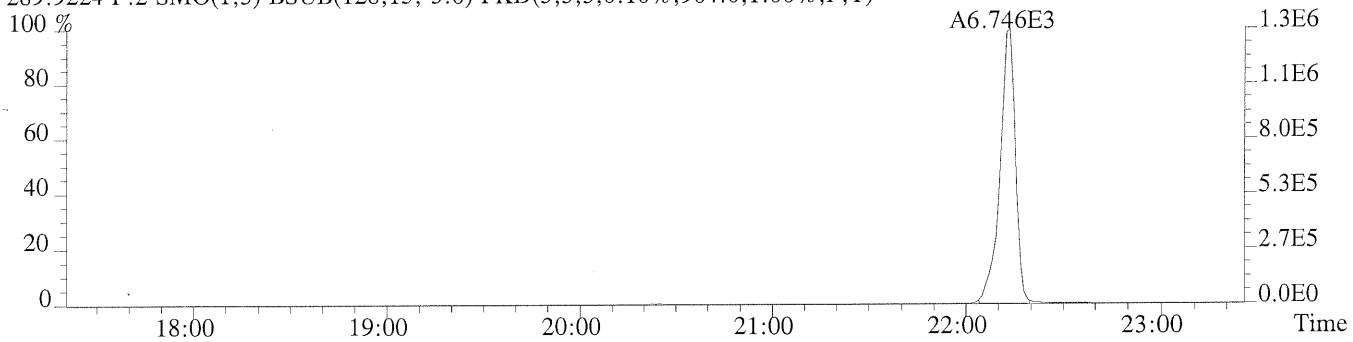
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0)



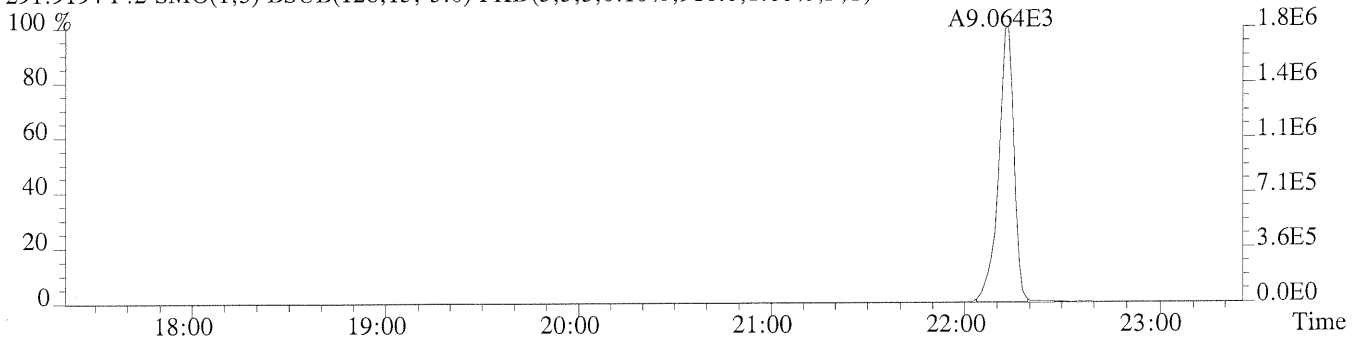
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST REVIEWER
12/02/11 12/6/11

File:U142161 #1-336 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

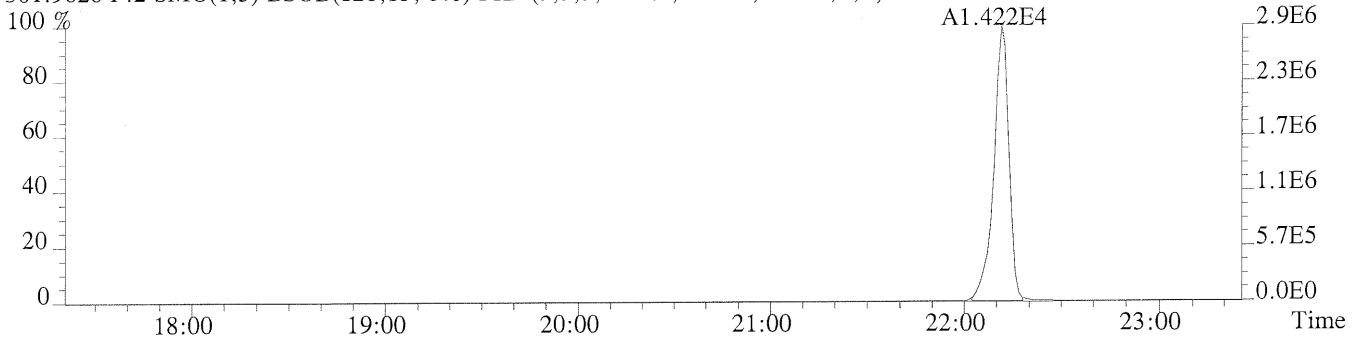
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)



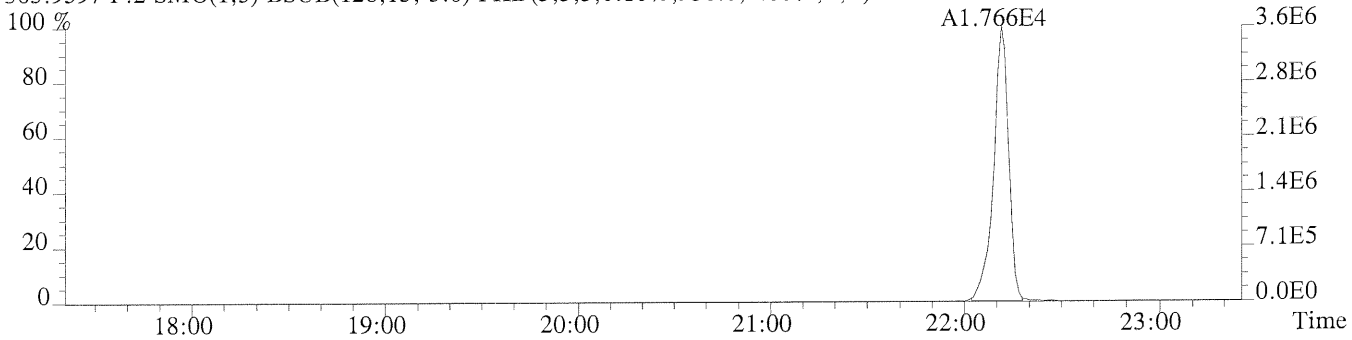
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,916.0,1.00%,F,T)



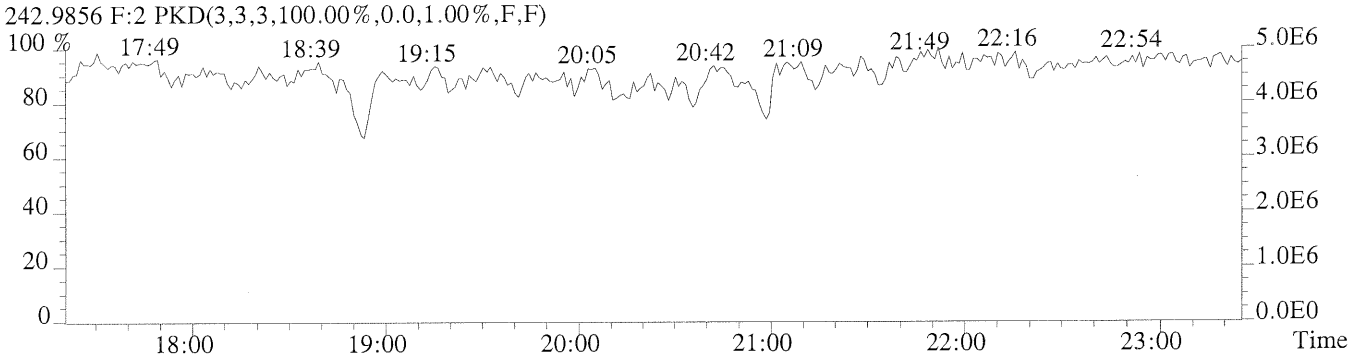
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1764.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)

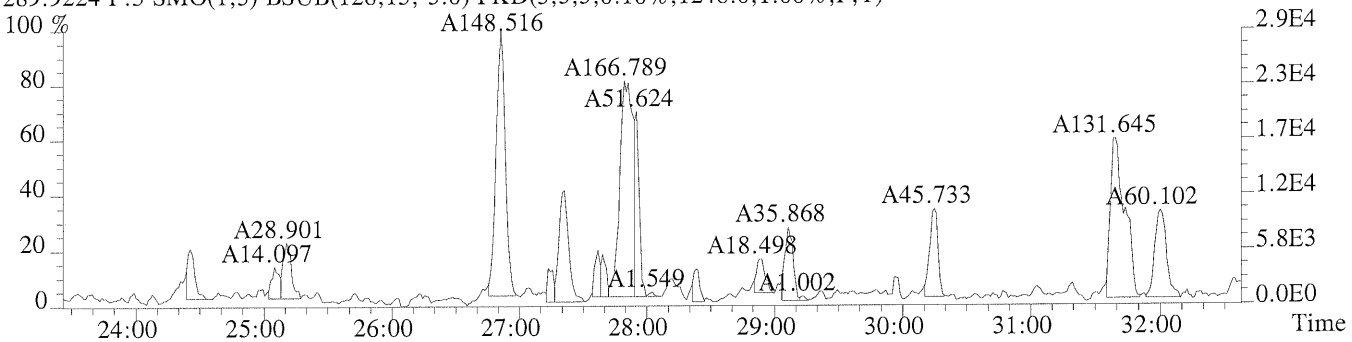


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

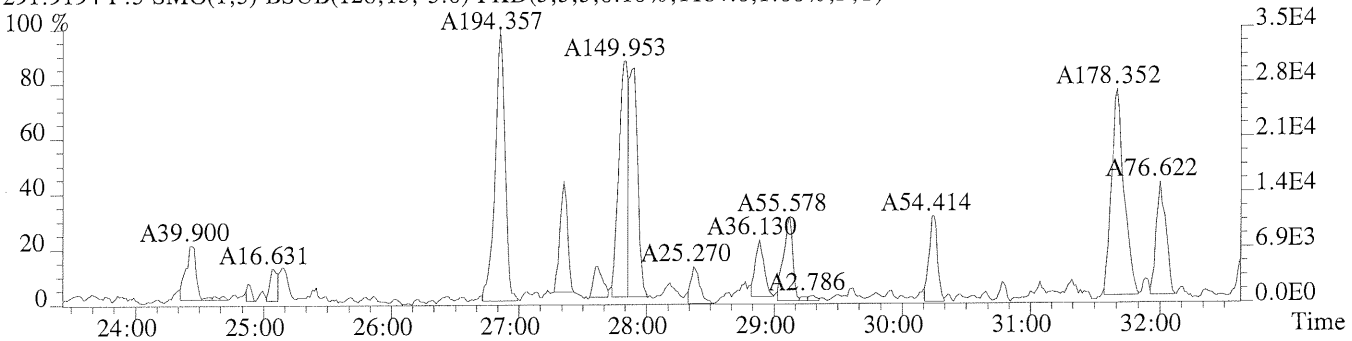


File:U142161 #1-588 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

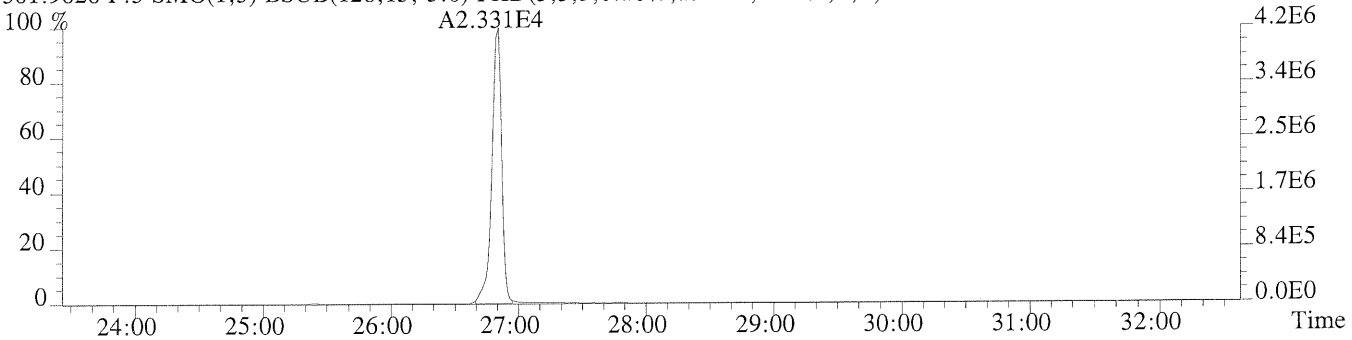
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1248.0,1.00%,F,T)



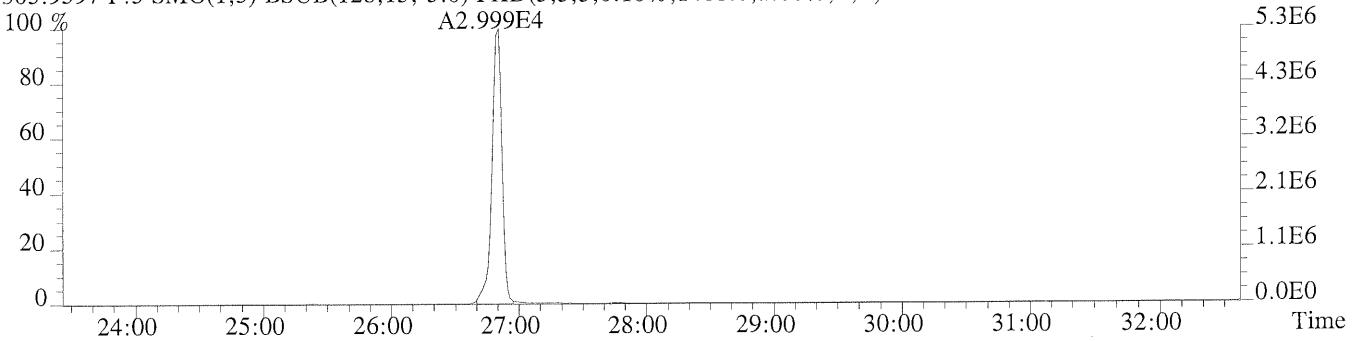
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1184.0,1.00%,F,T)



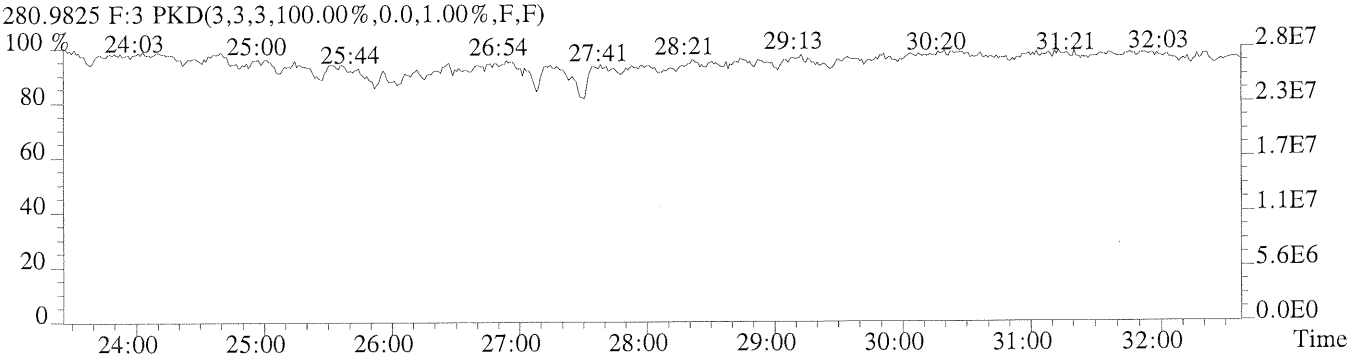
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1388.0,1.00%,F,T)



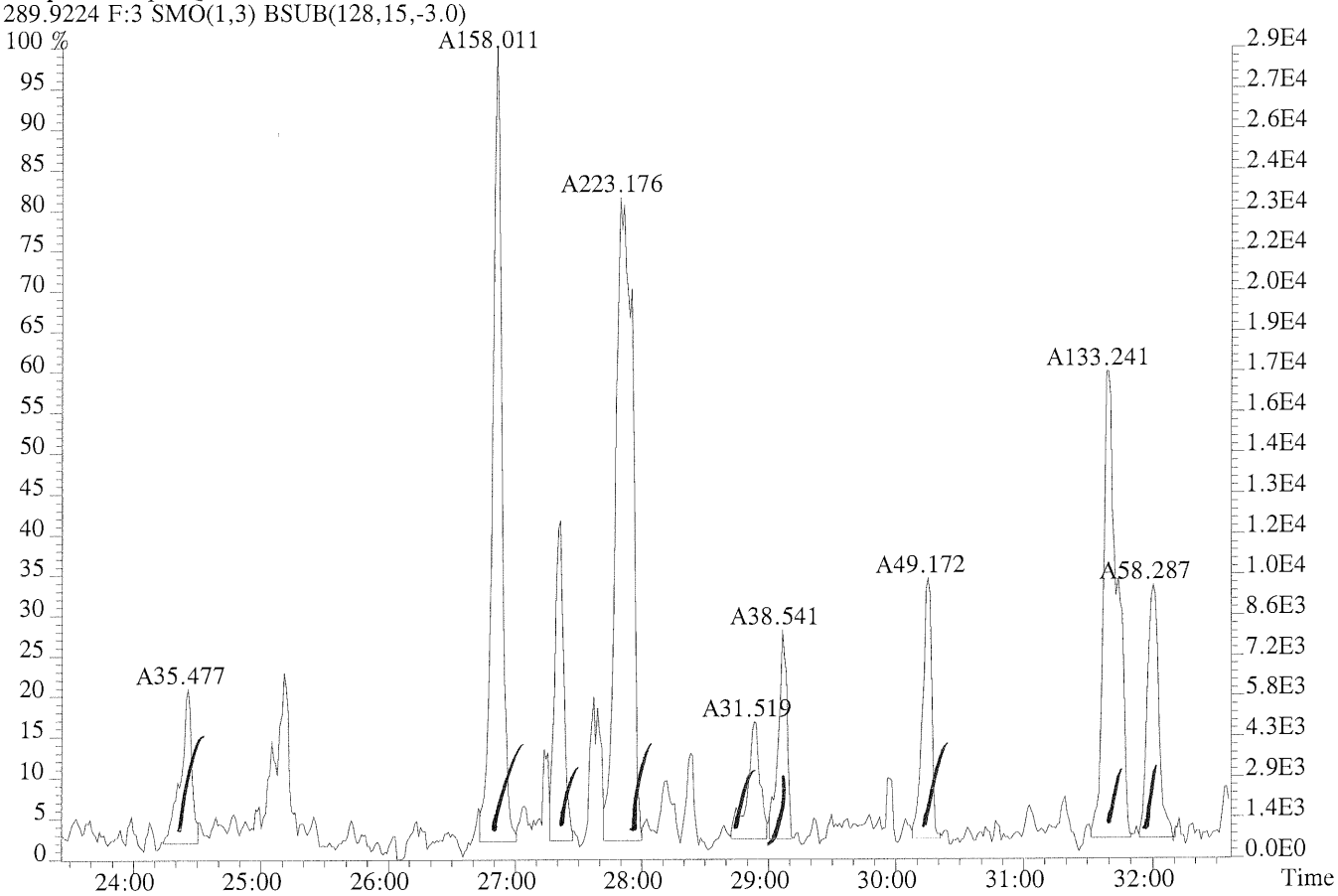
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1488.0,1.00%,F,T)



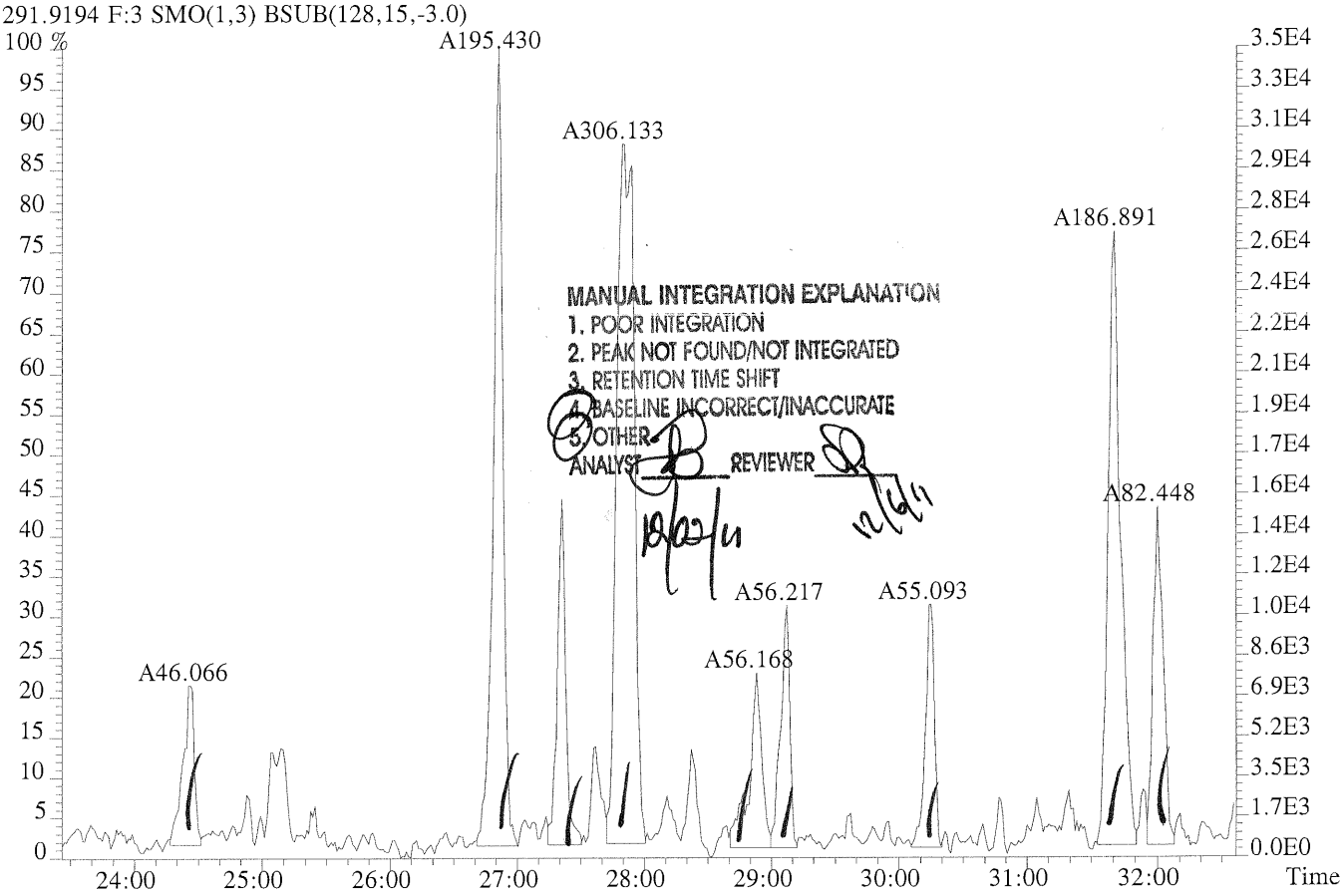
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142161 #1-588 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0)



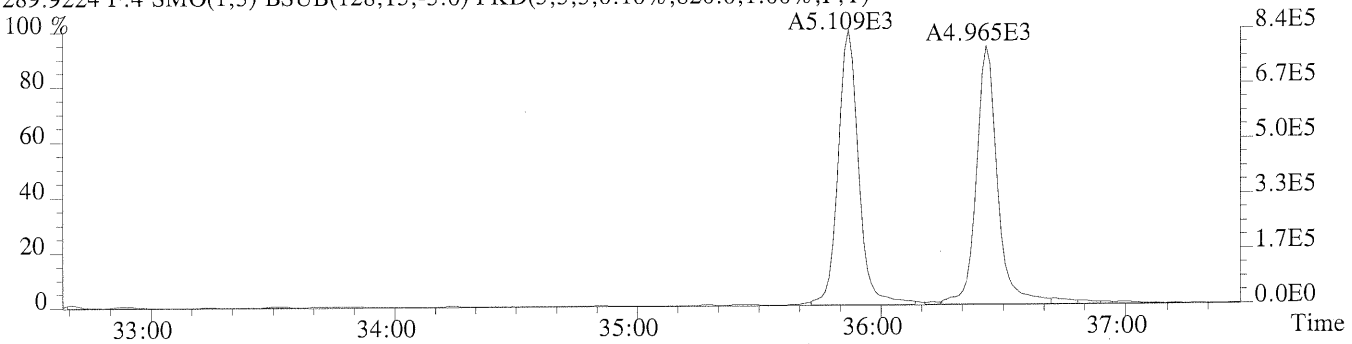
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0)



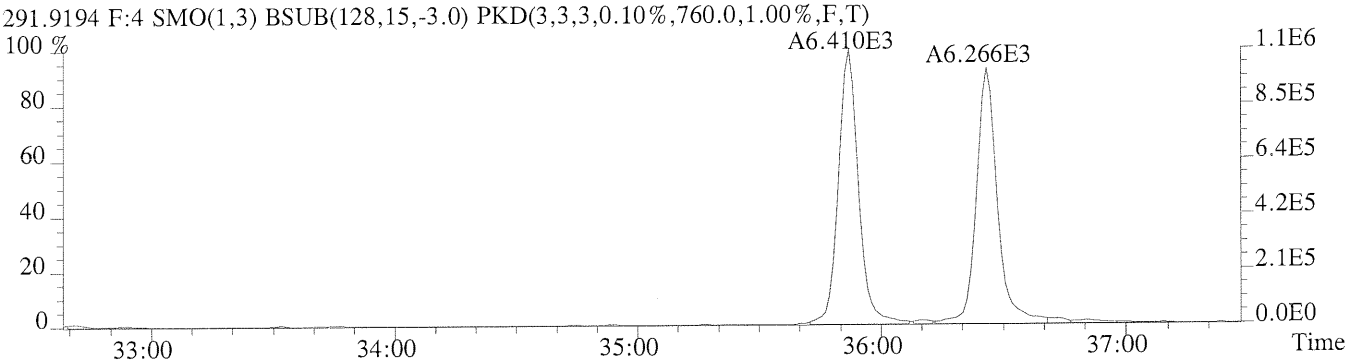
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ____ REVIEWER ____
12/02/11 12/6/11

File:U142161 #1-309 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

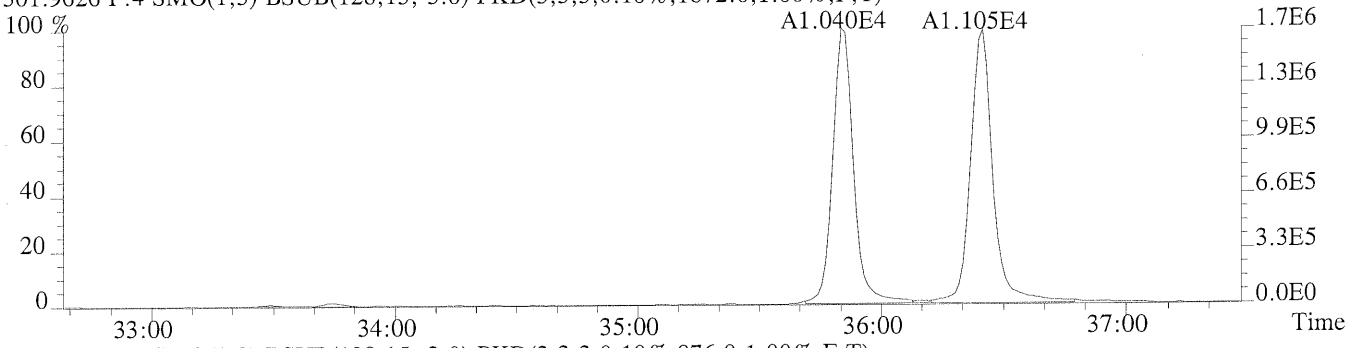
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



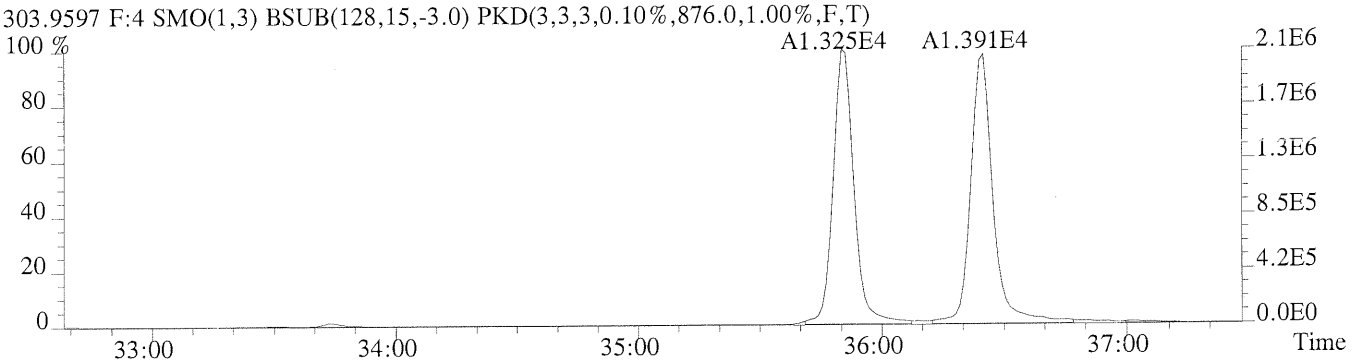
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,760.0,1.00%,F,T)



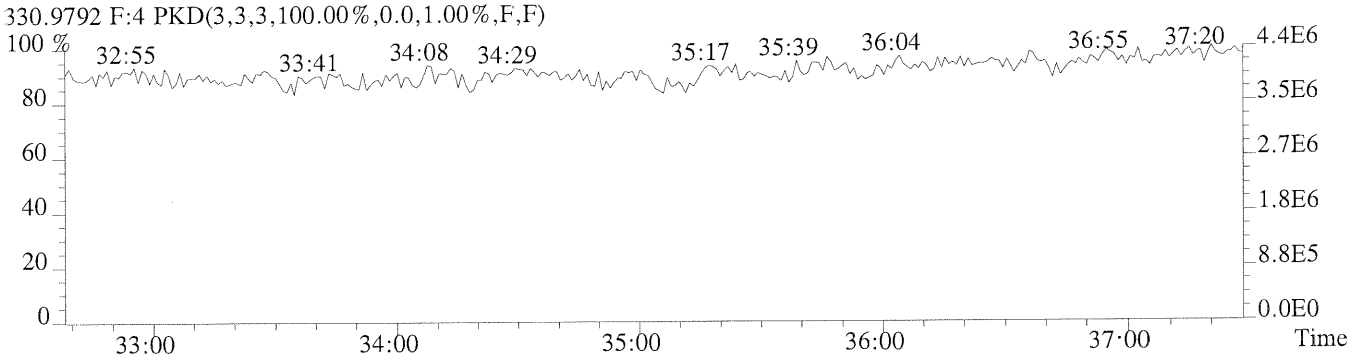
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1872.0,1.00%,F,T)



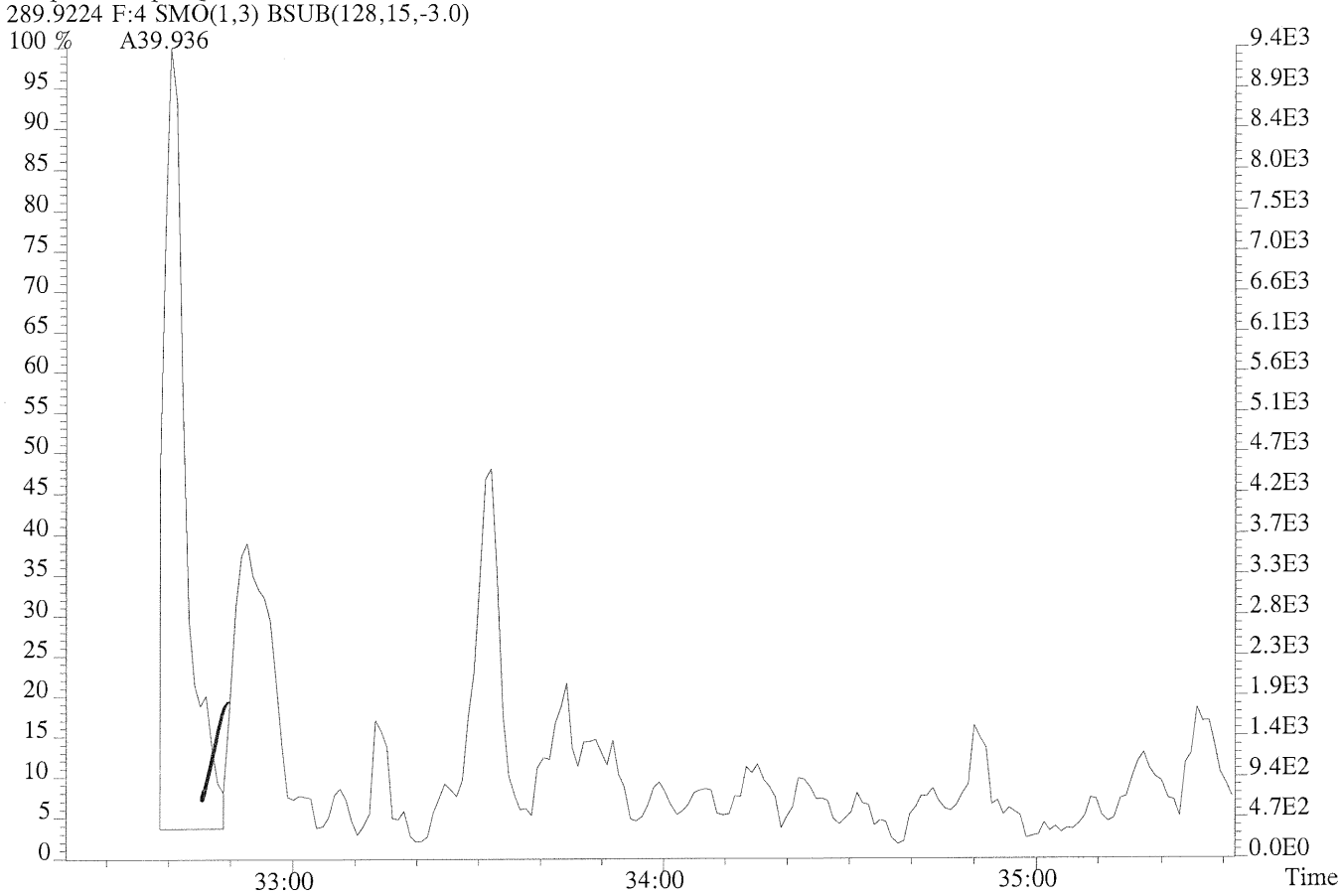
303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)



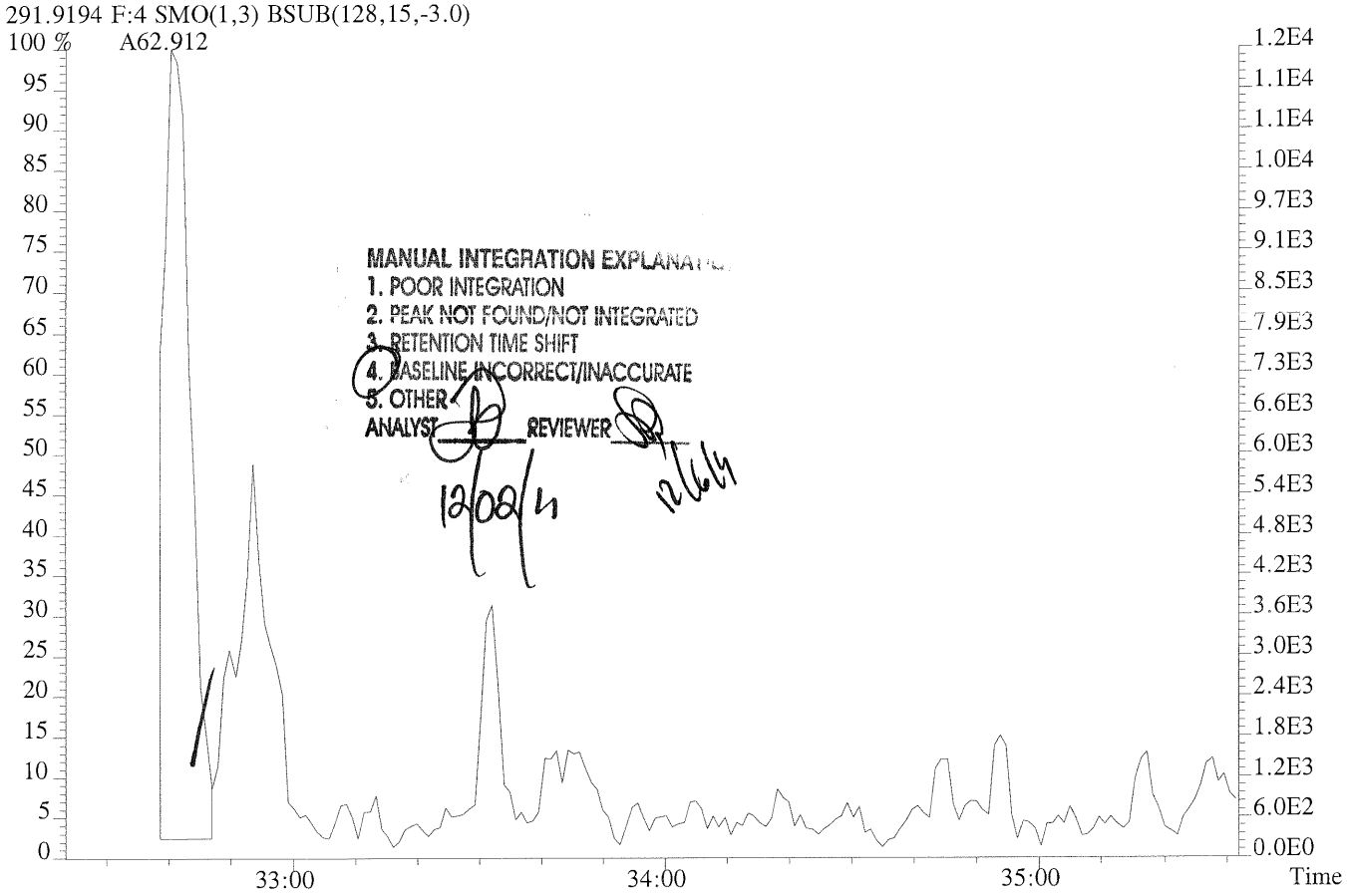
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142161 #1-309 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0)



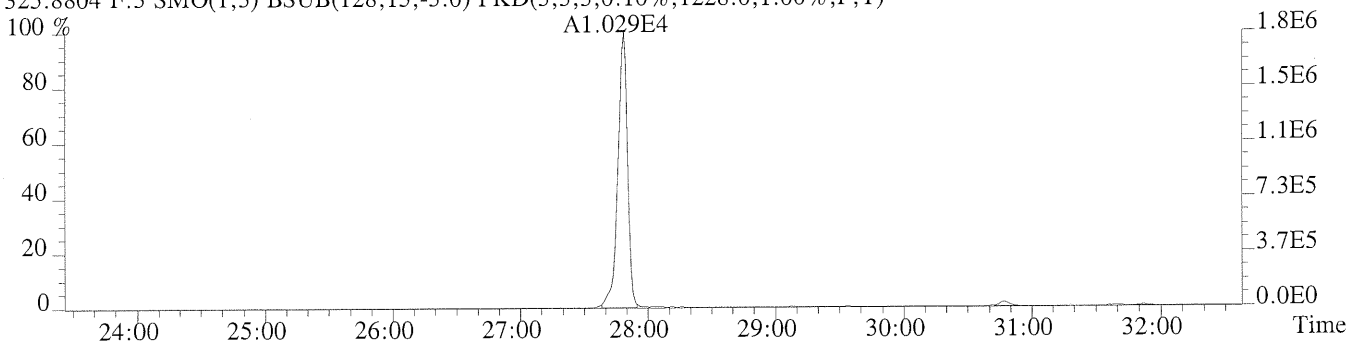
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0)



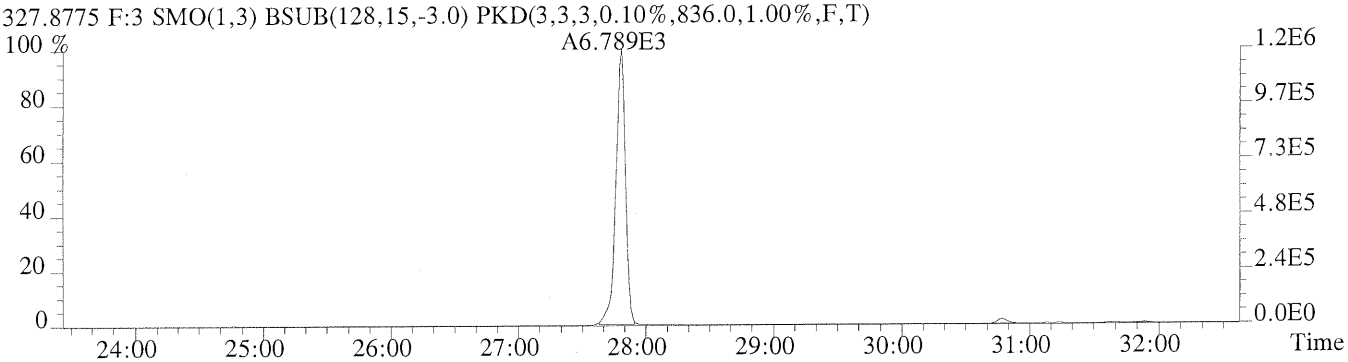
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 12/02/11 REVIEWER 12/6/11

File:U142161 #1-588 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

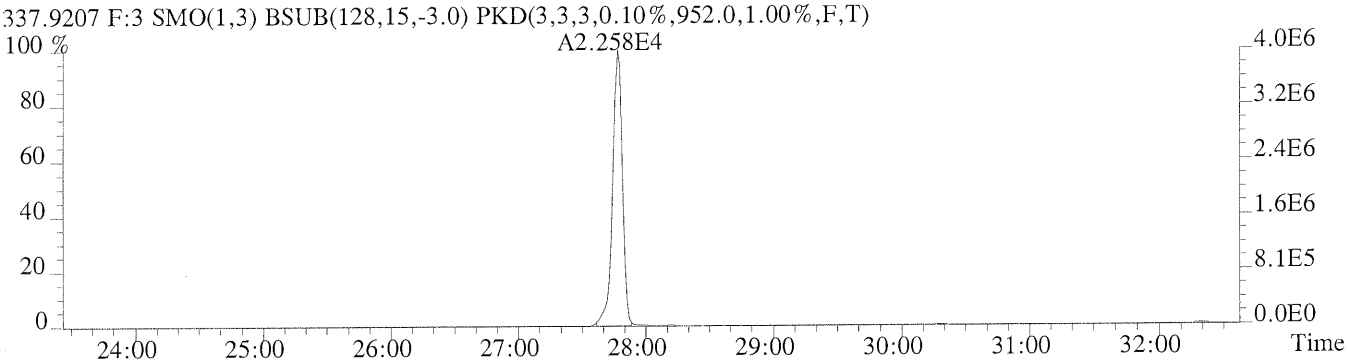
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)



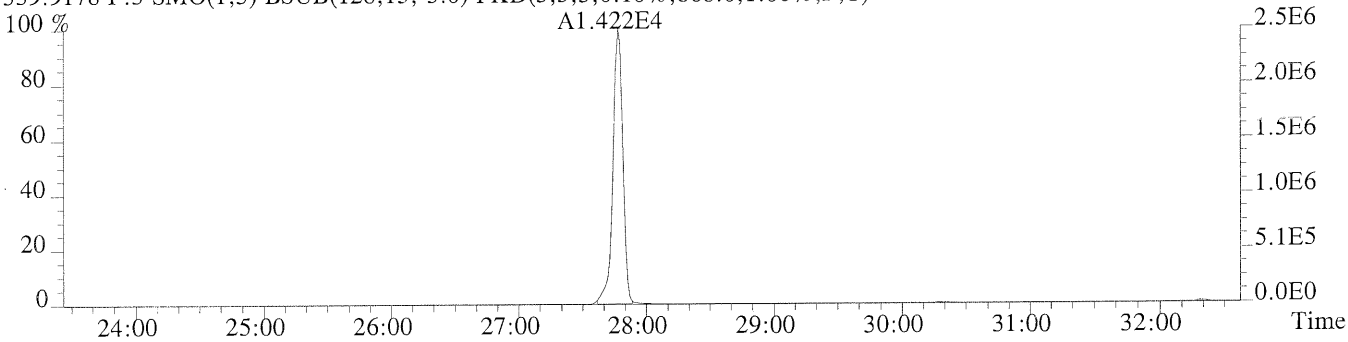
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,836.0,1.00%,F,T)



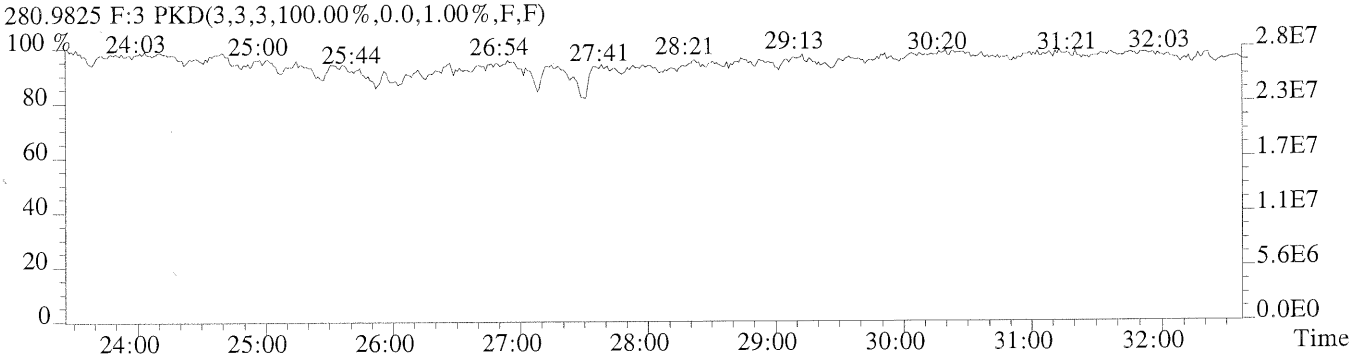
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,952.0,1.00%,F,T)



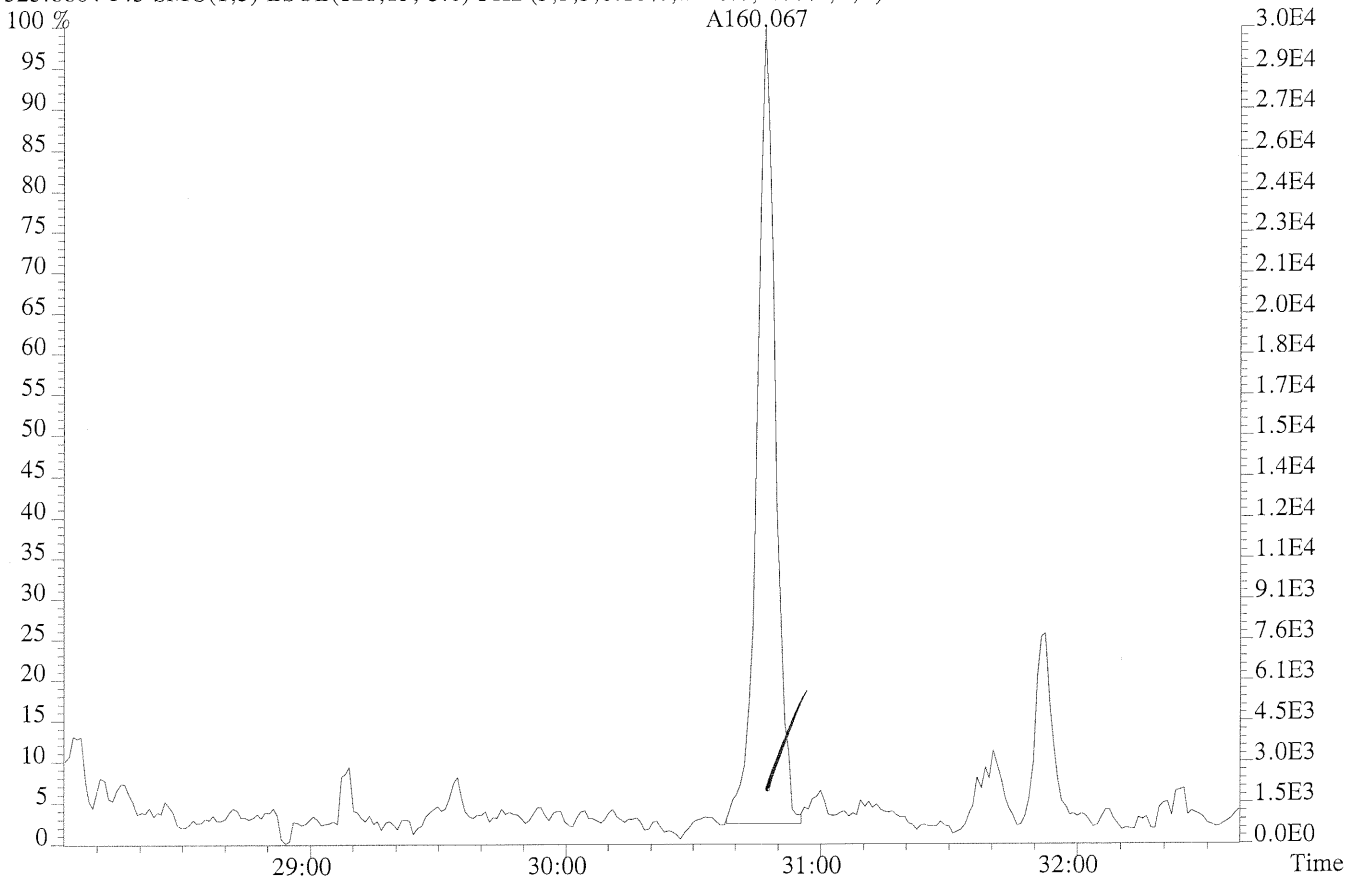
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



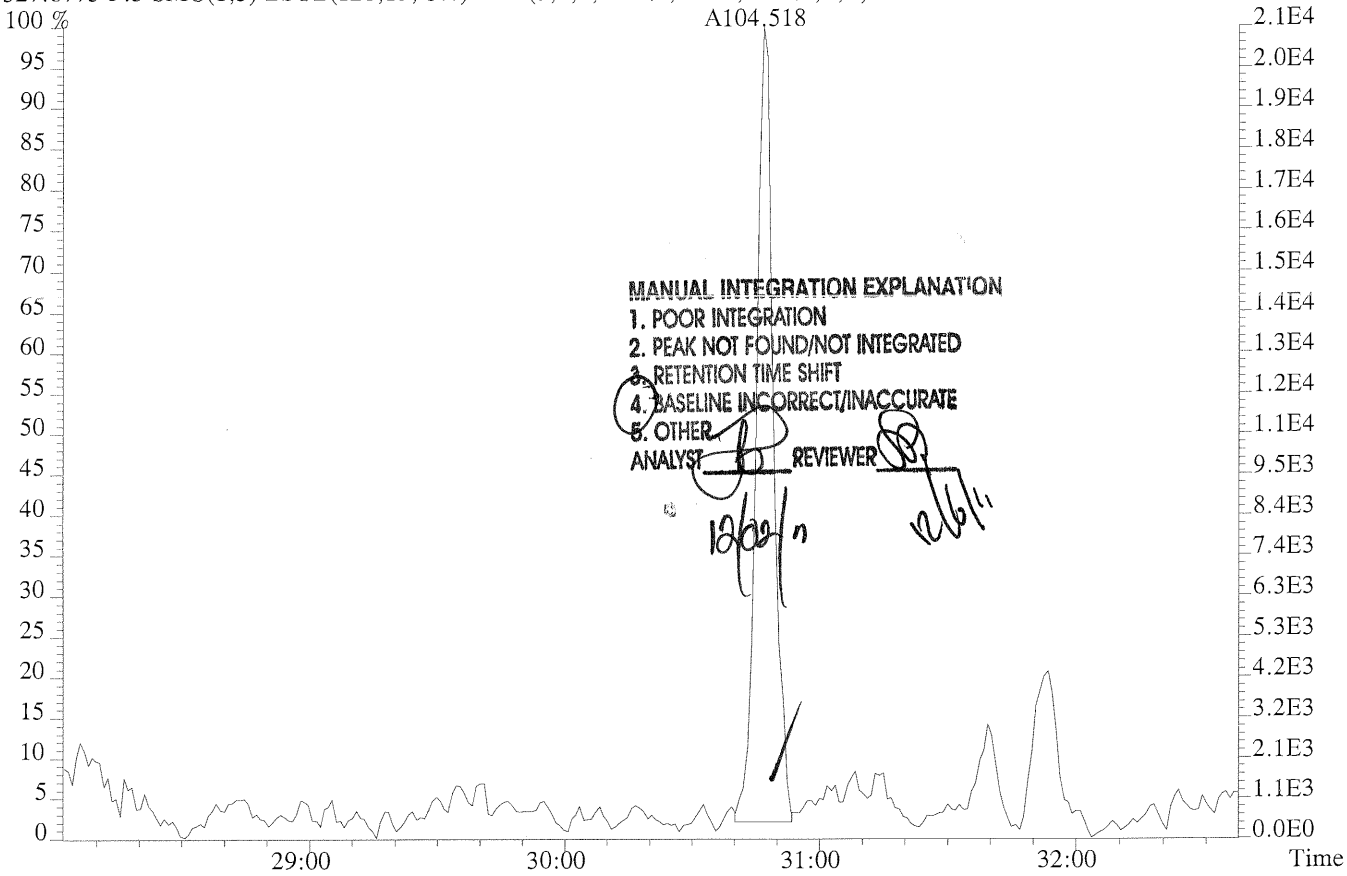
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142161 #1-588 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)



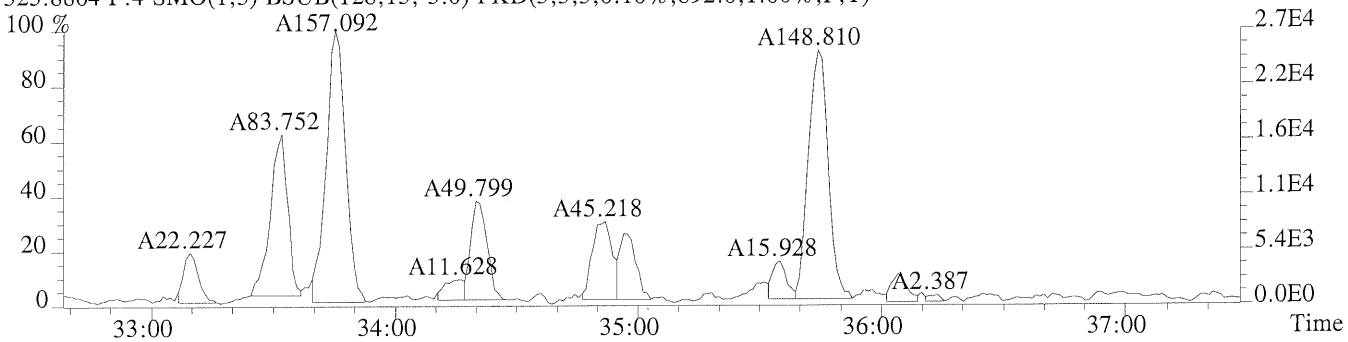
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,836.0,1.00%,F,T)



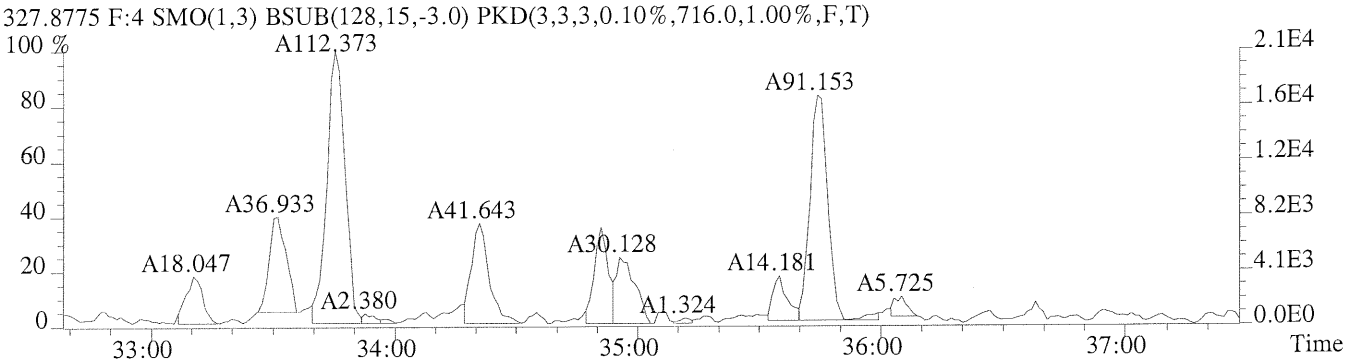
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
12/02/11 12/6/11

File:U142161 #1-309 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

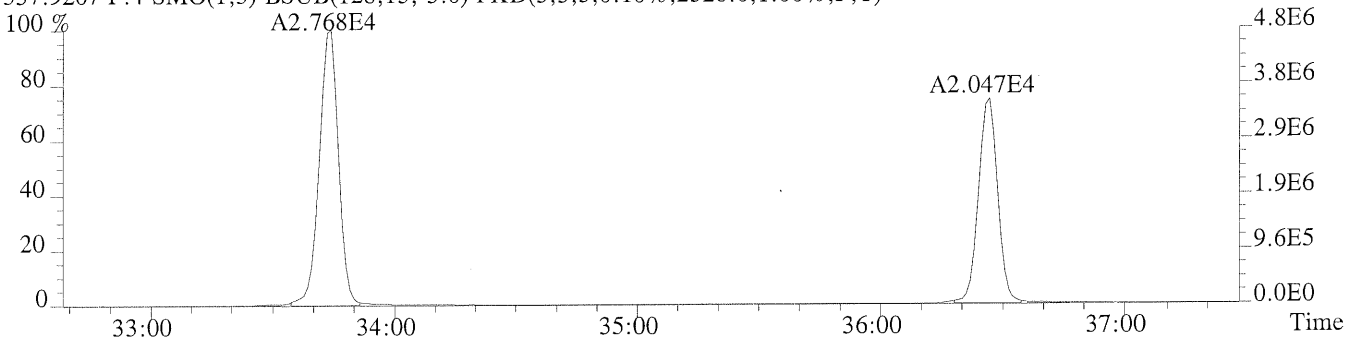
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,892.0,1.00%,F,T)



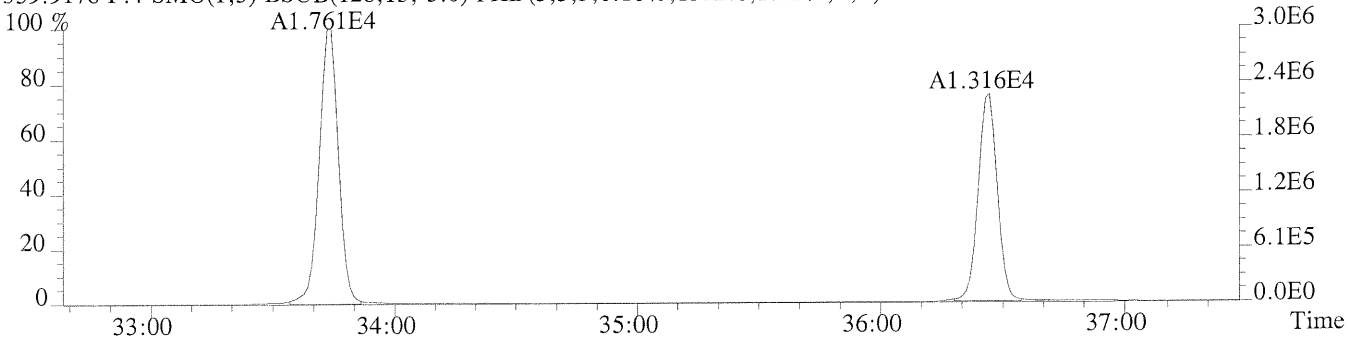
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)



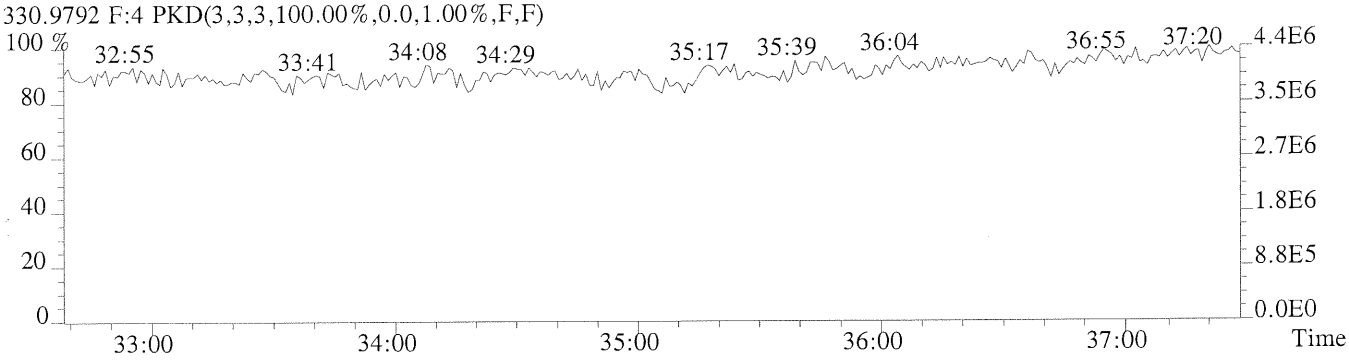
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2328.0,1.00%,F,T)



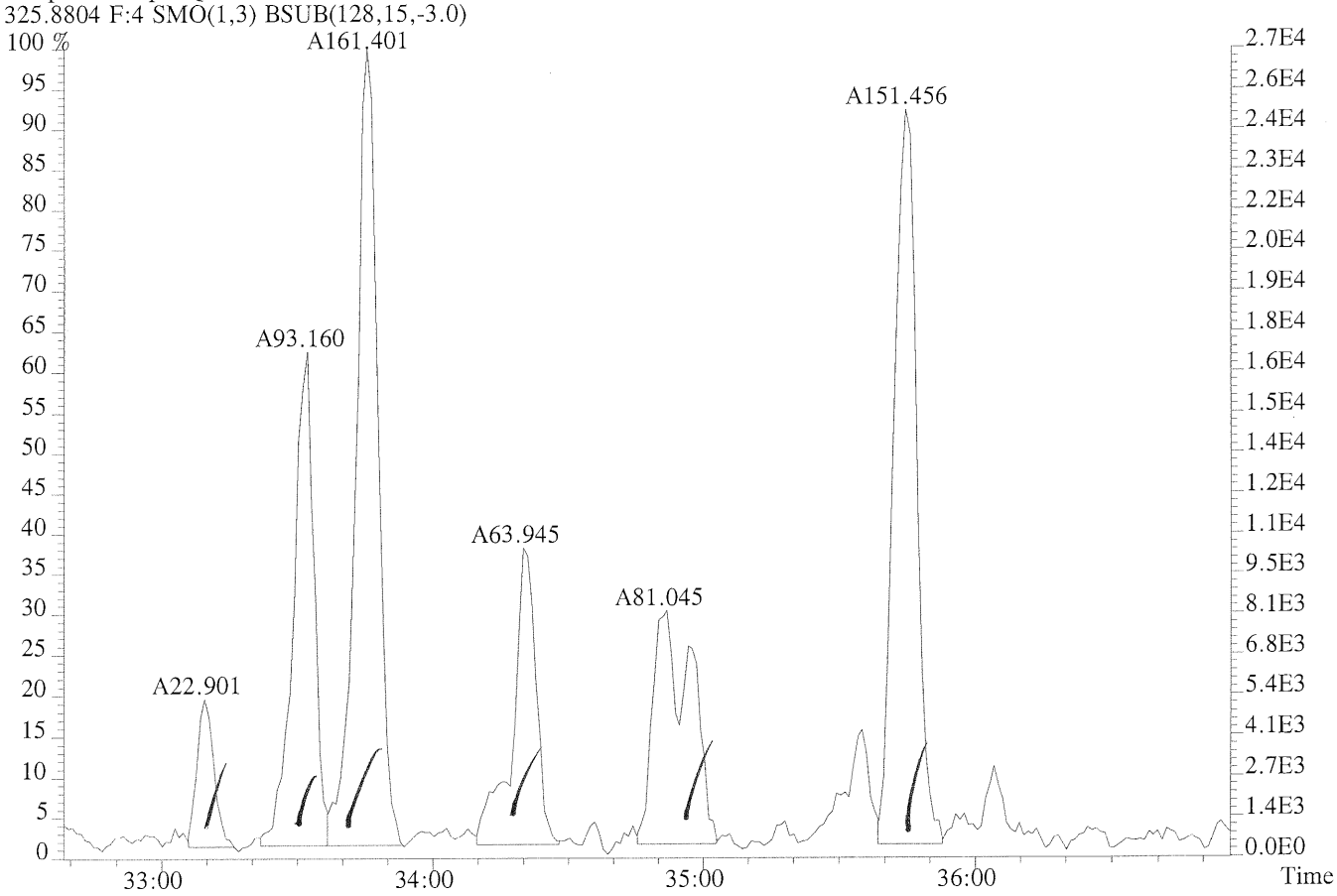
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1552.0,1.00%,F,T)



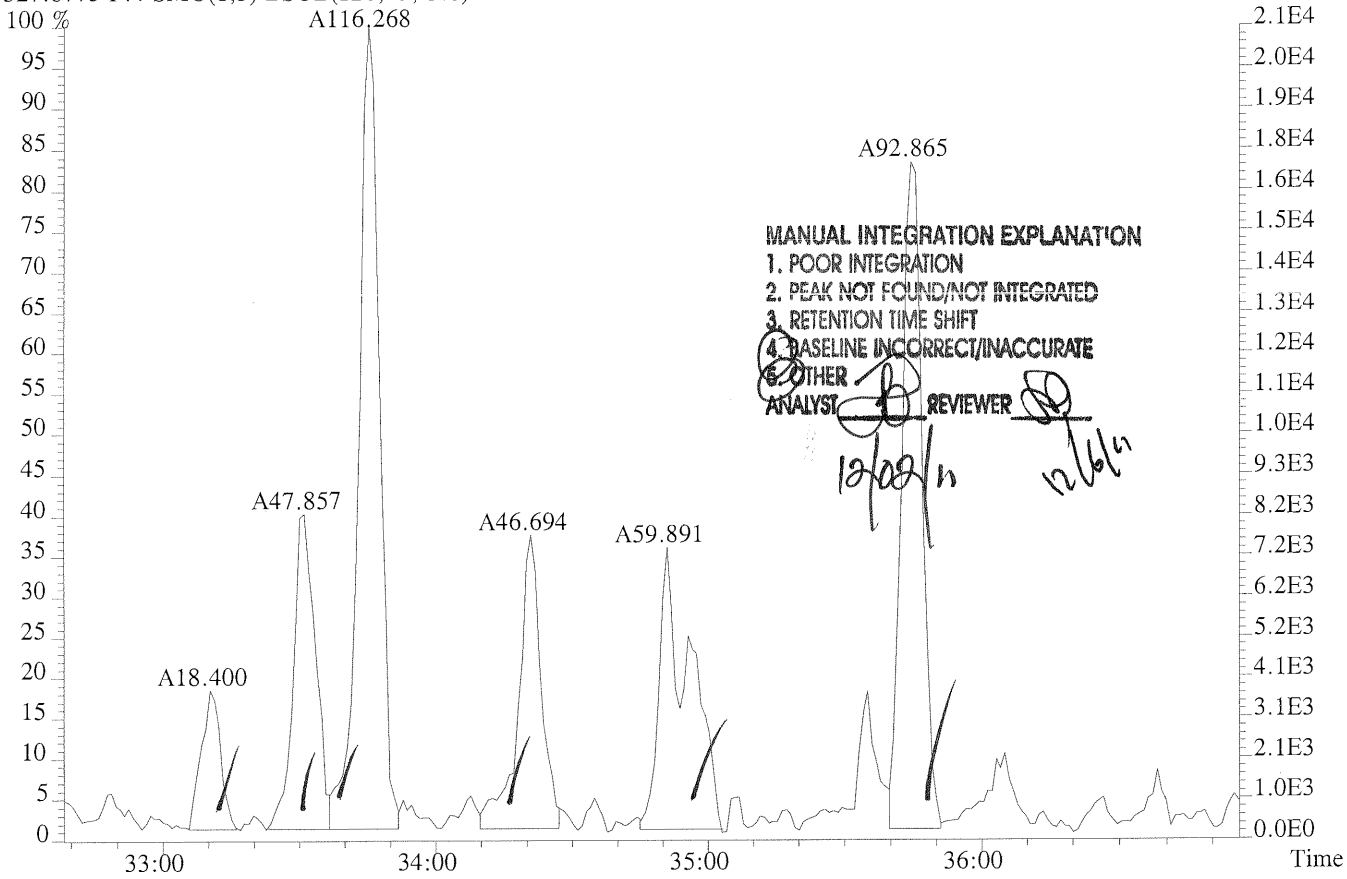
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142161 #1-309 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0)

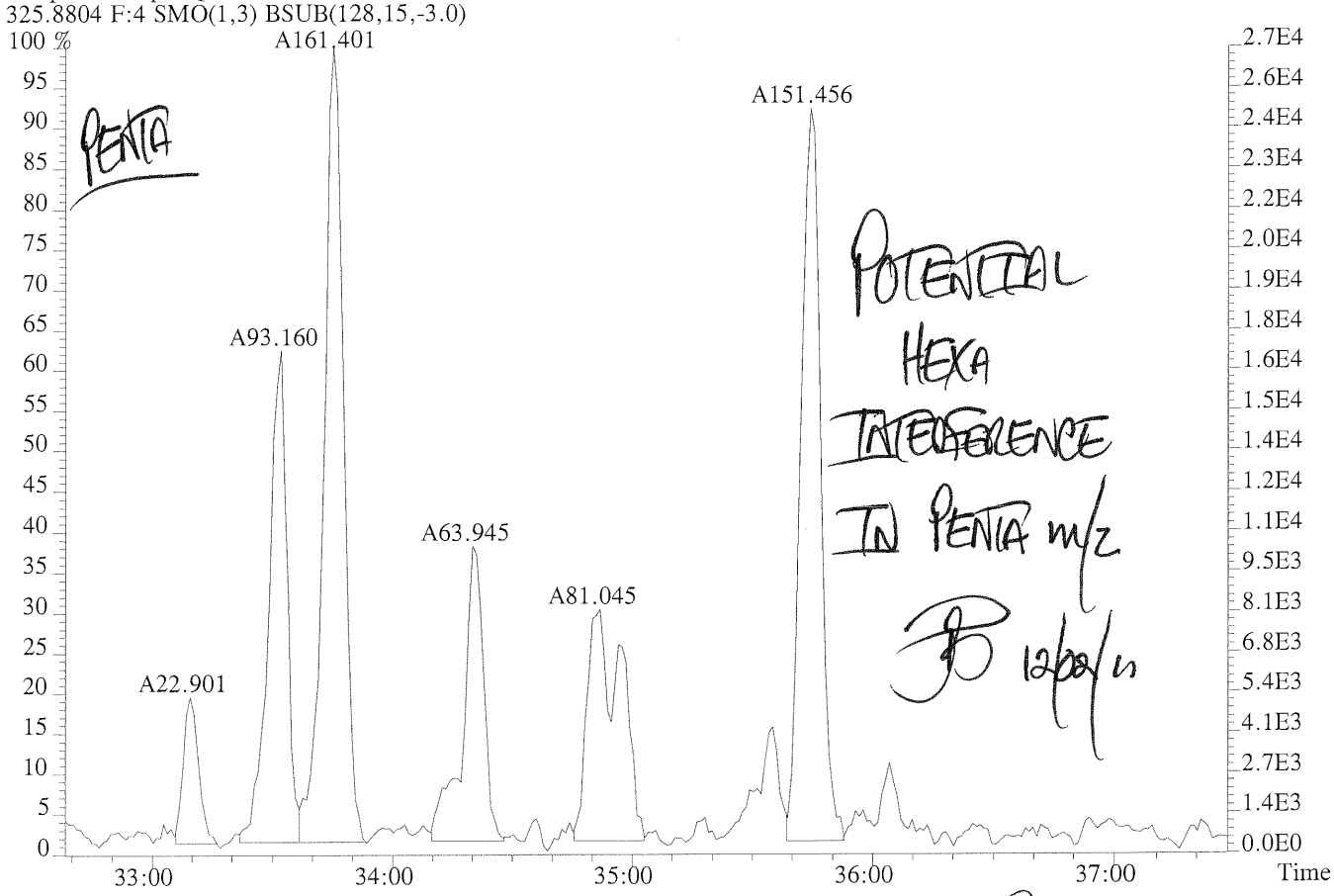


327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0)

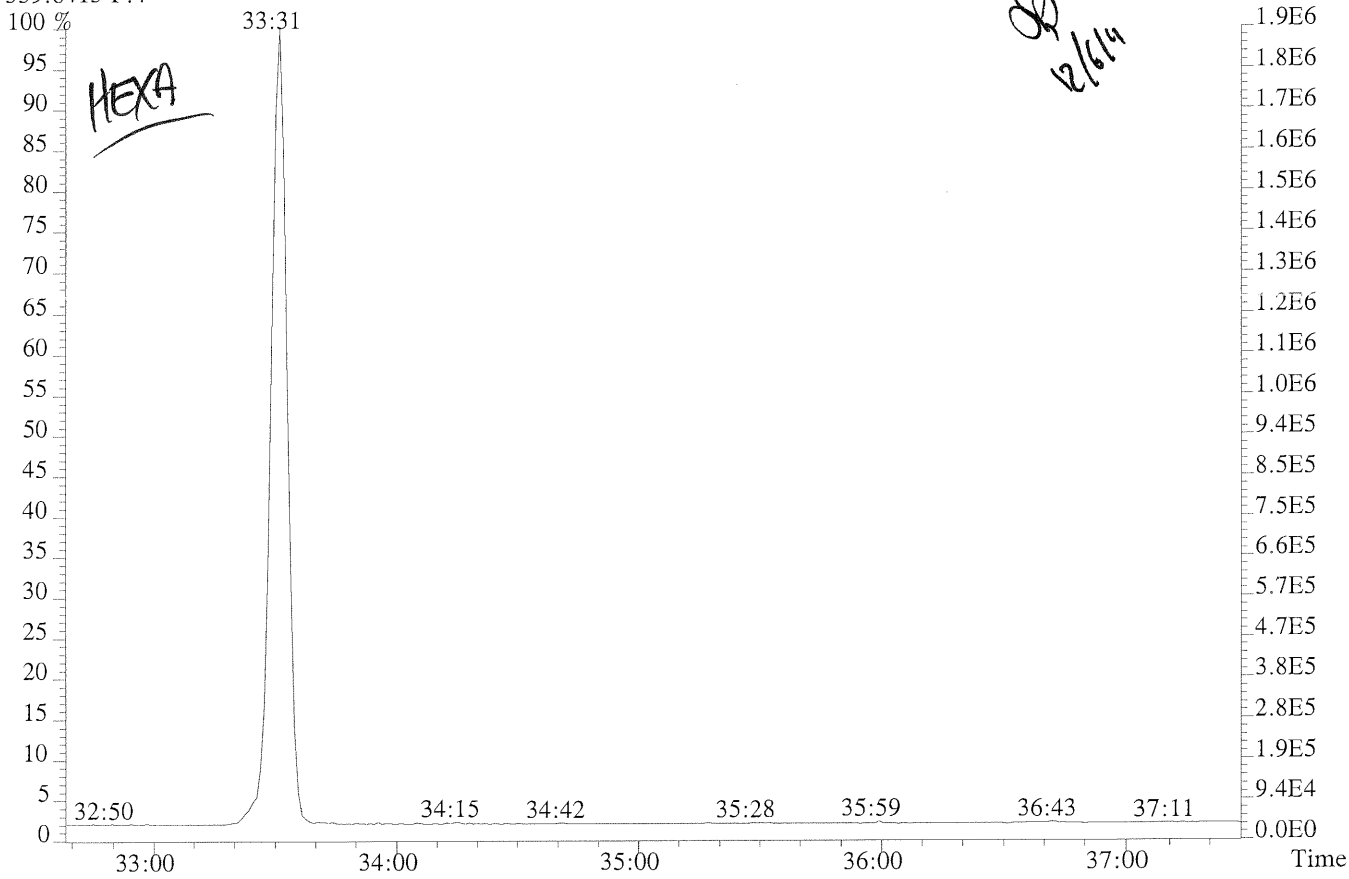


MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 12/02/11 REVIEWER 12/6/11

File:U142161 #1-309 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0)

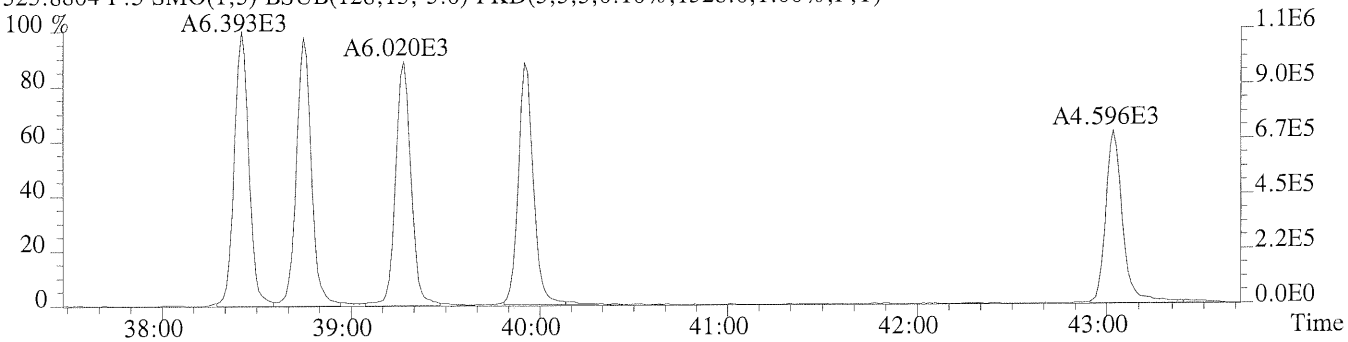


359.8415 F:4

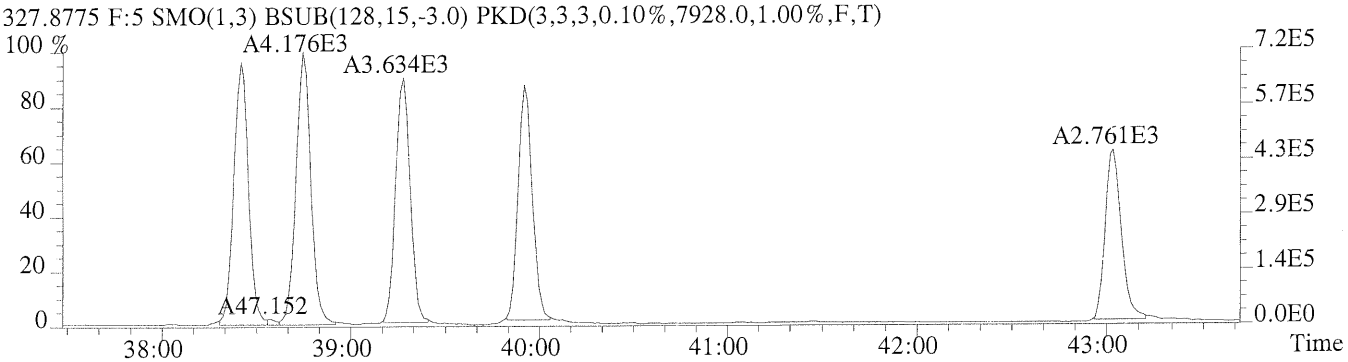


File:U142161 #1-398 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

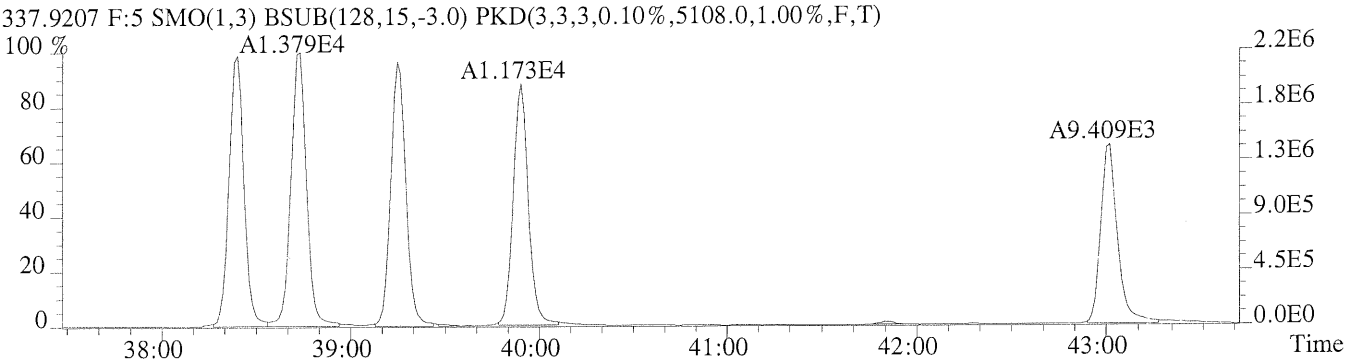
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1328.0,1.00%,F,T)



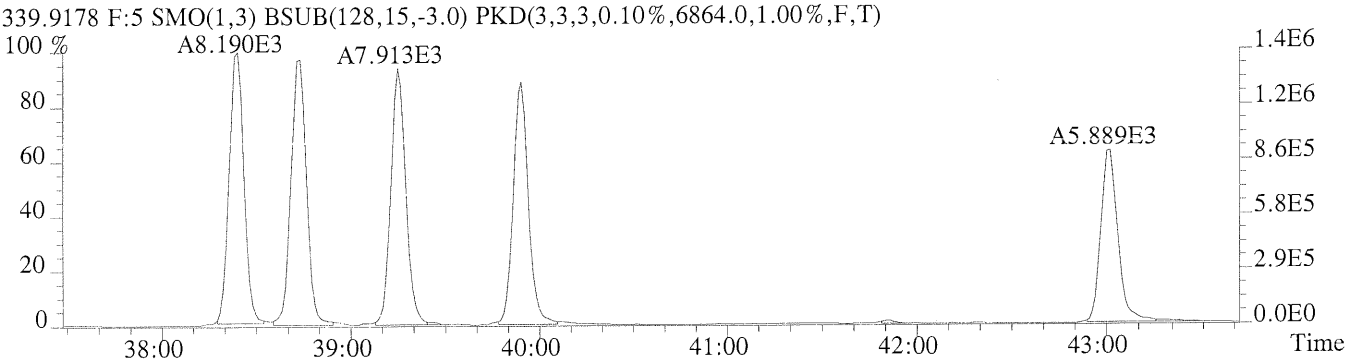
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7928.0,1.00%,F,T)



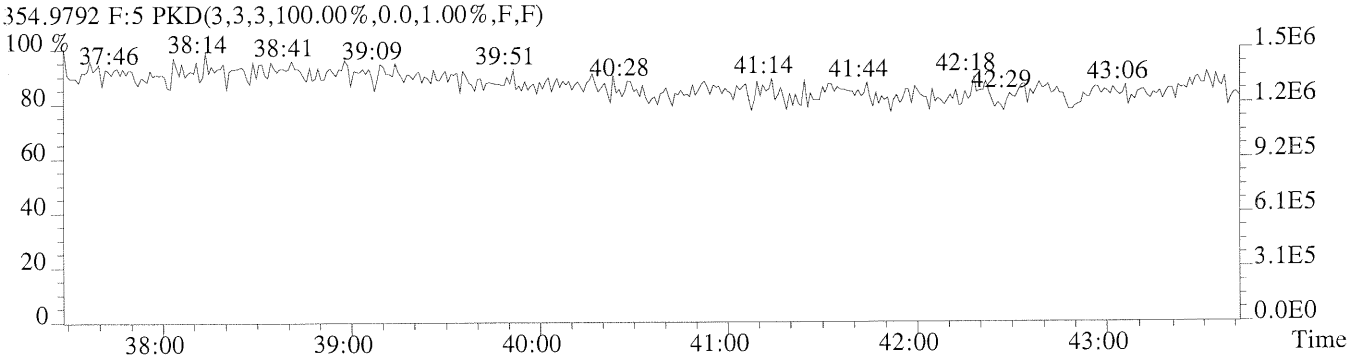
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5108.0,1.00%,F,T)



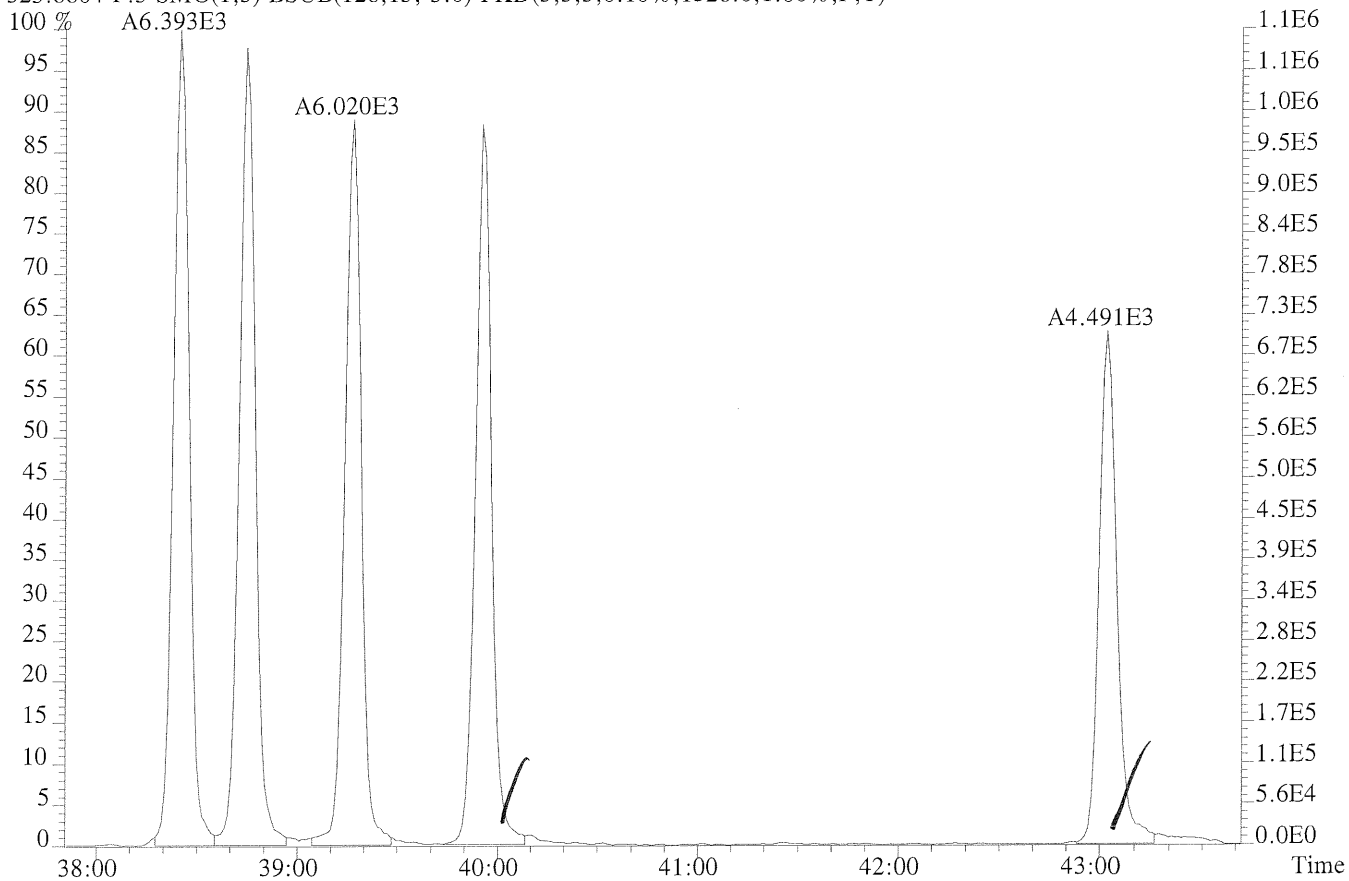
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6864.0,1.00%,F,T)



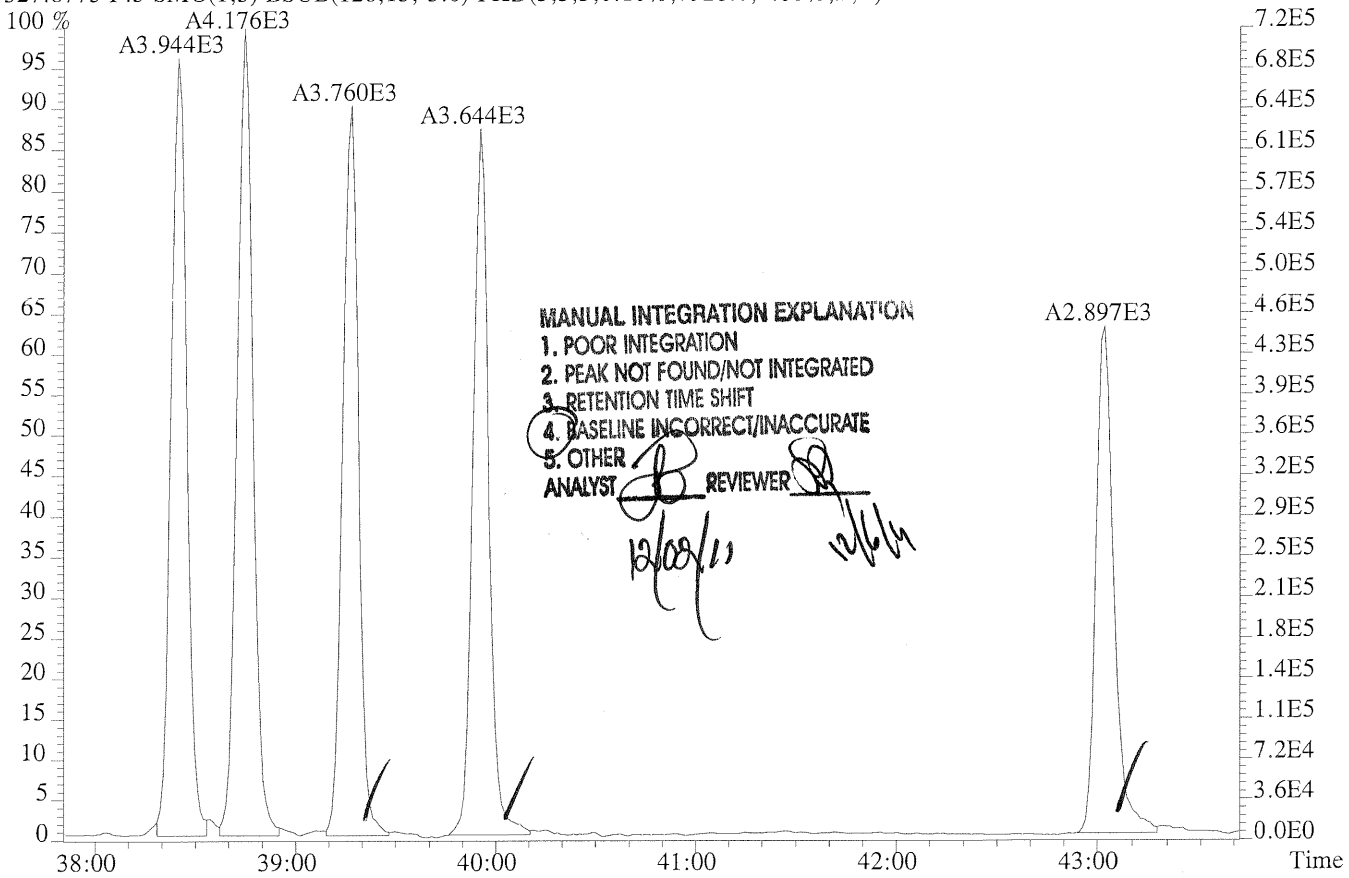
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142161 #1-398 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1328.0,1.00%,F,T)



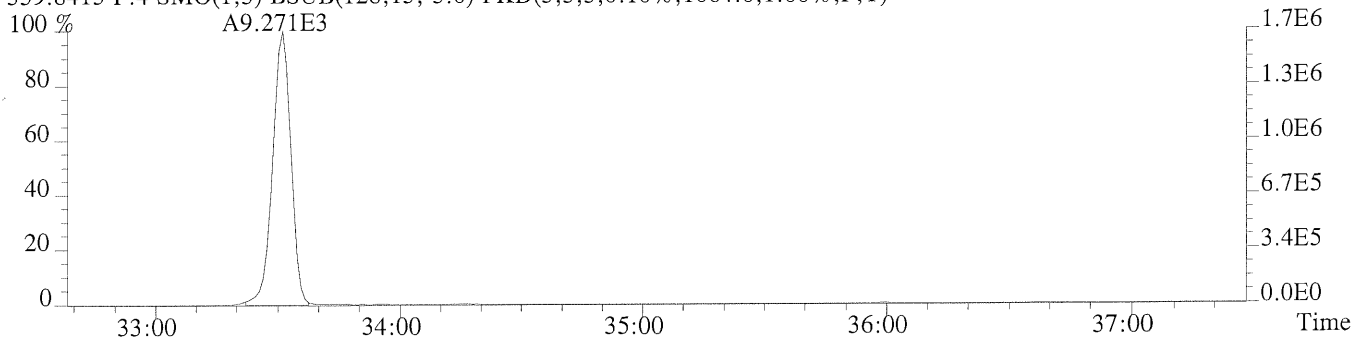
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7928.0,1.00%,F,T)



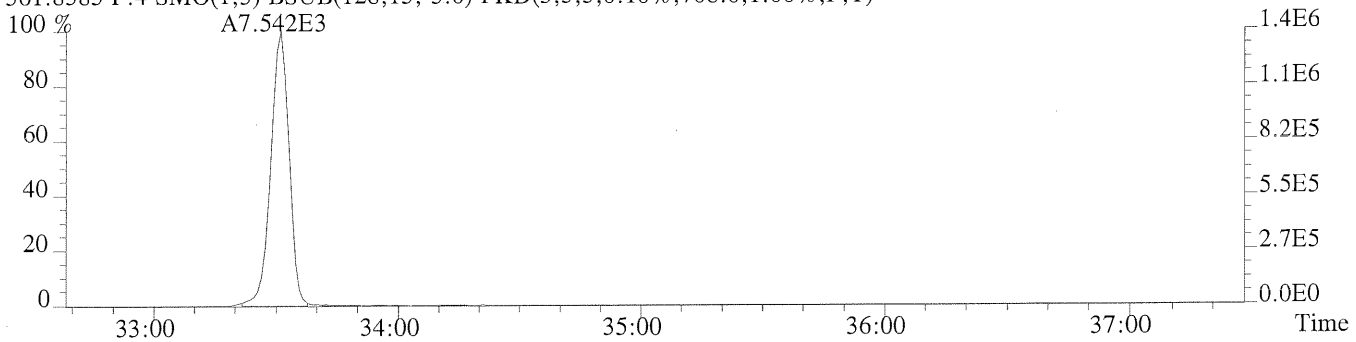
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST REVIEWER
12/08/11 12/6/11

File:U142161 #1-309 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

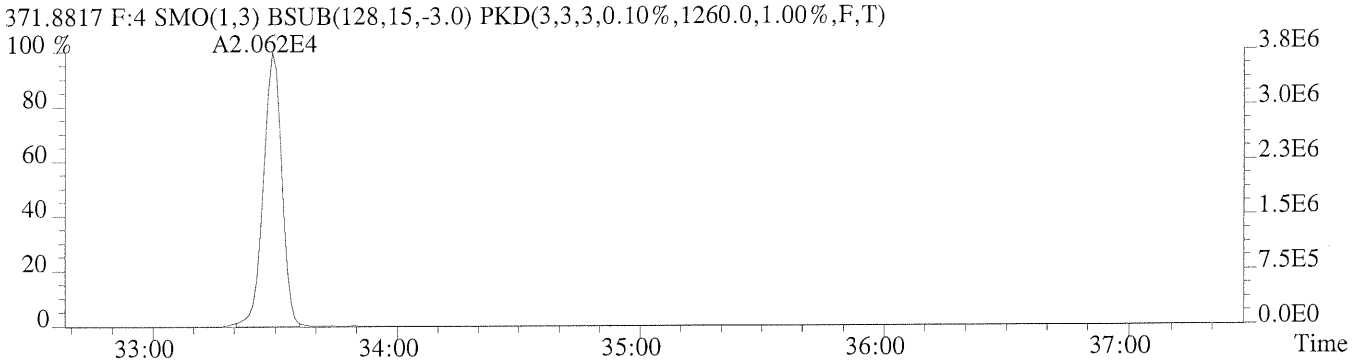
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1064.0,1.00%,F,T)



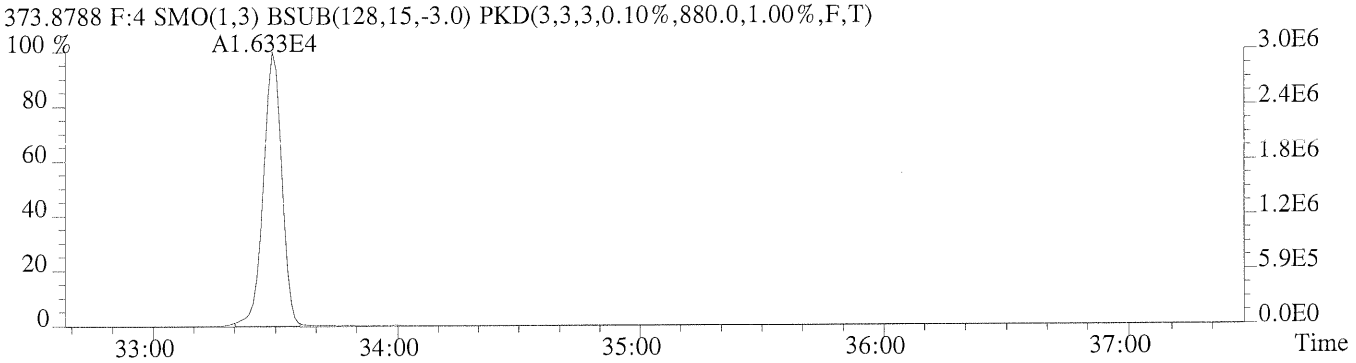
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,708.0,1.00%,F,T)



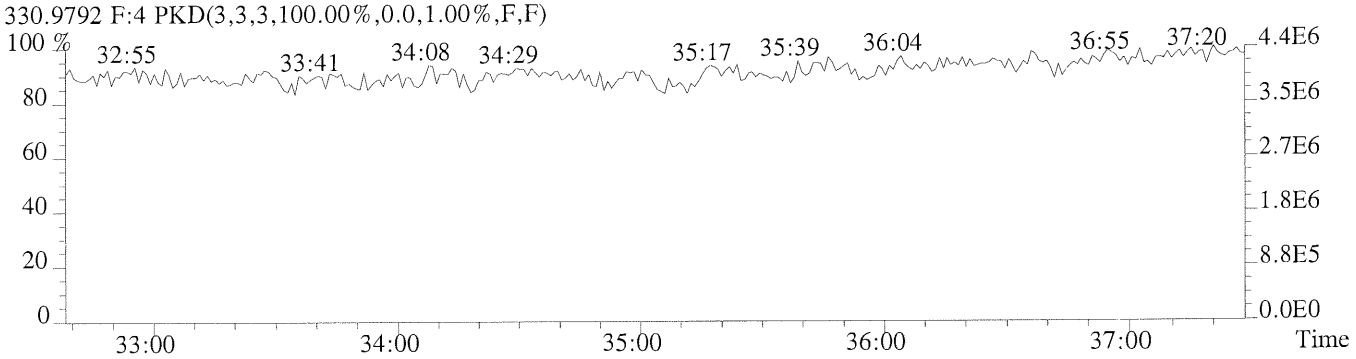
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1260.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)

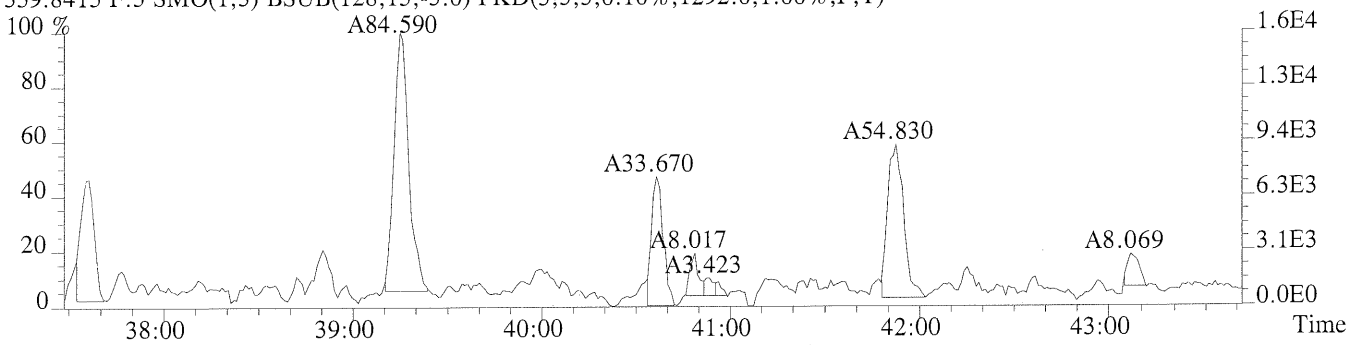


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

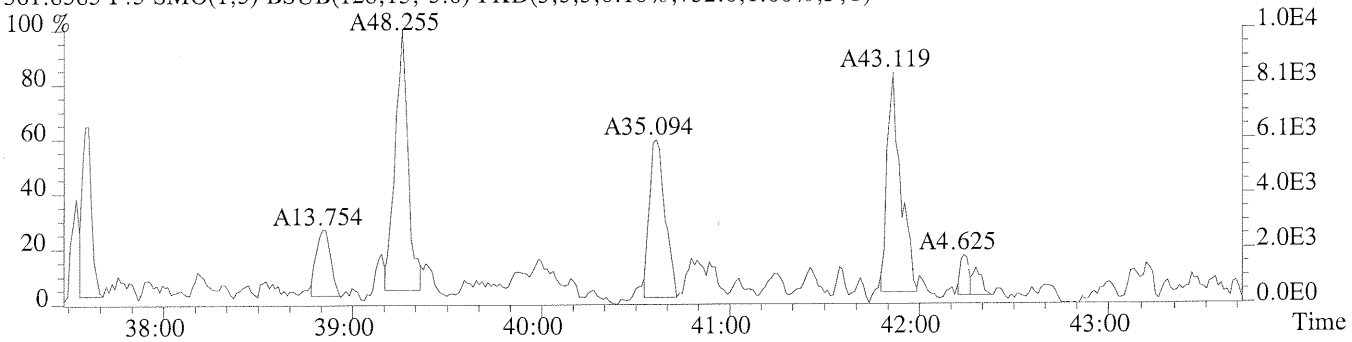


File:U142161 #1-398 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

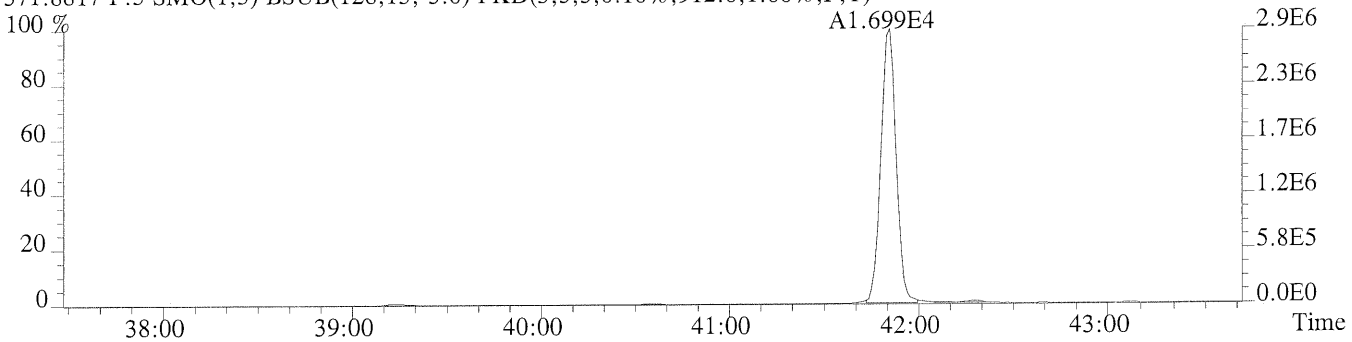
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1292.0,1.00%,F,T)



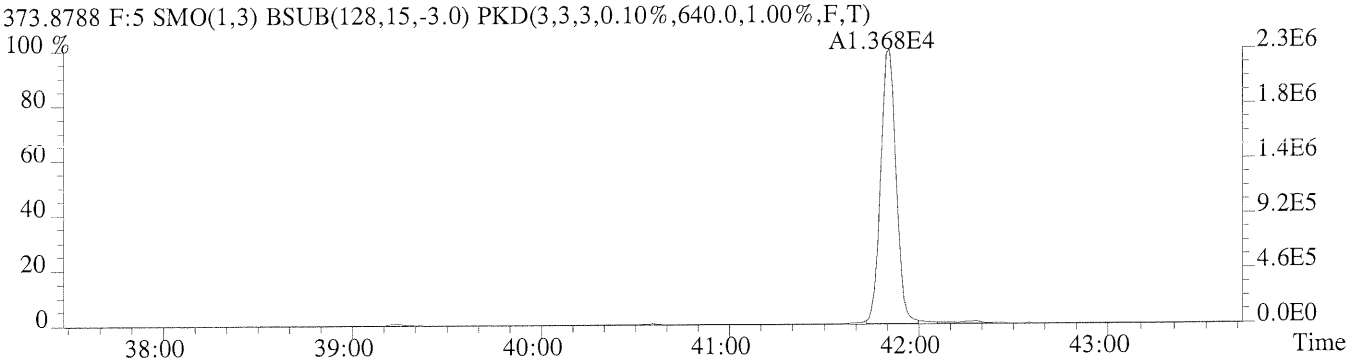
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,732.0,1.00%,F,T)



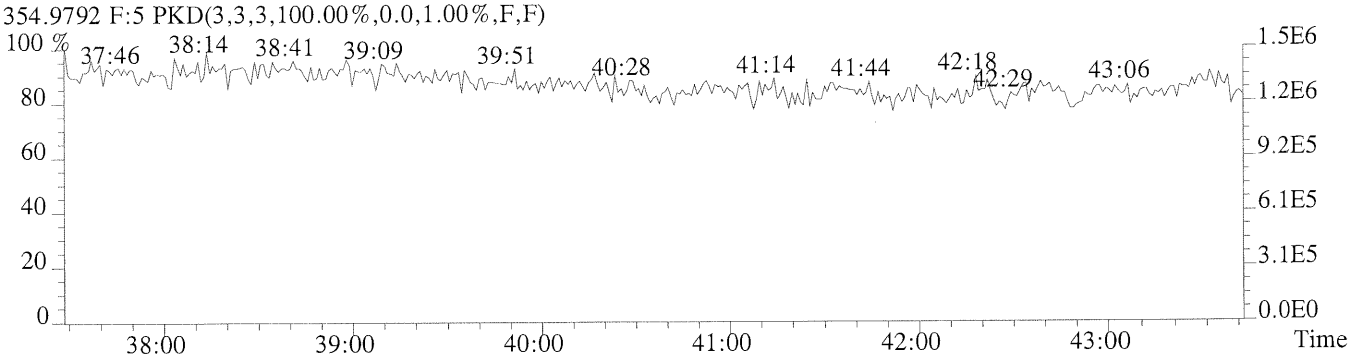
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



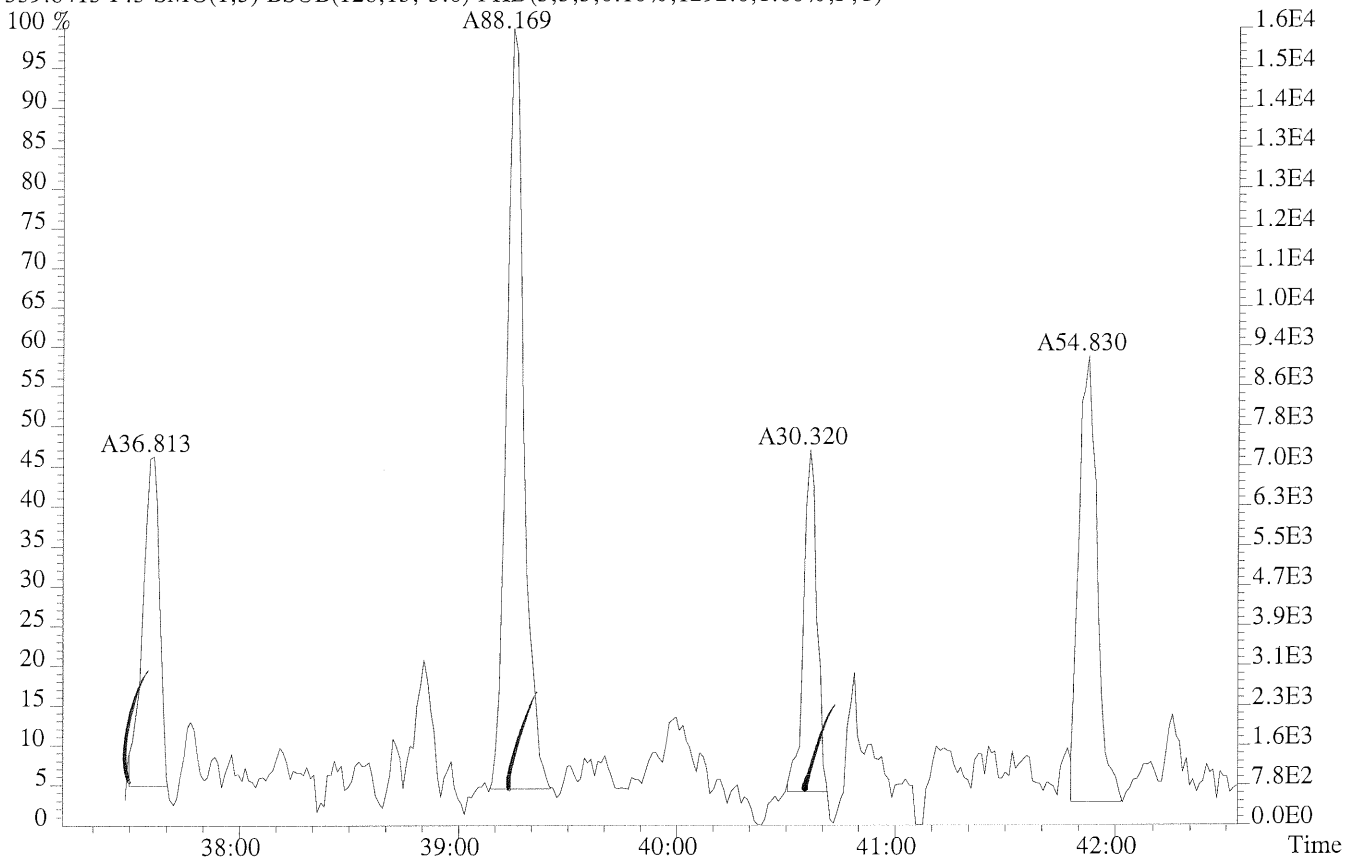
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,640.0,1.00%,F,T)



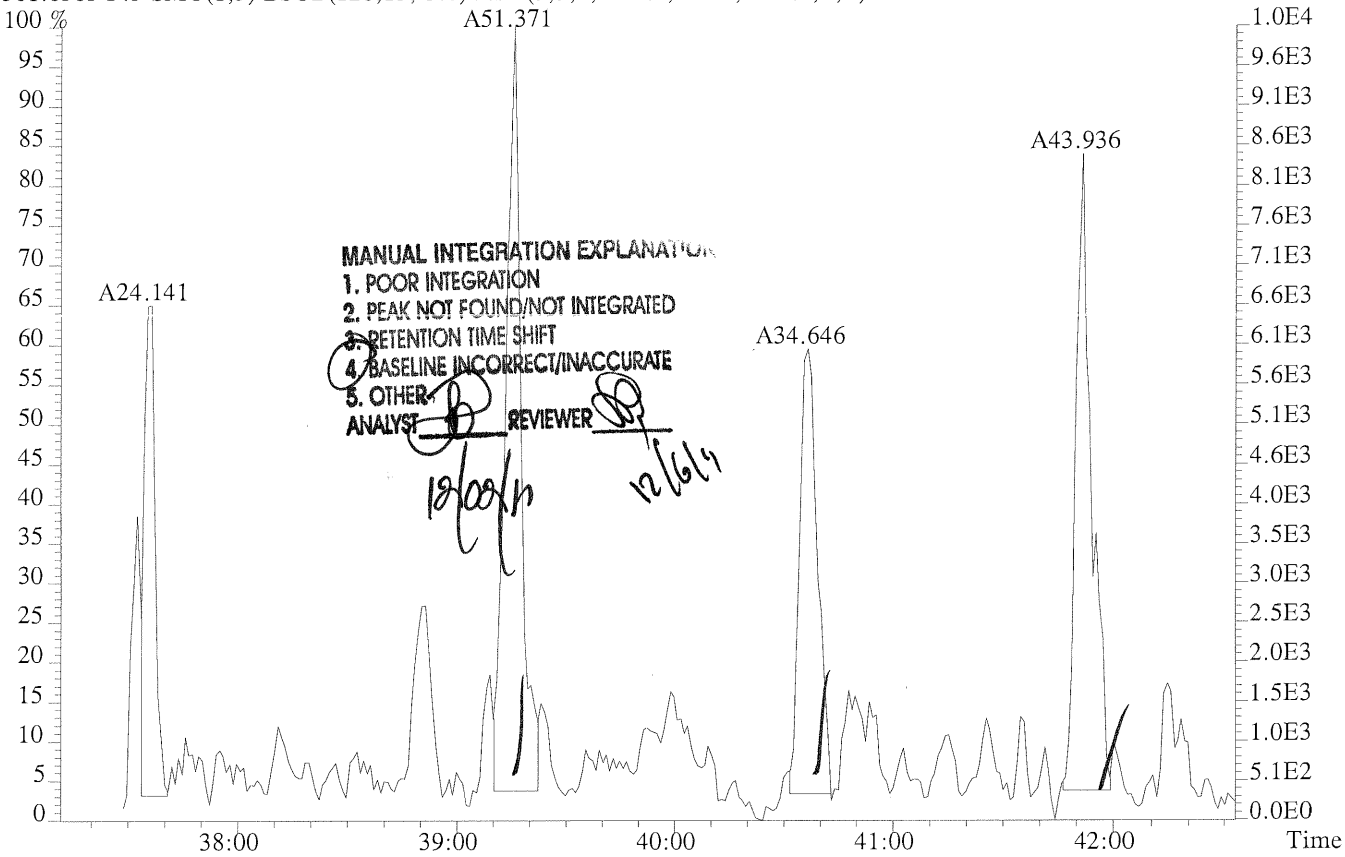
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142161 #1-398 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1292.0,1.00%,F,T)



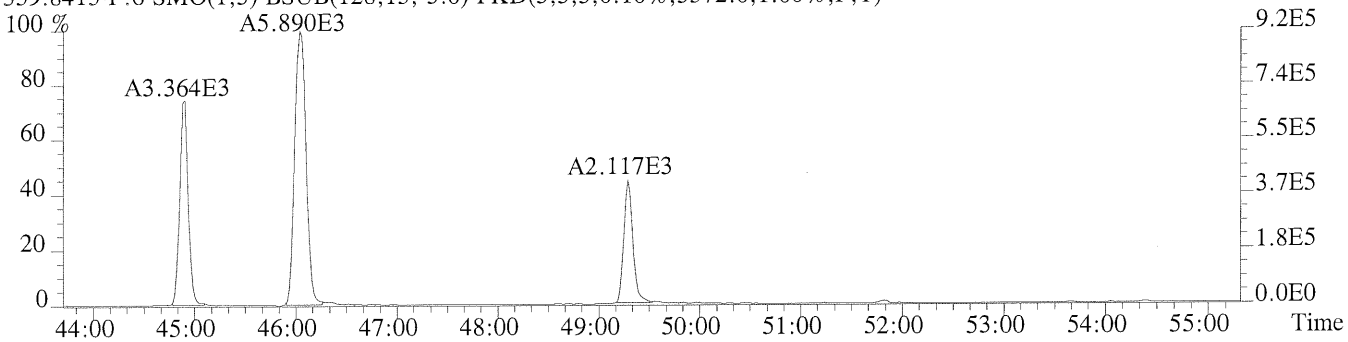
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,732.0,1.00%,F,T)



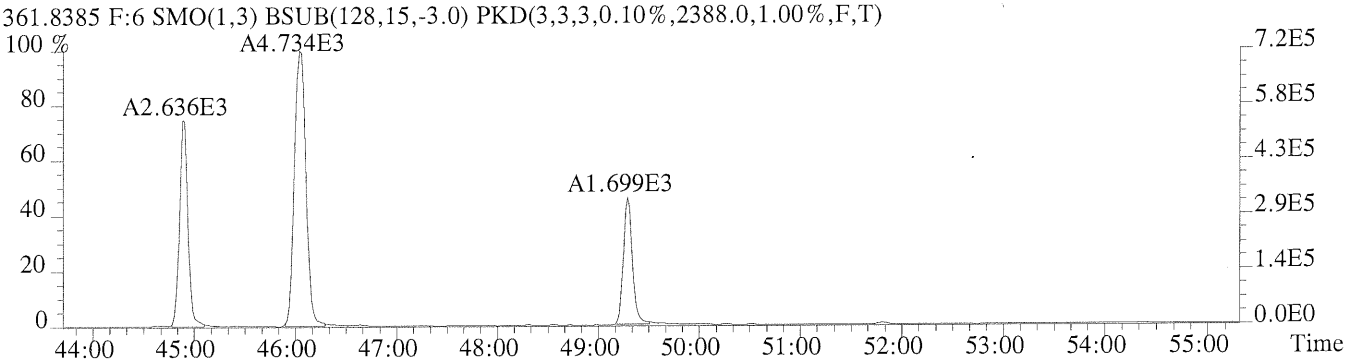
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ___ REVIEWER ___
12/08/11 12/6/11

File:U142161 #1-575 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

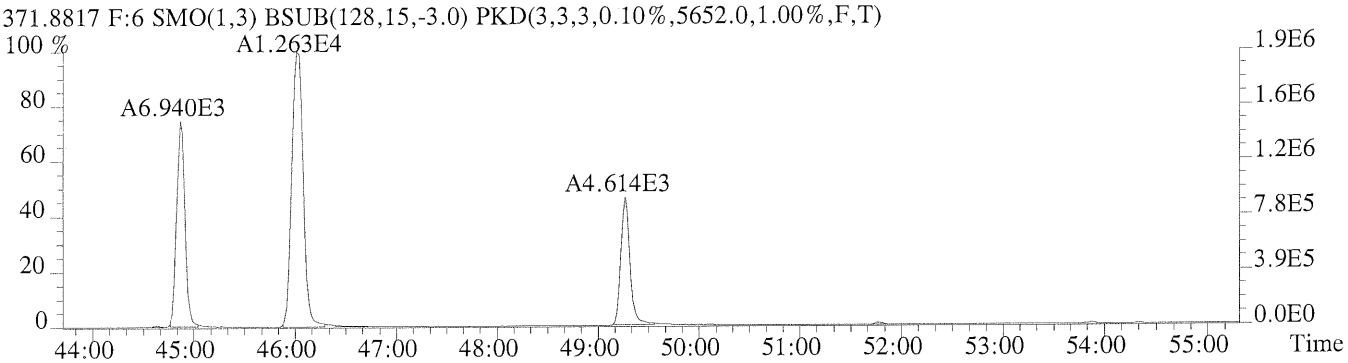
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3572.0,1.00%,F,T)



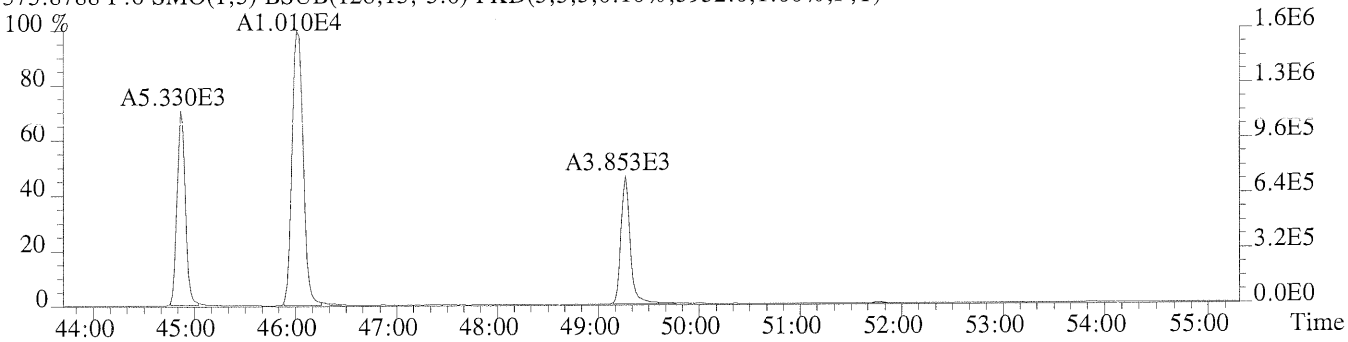
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2388.0,1.00%,F,T)



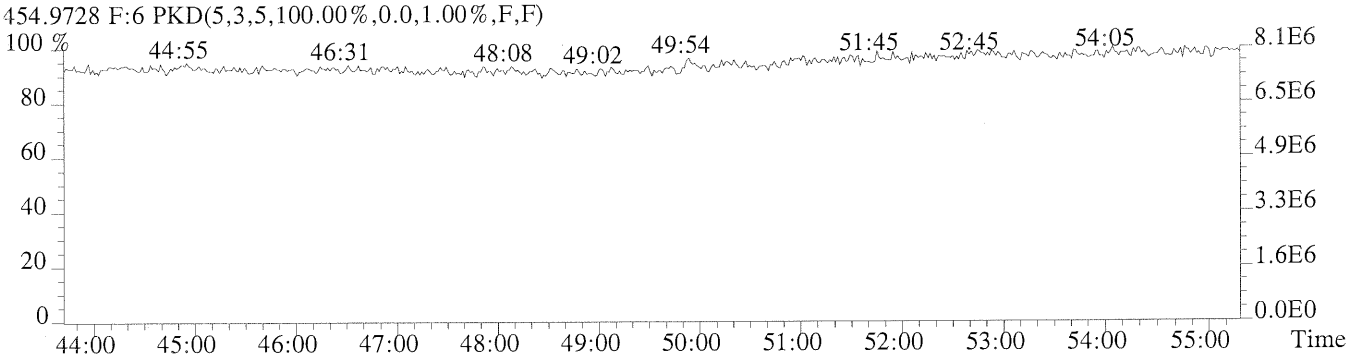
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5652.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3932.0,1.00%,F,T)

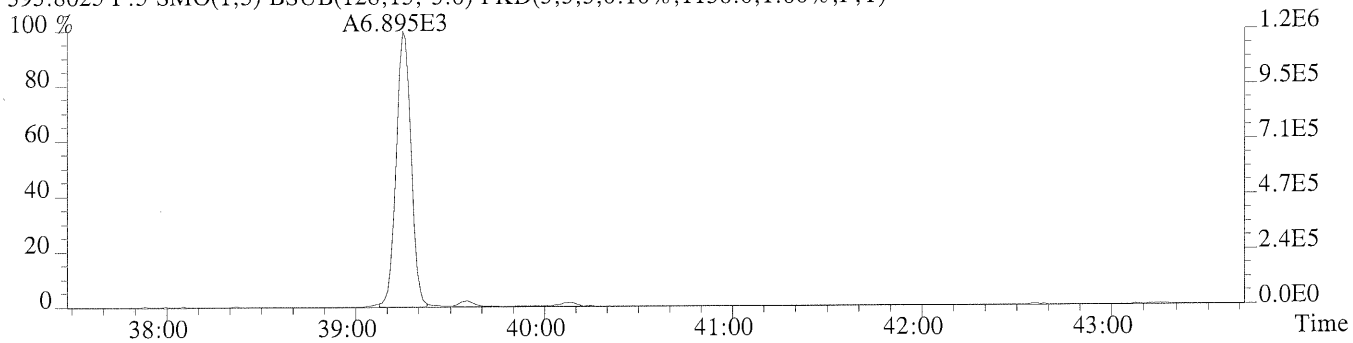


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

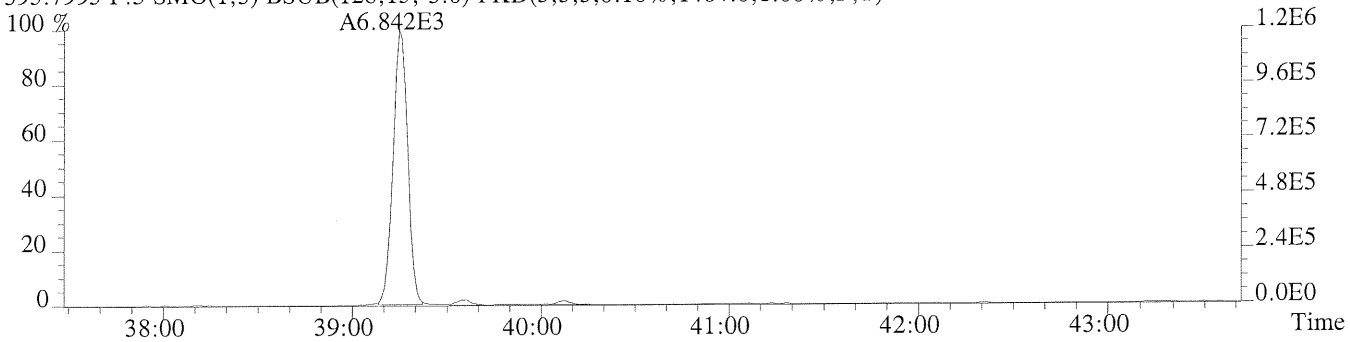


File:U142161 #1-398 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

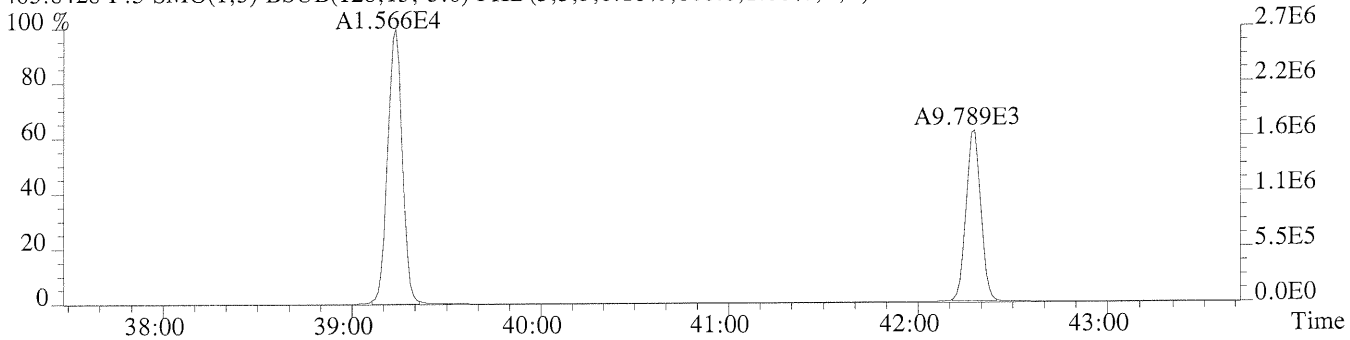
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1136.0,1.00%,F,T)



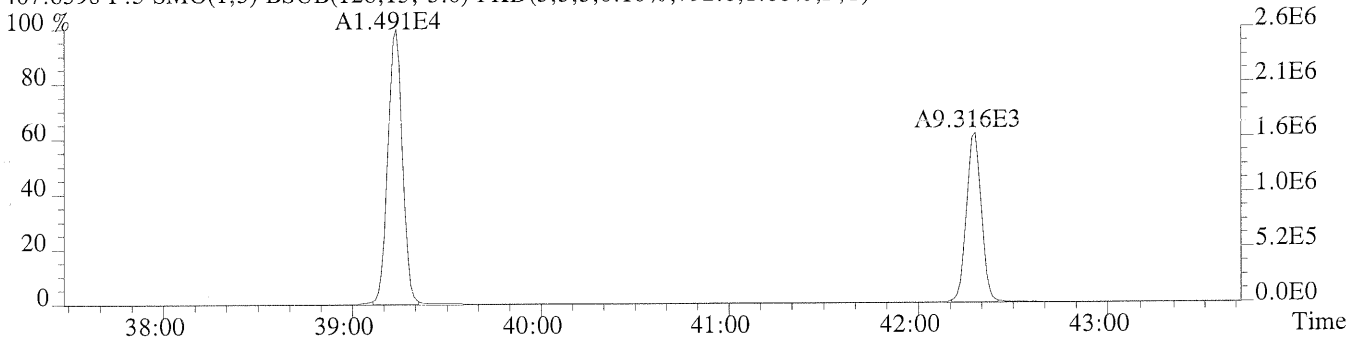
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1464.0,1.00%,F,T)



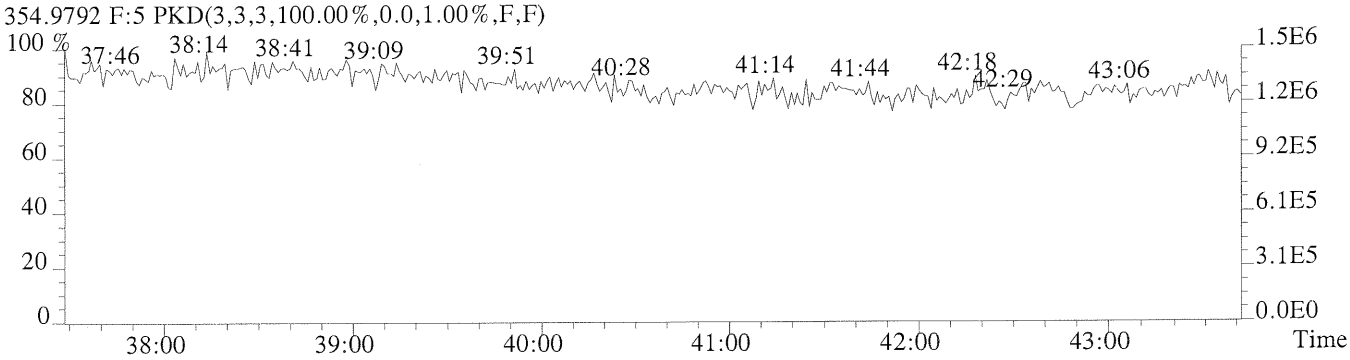
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,792.0,1.00%,F,T)

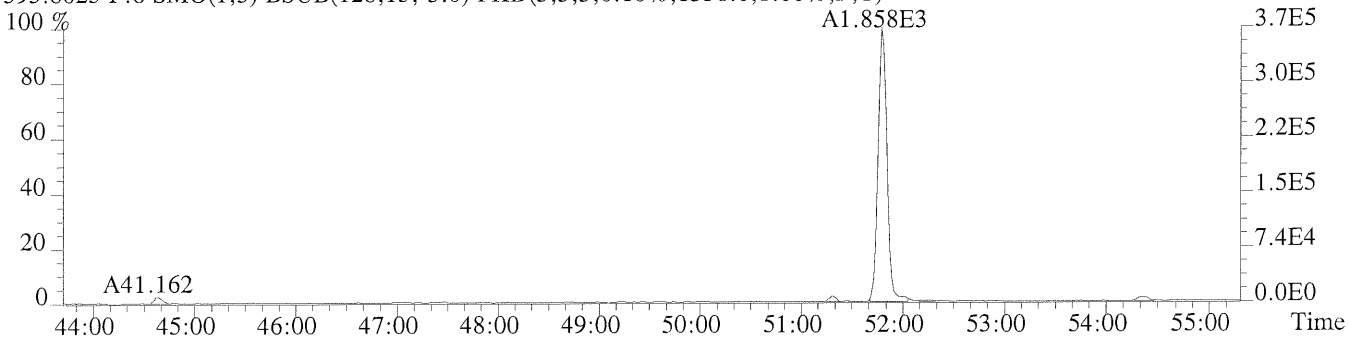


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

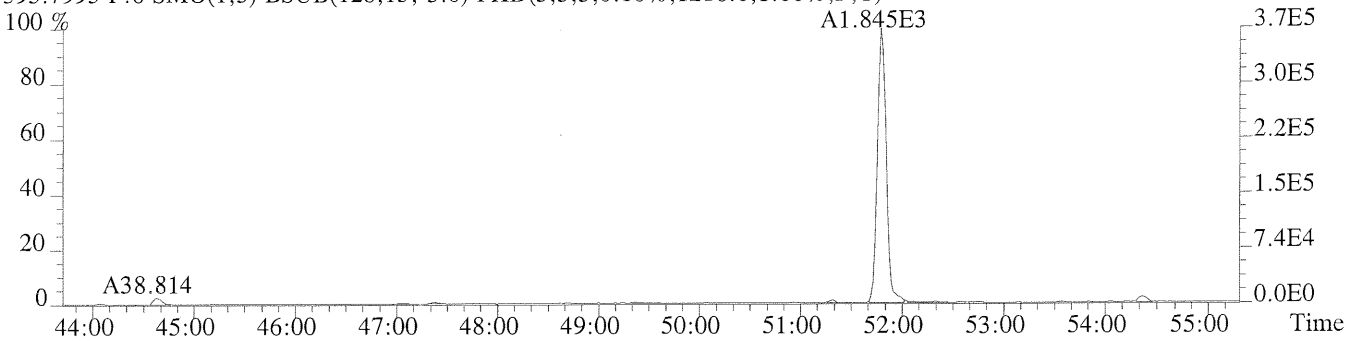


File:U142161 #1-575 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

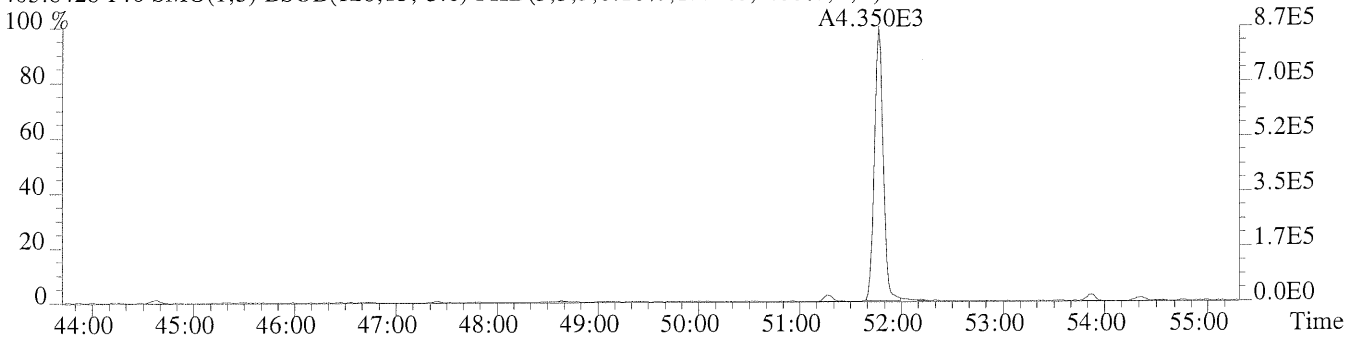
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1356.0,1.00%,F,T)



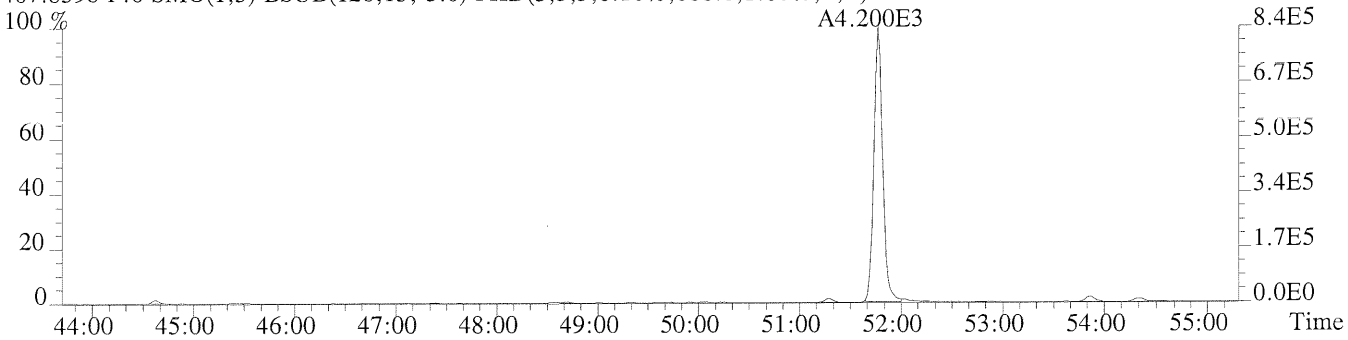
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1216.0,1.00%,F,T)



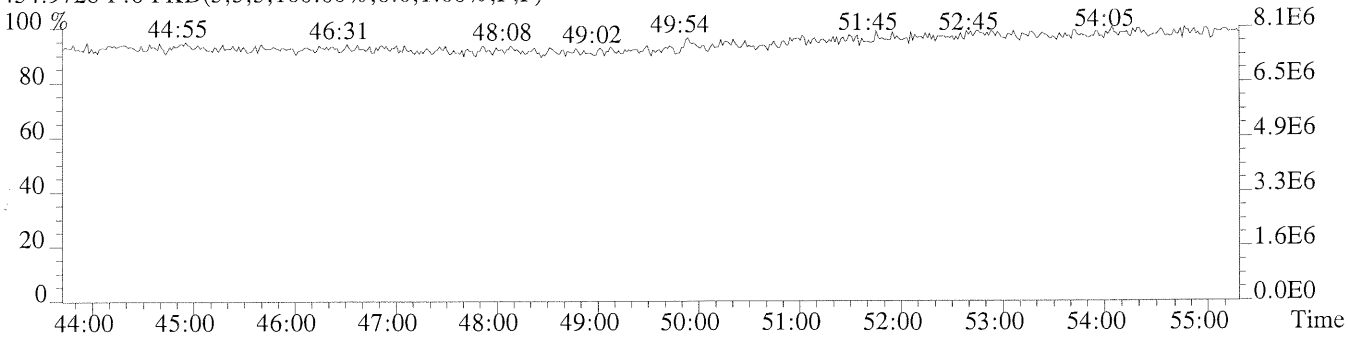
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1112.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,888.0,1.00%,F,T)

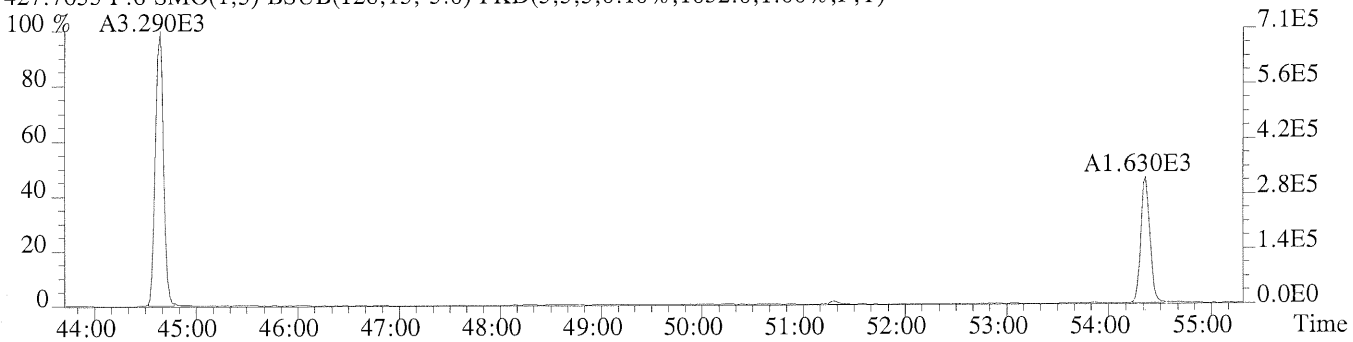


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

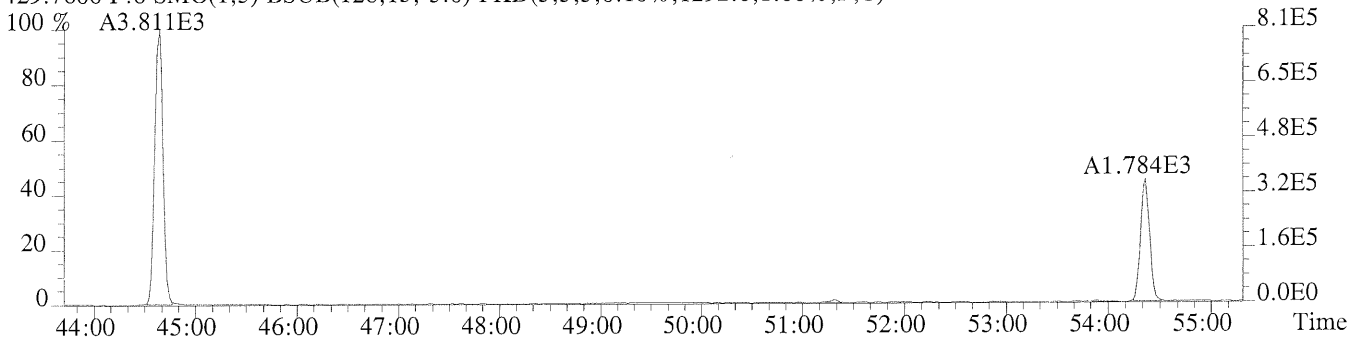


File:U142161 #1-575 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

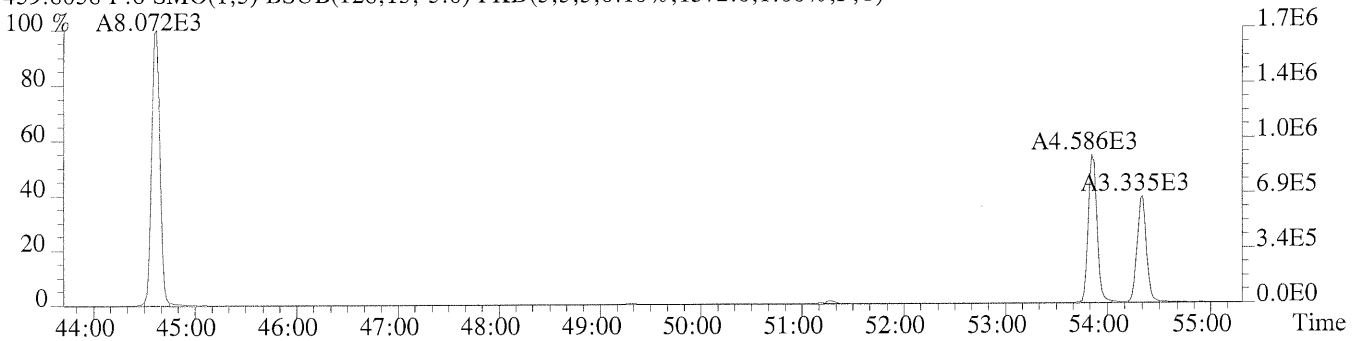
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1052.0,1.00%,F,T)



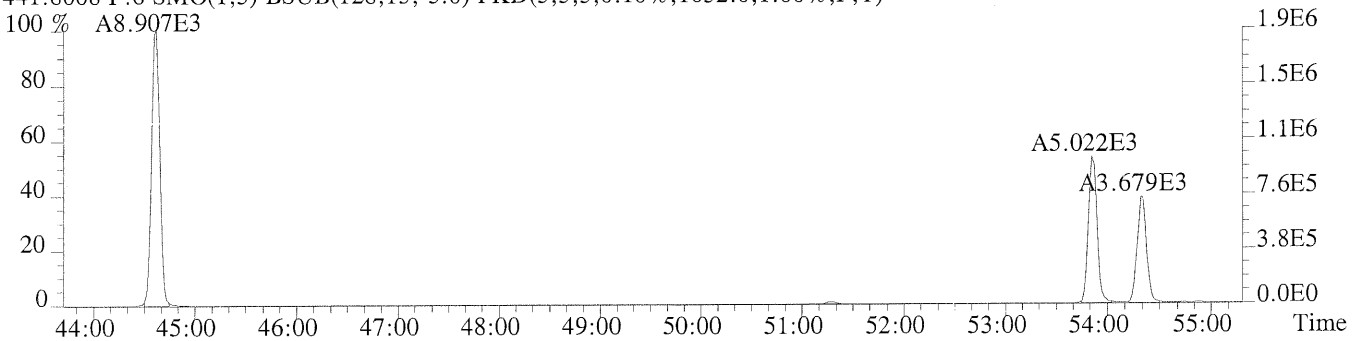
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1292.0,1.00%,F,T)



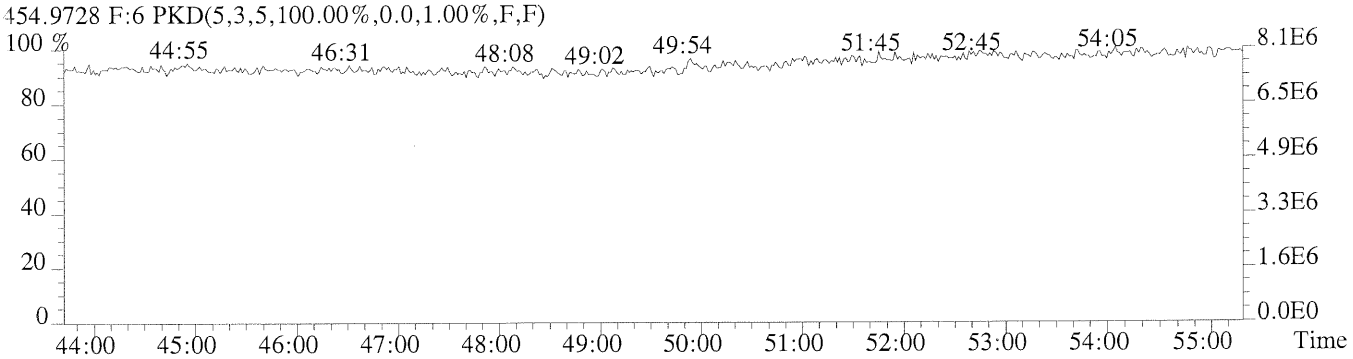
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1572.0,1.00%,F,T)



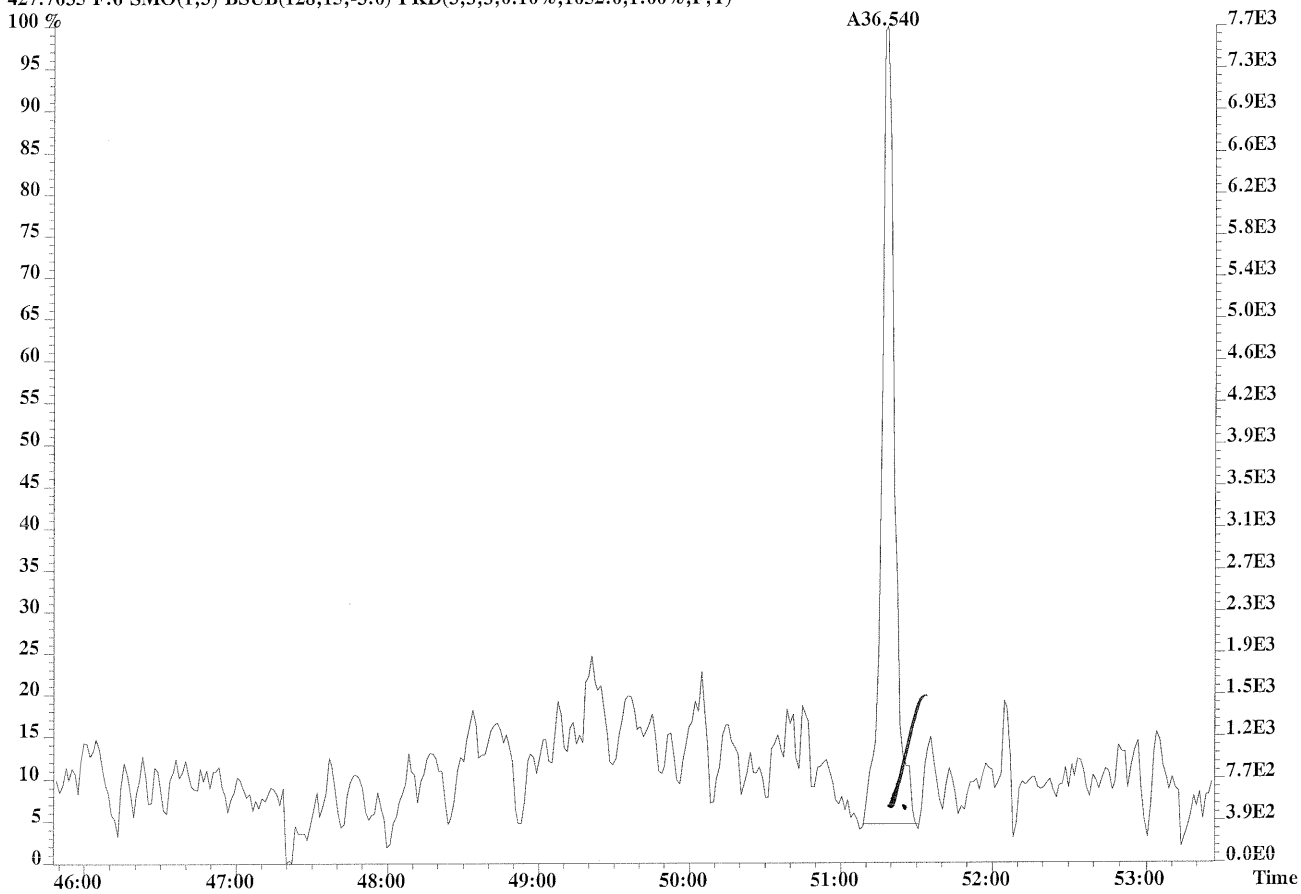
441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1032.0,1.00%,F,T)



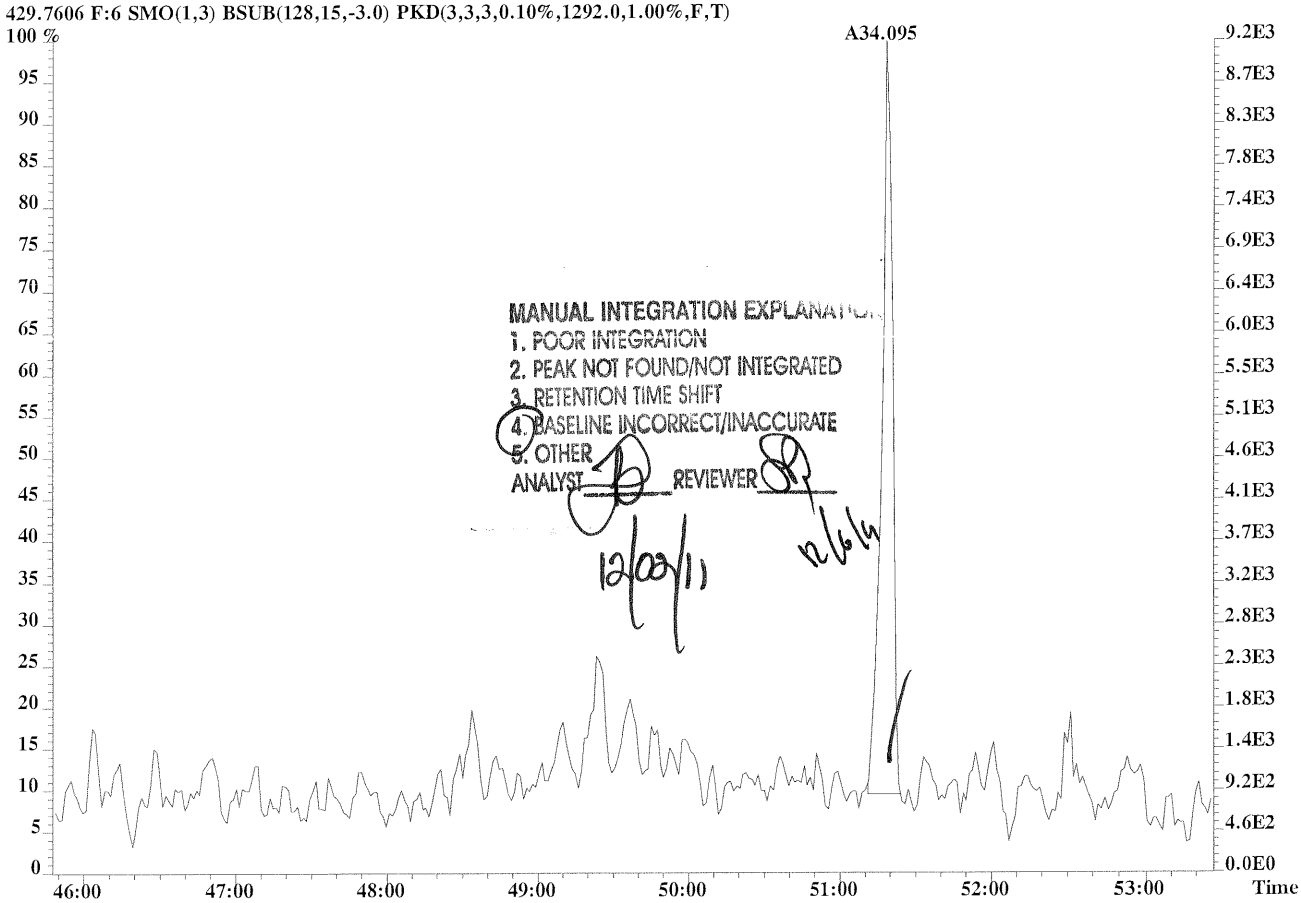
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



File:U142161 #1-575 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-03 KC9152U MS
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1052.0,1.00%,F,T)

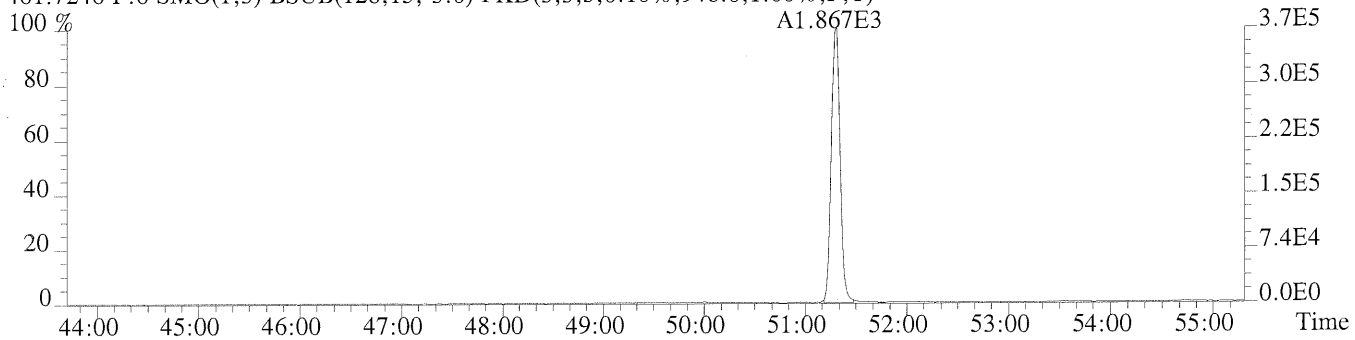


429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1292.0,1.00%,F,T)

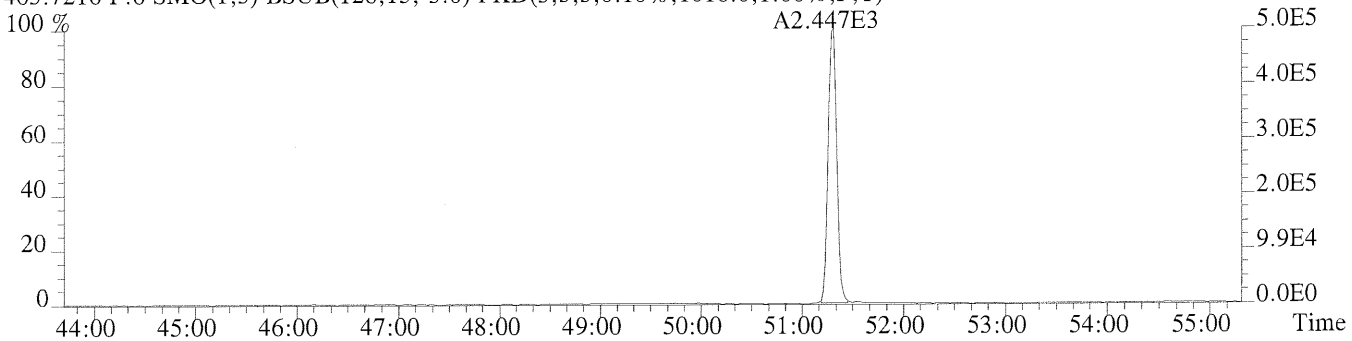


File:U142161 #1-575 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

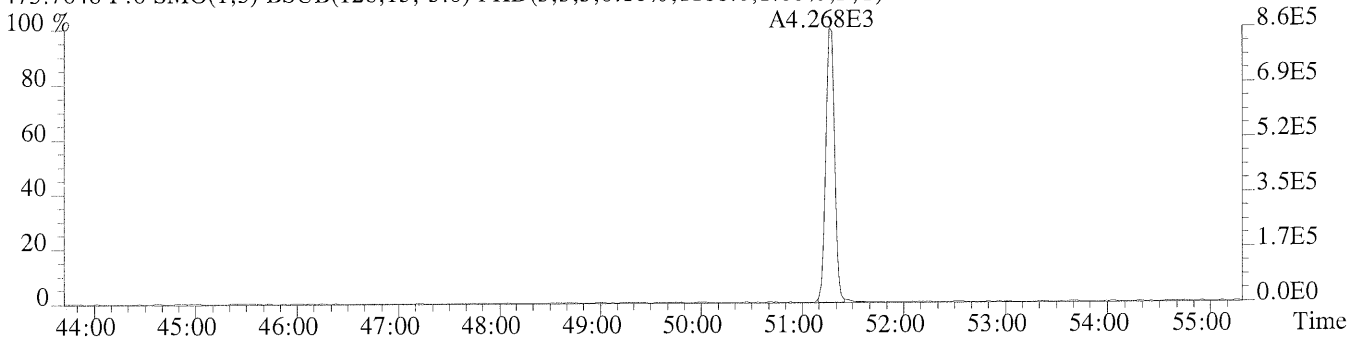
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,948.0,1.00%,F,T)



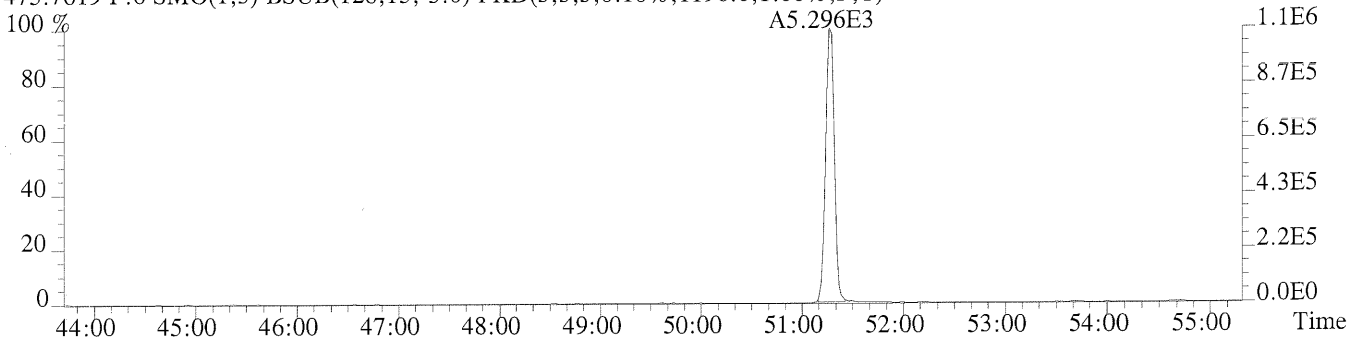
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1016.0,1.00%,F,T)



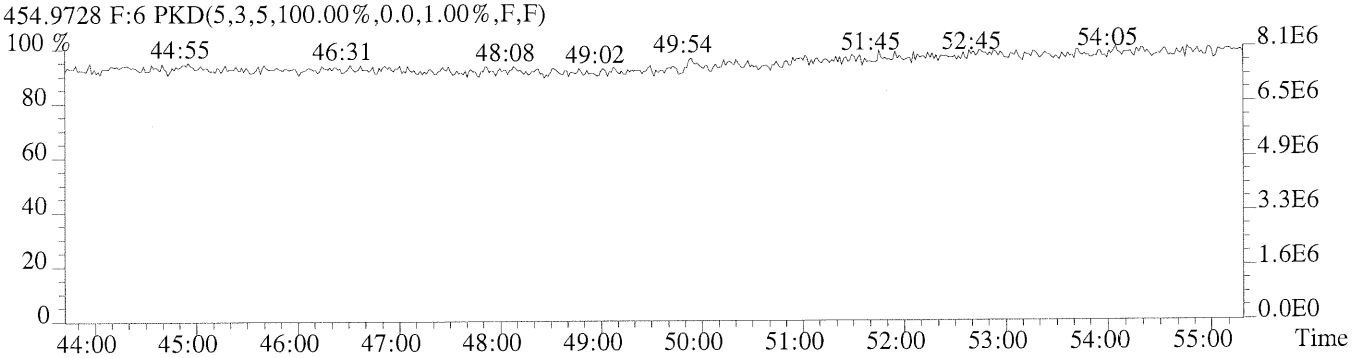
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1188.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)

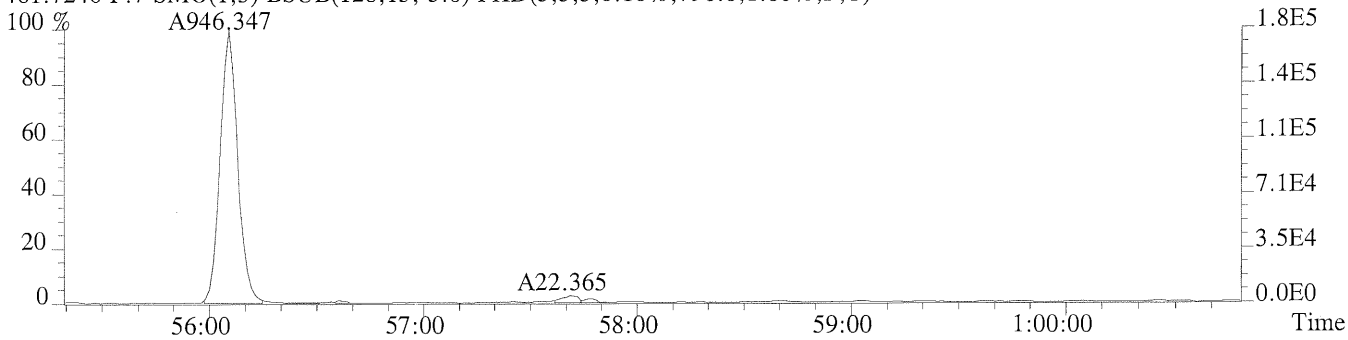


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

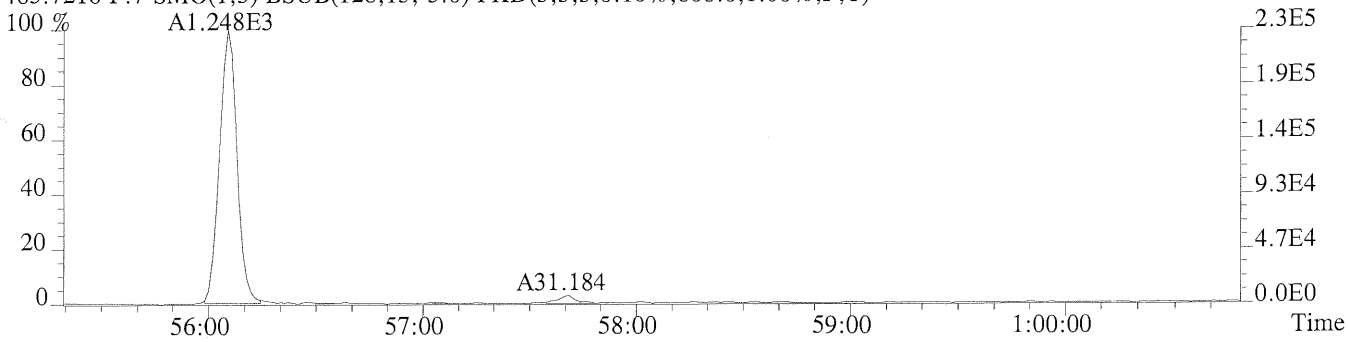


File:U142161 #1-310 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

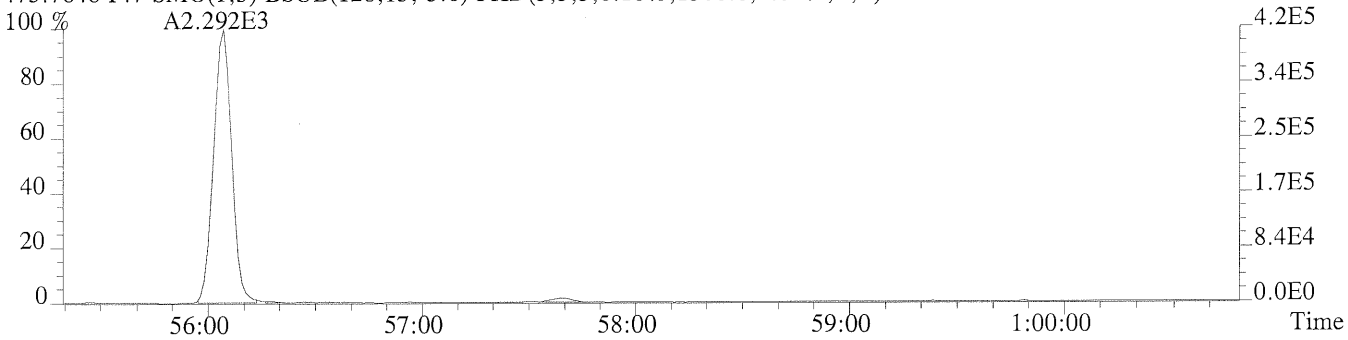
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)



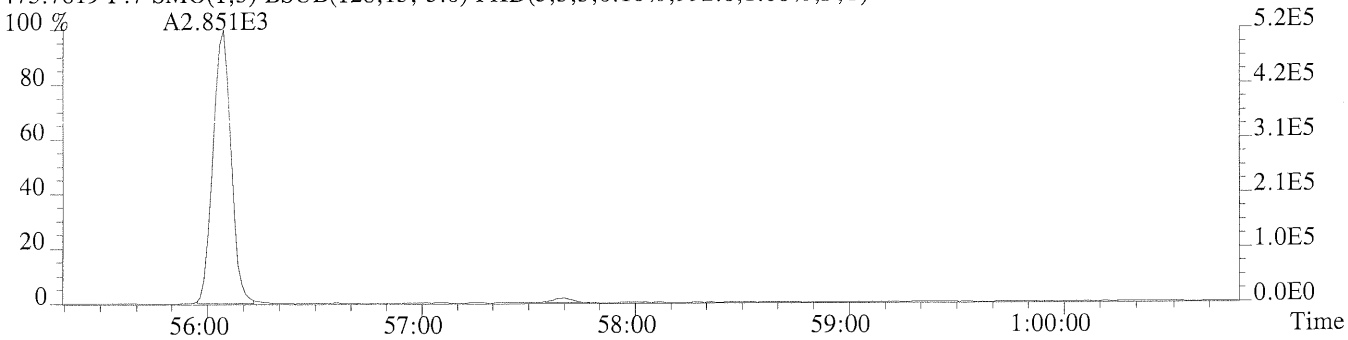
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,808.0,1.00%,F,T)



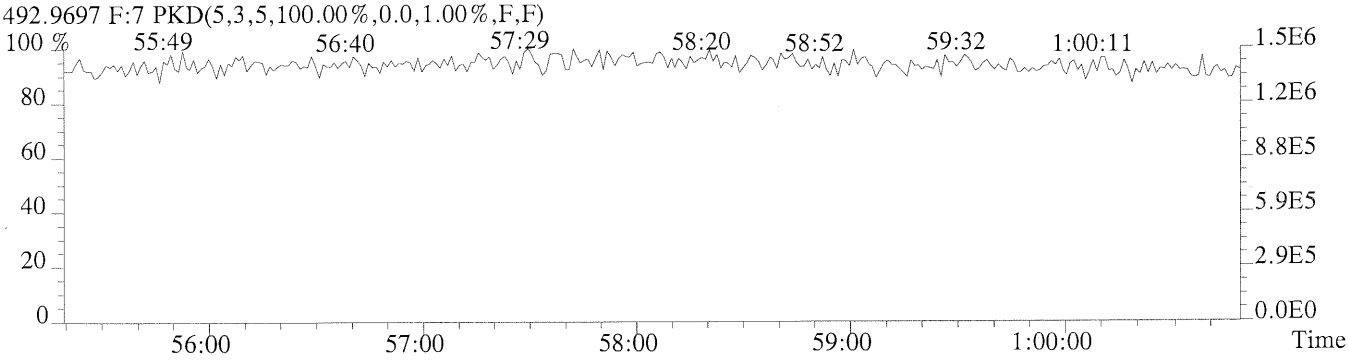
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1300.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,992.0,1.00%,F,T)

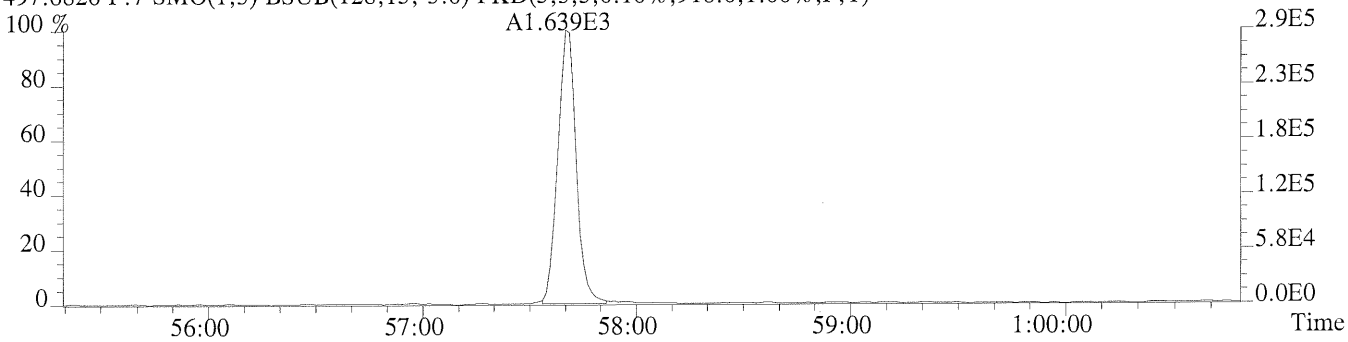


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

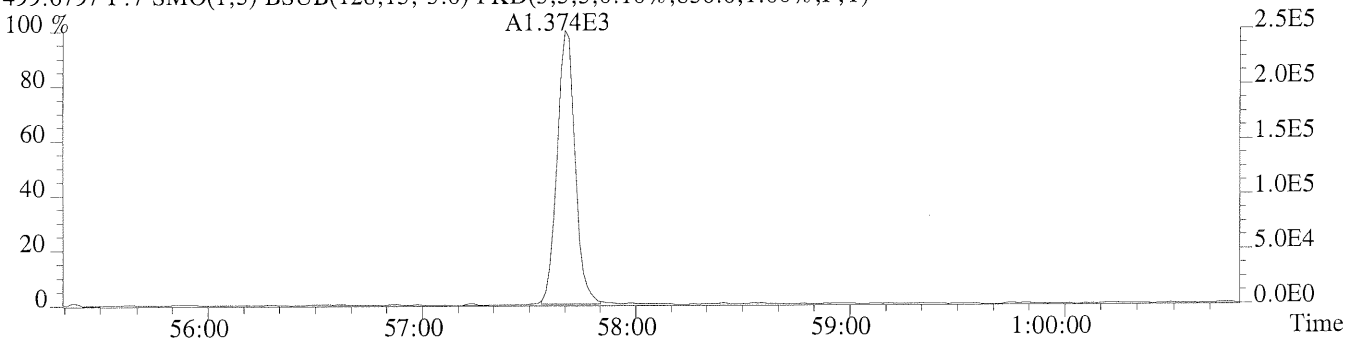


File:U142161 #1-310 Acq:22-NOV-2011 15:23:09 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-03 KC9152U MS

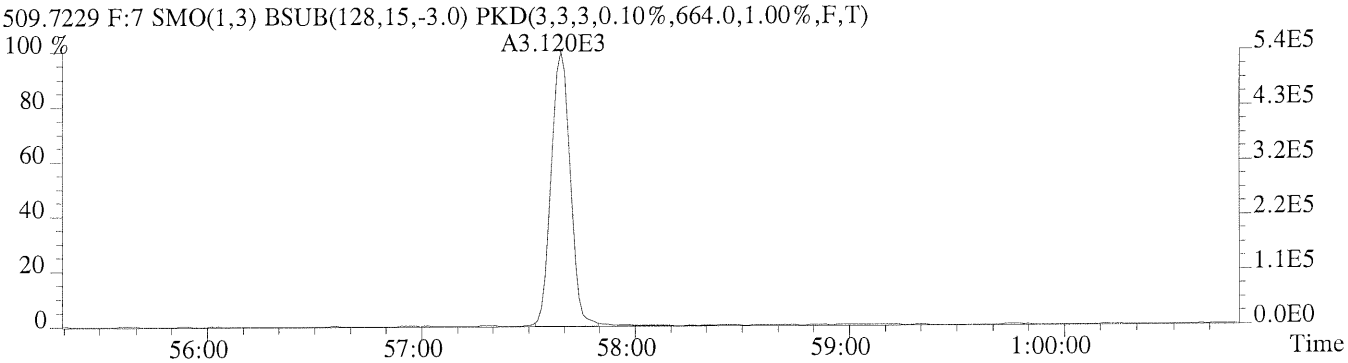
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,916.0,1.00%,F,T)



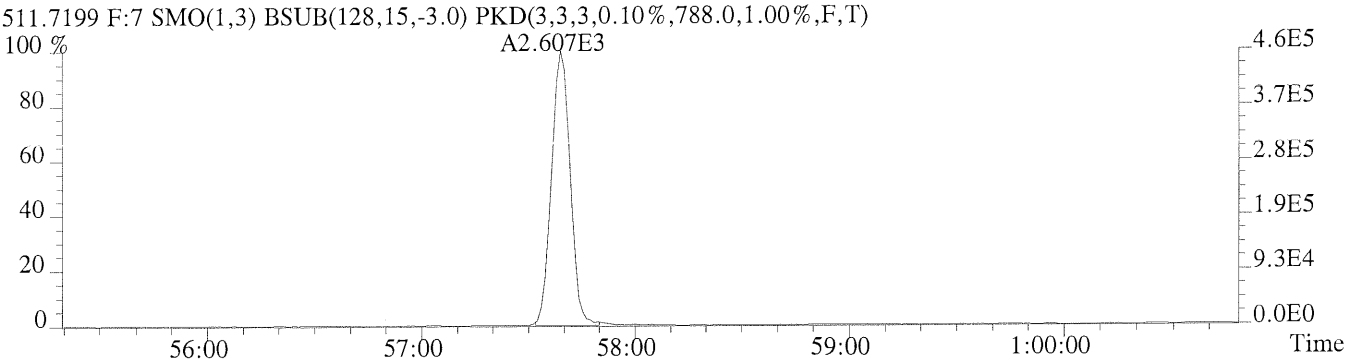
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,836.0,1.00%,F,T)



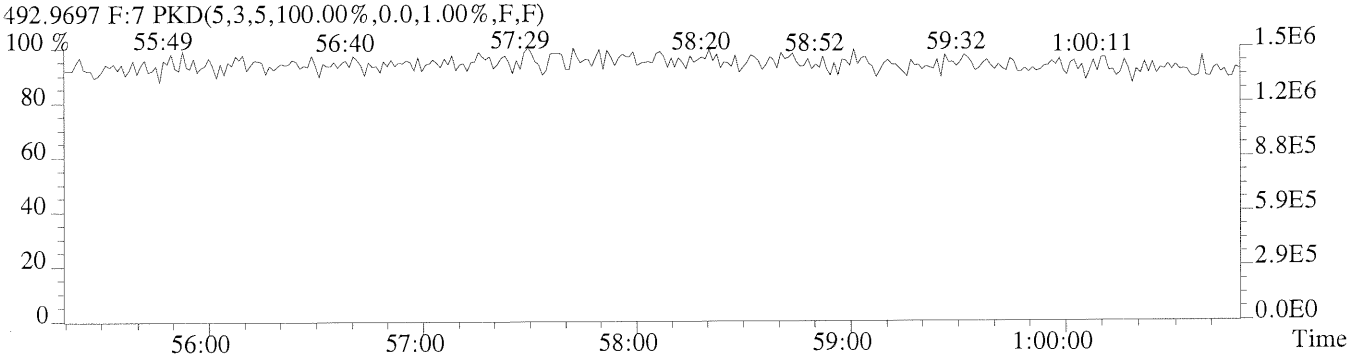
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,664.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,788.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
SP166RESPB

Run #14 Filename U142162 Samp: 1 Inj: 1 Acquired: 22-NOV-11 16:31:38
Processed: 29-NOV-11 11:07:22 Sample ID: EQ1100541-04

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	13:21	1.129e+04	3.702e+03	3.05	y	n	1.071
2	1	PCB-2	NotFnd	*	*	*	n	n	1.004
3	1	PCB-3	15:37	1.208e+04	3.947e+03	3.06	y	n	1.036
4	1	PCB-4	15:52	8.751e+03	5.543e+03	1.58	y	n	1.114
5	1	PCB-10	NotFnd	*	*	*	n	n	1.968
6	2	PCB-9	NotFnd	*	*	*	n	n	1.083
7	2	PCB-7	NotFnd	*	*	*	n	n	1.027
8	2	PCB-6	NotFnd	*	*	*	n	n	1.162
9	2	PCB-5	NotFnd	*	*	*	n	n	0.915
10	2	PCB-8	NotFnd	*	*	*	n	n	1.243
11	2	PCB-14	NotFnd	*	*	*	n	n	1.131
12	2	PCB-11	21:18	8.345e+02	5.727e+02	1.46	y	y	1.034
13	2	PCB-12/13	NotFnd	*	*	*	n	n	0.988
14	2	PCB-15	21:55	8.497e+03	5.569e+03	1.53	y	y	0.977
15	2	PCB-19	19:04	5.417e+03	5.326e+03	1.02	y	n	1.001
16	2	PCB-18/30	21:00	9.737e+01	8.841e+01	1.10	y	y	1.386
17	2	PCB-17	21:25	3.346e+01	3.624e+01	0.92	y	y	1.075
18	2	PCB-27	NotFnd	*	*	*	n	y	1.675
19	2	PCB-24	NotFnd	*	*	*	n	n	1.490
20	2	PCB-16	21:51	3.404e+01	3.555e+01	0.96	y	y	0.872
21	2	PCB-32	22:22	5.099e+01	3.376e+01	1.51	n	y	1.748
22	3	PCB-34	NotFnd	*	*	*	n	n	1.403
23	3	PCB-23	NotFnd	*	*	*	n	n	1.296
24	3	PCB-26/29	NotFnd	*	*	*	n	n	1.354
25	3	PCB-25	NotFnd	*	*	*	n	n	1.418
26	3	PCB-31	24:41	1.063e+02	9.621e+01	1.10	y	y	1.399
27	3	PCB-20/28	24:59	1.069e+02	1.083e+02	0.99	y	y	1.298
28	3	PCB-21/33	25:14	5.143e+01	5.320e+01	0.97	y	y	1.361
29	3	PCB-22	NotFnd	*	*	*	n	y	1.202
30	3	PCB-36	NotFnd	*	*	*	n	n	1.412
31	3	PCB-39	NotFnd	*	*	*	n	n	1.306
32	3	PCB-38	NotFnd	*	*	*	n	n	1.302
33	3	PCB-35	NotFnd	*	*	*	n	n	1.275
34	3	PCB-37	29:03	7.014e+03	6.863e+03	1.02	y	n	1.089
35	2	PCB-54	22:13	6.452e+03	8.596e+03	0.75	y	n	1.002
36	3	PCB-50/53	NotFnd	*	*	*	n	y	1.161
37	3	PCB-45/51	NotFnd	*	*	*	n	n	1.130
38	3	PCB-46	NotFnd	*	*	*	n	y	0.939
39	3	PCB-52	26:50	1.094e+02	1.667e+02	0.66	y	y	1.276
40	3	PCB-43/73	NotFnd	*	*	*	n	n	1.211
41	3	PCB-49/69	27:20	5.044e+01	6.341e+01	0.80	y	y	1.368
42	3	PCB-48	NotFnd	*	*	*	n	n	1.138
43	3	PCB-44/47/65	27:52	2.069e+02	2.653e+02	0.78	y	y	1.252
44	3	PCB-59/62/75	NotFnd	*	*	*	n	y	1.513
45	3	PCB-42	NotFnd	*	*	*	n	y	1.099
46	3	PCB-40/41/71	28:52	3.415e+01	3.858e+01	0.89	y	y	1.136
47	3	PCB-64	29:05	4.168e+01	4.645e+01	0.90	n	y	1.573
48	3	PCB-72	NotFnd	*	*	*	n	n	1.602
49	3	PCB-68	30:14	5.526e+01	5.926e+01	0.93	n	y	1.574
50	3	PCB-57	NotFnd	*	*	*	n	n	1.462

51	3	PCB-58	NotFnd	*	*	*	n	n	1.396
52	3	PCB-67	NotFnd	*	*	*	n	n	1.472
53	3	PCB-63	NotFnd	*	*	*	n	n	1.467
54	3	PCB-61/70/74/76	31:38	1.062e+02	1.430e+02	0.74	y	y	1.431
55	3	PCB-66	32:00	4.834e+01	5.289e+01	0.91	n	y	1.475
56	3	PCB-55	NotFnd	*	*	*	n	n	1.369
57	4	PCB-56	32:40	2.834e+01	3.023e+01	0.94	n	y	0.889
58	4	PCB-60	NotFnd	*	*	*	n	y	1.113
59	4	PCB-80	NotFnd	*	*	*	n	n	1.216
60	4	PCB-79	NotFnd	*	*	*	n	n	1.191
61	4	PCB-78	NotFnd	*	*	*	n	n	1.069
62	4	PCB-81	35:51	4.552e+03	5.951e+03	0.76	y	n	1.034
63	4	PCB-77	36:25	4.363e+03	5.920e+03	0.74	y	n	0.995
64	3	PCB-104	27:47	1.002e+04	6.304e+03	1.59	y	n	1.030
65	3	PCB-96	NotFnd	*	*	*	n	n	1.715
66	3	PCB-103	NotFnd	*	*	*	n	n	1.443
67	3	PCB-94	NotFnd	*	*	*	n	n	1.156
68	3	PCB-95	30:46	1.008e+02	7.584e+01	1.33	y	n	1.328
69	3	PCB-93/100	NotFnd	*	*	*	n	n	1.213
70	3	PCB-98/102	NotFnd	*	*	*	n	n	1.236
71	3	PCB-88/91	NotFnd	*	*	*	n	n	1.254
72	3	PCB-84	NotFnd	*	*	*	n	y	1.046
73	3	PCB-89	NotFnd	*	*	*	n	n	1.240
74	4	PCB-121	NotFnd	*	*	*	n	n	1.497
75	4	PCB-92	NotFnd	*	*	*	n	n	1.115
76	4	PCB-90/101/113	33:44	1.018e+02	8.536e+01	1.19	n	y	1.208
77	4	PCB-83/99	34:21	4.255e+01	2.832e+01	1.50	y	y	1.030
78	4	PCB-112	NotFnd	*	*	*	n	n	1.560
79	4	PCB-86/87/97/109/119/125	NotFnd	*	*	*	n	y	1.206
80	4	PCB-117	NotFnd	*	*	*	n	n	1.070
81	4	PCB-85/116	NotFnd	*	*	*	n	n	1.352
82	4	PCB-110/115	35:44	1.077e+02	6.086e+01	1.77	y	y	1.384
83	4	PCB-82	NotFnd	*	*	*	n	n	0.922
84	4	PCB-111	NotFnd	*	*	*	n	n	1.325
85	4	PCB-120	NotFnd	*	*	*	n	n	1.425
86	5	PCB-108/124	NotFnd	*	*	*	n	n	1.016
87	5	PCB-107	NotFnd	*	*	*	n	n	1.028
88	5	PCB-123	38:24	5.714e+03	3.749e+03	1.52	y	n	1.018
89	5	PCB-106	NotFnd	*	*	*	n	n	1.046
90	5	PCB-118	38:44	5.892e+03	3.799e+03	1.55	y	n	0.997
91	5	PCB-122	NotFnd	*	*	*	n	n	0.934
92	5	PCB-114	39:16	5.455e+03	3.693e+03	1.48	y	n	0.991
93	5	PCB-105	39:54	5.240e+03	3.323e+03	1.58	y	n	1.011
94	5	PCB-127	NotFnd	*	*	*	n	n	0.908
95	5	PCB-126	43:01	4.234e+03	2.584e+03	1.64	y	n	0.960
96	4	PCB-155	33:30	8.670e+03	7.073e+03	1.23	y	n	0.988
97	4	PCB-152	NotFnd	*	*	*	n	n	2.314
98	4	PCB-150	NotFnd	*	*	*	n	n	2.233
99	4	PCB-136	NotFnd	*	*	*	n	n	2.253
100	4	PCB-145	NotFnd	*	*	*	n	n	2.133
101	4	PCB-148	NotFnd	*	*	*	n	n	1.715
102	4	PCB-135/151	NotFnd	*	*	*	n	n	1.644
103	4	PCB-154	NotFnd	*	*	*	n	n	1.860
104	4	PCB-144	NotFnd	*	*	*	n	n	1.697
105	5	PCB-147/149	37:34	3.829e+01	3.140e+01	1.22	y	y	1.341
106	5	PCB-134	NotFnd	*	*	*	n	n	1.083
107	5	PCB-143	NotFnd	*	*	*	n	n	1.340

108	5	PCB-139/140	NotFnd	*	*	*	n	n	1.341
109	5	PCB-131	NotFnd	*	*	*	n	n	1.189
110	5	PCB-142	NotFnd	*	*	*	n	n	1.185
111	5	PCB-132	NotFnd	*	*	*	n	y	1.149
112	5	PCB-133	39:15	7.426e+01	5.805e+01	1.28	y	y	1.260
113	5	PCB-165	NotFnd	*	*	*	n	n	1.502
114	5	PCB-146	NotFnd	*	*	*	n	n	1.383
115	5	PCB-161	NotFnd	*	*	*	n	n	1.737
116	5	PCB-153/168	40:37	4.044e+01	3.252e+01	1.24	y	y	1.519
117	5	PCB-141	NotFnd	*	*	*	n	n	1.233
118	5	PCB-130	NotFnd	*	*	*	n	n	1.187
119	5	PCB-137	NotFnd	*	*	*	n	n	1.541
120	5	PCB-164	NotFnd	*	*	*	n	n	1.541
121	5	PCB-129/138/163	41:51	5.455e+01	3.984e+01	1.37	y	y	1.238
122	5	PCB-160	NotFnd	*	*	*	n	n	1.515
123	5	PCB-158	NotFnd	*	*	*	n	n	1.614
124	5	PCB-128/166	NotFnd	*	*	*	n	n	1.281
125	6	PCB-159	NotFnd	*	*	*	n	n	0.910
126	6	PCB-162	NotFnd	*	*	*	n	n	0.452
127	6	PCB-167	44:53	2.905e+03	2.483e+03	1.17	y	n	1.008
128	6	PCB-156/157	46:02	5.478e+03	4.479e+03	1.22	y	n	1.006
129	6	PCB-169	49:16	1.848e+03	1.556e+03	1.19	y	n	0.992
[illegible]	5	PCB-188	39:14	6.458e+03	6.462e+03	1.00	y	n	0.990
[illegible]	5	PCB-179	39:34	1.154e+02	1.053e+02	1.10	y	n	1.556
[illegible]	5	PCB-184	40:06	8.746e+01	7.395e+01	1.18	y	n	1.593
13[illegible]	5	PCB-176	NotFnd	*	*	*	n	n	1.527
13[illegible]	5	PCB-186	NotFnd	*	*	*	n	n	1.425
13[illegible]	5	PCB-178	NotFnd	*	*	*	n	n	1.087
13[illegible]	5	PCB-175	NotFnd	*	*	*	n	n	1.138
137	5	PCB-187	NotFnd	*	*	*	n	y	1.158
138	5	PCB-182	NotFnd	*	*	*	n	n	1.120
139	6	PCB-183	NotFnd	*	*	*	n	n	0.770
140	6	PCB-185	NotFnd	*	*	*	n	n	0.612
141	6	PCB-174	NotFnd	*	*	*	n	n	0.619
142	6	PCB-177	44:37	3.747e+01	4.388e+01	0.85	n	y	0.581
143	6	PCB-181	NotFnd	*	*	*	n	n	0.614
144	6	PCB-171/173	NotFnd	*	*	*	n	n	0.575
145	6	PCB-172	NotFnd	*	*	*	n	n	0.566
146	6	PCB-192	NotFnd	*	*	*	n	n	0.689
147	6	PCB-180/193	NotFnd	*	*	*	n	n	0.666
[illegible]	6	PCB-191	NotFnd	*	*	*	n	n	0.759
[illegible]	6	PCB-170	NotFnd	*	*	*	n	n	0.524
[illegible]	6	PCB-190	NotFnd	*	*	*	n	n	0.699
[illegible]	6	PCB-189	51:48	1.692e+03	1.697e+03	1.00	y	n	0.863
15[illegible]	6	PCB-202	44:37	3.119e+03	3.531e+03	0.88	y	n	0.863
15[illegible]	6	PCB-201	NotFnd	*	*	*	n	n	1.375
15[illegible]	6	PCB-204	NotFnd	*	*	*	n	n	1.323
155	6	PCB-197	NotFnd	*	*	*	n	n	1.282
156	6	PCB-200	NotFnd	*	*	*	n	n	1.320
157	6	PCB-198/199	NotFnd	*	*	*	n	n	0.857
158	6	PCB-196	NotFnd	*	*	*	n	n	0.867
159	6	PCB-203	NotFnd	*	*	*	n	n	0.915
160	6	PCB-195	51:17	3.007e+01	3.799e+01	0.79	y	y	0.774
161	6	PCB-194	NotFnd	*	*	*	n	n	0.763
162	6	PCB-205	54:20	1.461e+03	1.686e+03	0.87	y	n	0.889
16[illegible]	6	PCB-208	51:17	1.753e+03	2.164e+03	0.81	y	n	0.880
16[illegible]	6	PCB-207	NotFnd	*	*	*	n	n	1.335

Filename U142162 Acquired: 22-NOV-11 16:31:38

164	7	PCB-206	56:04	8.737e+02	1.093e+03	0.80	y	n	0.931
165	7	PCB-209	57:40	1.476e+03	1.267e+03	1.17	y	n	0.894
167	1	PCB-1L	13:20	2.579e+04	8.277e+03	3.12	y	n	1.220
168	1	PCB-3L	15:36	2.720e+04	8.933e+03	3.05	y	n	1.173
169	1	PCB-4L	15:50	1.660e+04	1.077e+04	1.54	y	n	0.803
170	2	PCB-15L	21:54	1.911e+04	1.224e+04	1.56	y	n	0.962
171	2	PCB-19L	19:03	1.216e+04	1.183e+04	1.03	y	n	0.636
172	3	PCB-37L	29:02	1.464e+04	1.443e+04	1.01	y	n	1.144
173	2	PCB-54L	22:10	1.345e+04	1.675e+04	0.80	y	n	1.140
174	4	PCB-81L	35:49	9.296e+03	1.206e+04	0.77	y	n	0.947
175	4	PCB-77L	36:24	9.576e+03	1.281e+04	0.75	y	n	0.949
176	3	PCB-104L	27:46	2.119e+04	1.370e+04	1.55	y	n	1.397
177	5	PCB-123L	38:23	1.145e+04	7.605e+03	1.51	y	n	1.029
178	5	PCB-118L	38:43	1.195e+04	8.081e+03	1.48	y	n	1.077
179	5	PCB-114L	39:14	1.132e+04	7.513e+03	1.51	y	n	1.075
180	5	PCB-105L	39:53	1.018e+04	6.841e+03	1.49	y	n	1.013
181	5	PCB-126L	43:00	7.975e+03	5.244e+03	1.52	y	n	0.898
182	4	PCB-155L	33:28	1.912e+04	1.532e+04	1.25	y	n	1.637
183	6	PCB-167L	44:52	6.272e+03	5.031e+03	1.25	y	n	0.882
184	6	PCB-156/157L	46:01	1.146e+04	9.089e+03	1.26	y	n	0.818
185	6	PCB-169L	49:15	4.194e+03	3.338e+03	1.26	y	n	0.716
186	5	PCB-188L	39:13	1.459e+04	1.380e+04	1.06	y	n	2.358
187	6	PCB-189L	51:45	3.960e+03	3.827e+03	1.03	y	n	1.307
188	6	PCB-202L	44:36	7.339e+03	8.125e+03	0.90	y	n	1.804
189	6	PCB-205L	54:19	2.847e+03	3.234e+03	0.88	y	n	1.363
190	6	PCB-208L	51:16	3.810e+03	4.825e+03	0.79	y	n	1.337
191	7	PCB-206L	56:03	2.070e+03	2.557e+03	0.81	y	n	0.998
192	7	PCB-209L	57:38	2.714e+03	2.297e+03	1.18	y	n	1.563
193	3	PCB-28L	24:57	1.966e+04	1.907e+04	1.03	y	n	1.387
194	4	PCB-111L	36:26	1.876e+04	1.187e+04	1.58	y	n	1.238
195	5	PCB-178L	42:17	8.829e+03	8.337e+03	1.06	y	n	0.953
[illegible]	2	PCB-9L	17:54	2.896e+04	1.867e+04	1.55	y	n	-
[illegible]	3	PCB-52L	26:49	1.933e+04	2.517e+04	0.77	y	n	-
[illegible]	4	PCB-101L	33:43	2.299e+04	1.470e+04	1.56	y	n	-
[illegible]	5	PCB-138L	41:50	1.393e+04	1.092e+04	1.28	y	n	-
200	6	PCB-194L	53:51	3.554e+03	4.066e+03	0.87	y	n	-

-- Sample Calculation--

$$\text{PCB-209} = \frac{(1.476e{+}03 + 1.267e{+}03) \times 10000 \text{ pg} \times 1}{(2.714e{+}03 + 2.297e{+}03) \times (1020 \text{ mL}) \times (1\text{L} / 1000 \text{ mL}) \times 0.8938} = 6000 \text{ pg/L}$$

12/07/11

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sp166respb
02/2009

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
SP166RESPB

Run #14 Filename U142162#1 Samp: 1 Inj: 1 Acquired: 22-NOV-11 16:31:38

Processed: 29-NOV-11 11:07:22 LAB. ID: EQ1100541-04

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	2.72e+06	1.24e+03	2.2e+03	8.94e+05	8.76e+02	1.0e+03
2	PCB-2	*	1.24e+03	*	*	8.76e+02	*
	PCB-3	2.27e+06	1.24e+03	1.8e+03	7.41e+05	8.76e+02	8.5e+02
	PCB-4	1.79e+06	1.56e+03	1.1e+03	1.14e+06	1.07e+04	1.1e+02
	PCB-10	*	1.56e+03	*	*	1.07e+04	*
6	PCB-9	*	1.89e+03	*	*	9.35e+03	*
7	PCB-7	*	1.89e+03	*	*	9.35e+03	*
8	PCB-6	*	1.89e+03	*	*	9.35e+03	*
9	PCB-5	*	1.89e+03	*	*	9.35e+03	*
10	PCB-8	*	1.89e+03	*	*	9.35e+03	*
11	PCB-14	*	1.89e+03	*	*	9.35e+03	*
12	PCB-11	1.57e+05	1.89e+03	8.3e+01	1.07e+05	9.35e+03	1.1e+01
13	PCB-12/13	*	1.89e+03	*	*	9.35e+03	*
14	PCB-15	1.48e+06	1.89e+03	7.8e+02	9.70e+05	9.35e+03	1.0e+02
15	PCB-19	1.12e+06	1.15e+03	9.8e+02	1.10e+06	1.21e+03	9.1e+02
16	PCB-18/30	1.78e+04	1.15e+03	1.6e+01	1.84e+04	1.21e+03	1.5e+01
17	PCB-17	7.16e+03	1.15e+03	6.2e+00	7.23e+03	1.21e+03	6.0e+00
18	PCB-27	*	1.15e+03	*	*	1.21e+03	*
19	PCB-24	*	1.15e+03	*	*	1.21e+03	*
20	PCB-16	6.57e+03	1.15e+03	5.7e+00	8.59e+03	1.21e+03	7.1e+00
21	PCB-32	9.39e+03	1.15e+03	8.2e+00	6.45e+03	1.21e+03	5.3e+00
22	PCB-34	*	1.74e+03	*	*	1.76e+03	*
23	PCB-23	*	1.74e+03	*	*	1.76e+03	*
24	PCB-26/29	*	1.74e+03	*	*	1.76e+03	*
25	PCB-25	*	1.74e+03	*	*	1.76e+03	*
26	PCB-31	1.84e+04	1.74e+03	1.1e+01	1.81e+04	1.76e+03	1.0e+01
27	PCB-20/28	1.77e+04	1.74e+03	1.0e+01	2.06e+04	1.76e+03	1.2e+01
28	PCB-21/33	1.06e+04	1.74e+03	6.1e+00	9.37e+03	1.76e+03	5.3e+00
29	PCB-22	*	1.74e+03	*	*	1.76e+03	*
30	PCB-36	*	1.74e+03	*	*	1.76e+03	*
31	PCB-39	*	1.74e+03	*	*	1.76e+03	*
32	PCB-38	*	1.74e+03	*	*	1.76e+03	*
33	PCB-35	*	1.74e+03	*	*	1.76e+03	*
34	PCB-37	1.08e+06	1.74e+03	6.2e+02	1.02e+06	1.76e+03	5.8e+02
35	PCB-54	1.31e+06	1.13e+03	1.2e+03	1.71e+06	1.02e+03	1.7e+03
36	PCB-50/53	*	1.07e+03	*	*	6.28e+02	*
37	PCB-45/51	*	1.07e+03	*	*	6.28e+02	*
	PCB-46	*	1.07e+03	*	*	6.28e+02	*
39	PCB-52	2.08e+04	1.07e+03	1.9e+01	2.92e+04	6.28e+02	4.7e+01
40	PCB-43/73	*	1.07e+03	*	*	6.28e+02	*
41	PCB-49/69	8.35e+03	1.07e+03	7.8e+00	1.22e+04	6.28e+02	1.9e+01
42	PCB-48	*	1.07e+03	*	*	6.28e+02	*
43	PCB-44/47/65	2.11e+04	1.07e+03	2.0e+01	2.35e+04	6.28e+02	3.7e+01
44	PCB-59/62/75	*	1.07e+03	*	*	6.28e+02	*
45	PCB-42	*	1.07e+03	*	*	6.28e+02	*
46	PCB-40/41/71	5.50e+03	1.07e+03	5.1e+00	6.37e+03	6.28e+02	1.0e+01
47	PCB-64	8.30e+03	1.07e+03	7.7e+00	8.54e+03	6.28e+02	1.4e+01

48	PCB-72	*	1.07e+03	*	*	6.28e+02	*
49	PCB-68	9.11e+03	1.07e+03	8.5e+00	1.01e+04	6.28e+02	1.6e+01
50	PCB-57	*	1.07e+03	*	*	6.28e+02	*
51	PCB-58	*	1.07e+03	*	*	6.28e+02	*
52	PCB-67	*	1.07e+03	*	*	6.28e+02	*
53	PCB-63	*	1.07e+03	*	*	6.28e+02	*
54	PCB-61/70/74/76	1.41e+04	1.07e+03	1.3e+01	1.73e+04	6.28e+02	2.7e+01
55	PCB-66	8.73e+03	1.07e+03	8.1e+00	7.86e+03	6.28e+02	1.3e+01
56	PCB-55	*	1.07e+03	*	*	6.28e+02	*
57	PCB-56	6.38e+03	1.20e+03	5.3e+00	6.43e+03	1.78e+03	3.6e+00
58	PCB-60	*	1.20e+03	*	*	1.78e+03	*
59	PCB-80	*	1.20e+03	*	*	1.78e+03	*
60	PCB-79	*	1.20e+03	*	*	1.78e+03	*
61	PCB-78	*	1.20e+03	*	*	1.78e+03	*
62	PCB-81	7.36e+05	1.20e+03	6.1e+02	9.92e+05	1.78e+03	5.6e+02
63	PCB-77	7.02e+05	1.20e+03	5.8e+02	9.01e+05	1.78e+03	5.1e+02
64	PCB-104	1.81e+06	8.52e+02	2.1e+03	1.13e+06	1.03e+03	1.1e+03
65	PCB-96	*	8.52e+02	*	*	1.03e+03	*
66	PCB-103	*	8.52e+02	*	*	1.03e+03	*
67	PCB-94	*	8.52e+02	*	*	1.03e+03	*
68	PCB-95	1.93e+04	8.52e+02	2.3e+01	1.49e+04	1.03e+03	1.5e+01
69	PCB-93/100	*	8.52e+02	*	*	1.03e+03	*
70	PCB-98/102	*	8.52e+02	*	*	1.03e+03	*
71	PCB-88/91	*	8.52e+02	*	*	1.03e+03	*
72	PCB-84	*	8.52e+02	*	*	1.03e+03	*
73	PCB-89	*	8.52e+02	*	*	1.03e+03	*
74	PCB-121	*	9.92e+02	*	*	1.23e+03	*
75	PCB-92	*	9.92e+02	*	*	1.23e+03	*
76	PCB-90/101/113	2.10e+04	9.92e+02	2.1e+01	1.66e+04	1.23e+03	1.4e+01
77	PCB-83/99	7.73e+03	9.92e+02	7.8e+00	6.16e+03	1.23e+03	5.0e+00
78	PCB-112	*	9.92e+02	*	*	1.23e+03	*
79	CB-86/87/97/109/119/125	*	9.92e+02	*	*	1.23e+03	*
80	PCB-117	*	9.92e+02	*	*	1.23e+03	*
81	PCB-85/116	*	9.92e+02	*	*	1.23e+03	*
82	PCB-110/115	1.89e+04	9.92e+02	1.9e+01	1.11e+04	1.23e+03	9.0e+00
83	PCB-82	*	9.92e+02	*	*	1.23e+03	*
84	PCB-111	*	9.92e+02	*	*	1.23e+03	*
85	PCB-120	*	9.92e+02	*	*	1.23e+03	*
86	PCB-108/124	*	5.46e+03	*	*	1.95e+03	*
87	PCB-107	*	5.46e+03	*	*	1.95e+03	*
88	PCB-123	1.02e+06	5.46e+03	1.9e+02	6.38e+05	1.95e+03	3.3e+02
89	PCB-106	*	5.46e+03	*	*	1.95e+03	*
90	PCB-118	1.04e+06	5.46e+03	1.9e+02	6.52e+05	1.95e+03	3.3e+02
91	PCB-122	*	5.46e+03	*	*	1.95e+03	*
92	PCB-114	9.32e+05	5.46e+03	1.7e+02	6.19e+05	1.95e+03	3.2e+02
93	PCB-105	8.50e+05	5.46e+03	1.6e+02	5.56e+05	1.95e+03	2.9e+02
94	PCB-127	*	5.46e+03	*	*	1.95e+03	*
95	PCB-126	6.66e+05	5.46e+03	1.2e+02	4.05e+05	1.95e+03	2.1e+02
96	PCB-155	1.56e+06	1.04e+03	1.5e+03	1.27e+06	1.02e+03	1.2e+03
97	PCB-152	*	1.04e+03	*	*	1.02e+03	*
98	PCB-150	*	1.04e+03	*	*	1.02e+03	*
99	PCB-136	*	1.04e+03	*	*	1.02e+03	*
100	PCB-145	*	1.04e+03	*	*	1.02e+03	*
101	PCB-148	*	1.04e+03	*	*	1.02e+03	*
102	PCB-135/151	*	1.04e+03	*	*	1.02e+03	*
103	PCB-154	*	1.04e+03	*	*	1.02e+03	*
104	PCB-144	*	1.04e+03	*	*	1.02e+03	*

Run #14 Filename U142162#1 Samp: 1 Acquired: 22-NOV-11 16:31:38

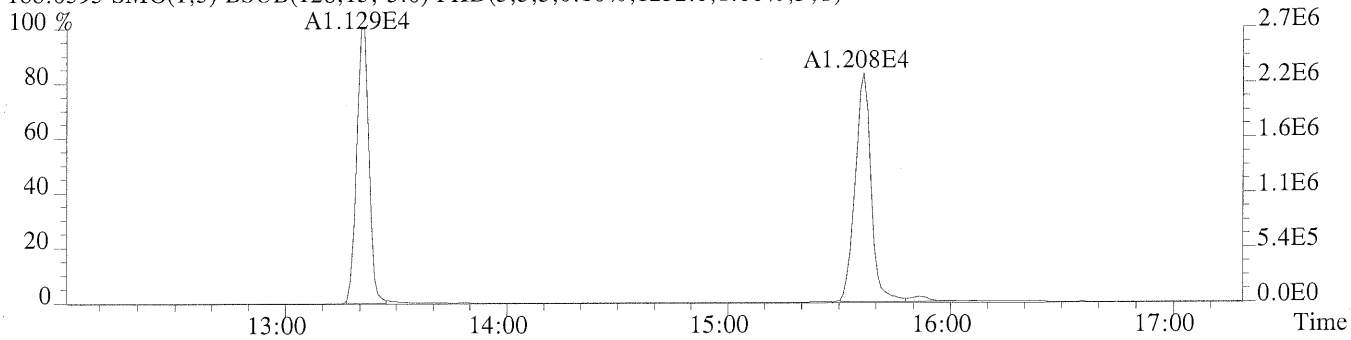
105	PCB-147/149	7.32e+03	1.24e+03	5.9e+00	5.88e+03	9.64e+02	6.1e+00
106	PCB-134	*	1.24e+03	*	*	9.64e+02	*
107	PCB-143	*	1.24e+03	*	*	9.64e+02	*
108	PCB-139/140	*	1.24e+03	*	*	9.64e+02	*
109	PCB-131	*	1.24e+03	*	*	9.64e+02	*
110	PCB-142	*	1.24e+03	*	*	9.64e+02	*
111	PCB-132	*	1.24e+03	*	*	9.64e+02	*
112	PCB-133	1.07e+04	1.24e+03	8.6e+00	9.42e+03	9.64e+02	9.8e+00
113	PCB-165	*	1.24e+03	*	*	9.64e+02	*
114	PCB-146	*	1.24e+03	*	*	9.64e+02	*
115	PCB-161	*	1.24e+03	*	*	9.64e+02	*
116	PCB-153/168	6.74e+03	1.24e+03	5.5e+00	6.42e+03	9.64e+02	6.7e+00
117	PCB-141	*	1.24e+03	*	*	9.64e+02	*
118	PCB-130	*	1.24e+03	*	*	9.64e+02	*
119	PCB-137	*	1.24e+03	*	*	9.64e+02	*
120	PCB-164	*	1.24e+03	*	*	9.64e+02	*
121	PCB-129/138/163	7.91e+03	1.24e+03	6.4e+00	6.99e+03	9.64e+02	7.3e+00
122	PCB-160	*	1.24e+03	*	*	9.64e+02	*
123	PCB-158	*	1.24e+03	*	*	9.64e+02	*
124	PCB-128/166	*	1.24e+03	*	*	9.64e+02	*
125	PCB-159	*	2.61e+03	*	*	1.47e+03	*
126	PCB-162	*	2.61e+03	*	*	1.47e+03	*
127	PCB-167	6.09e+05	2.61e+03	2.3e+02	5.13e+05	1.47e+03	3.5e+02
128	PCB-156/157	8.63e+05	2.61e+03	3.3e+02	6.93e+05	1.47e+03	4.7e+02
129	PCB-169	3.46e+05	2.61e+03	1.3e+02	2.86e+05	1.47e+03	1.9e+02
130	PCB-188	1.14e+06	9.20e+02	1.2e+03	1.14e+06	1.07e+03	1.1e+03
131	PCB-179	1.72e+04	9.20e+02	1.9e+01	1.84e+04	1.07e+03	1.7e+01
132	PCB-184	1.47e+04	9.20e+02	1.6e+01	1.50e+04	1.07e+03	1.4e+01
133	PCB-176	*	9.20e+02	*	*	1.07e+03	*
134	PCB-186	*	9.20e+02	*	*	1.07e+03	*
135	PCB-178	*	9.20e+02	*	*	1.07e+03	*
136	PCB-175	*	9.20e+02	*	*	1.07e+03	*
137	PCB-187	*	9.20e+02	*	*	1.07e+03	*
138	PCB-182	*	9.20e+02	*	*	1.07e+03	*
139	PCB-183	*	1.02e+03	*	*	7.24e+02	*
140	PCB-185	*	1.02e+03	*	*	7.24e+02	*
141	PCB-174	*	1.02e+03	*	*	7.24e+02	*
142	PCB-177	7.81e+03	1.02e+03	7.7e+00	7.47e+03	7.24e+02	1.0e+01
143	PCB-181	*	1.02e+03	*	*	7.24e+02	*
144	PCB-171/173	*	1.02e+03	*	*	7.24e+02	*
145	PCB-172	*	1.02e+03	*	*	7.24e+02	*
146	PCB-192	*	1.02e+03	*	*	7.24e+02	*
147	PCB-180/193	*	1.02e+03	*	*	7.24e+02	*
148	PCB-191	*	1.02e+03	*	*	7.24e+02	*
149	PCB-170	*	1.02e+03	*	*	7.24e+02	*
150	PCB-190	*	1.02e+03	*	*	7.24e+02	*
151	PCB-189	3.40e+05	1.02e+03	3.3e+02	3.42e+05	7.24e+02	4.7e+02
152	PCB-202	6.81e+05	7.44e+02	9.1e+02	7.77e+05	8.20e+02	9.5e+02
153	PCB-201	*	7.44e+02	*	*	8.20e+02	*
154	PCB-204	*	7.44e+02	*	*	8.20e+02	*
155	PCB-197	*	7.44e+02	*	*	8.20e+02	*
156	PCB-200	*	7.44e+02	*	*	8.20e+02	*
157	PCB-198/199	*	7.44e+02	*	*	8.20e+02	*
158	PCB-196	*	7.44e+02	*	*	8.20e+02	*
159	PCB-203	*	7.44e+02	*	*	8.20e+02	*
160	PCB-195	5.67e+03	7.44e+02	7.6e+00	8.38e+03	8.20e+02	1.0e+01
161	PCB-194	*	7.44e+02	*	*	8.20e+02	*
162	PCB-205	3.03e+05	7.44e+02	4.1e+02	3.48e+05	8.20e+02	4.2e+02

Run #14 Filename U142162#1 Samp: 1 Acquired: 22-NOV-11 16:31:38

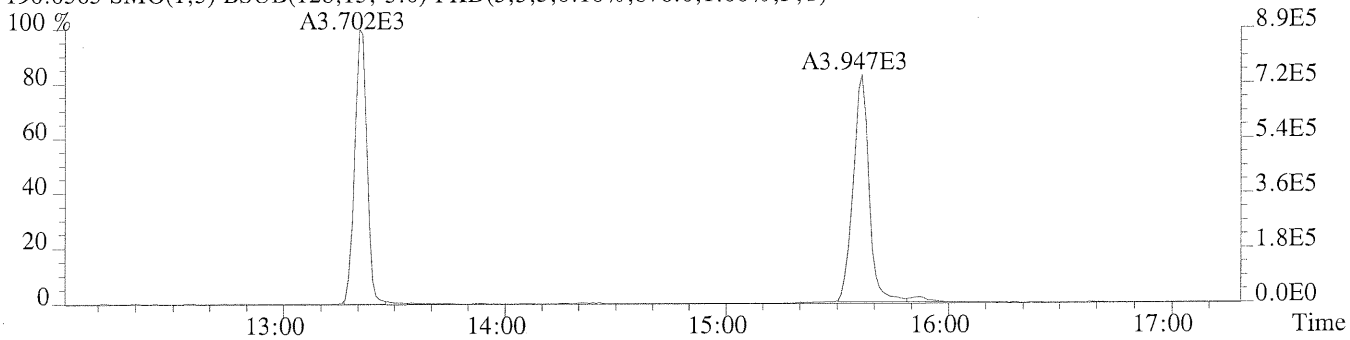
163	PCB-208	3.67e+05	7.36e+02	5.0e+02	4.44e+05	1.14e+03	3.9e+02
164	PCB-207	*	7.36e+02	*	*	1.14e+03	*
165	PCB-206	1.58e+05	7.44e+02	2.1e+02	1.95e+05	8.40e+02	2.3e+02
166	PCB-209	2.59e+05	1.48e+03	1.8e+02	2.22e+05	8.96e+02	2.5e+02
167	PCB-1L	6.38e+06	1.83e+03	3.5e+03	2.05e+06	1.76e+04	1.2e+02
168	PCB-3L	5.17e+06	1.83e+03	2.8e+03	1.70e+06	1.76e+04	9.7e+01
169	PCB-4L	3.36e+06	1.76e+03	1.9e+03	2.24e+06	1.04e+03	2.1e+03
170	PCB-15L	3.28e+06	2.18e+03	1.5e+03	2.14e+06	1.03e+03	2.1e+03
171	PCB-19L	2.51e+06	1.22e+04	2.1e+02	2.44e+06	7.32e+03	3.3e+02
172	PCB-37L	2.30e+06	8.44e+03	2.7e+02	2.22e+06	6.47e+03	3.4e+02
173	PCB-54L	2.63e+06	1.68e+03	1.6e+03	3.30e+06	1.12e+03	2.9e+03
174	PCB-81L	1.51e+06	2.06e+03	7.3e+02	1.95e+06	1.56e+03	1.3e+03
175	PCB-77L	1.46e+06	2.06e+03	7.1e+02	1.90e+06	1.56e+03	1.2e+03
176	PCB-104L	3.75e+06	9.60e+02	3.9e+03	2.42e+06	1.00e+03	2.4e+03
177	PCB-123L	2.03e+06	2.11e+04	9.6e+01	1.29e+06	5.53e+03	2.3e+02
178	PCB-118L	2.02e+06	2.11e+04	9.6e+01	1.34e+06	5.53e+03	2.4e+02
179	PCB-114L	1.92e+06	2.11e+04	9.1e+01	1.27e+06	5.53e+03	2.3e+02
180	PCB-105L	1.74e+06	2.11e+04	8.2e+01	1.13e+06	5.53e+03	2.0e+02
181	PCB-126L	1.30e+06	2.11e+04	6.1e+01	8.28e+05	5.53e+03	1.5e+02
182	PCB-155L	3.45e+06	1.62e+03	2.1e+03	2.76e+06	9.88e+02	2.8e+03
183	PCB-167L	1.29e+06	2.68e+03	4.8e+02	1.03e+06	2.40e+03	4.3e+02
184	PCB-156/157L	1.80e+06	2.68e+03	6.7e+02	1.44e+06	2.40e+03	6.0e+02
185	PCB-169L	7.95e+05	2.68e+03	3.0e+02	6.54e+05	2.40e+03	2.7e+02
186	PCB-188L	2.60e+06	9.64e+02	2.7e+03	2.47e+06	9.44e+02	2.6e+03
187	PCB-189L	7.96e+05	8.96e+02	8.9e+02	7.70e+05	8.00e+02	9.6e+02
188	PCB-202L	1.56e+06	7.00e+02	2.2e+03	1.73e+06	6.28e+02	2.7e+03
189	PCB-205L	5.92e+05	7.00e+02	8.5e+02	6.47e+05	6.28e+02	1.0e+03
190	PCB-208L	7.85e+05	6.04e+02	1.3e+03	9.86e+05	8.24e+02	1.2e+03
[illegible]	PCB-206L	3.77e+05	7.80e+02	4.8e+02	4.70e+05	8.48e+02	5.5e+02
[illegible]	PCB-209L	4.96e+05	9.36e+02	5.3e+02	4.07e+05	6.60e+02	6.2e+02
19[illegible]	PCB-28L	3.27e+06	8.44e+03	3.9e+02	3.17e+06	6.47e+03	4.9e+02
19[illegible]	PCB-111L	3.26e+06	1.45e+03	2.2e+03	2.07e+06	2.13e+03	9.7e+02
19[illegible]	PCB-178L	1.53e+06	9.64e+02	1.6e+03	1.45e+06	9.44e+02	1.5e+03
196	PCB-9L	5.87e+06	2.18e+03	2.7e+03	3.77e+06	1.03e+03	3.6e+03
197	PCB-52L	3.48e+06	1.33e+03	2.6e+03	4.50e+06	1.05e+03	4.3e+03
198	PCB-101L	4.01e+06	1.45e+03	2.8e+03	2.56e+06	2.13e+03	1.2e+03
199	PCB-138L	2.42e+06	9.68e+02	2.5e+03	1.88e+06	9.60e+02	2.0e+03
200	PCB-194L	7.04e+05	7.00e+02	1.0e+03	8.16e+05	6.28e+02	1.3e+03

File:U142162 #1-341 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

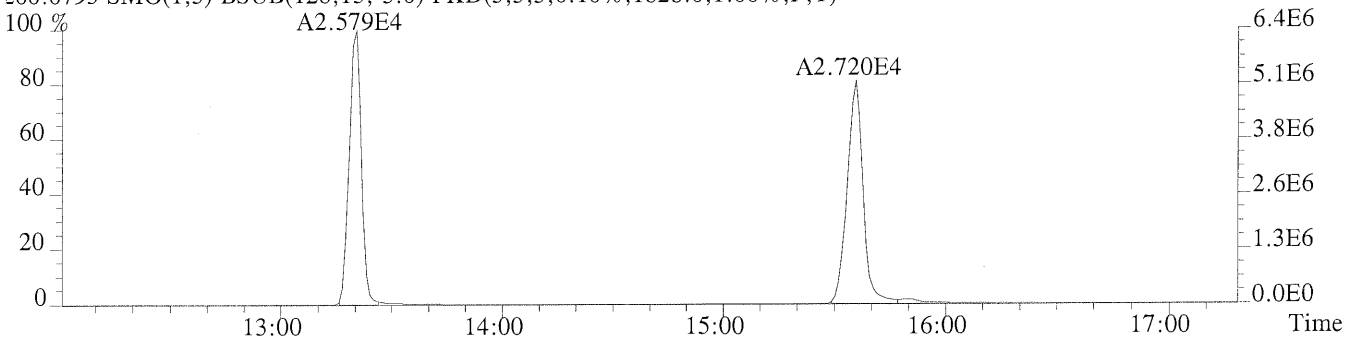
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1232.0,1.00%,F,T)



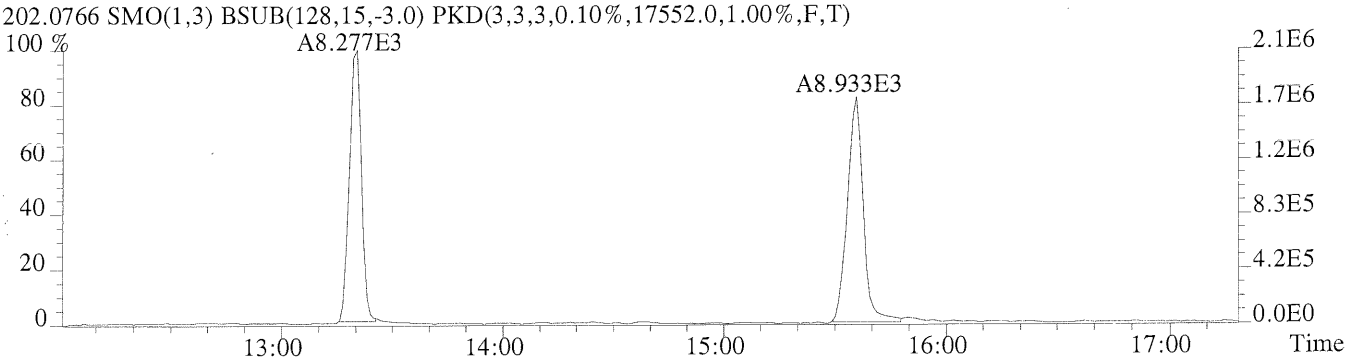
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)



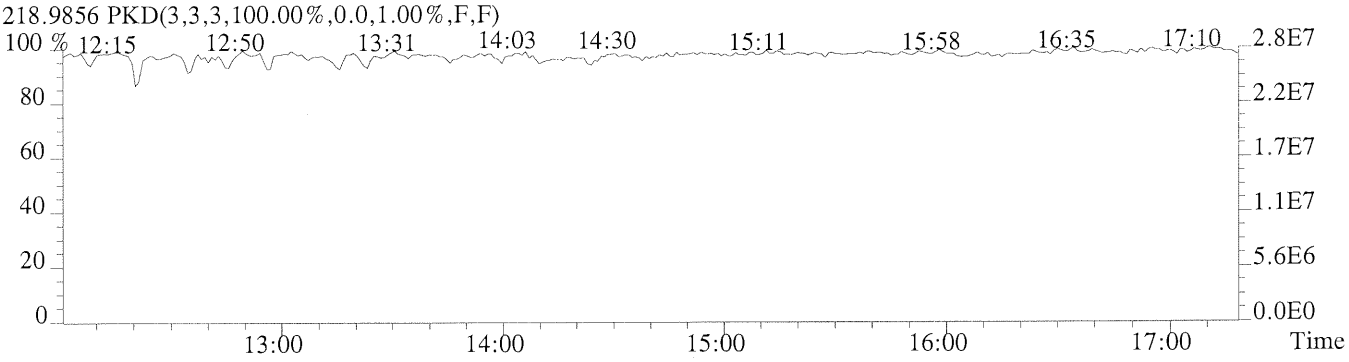
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1828.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17552.0,1.00%,F,T)

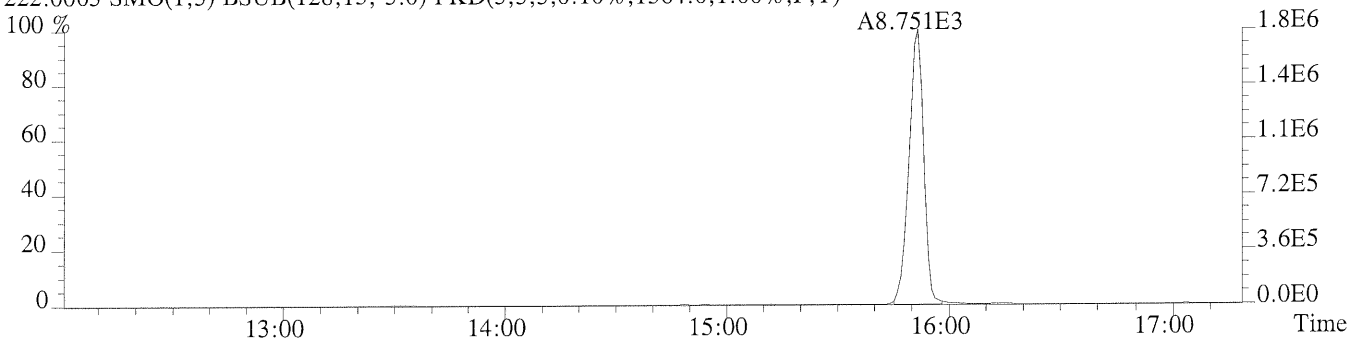


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

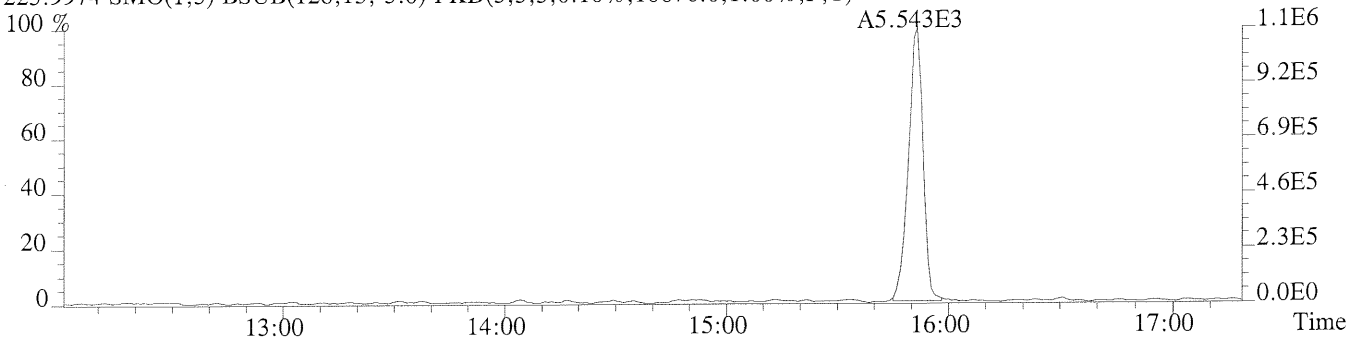


File:U142162 #1-341 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

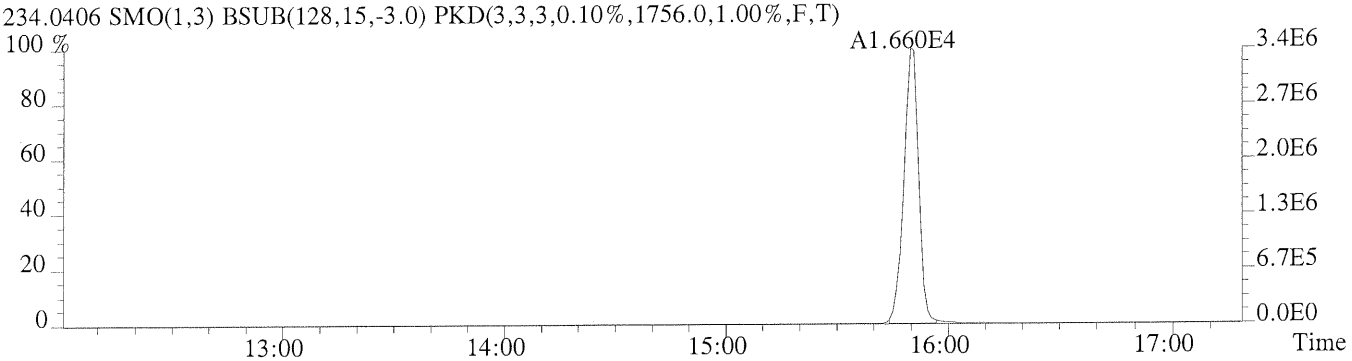
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1564.0,1.00%,F,T)



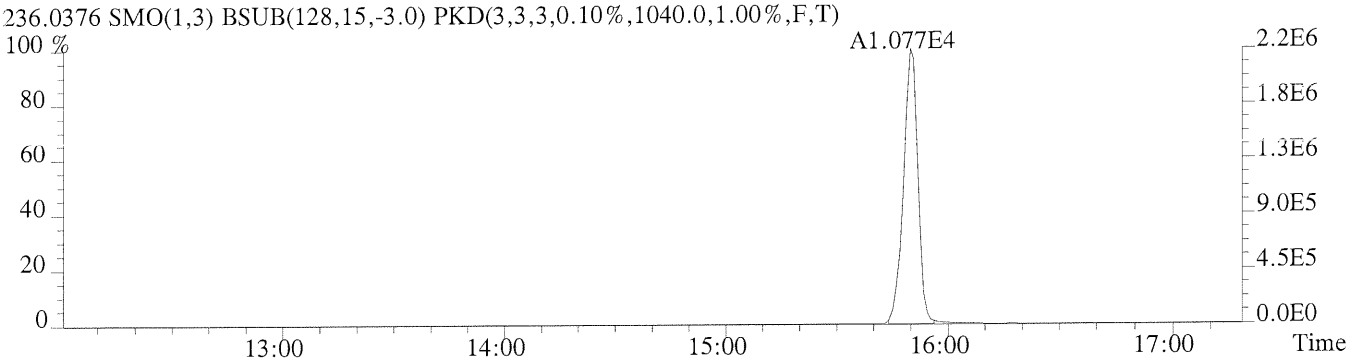
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10676.0,1.00%,F,T)



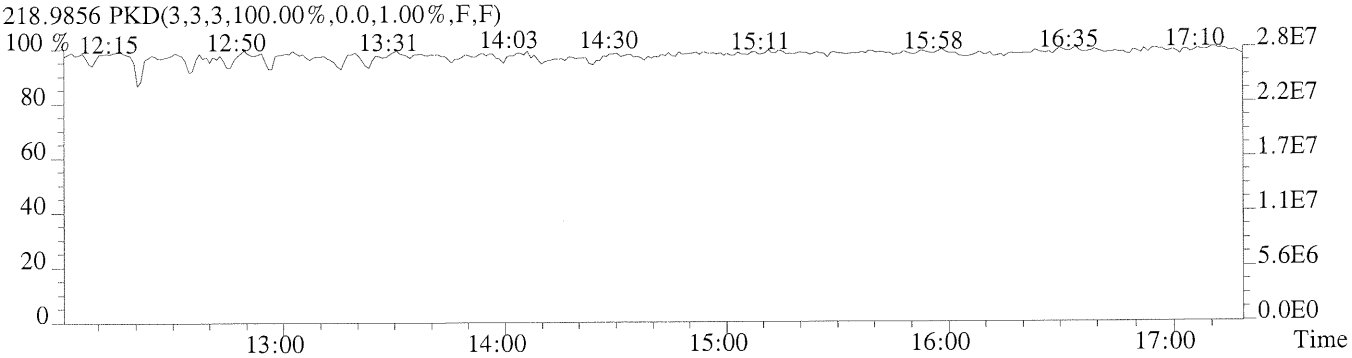
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1756.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)

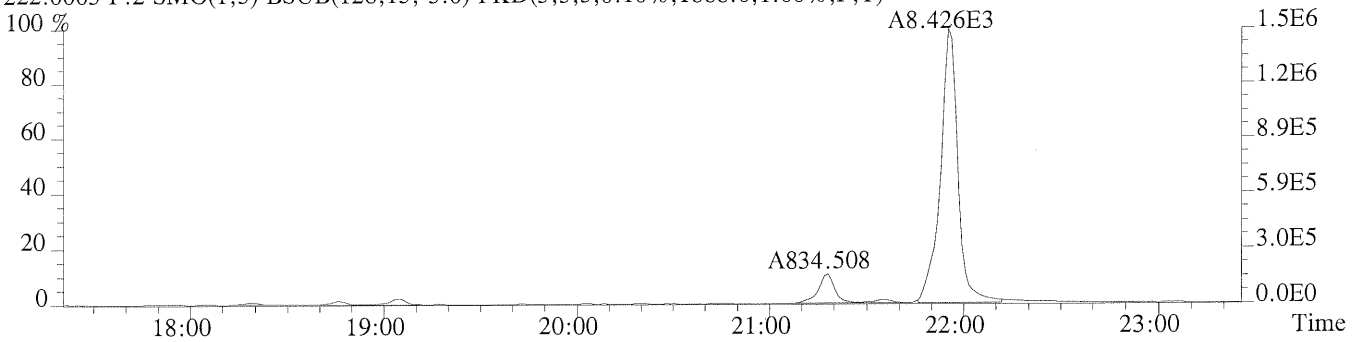


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

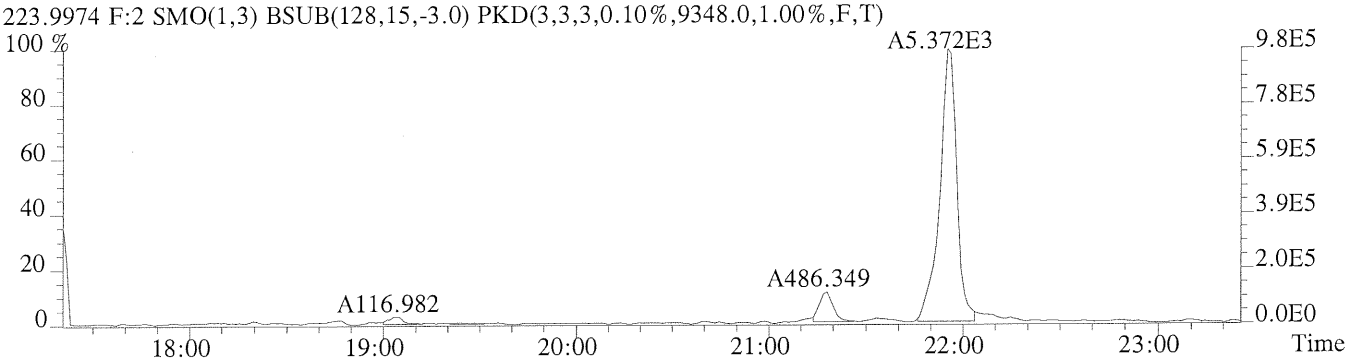


File:U142162 #1-336 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

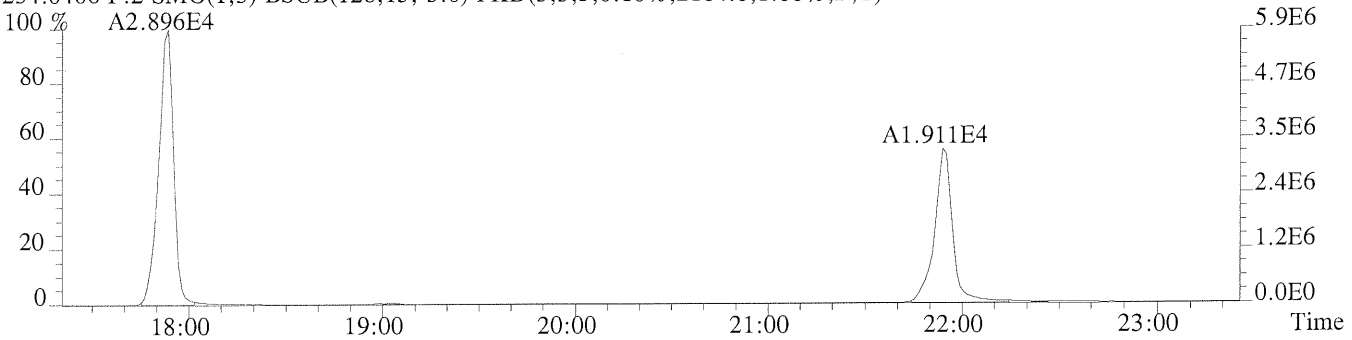
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1888.0,1.00%,F,T)



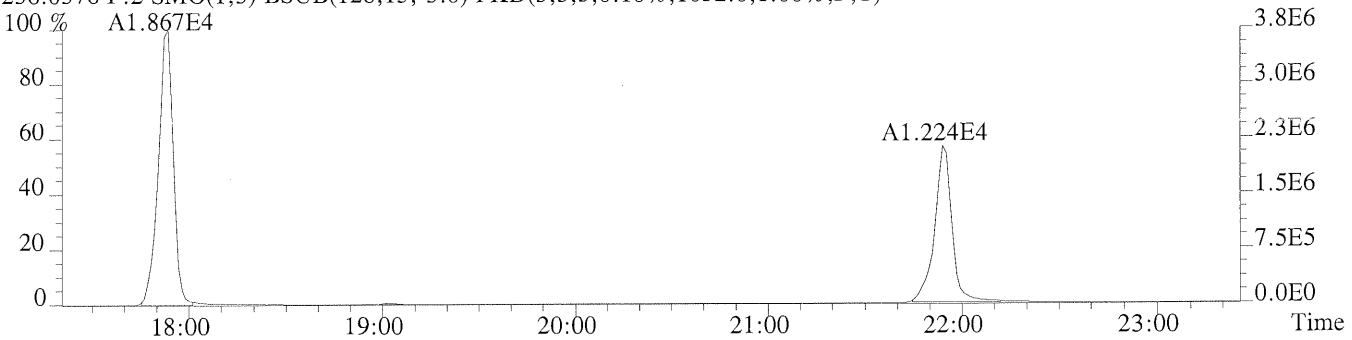
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9348.0,1.00%,F,T)



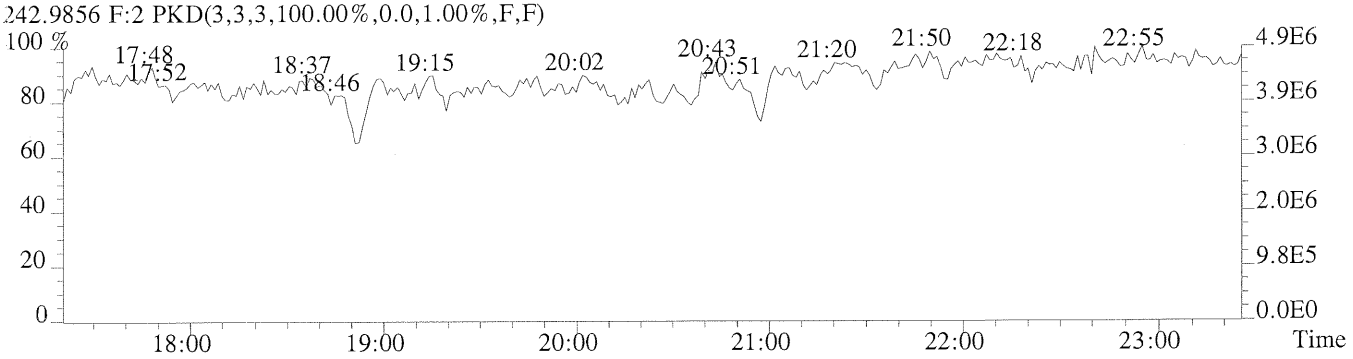
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2184.0,1.00%,F,T)



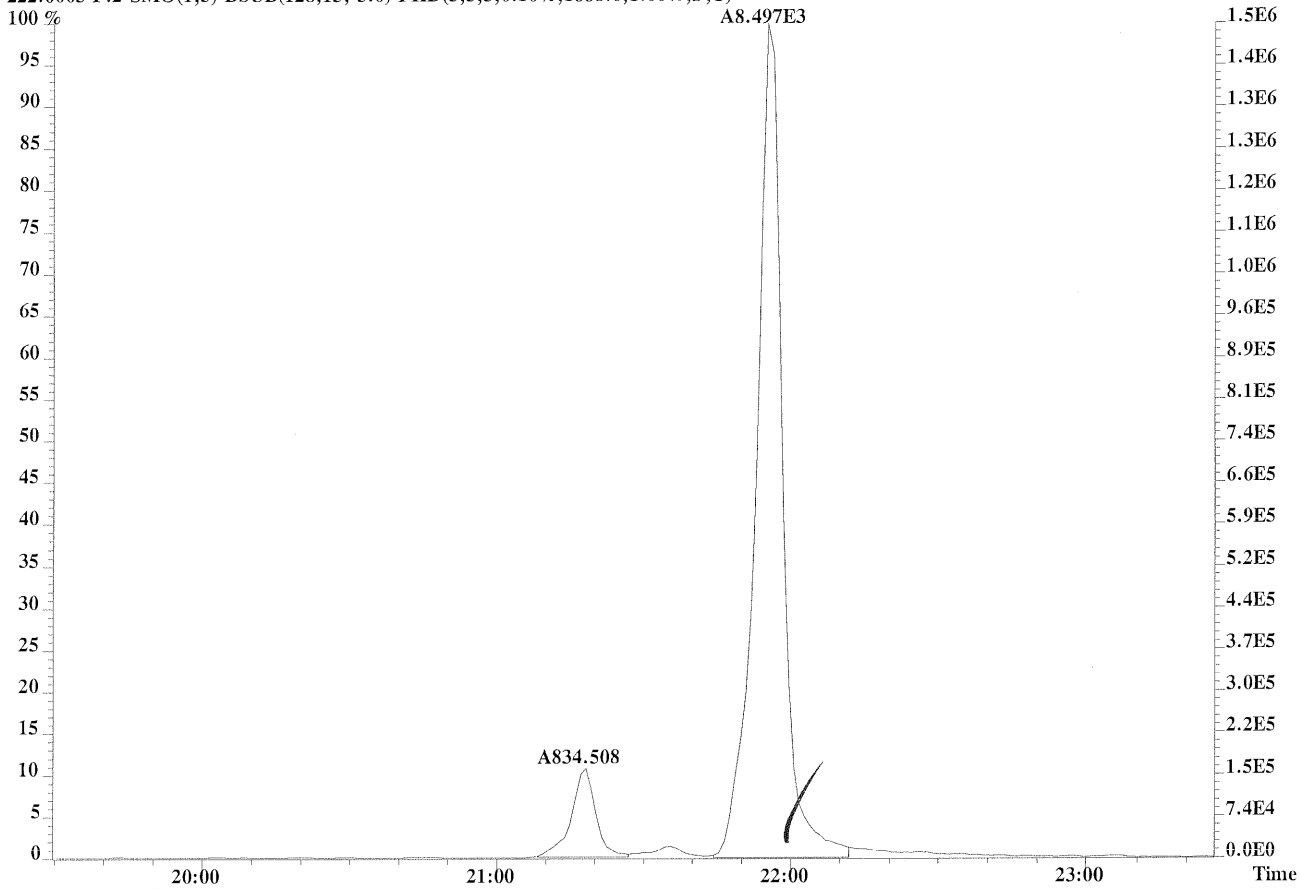
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1032.0,1.00%,F,T)



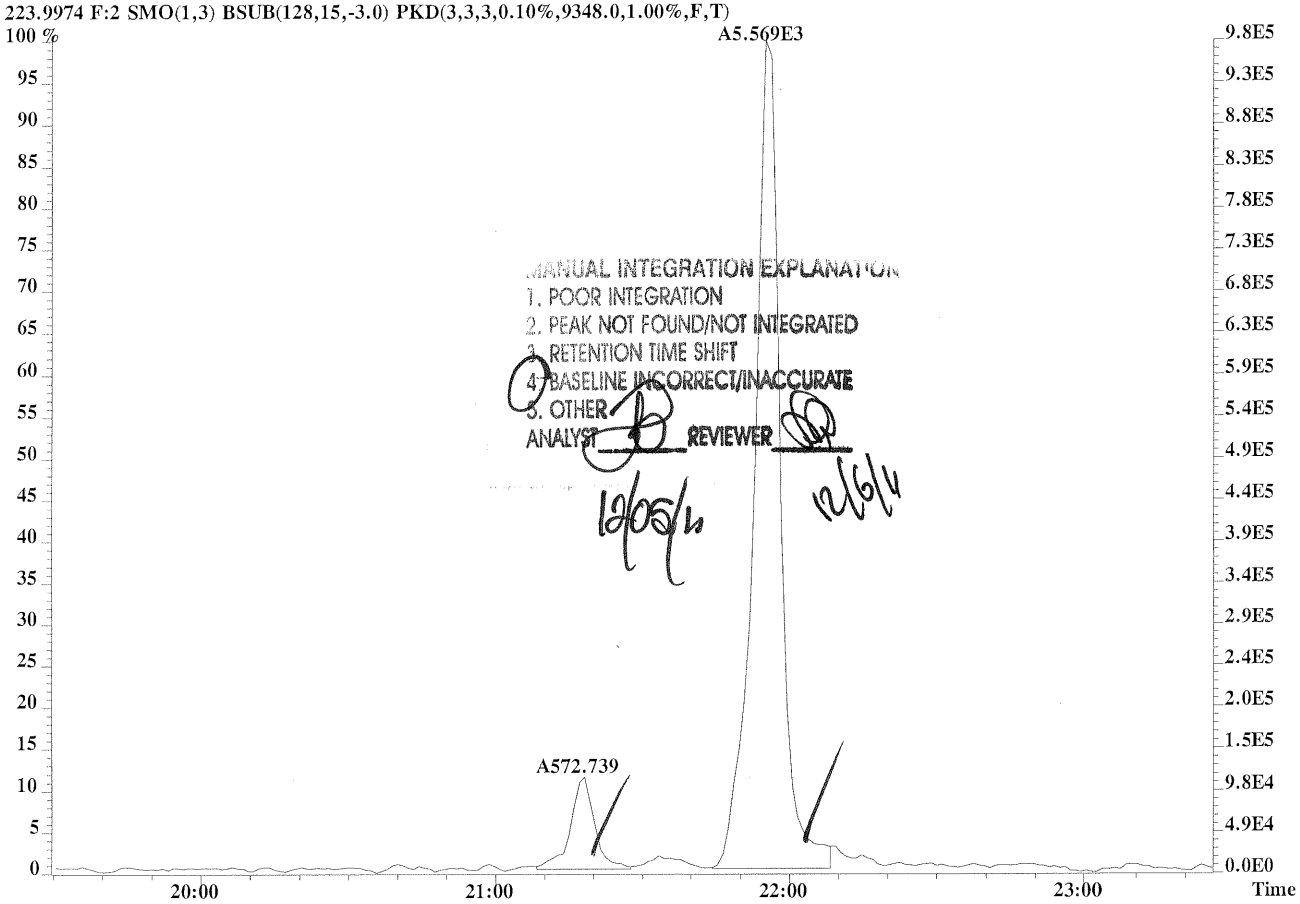
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142162 #1-336 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1888.0,1.00%,F,T)



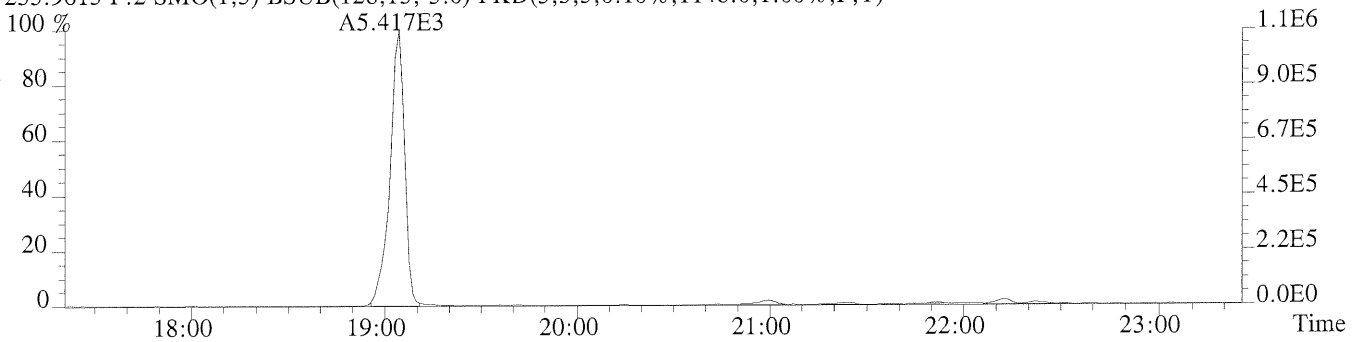
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9348.0,1.00%,F,T)



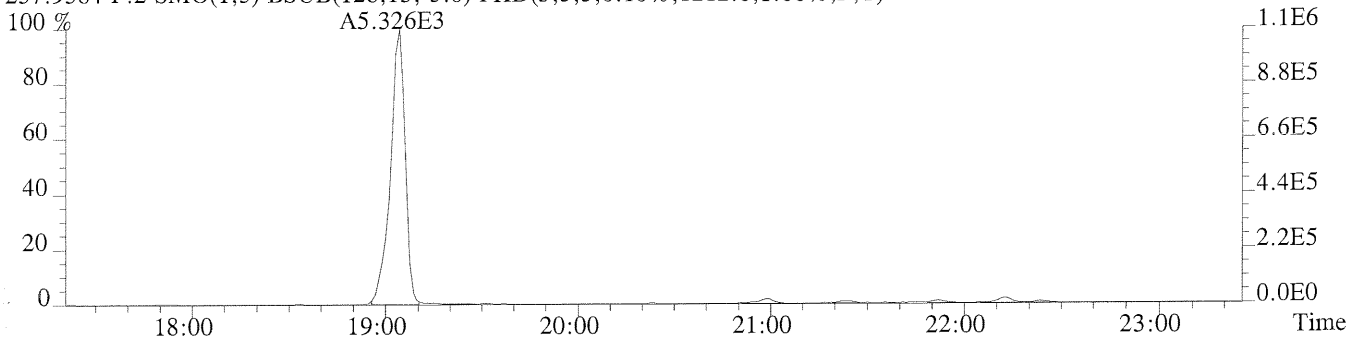
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ____ REVIEWER ____
12/05/11 12/6/11

File:U142162 #1-336 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

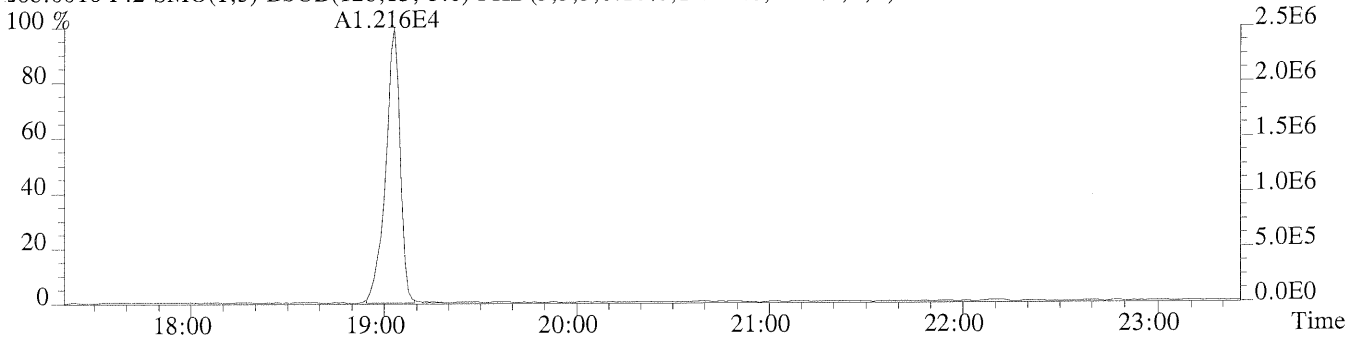
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)



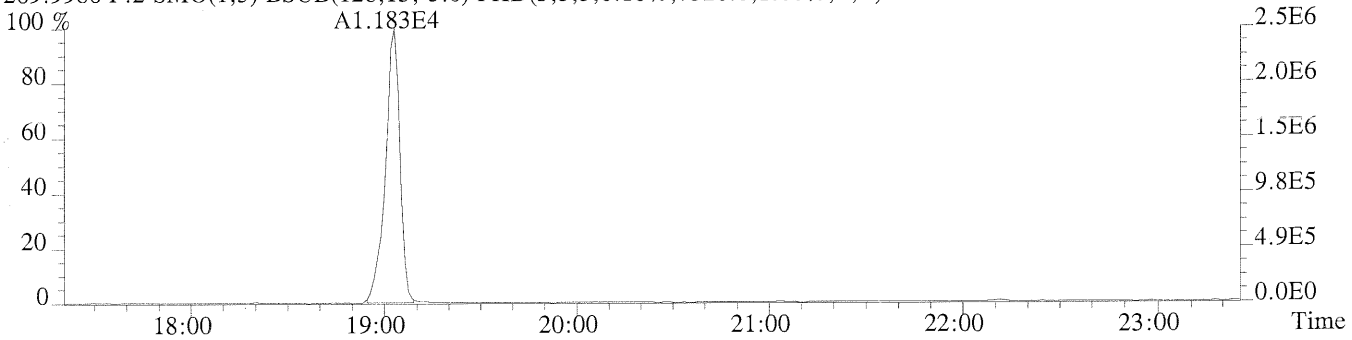
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1212.0,1.00%,F,T)



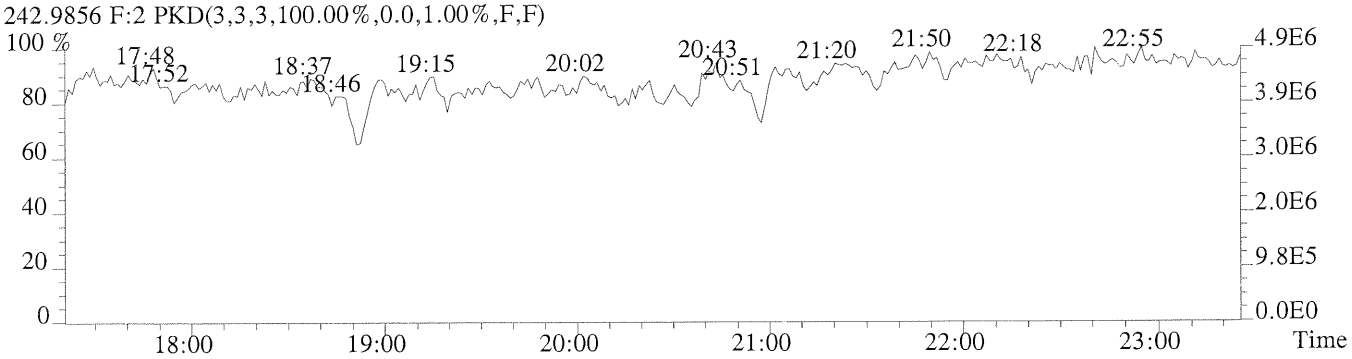
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12248.0,1.00%,F,T)



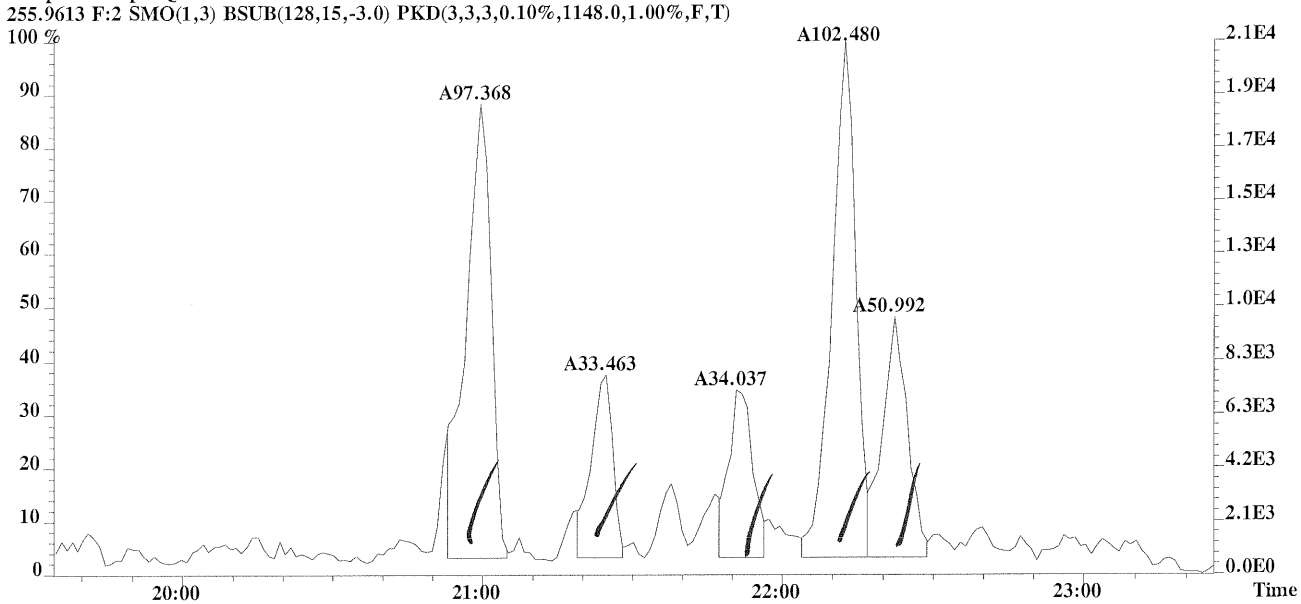
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7320.0,1.00%,F,T)



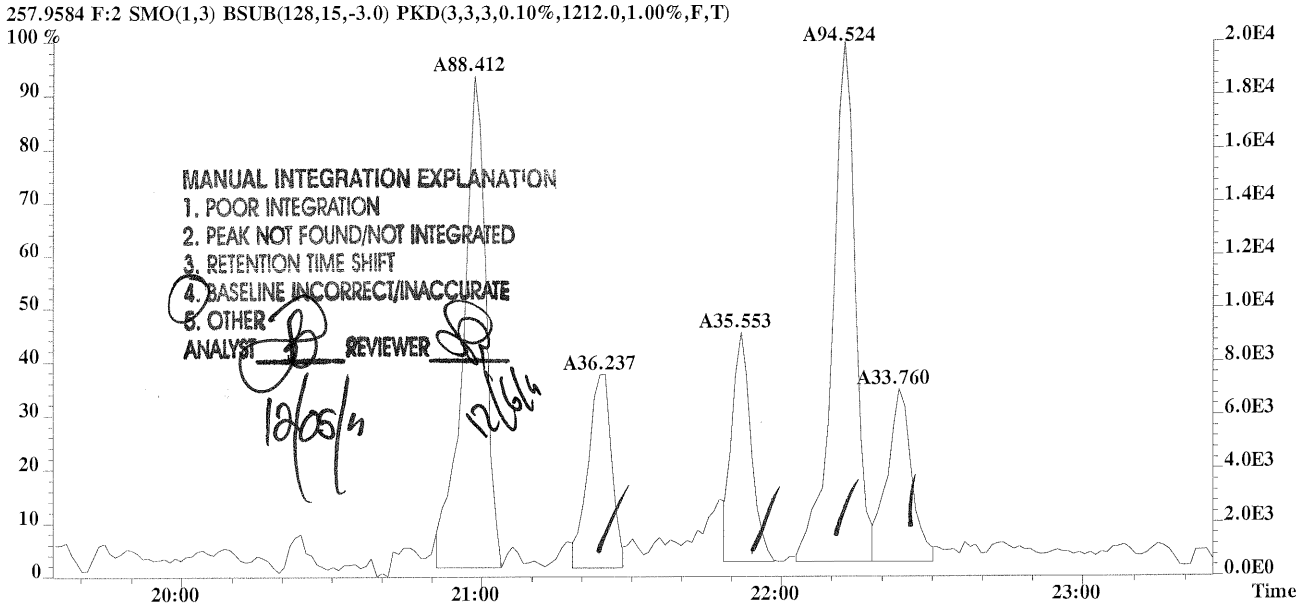
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142162 #1-336 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)

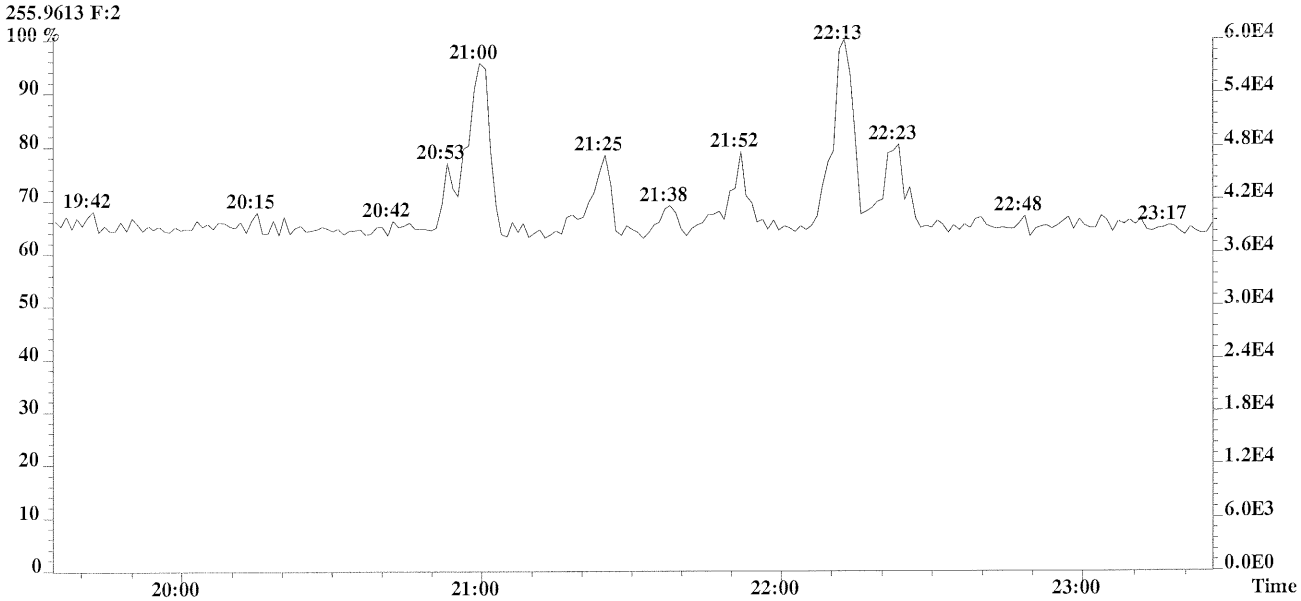


257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1212.0,1.00%,F,T)

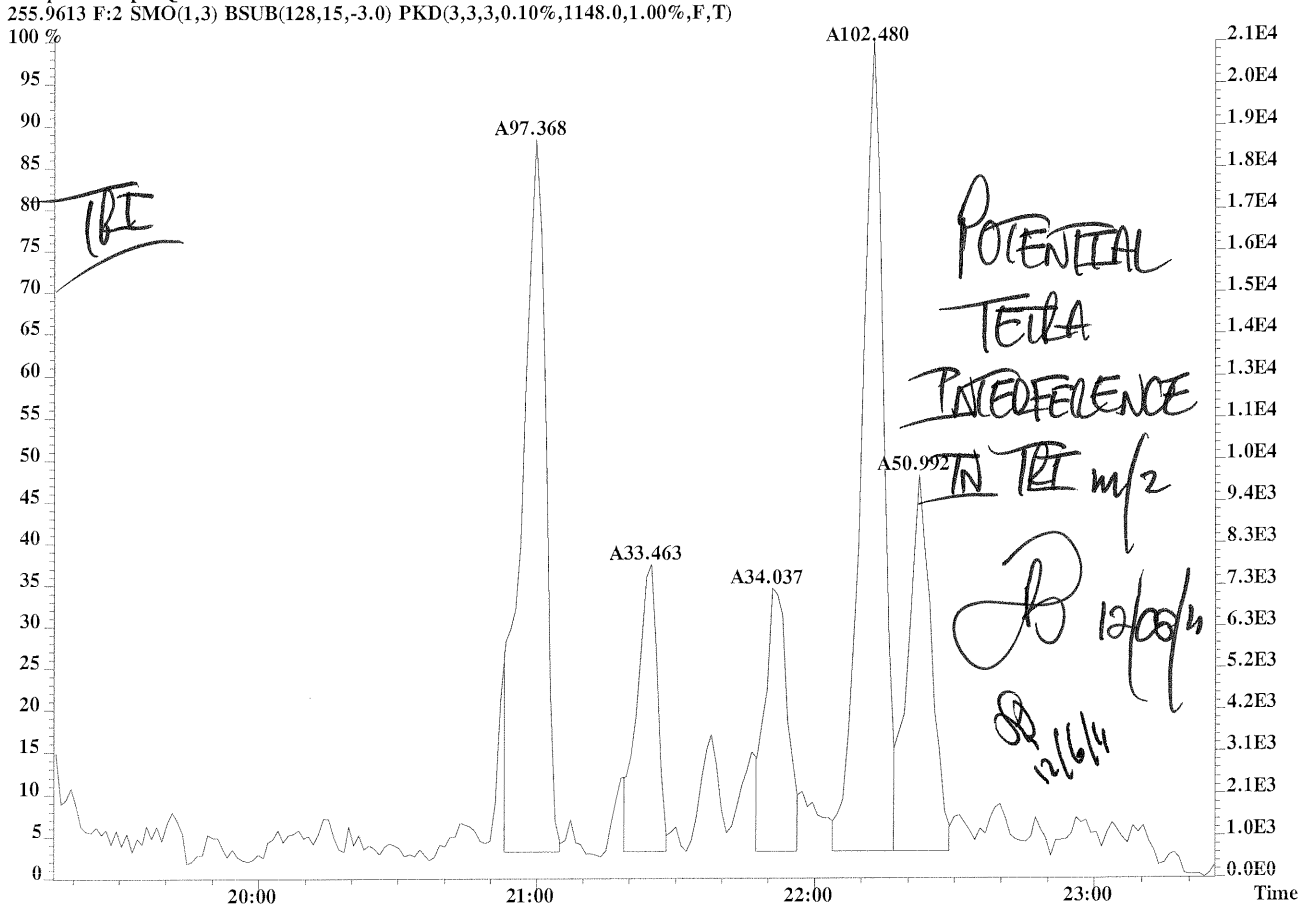


MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ____ REVIEWER ____
12/05/11 12/6/11

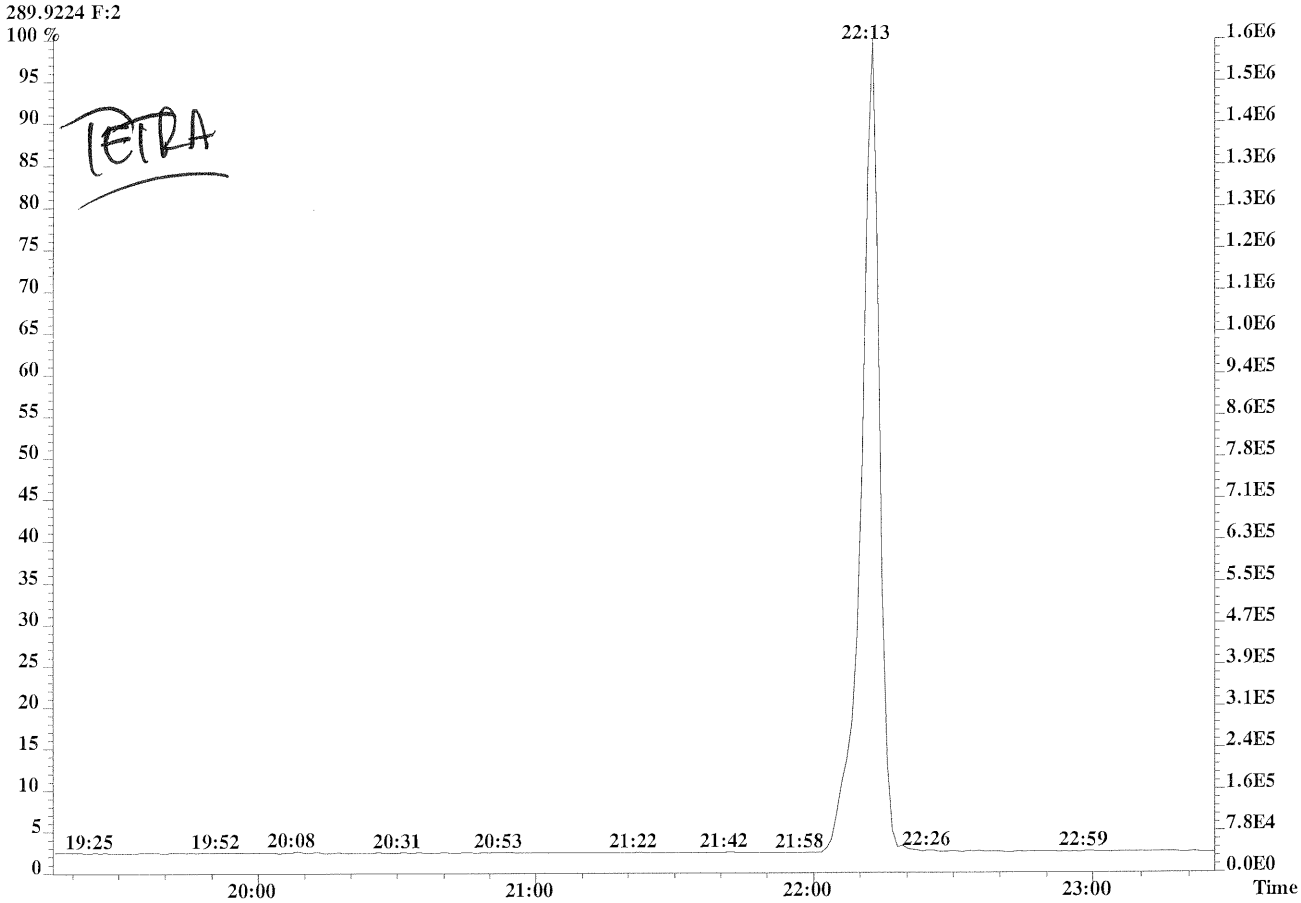
255.9613 F:2



File:U142162 #1-336 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)

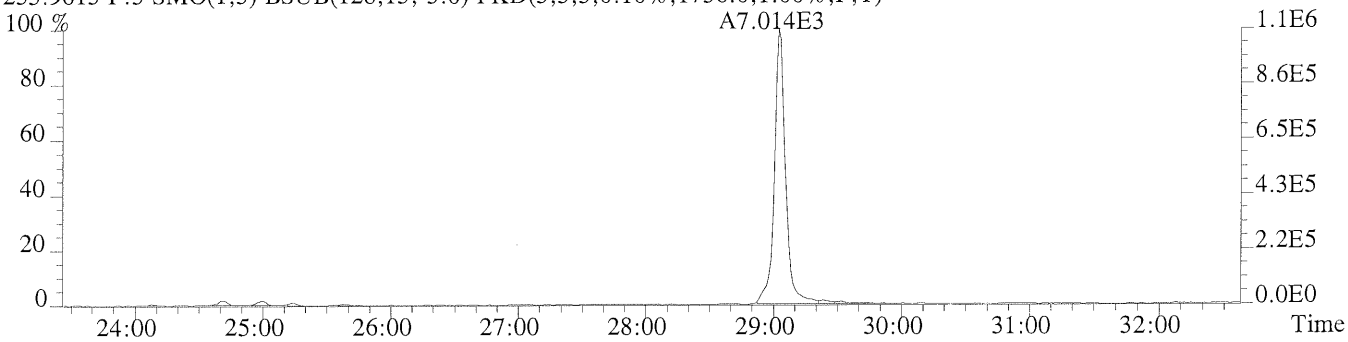


289.9224 F:2

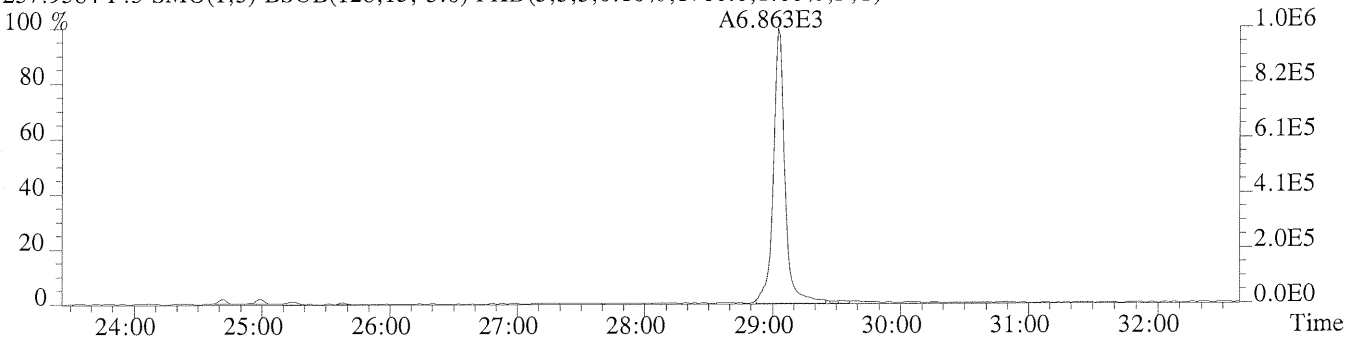


File:U142162 #1-588 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

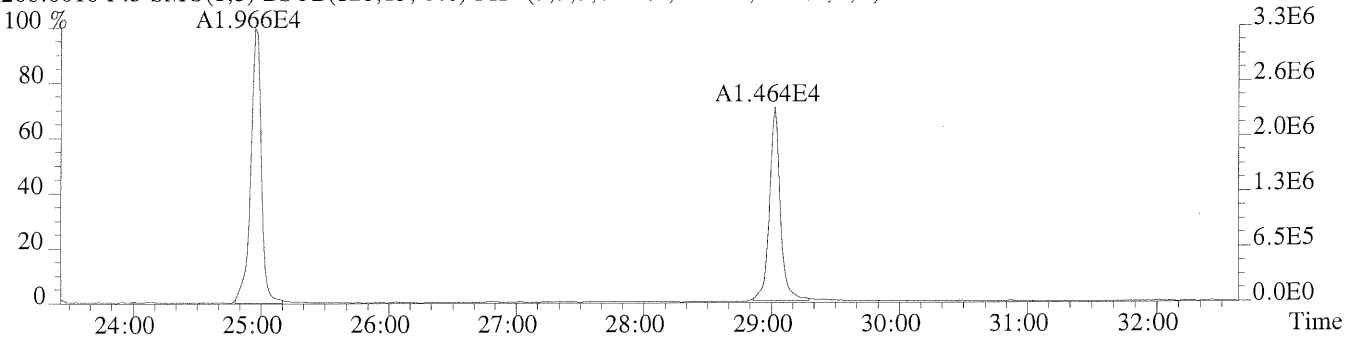
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1736.0,1.00%,F,T)



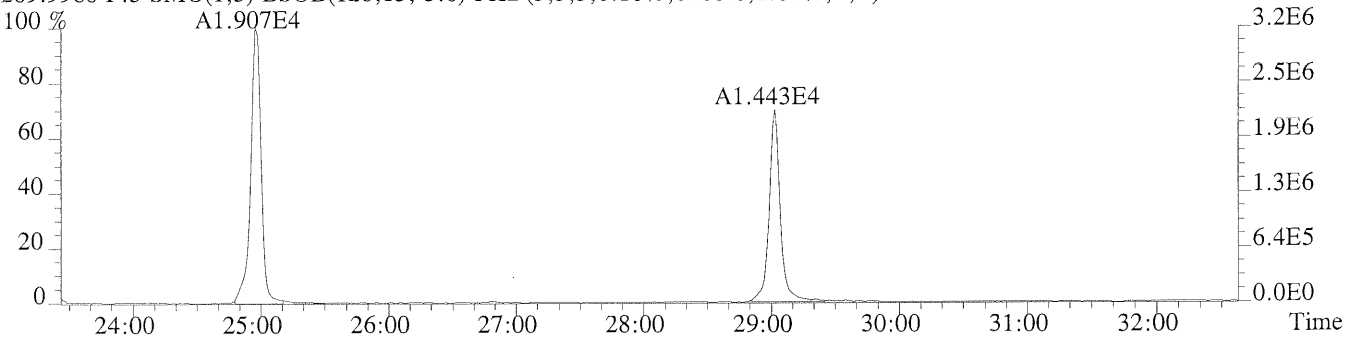
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1760.0,1.00%,F,T)



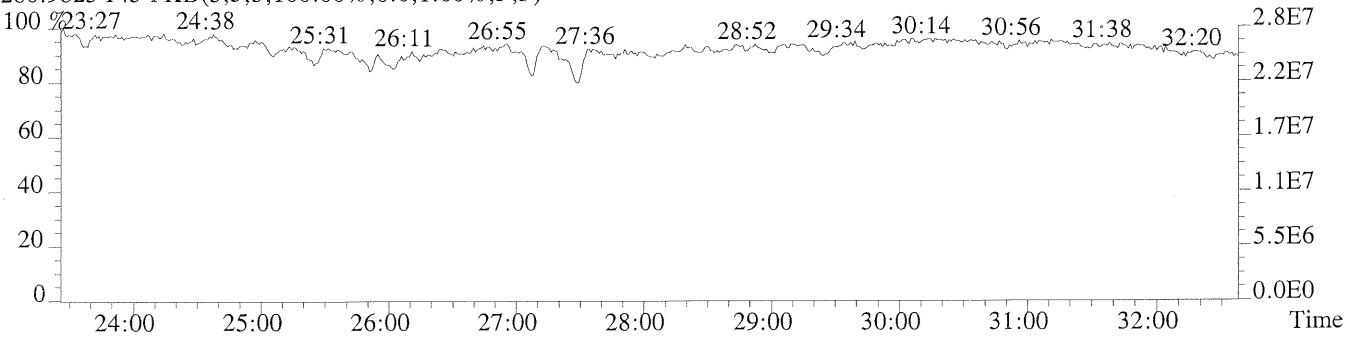
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8440.0,1.00%,F,T)



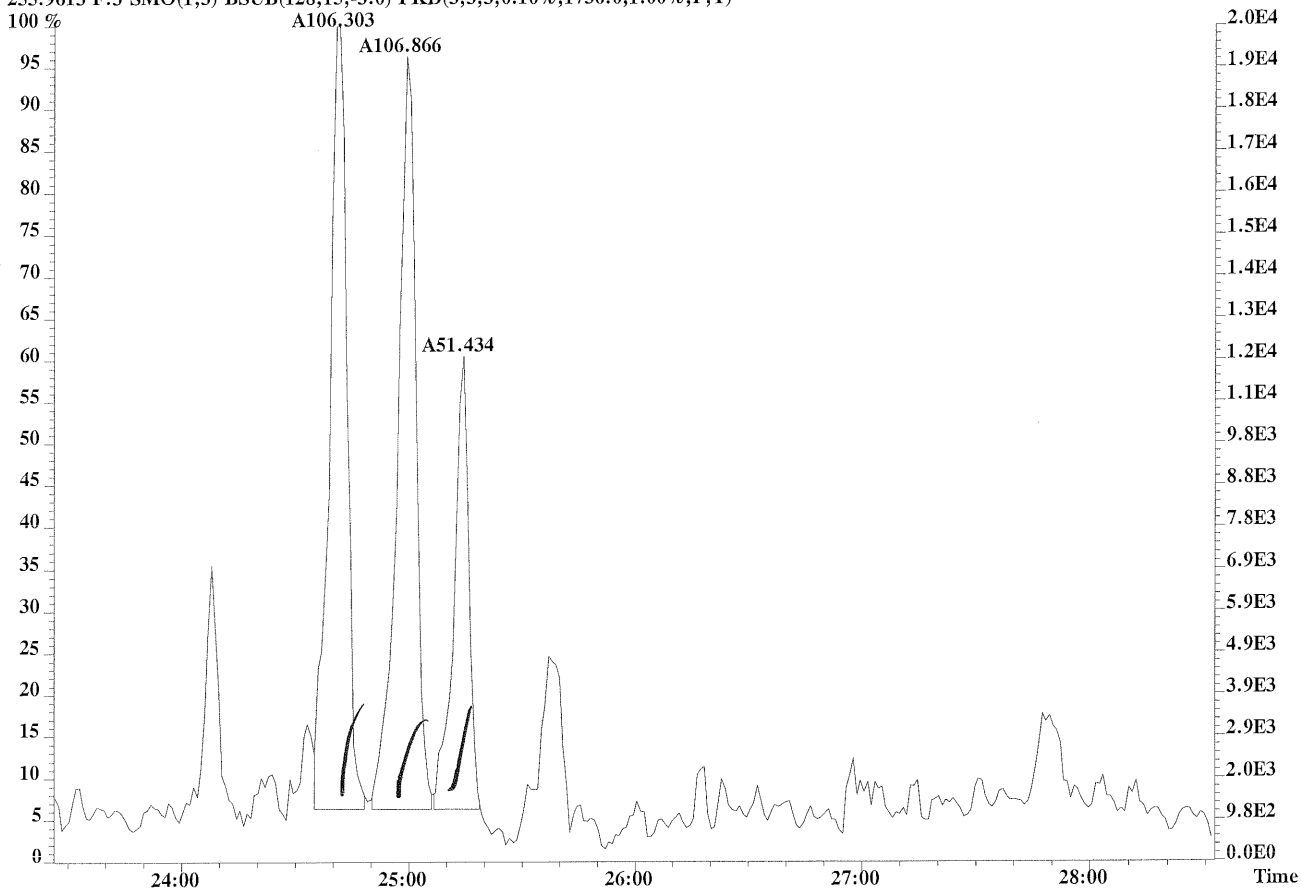
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6468.0,1.00%,F,T)



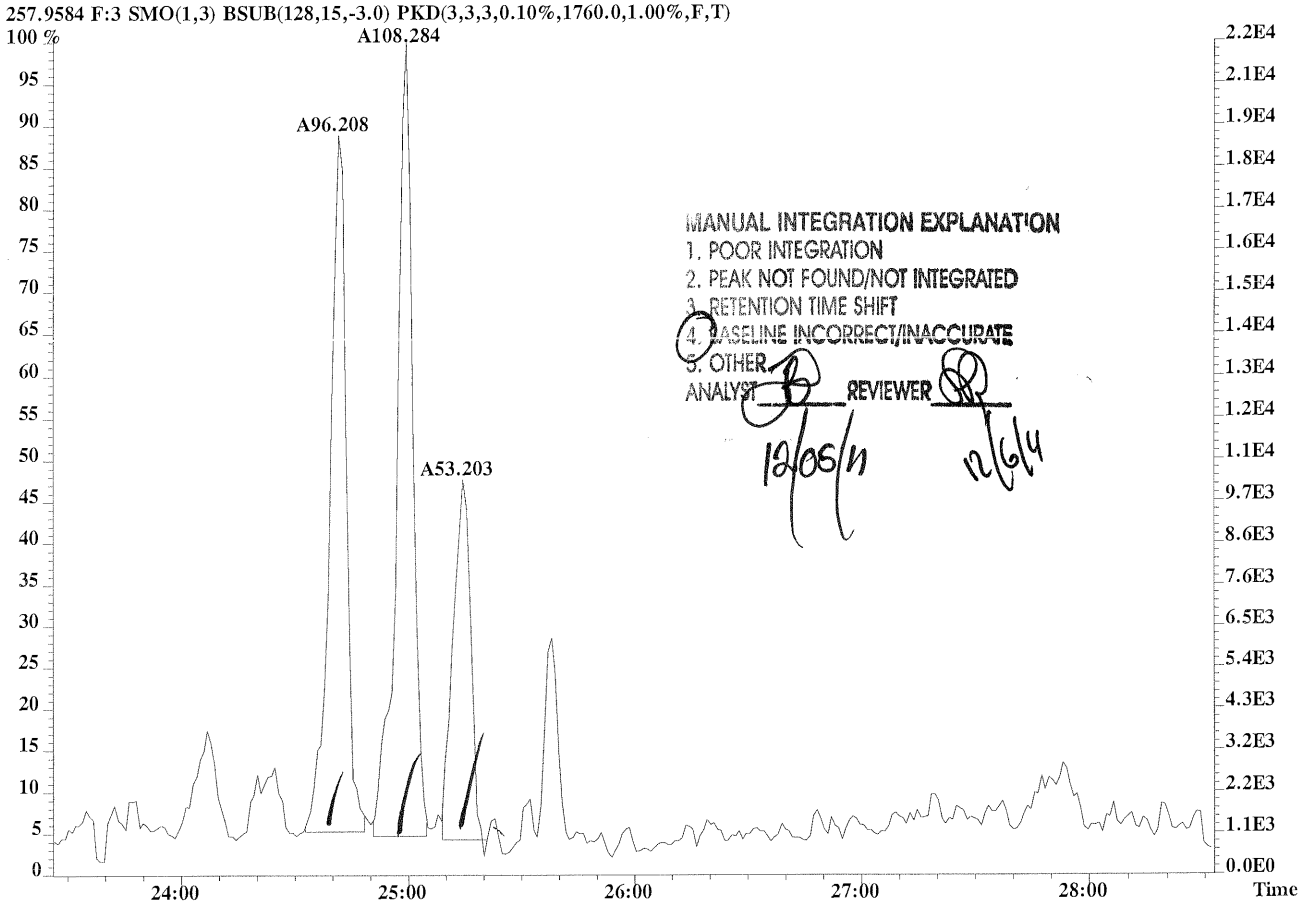
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142162 #1-588 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1736.0,1.00%,F,T)



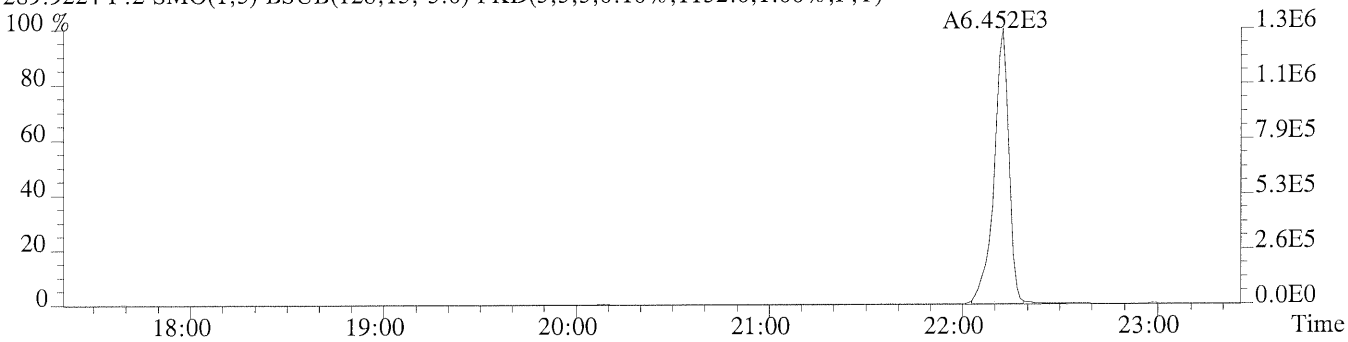
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1760.0,1.00%,F,T)



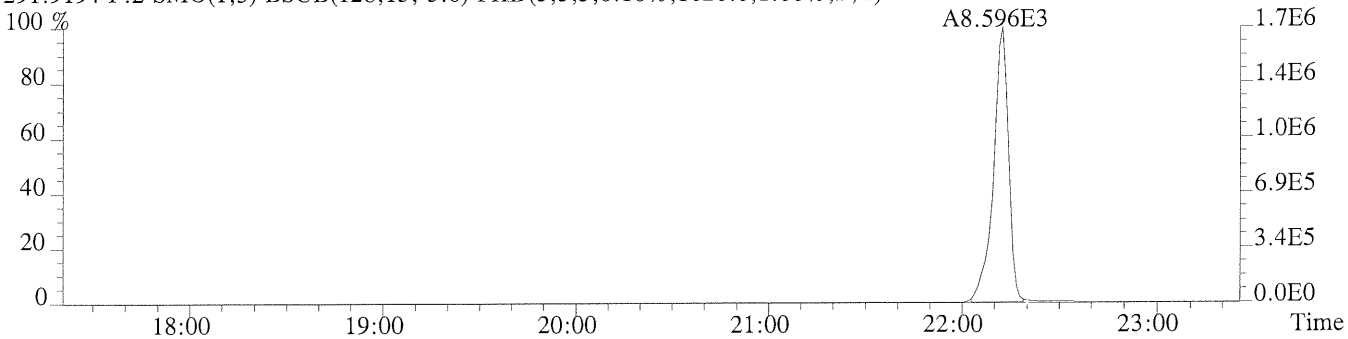
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 12/05/11 REVIEWER 12/6/11

File:U142162 #1-336 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

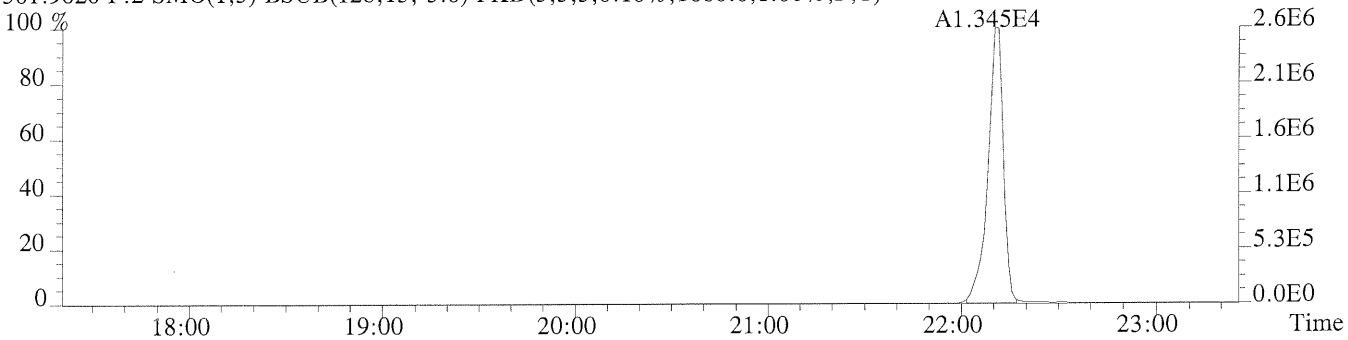
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1132.0,1.00%,F,T)



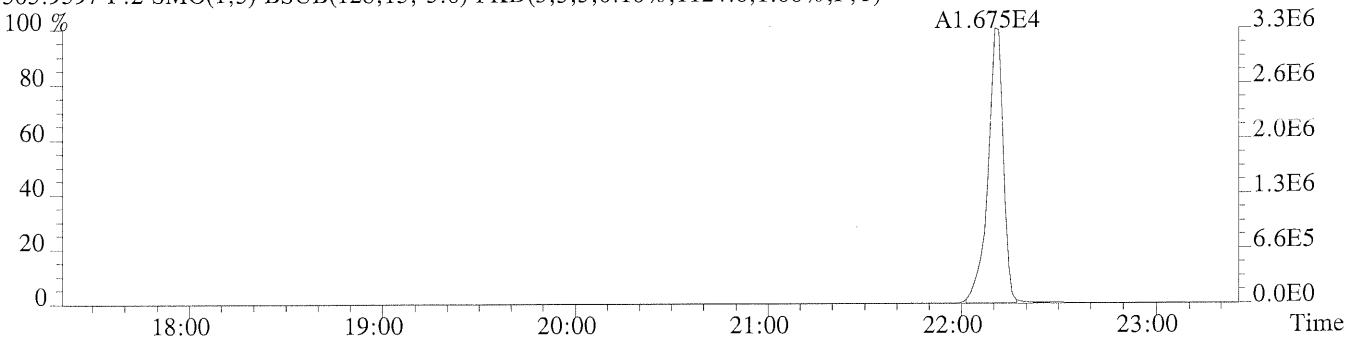
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1020.0,1.00%,F,T)



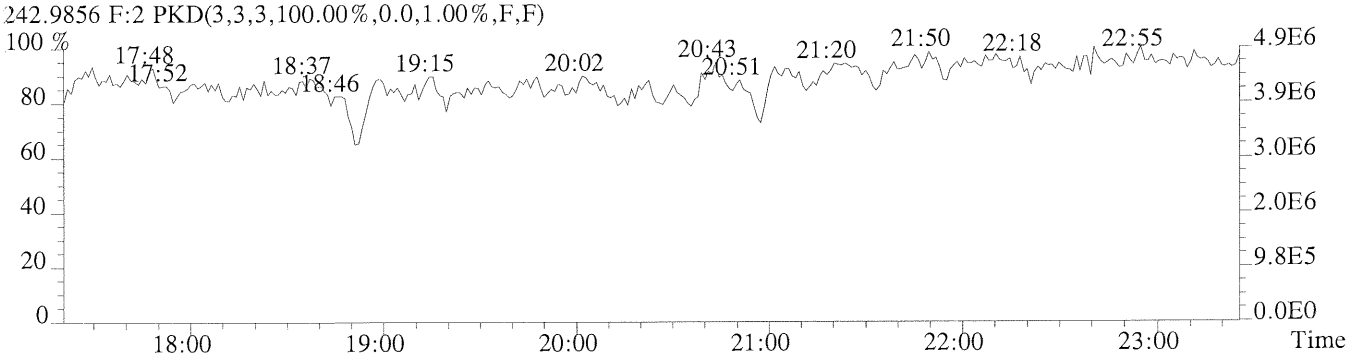
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1680.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1124.0,1.00%,F,T)

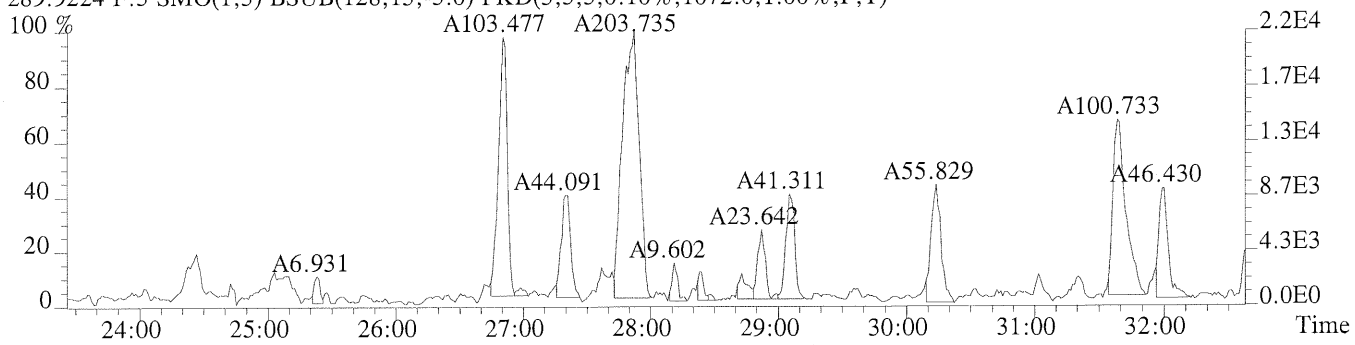


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

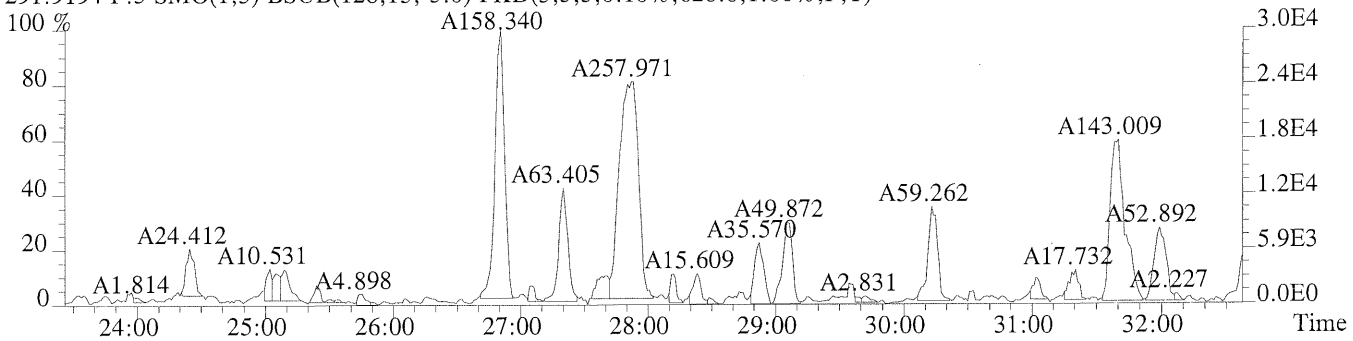


File:U142162 #1-588 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

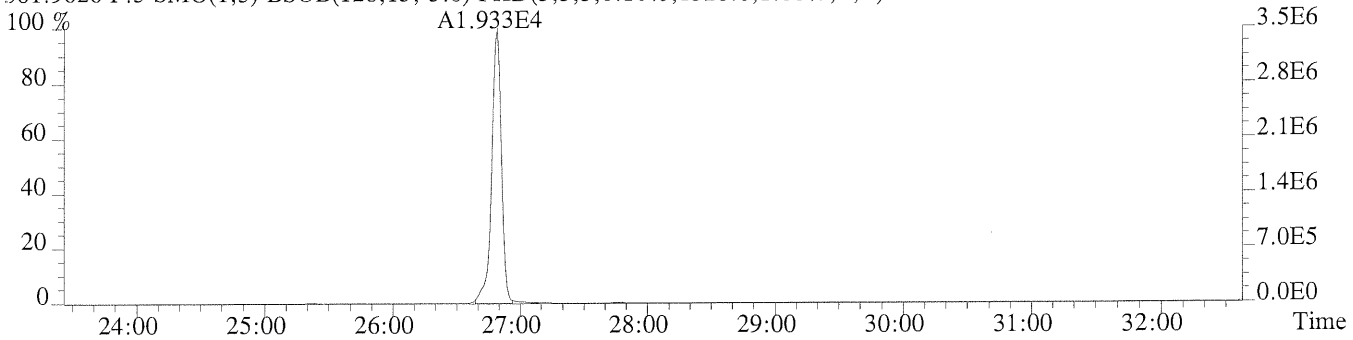
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)



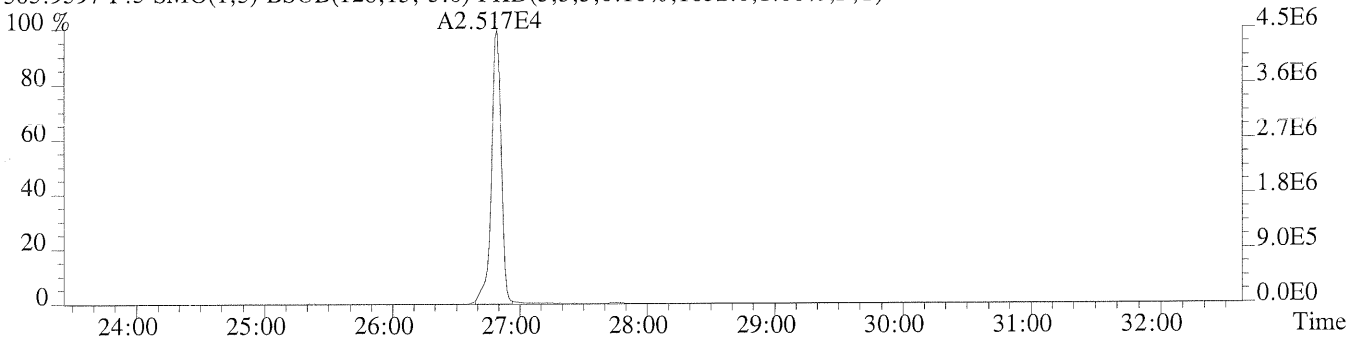
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,628.0,1.00%,F,T)



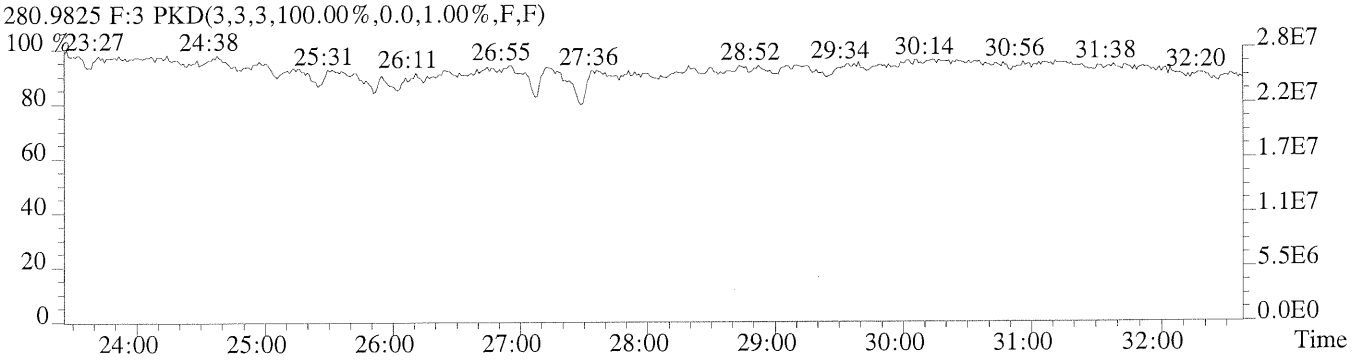
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1328.0,1.00%,F,T)



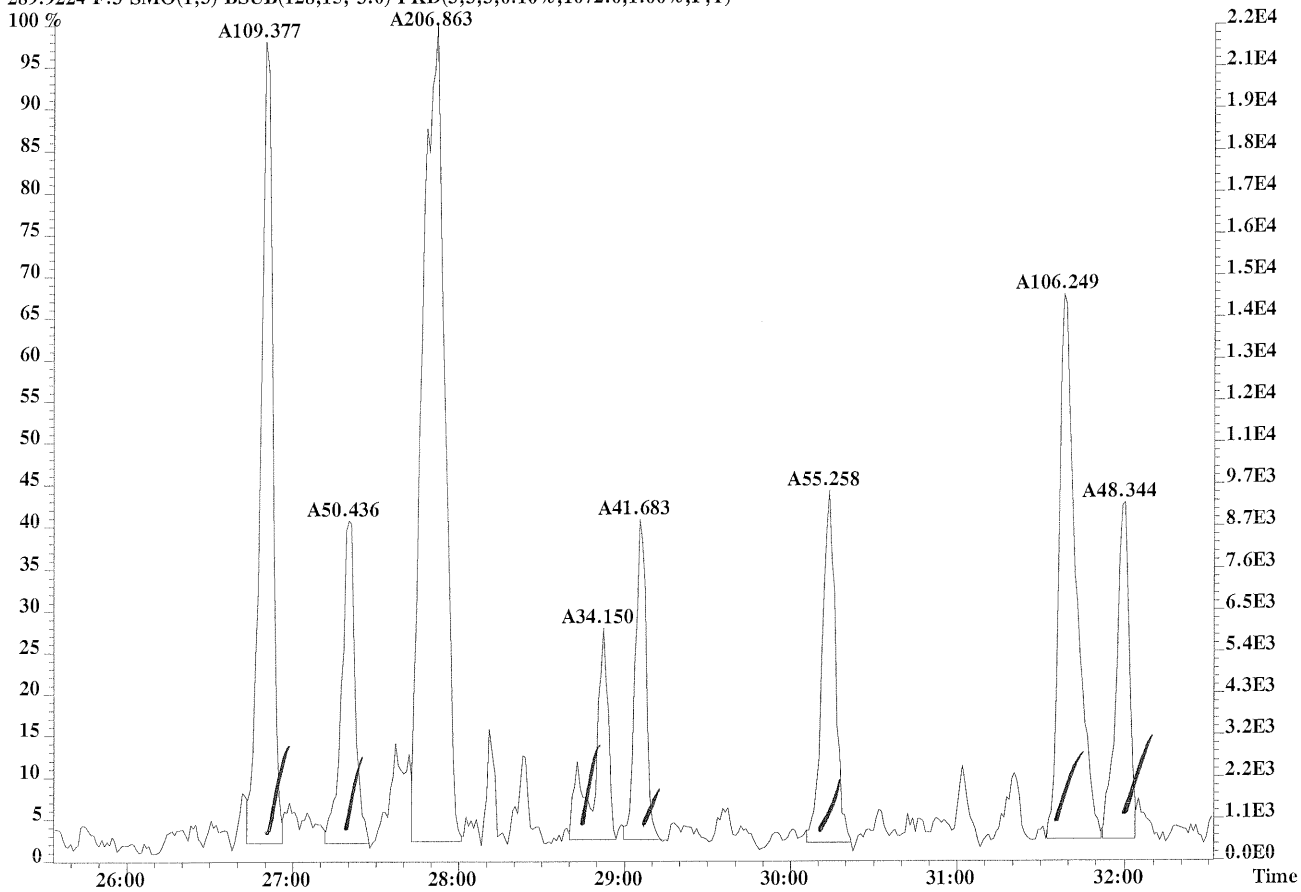
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1052.0,1.00%,F,T)



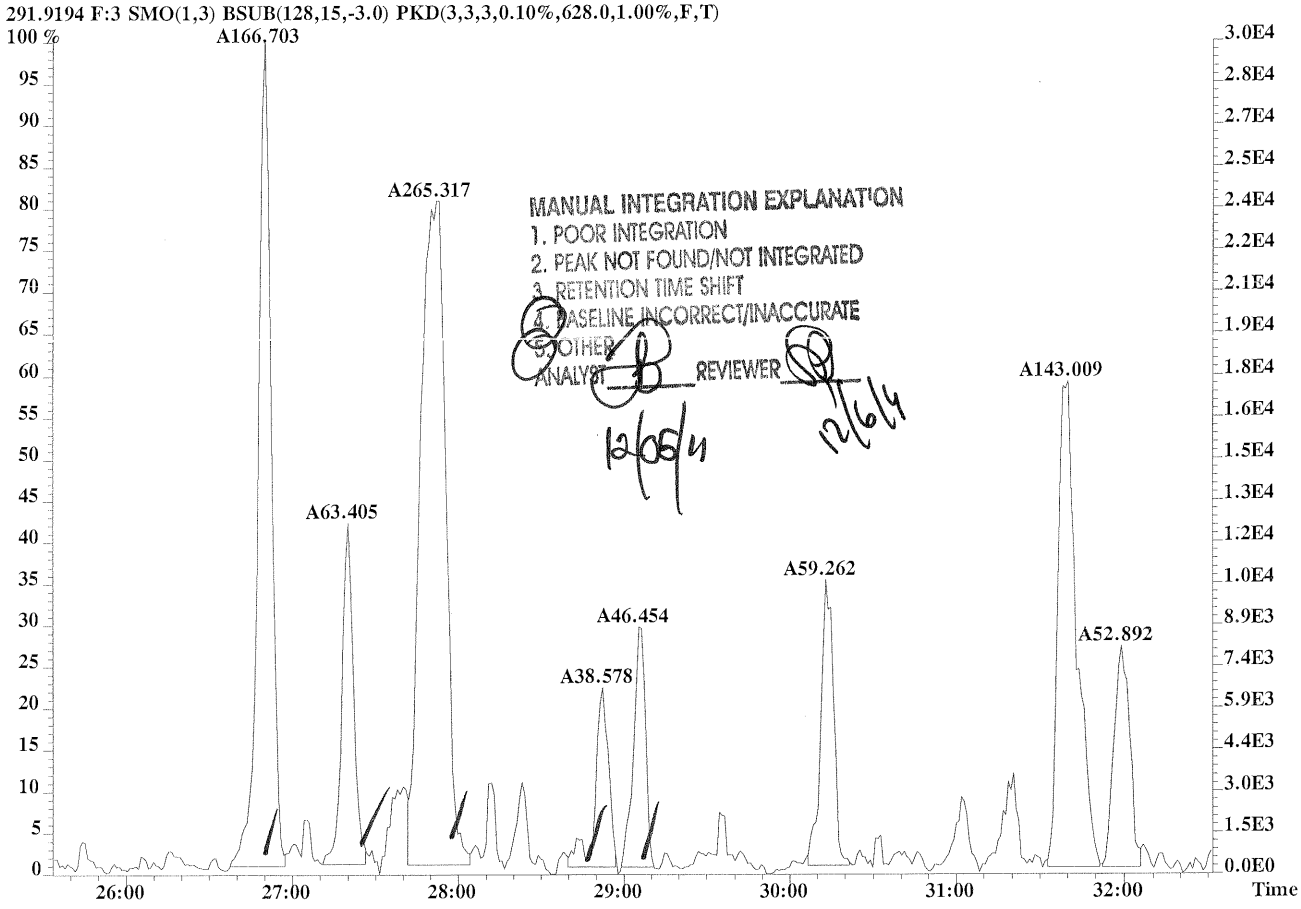
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142162 #1-588 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)



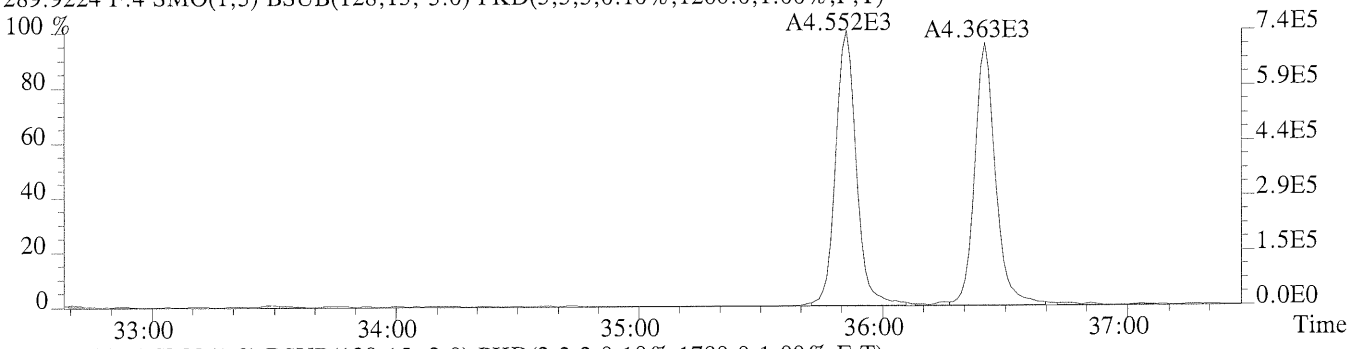
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,628.0,1.00%,F,T)



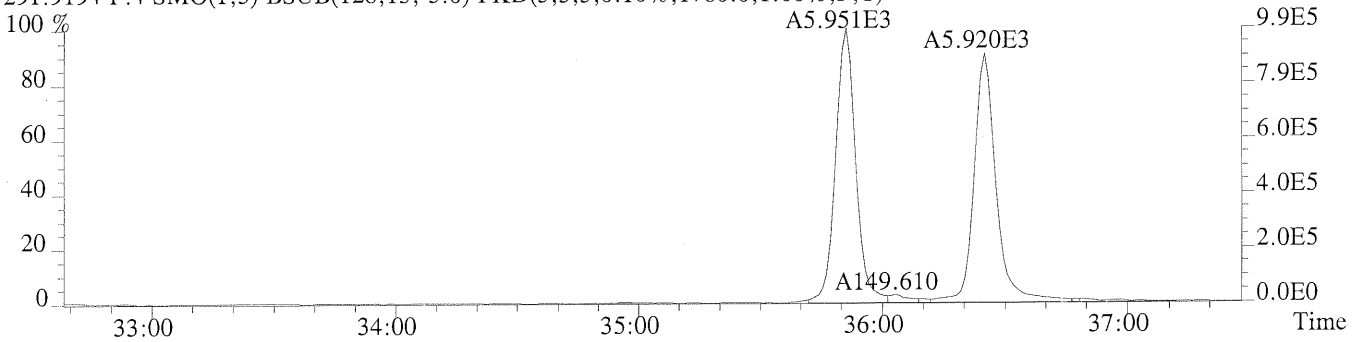
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 12/05/11 REVIEWER 12/6/11

File:U142162 #1-309 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

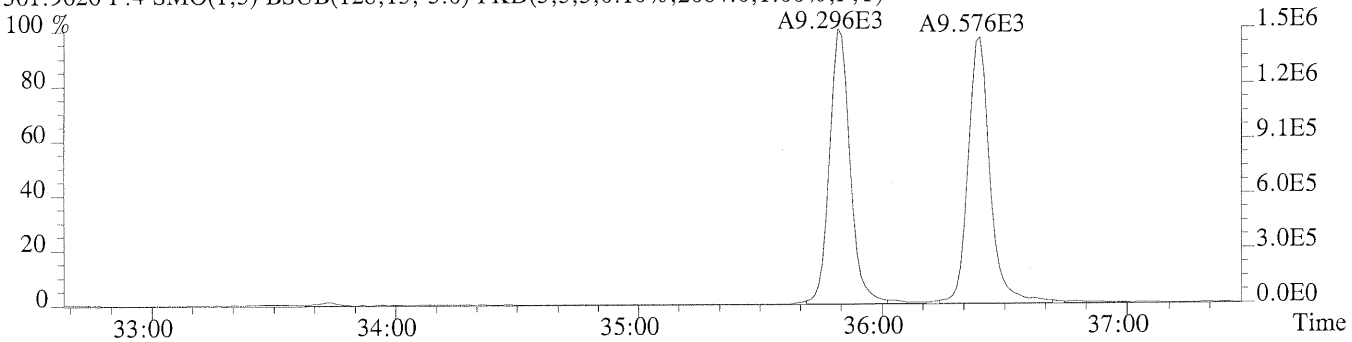
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1200.0,1.00%,F,T)



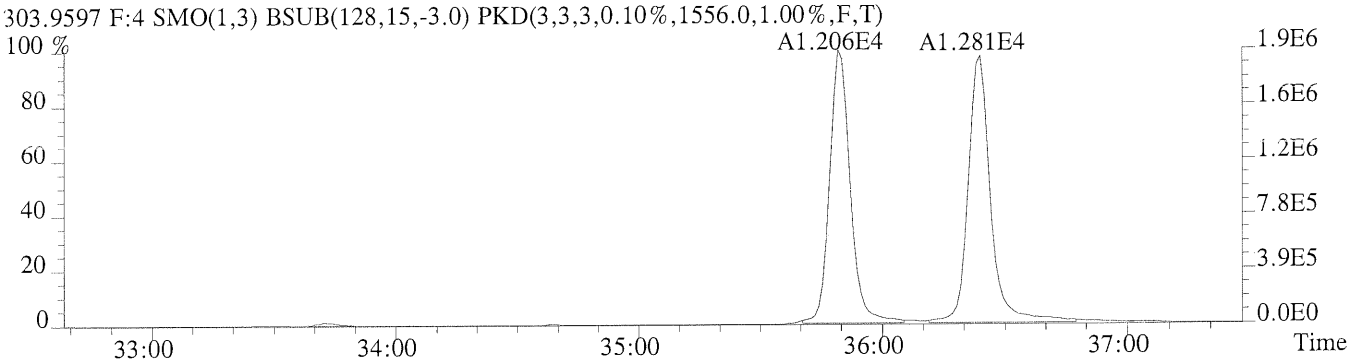
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1780.0,1.00%,F,T)



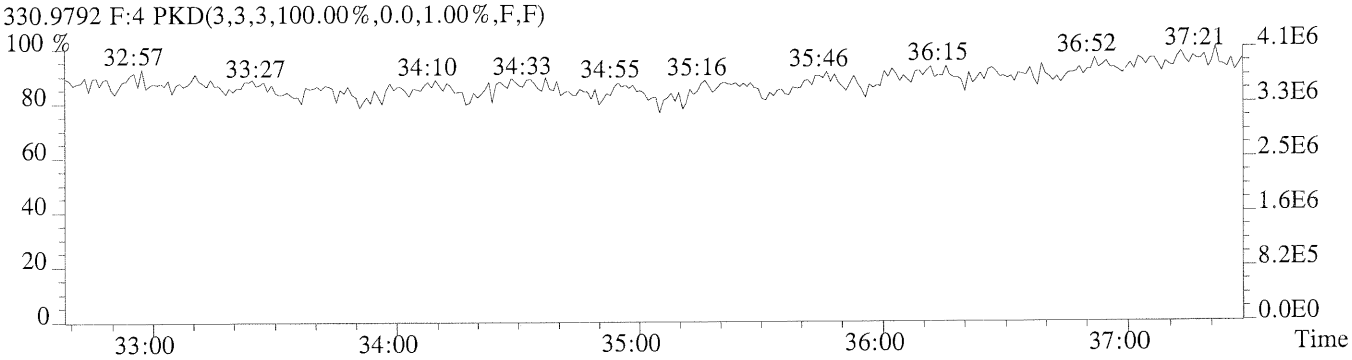
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2064.0,1.00%,F,T)



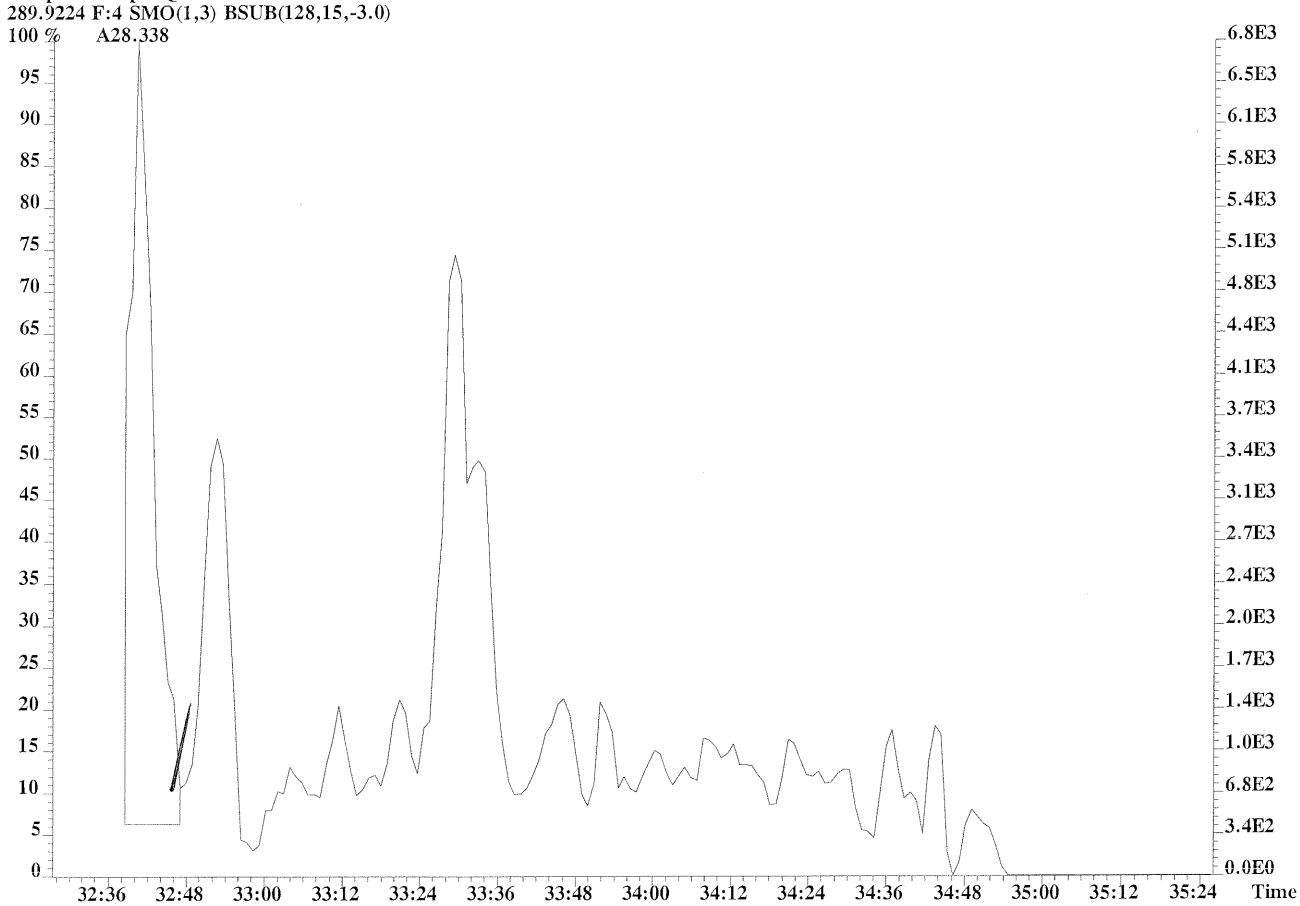
303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1556.0,1.00%,F,T)



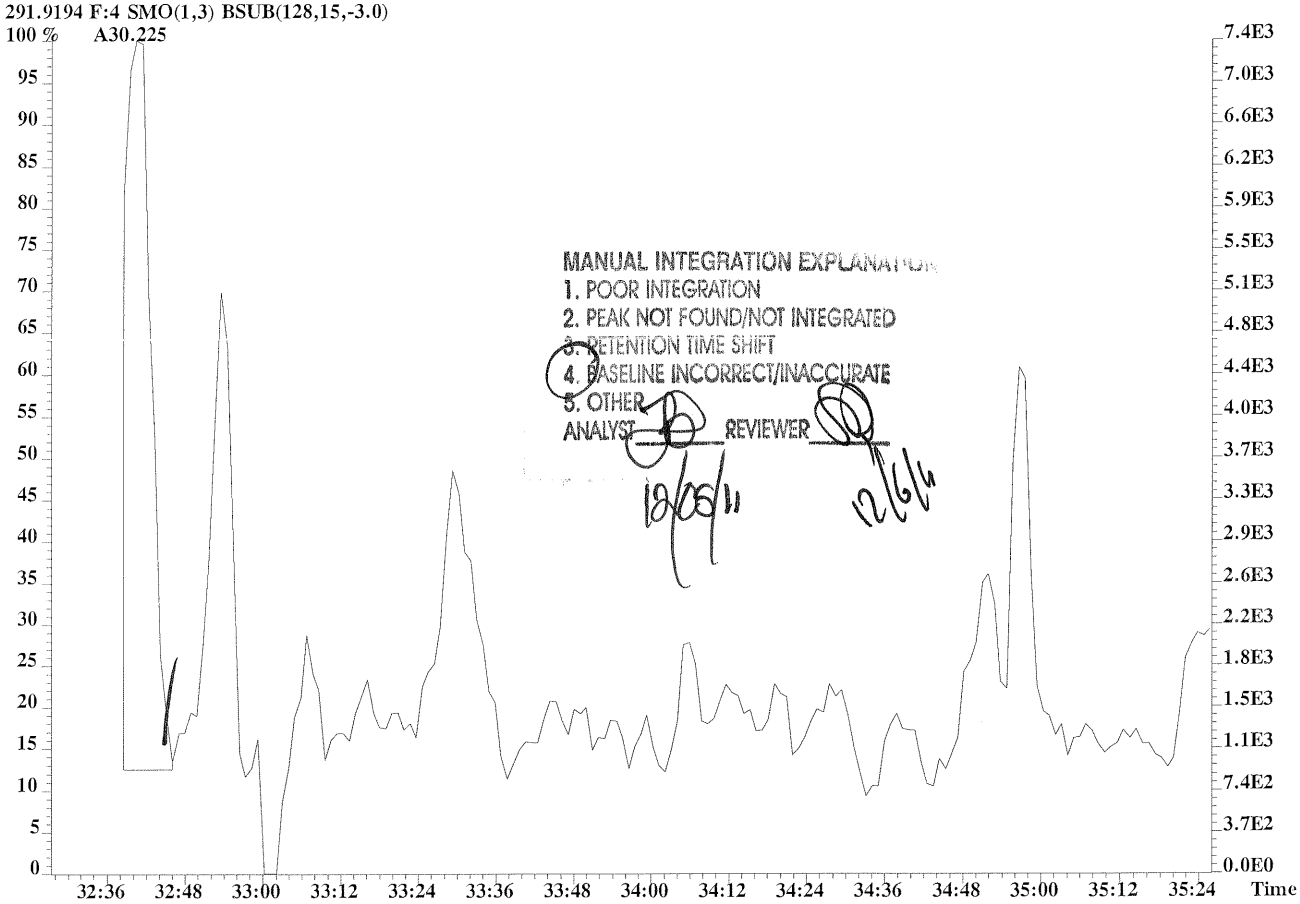
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142162 #1-309 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0)



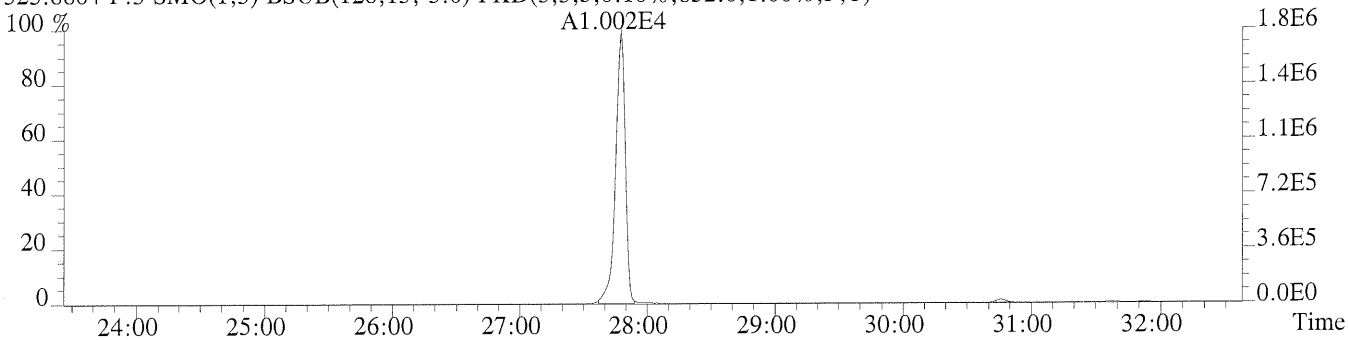
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0)



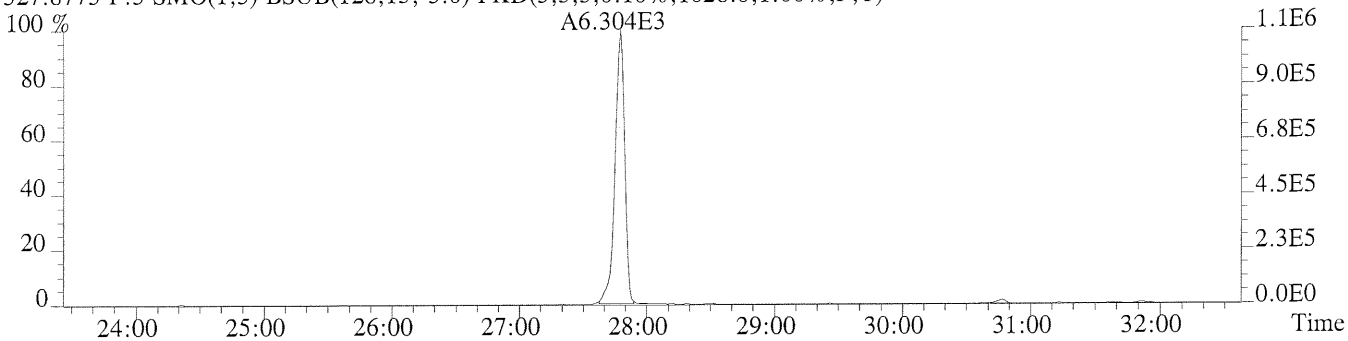
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
12/05/11 12/6/11

File:U142162 #1-588 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

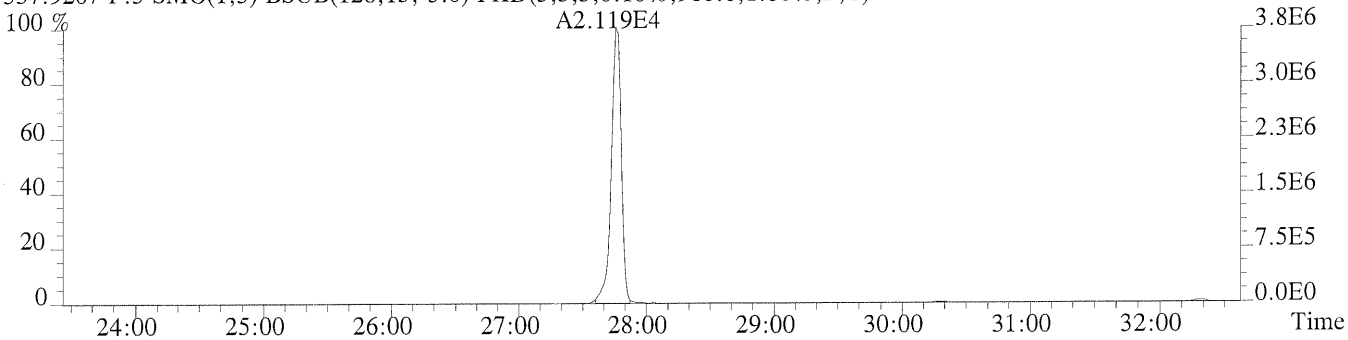
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,852.0,1.00%,F,T)



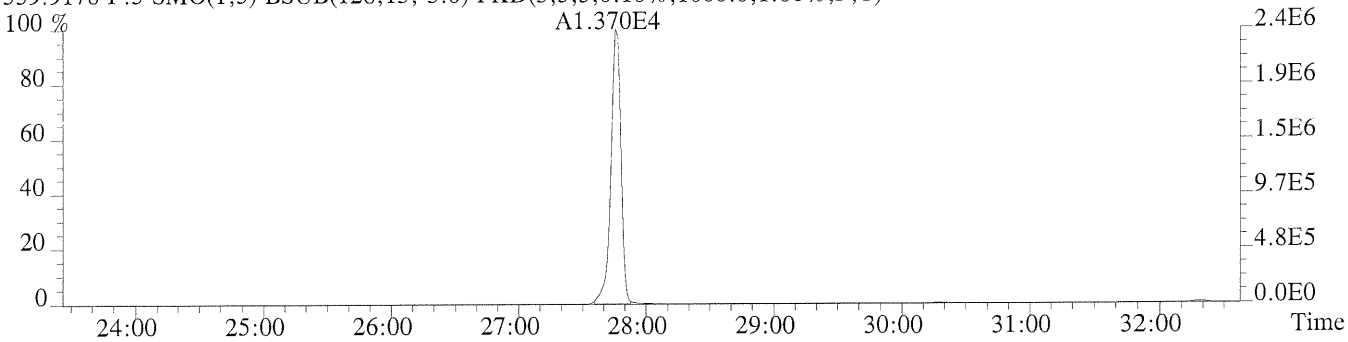
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1028.0,1.00%,F,T)



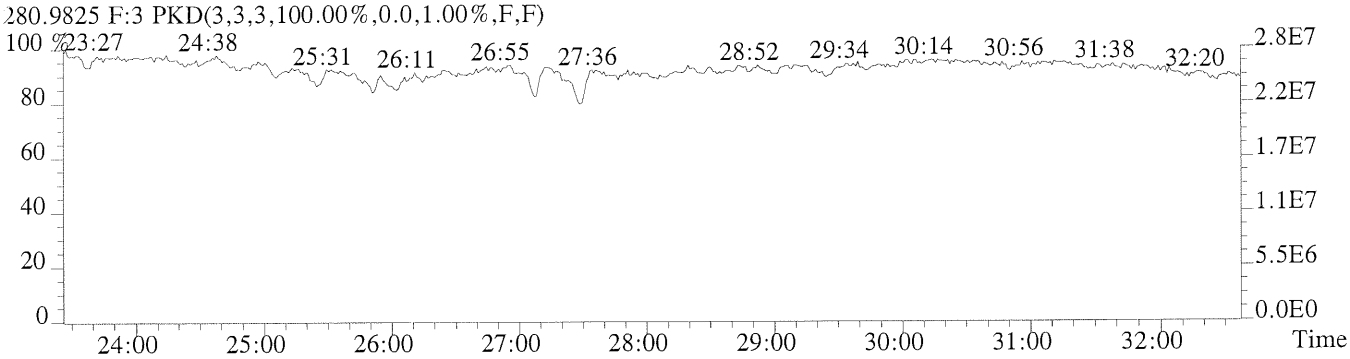
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)

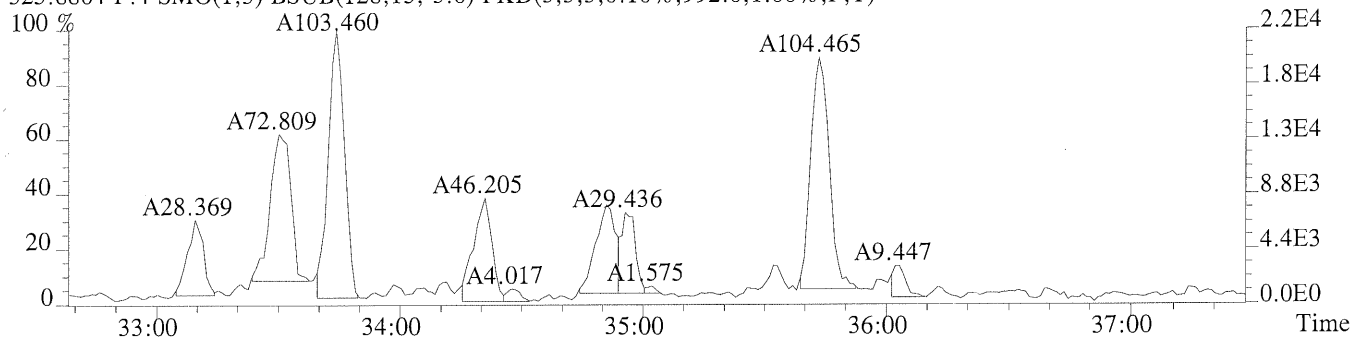


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

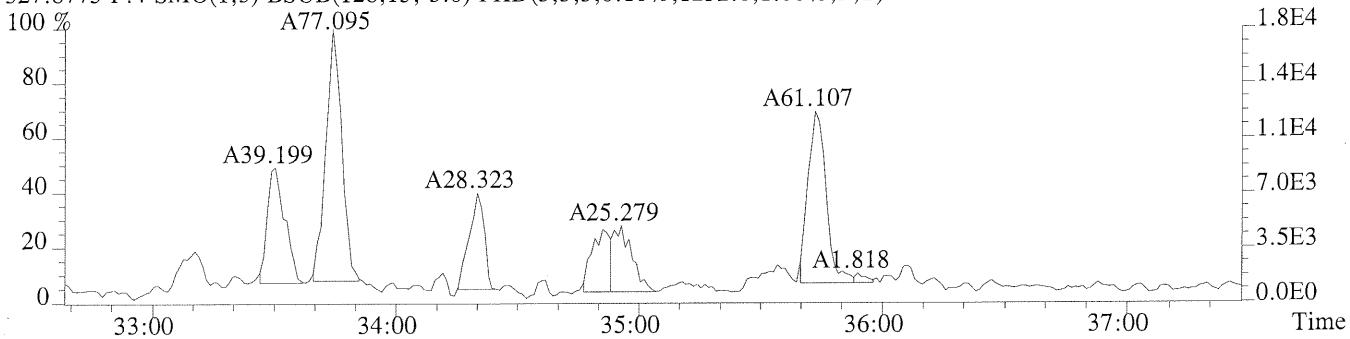


File:U142162 #1-309 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

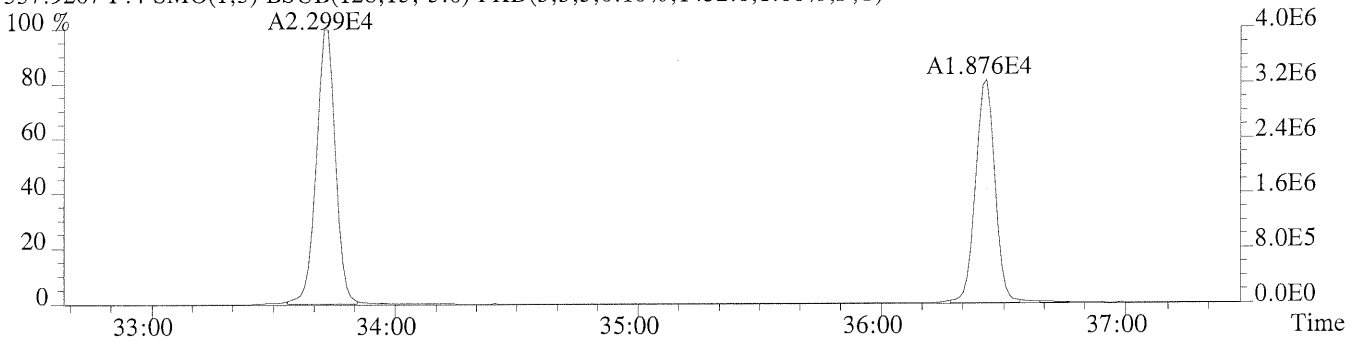
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,992.0,1.00%,F,T)



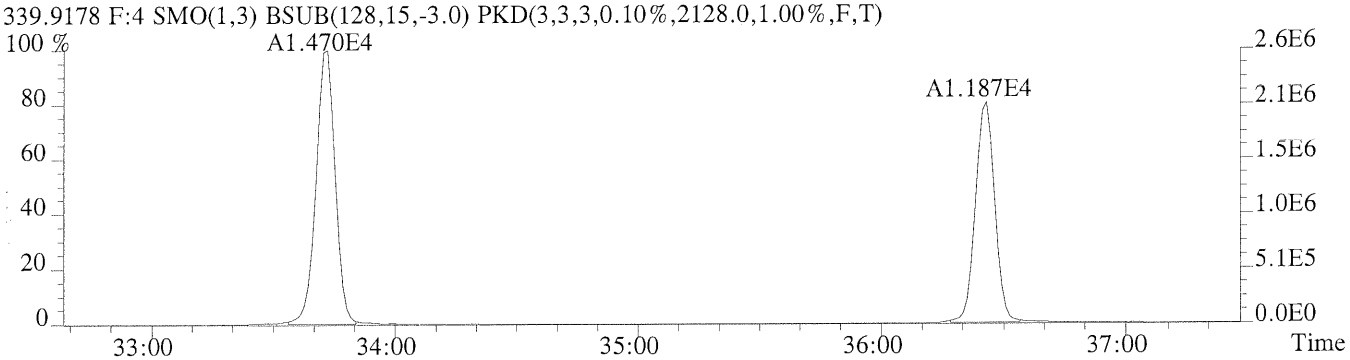
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1232.0,1.00%,F,T)



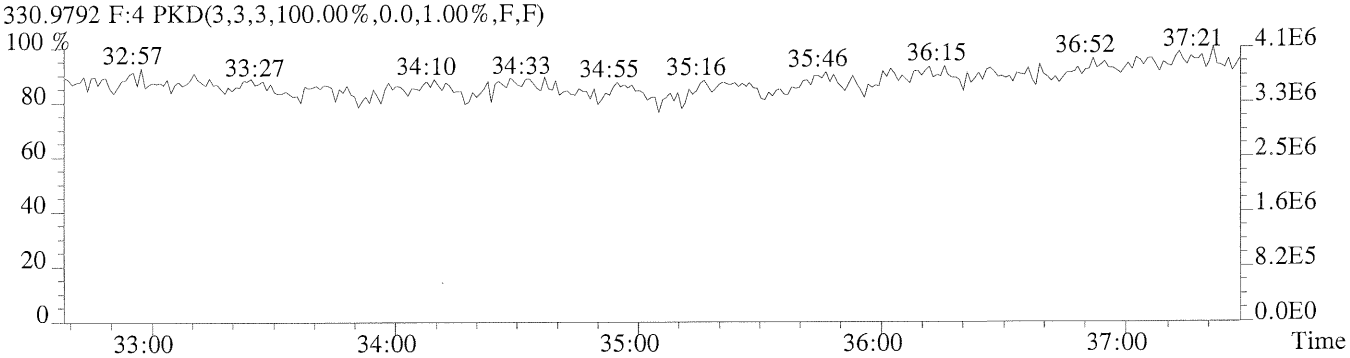
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1452.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2128.0,1.00%,F,T)

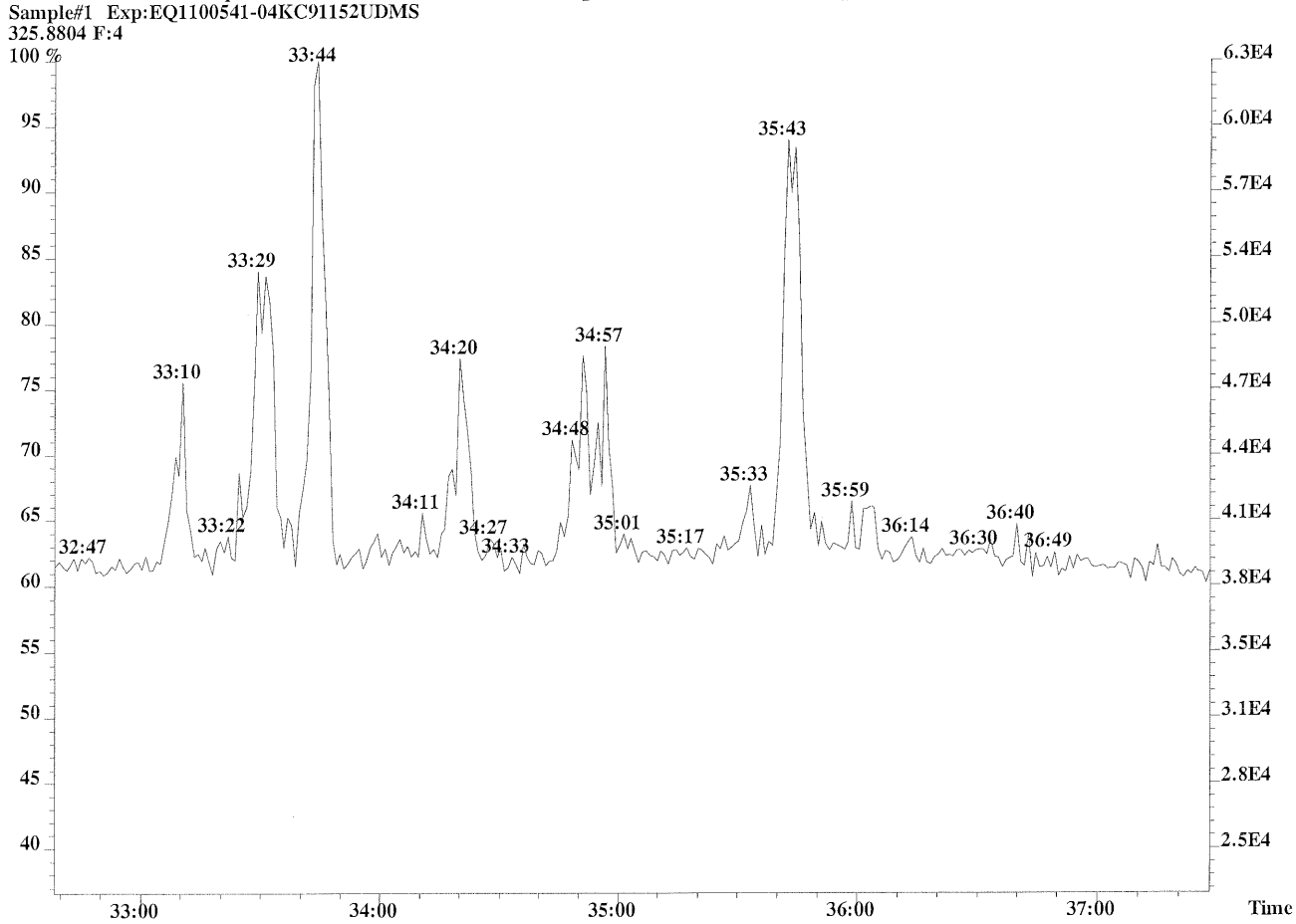


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

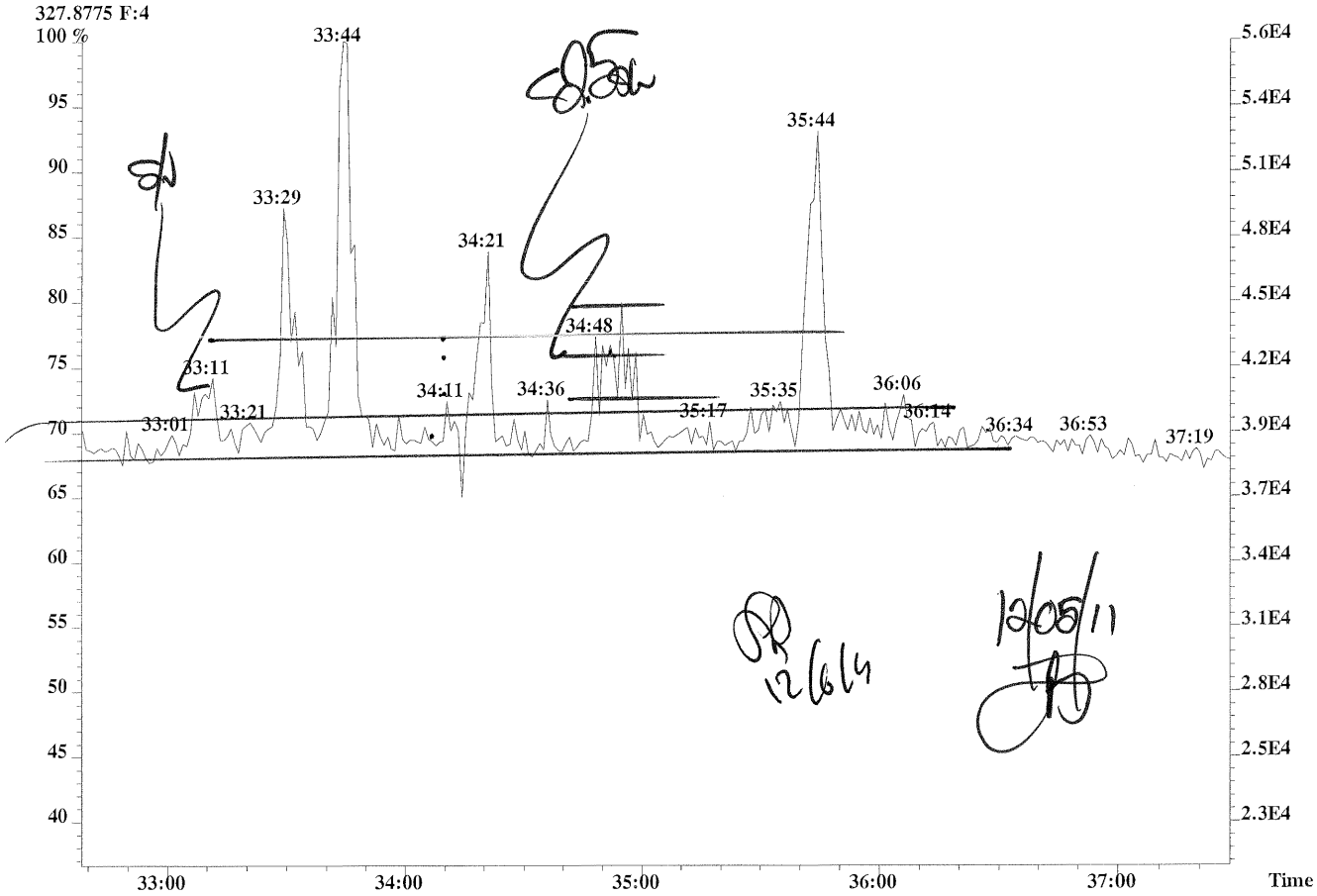


File:U142162 #1-309 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS

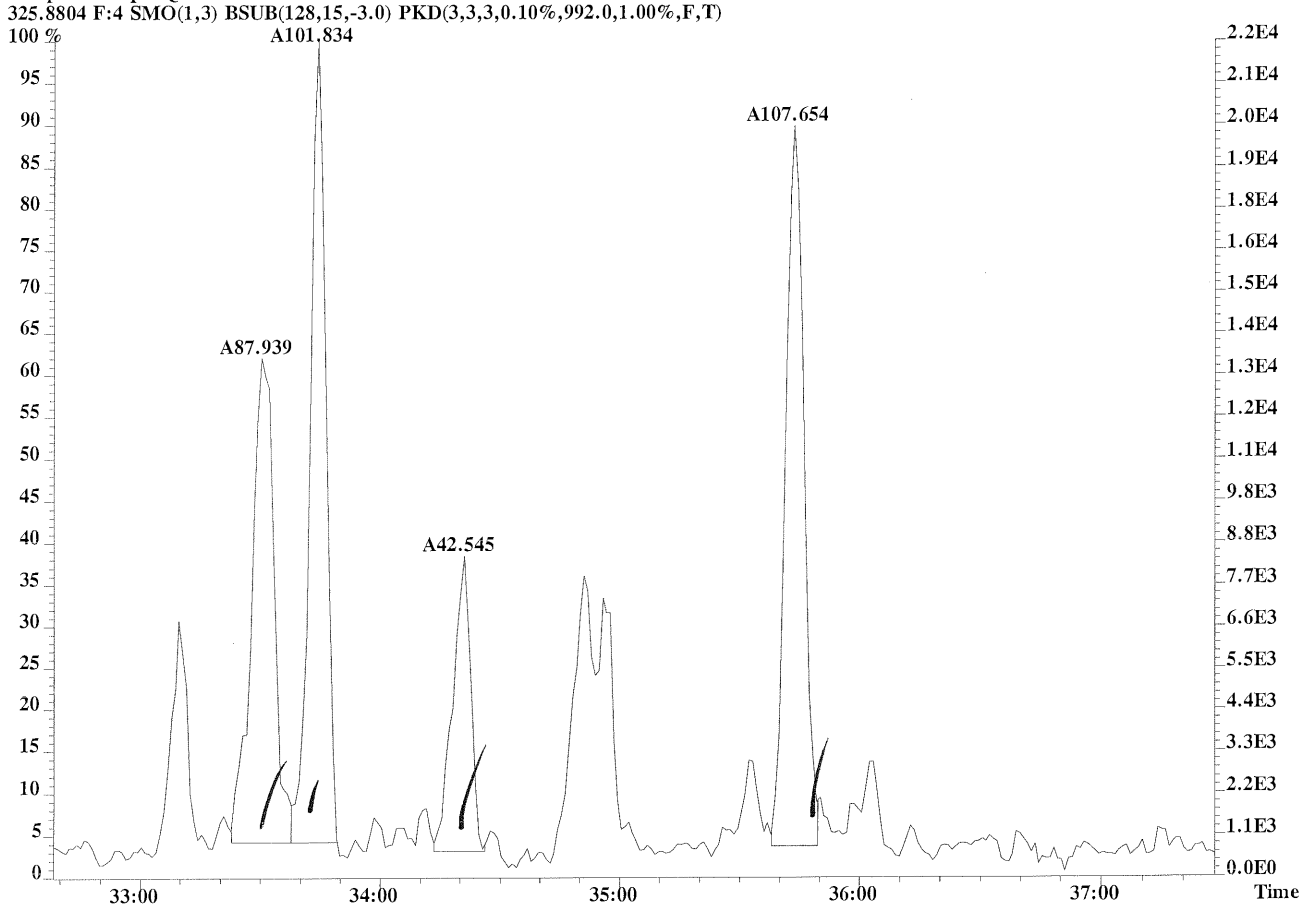
325.8804 F:4



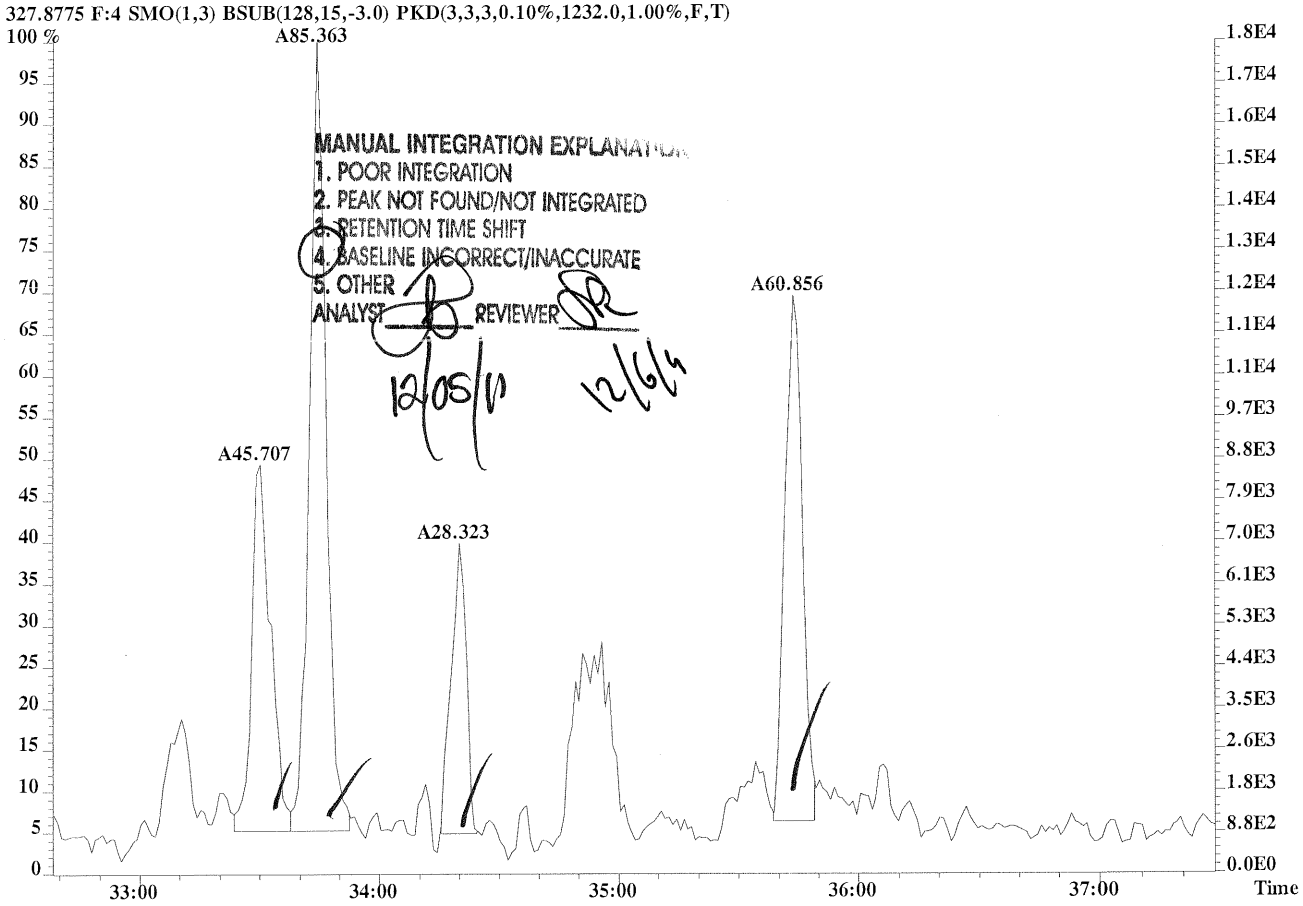
327.8775 F:4



File:U142162 #1-309 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,992.0,1.00%,F,T)



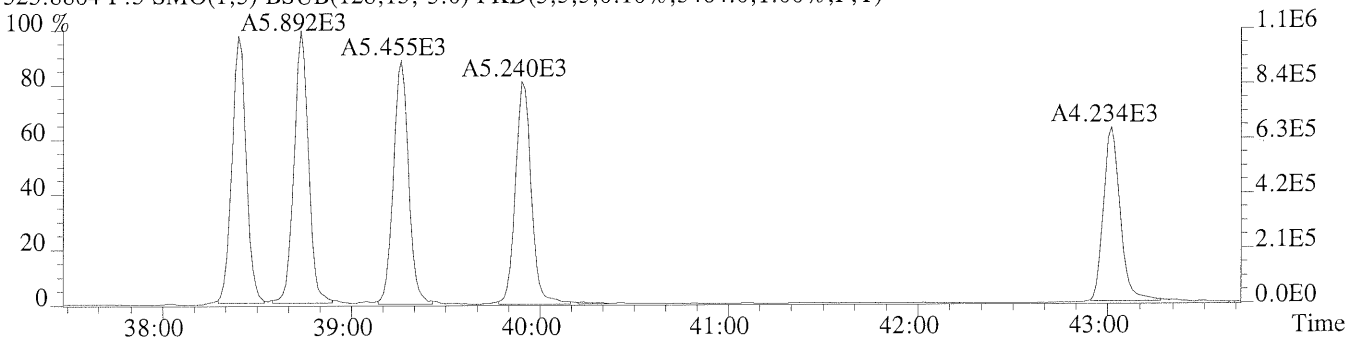
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1232.0,1.00%,F,T)



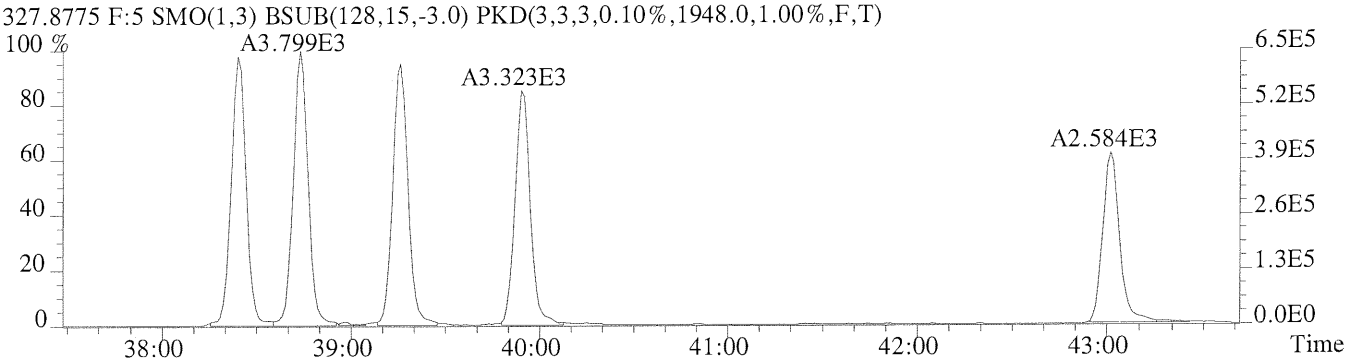
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST ___ REVIEWER ___
12/05/11 12/6/11

File:U142162 #1-398 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

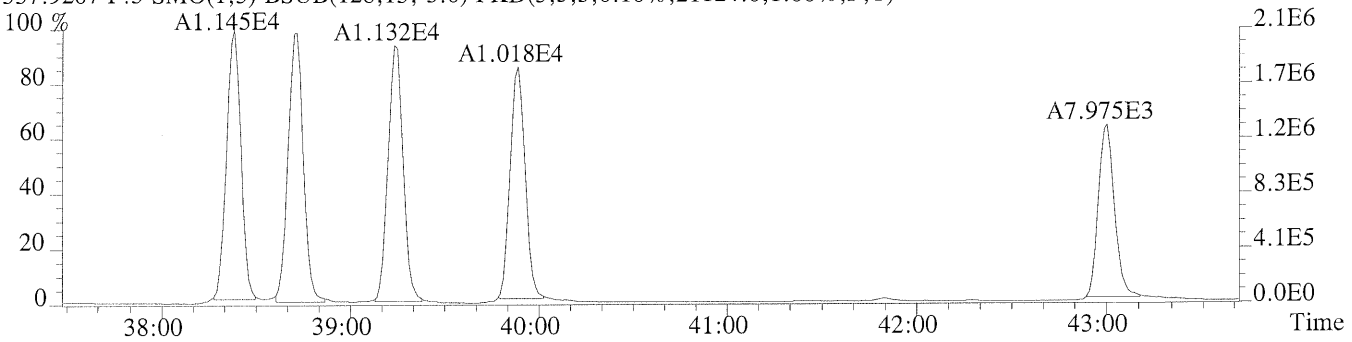
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5464.0,1.00%,F,T)



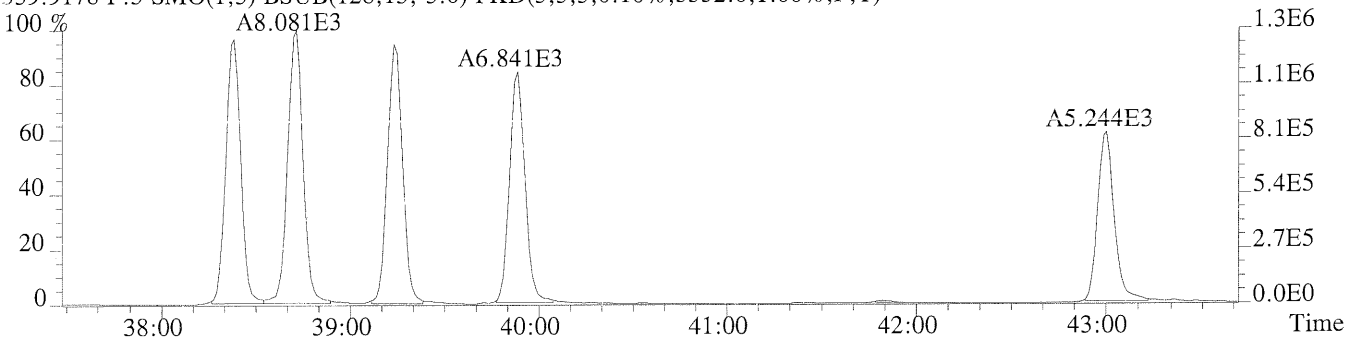
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1948.0,1.00%,F,T)



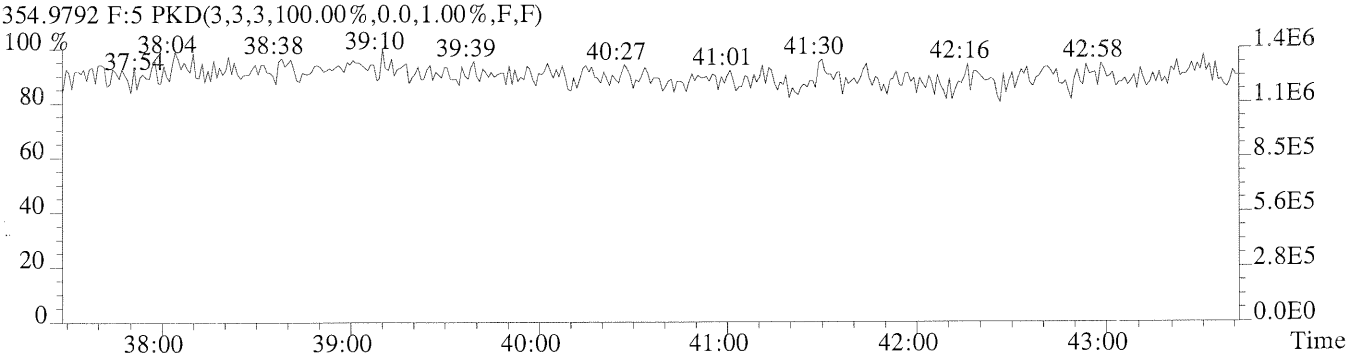
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,21124.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5532.0,1.00%,F,T)

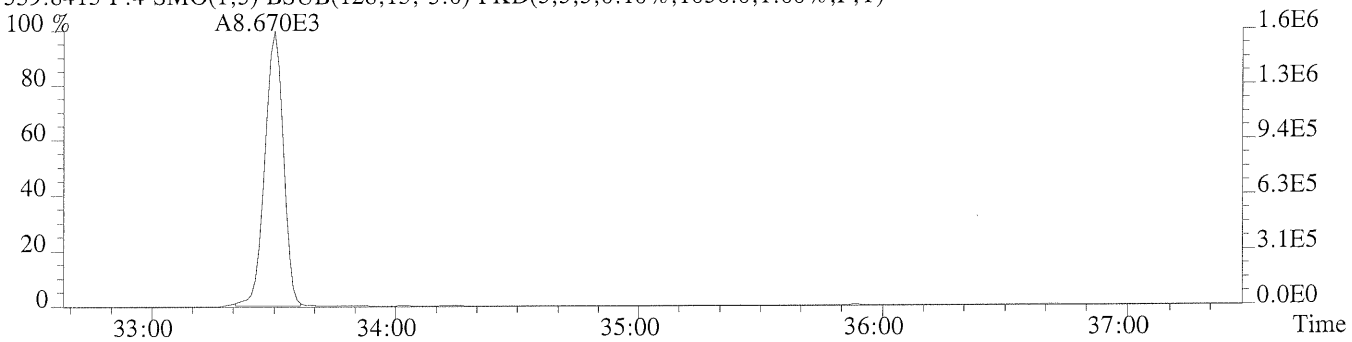


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

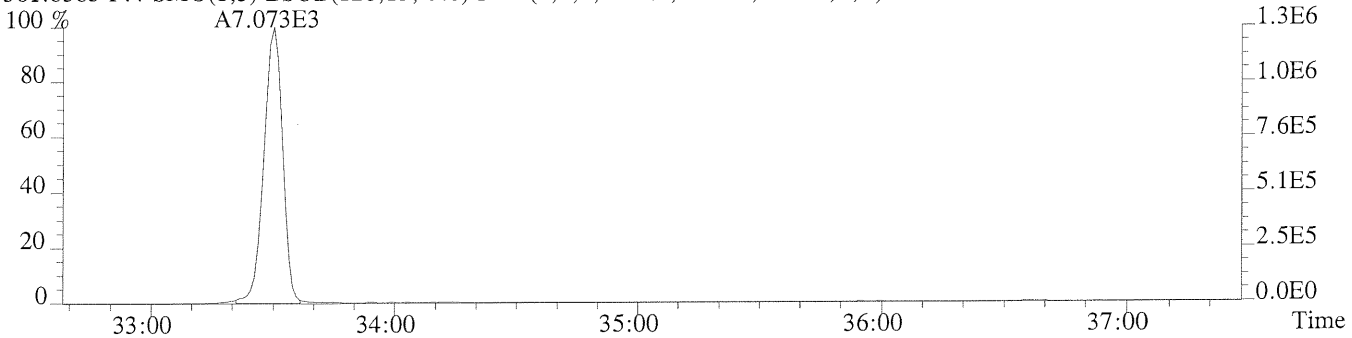


File:U142162 #1-309 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

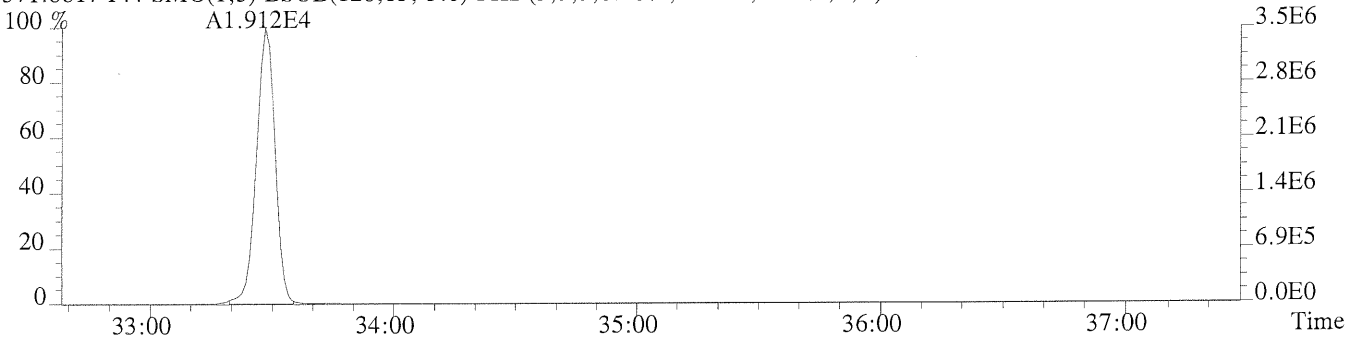
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1036.0,1.00%,F,T)



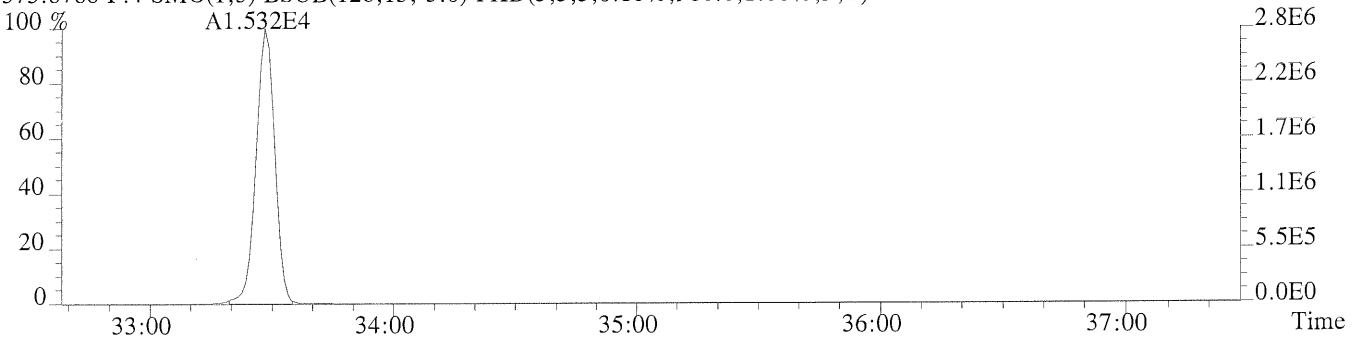
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1020.0,1.00%,F,T)



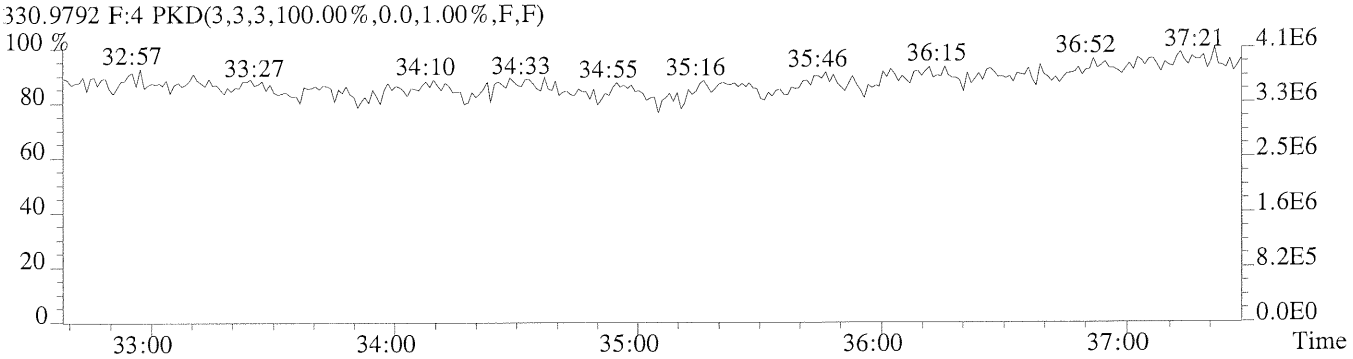
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1616.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,988.0,1.00%,F,T)

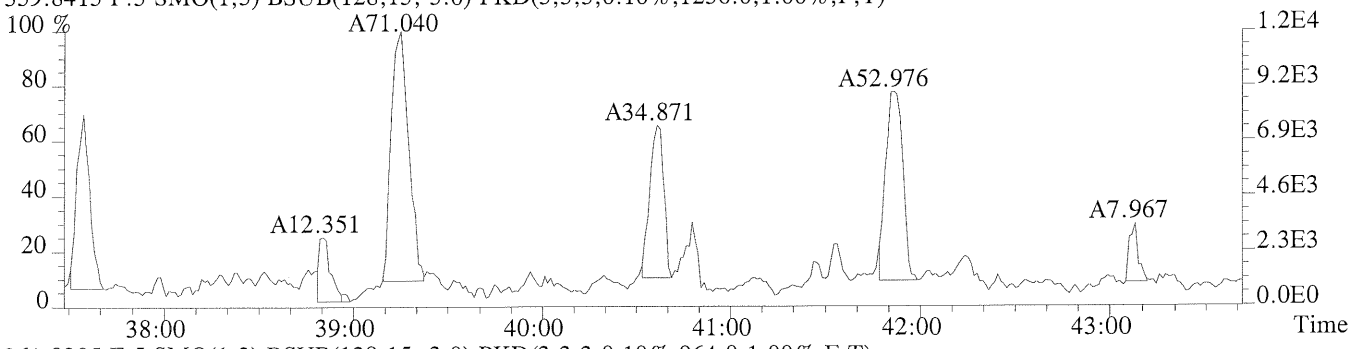


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

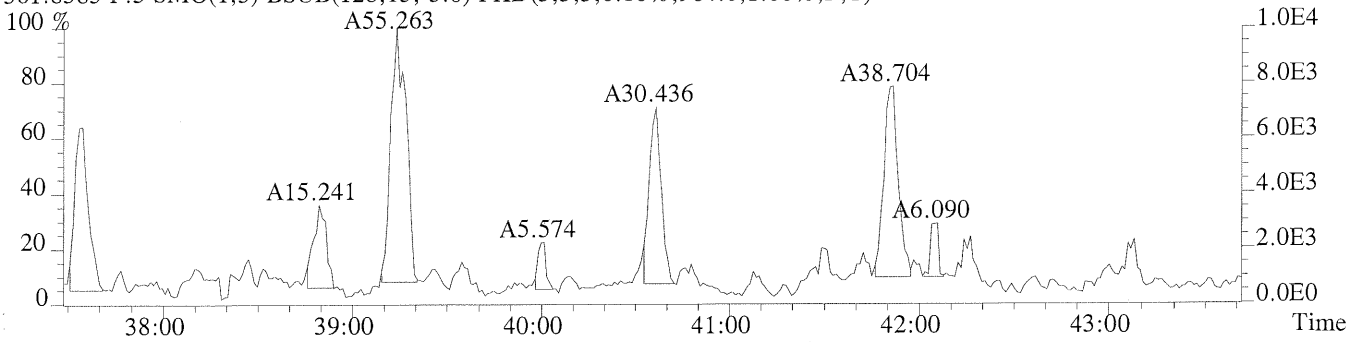


File:U142162 #1-398 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

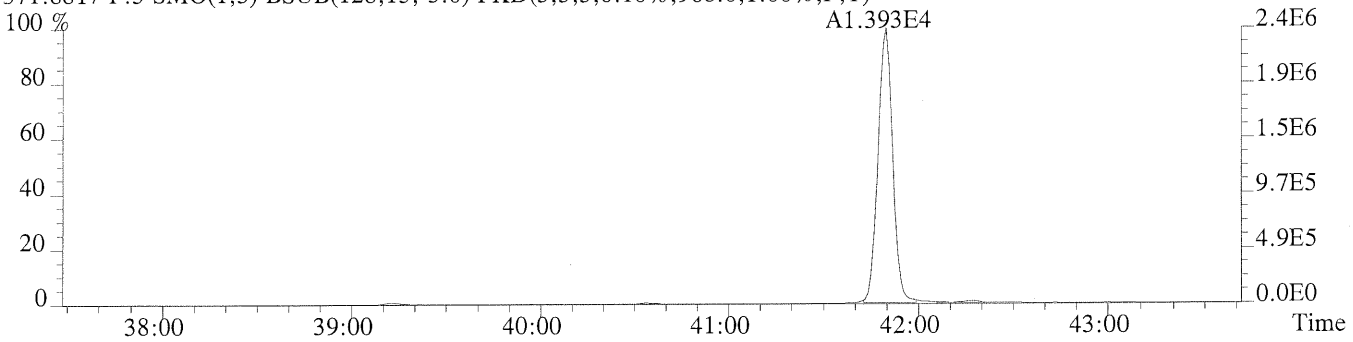
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1236.0,1.00%,F,T)



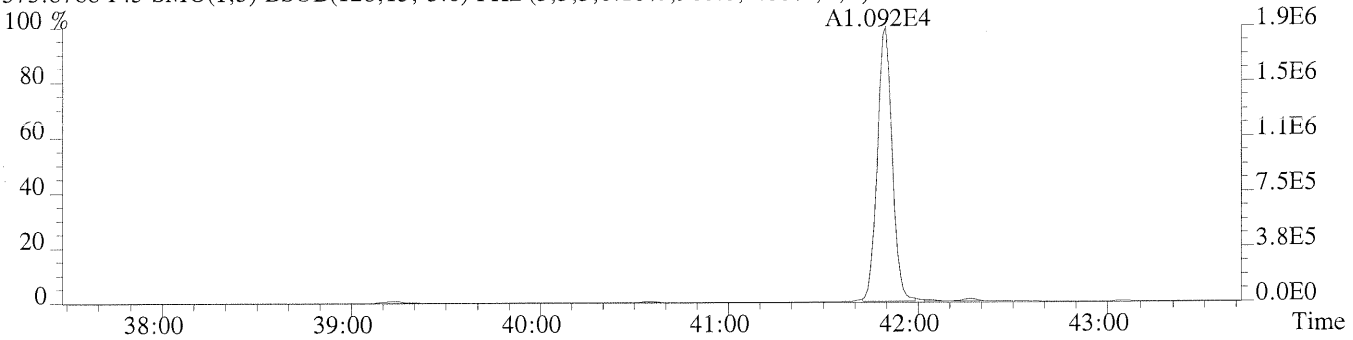
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



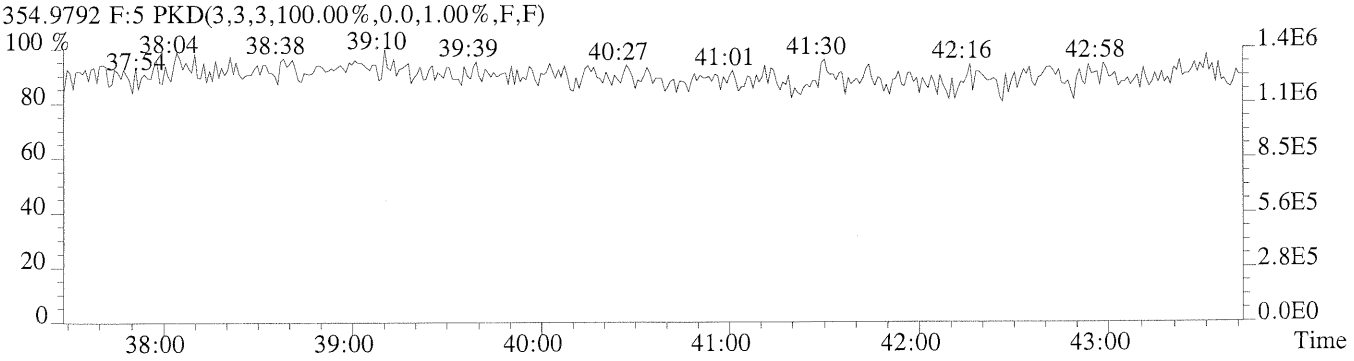
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



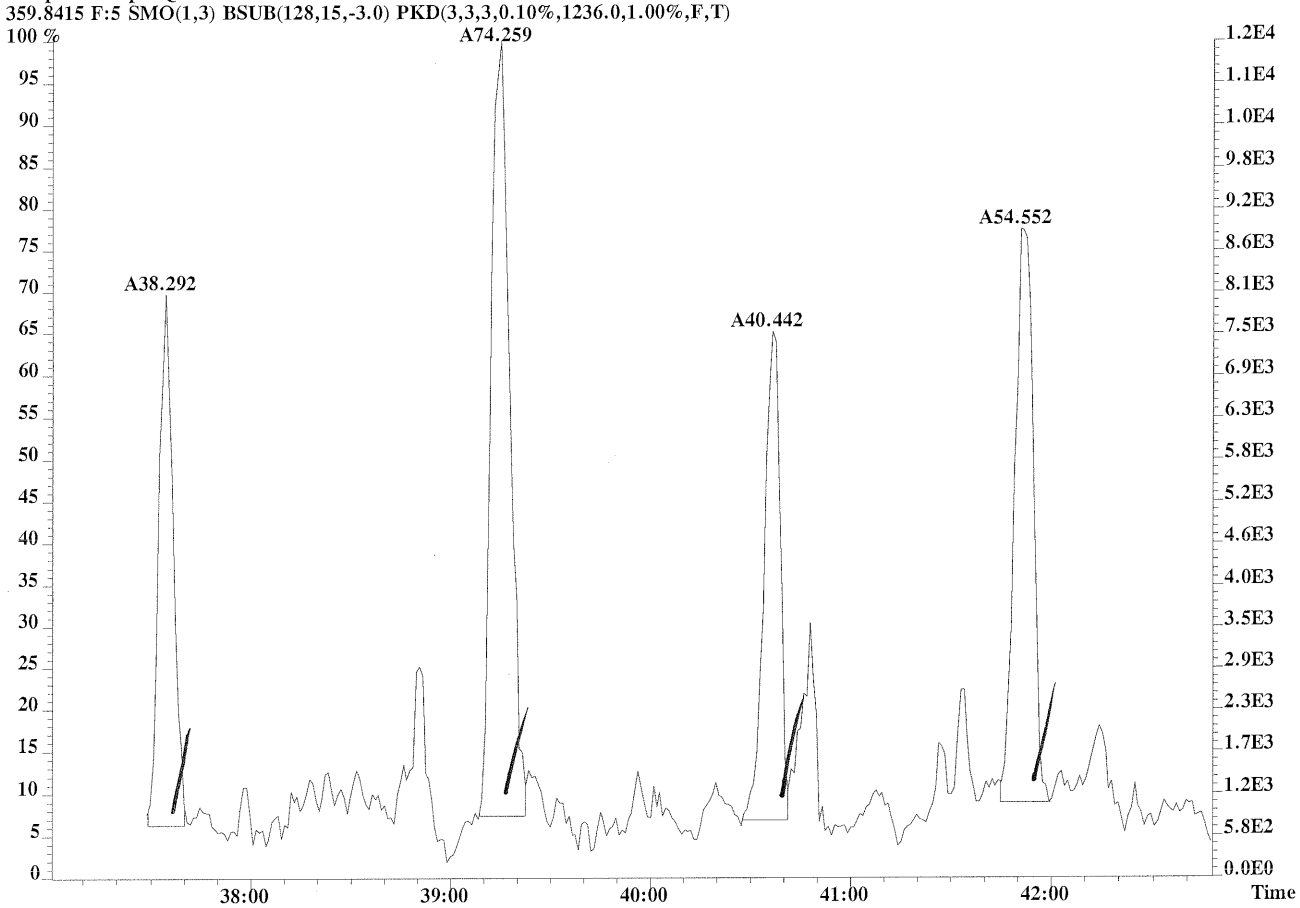
373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



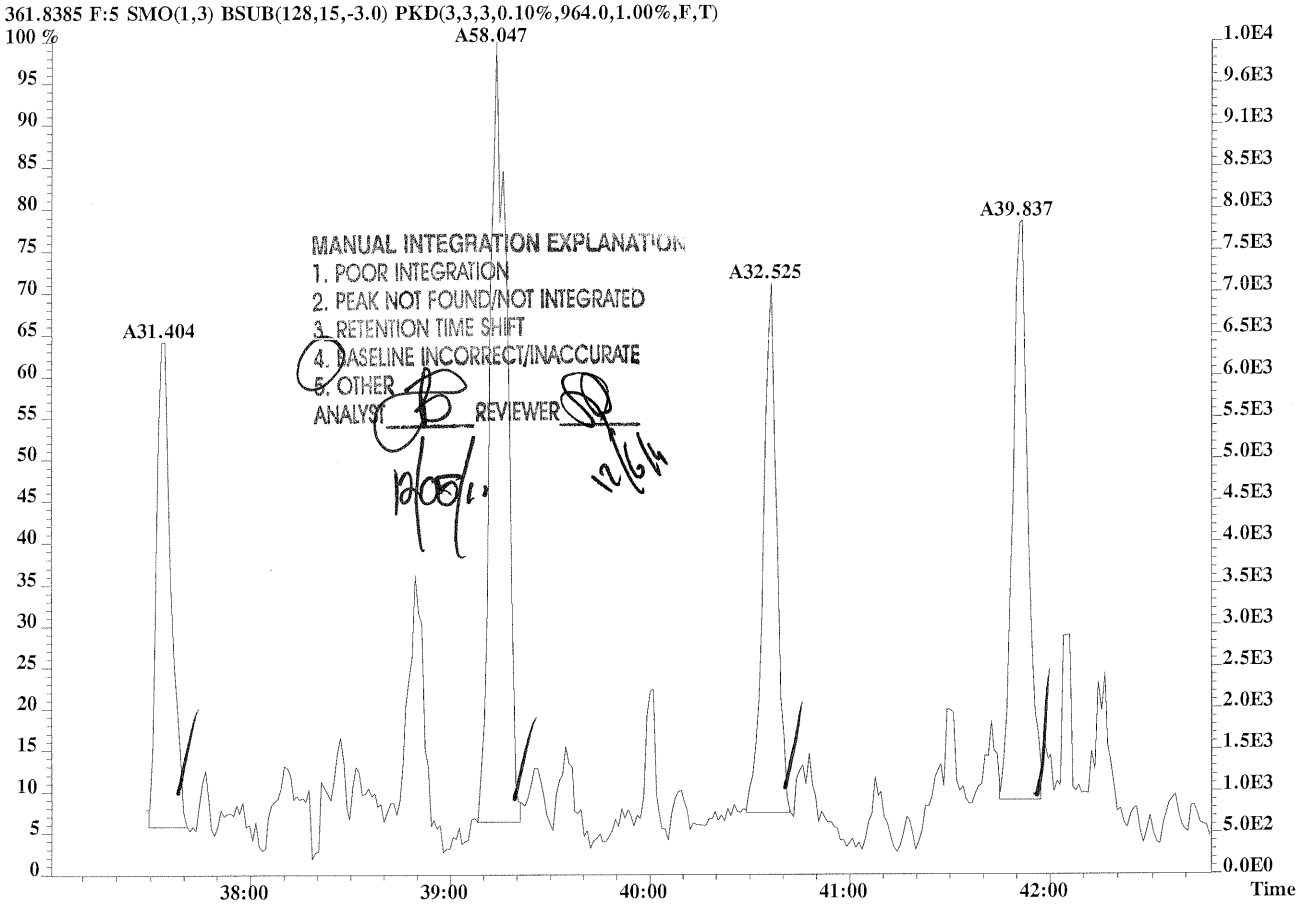
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142162 #1-398 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1236.0,1.00%,F,T)



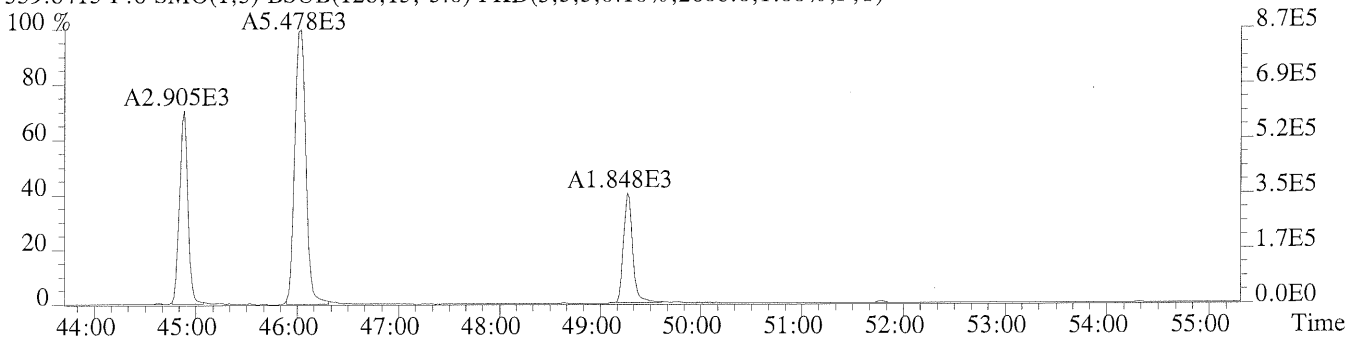
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



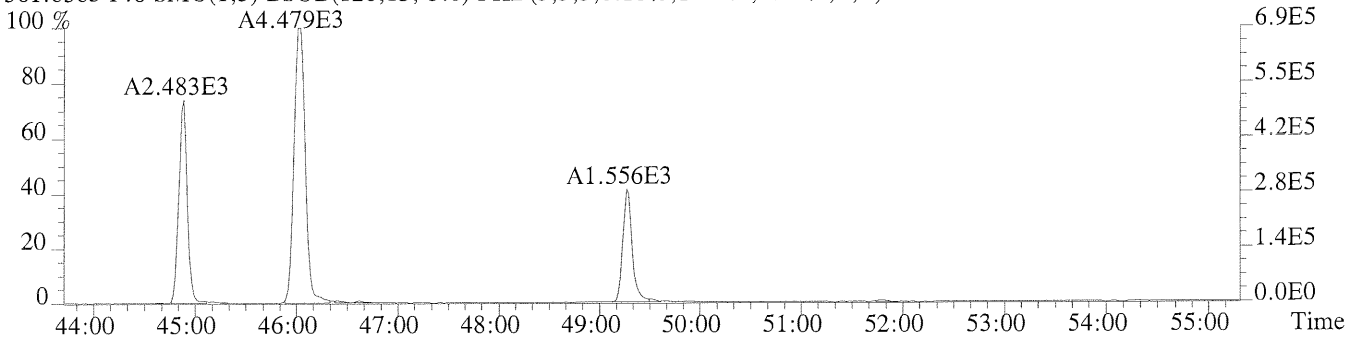
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
12/05/11 12/6/11

File:U142162 #1-575 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

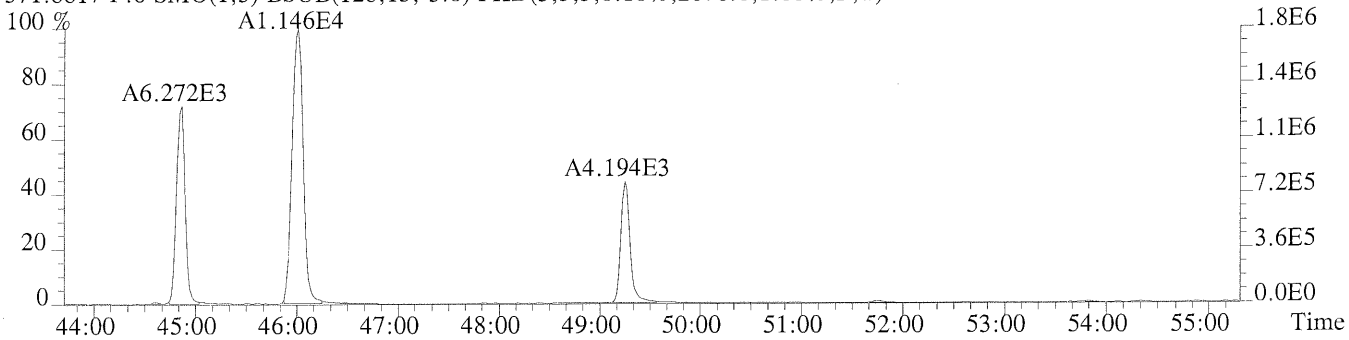
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2608.0,1.00%,F,T)



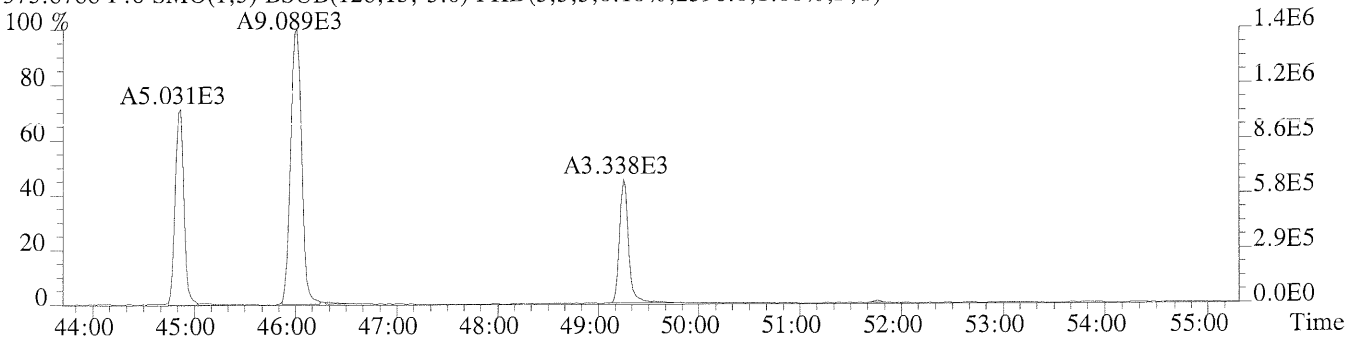
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1472.0,1.00%,F,T)



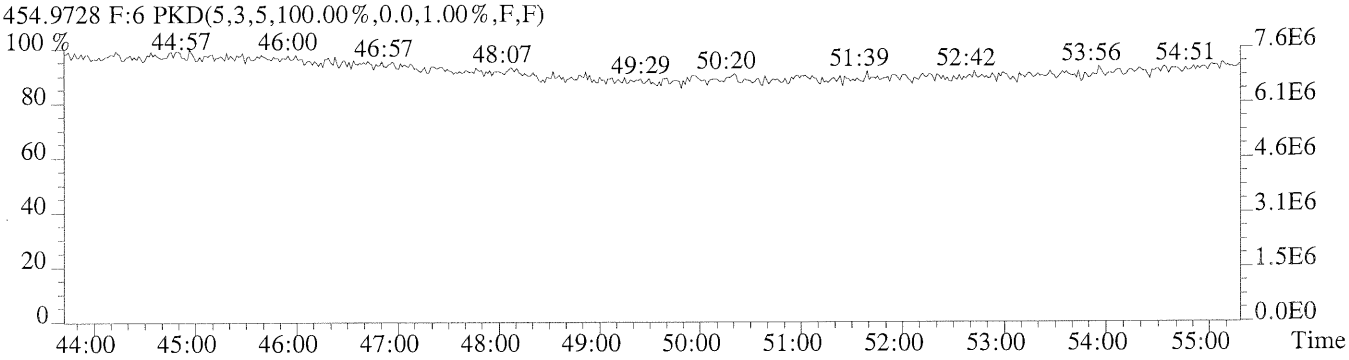
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2676.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2396.0,1.00%,F,T)

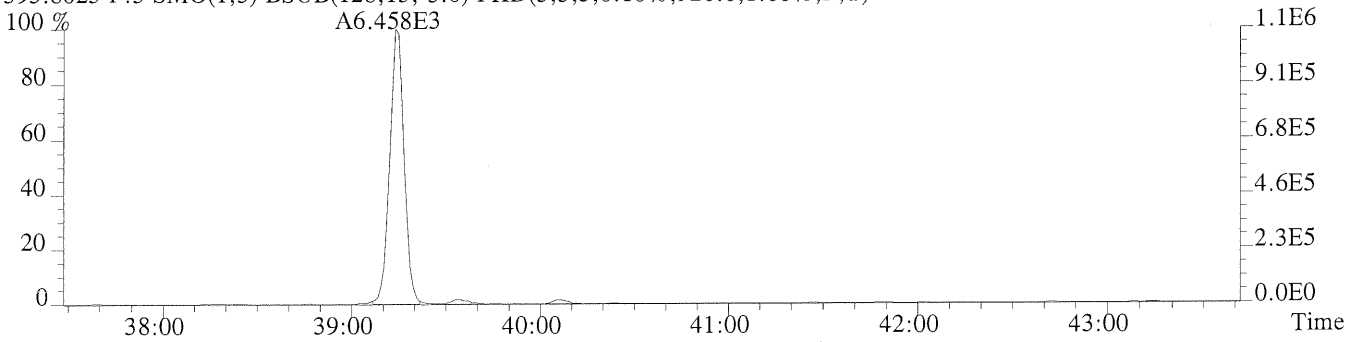


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

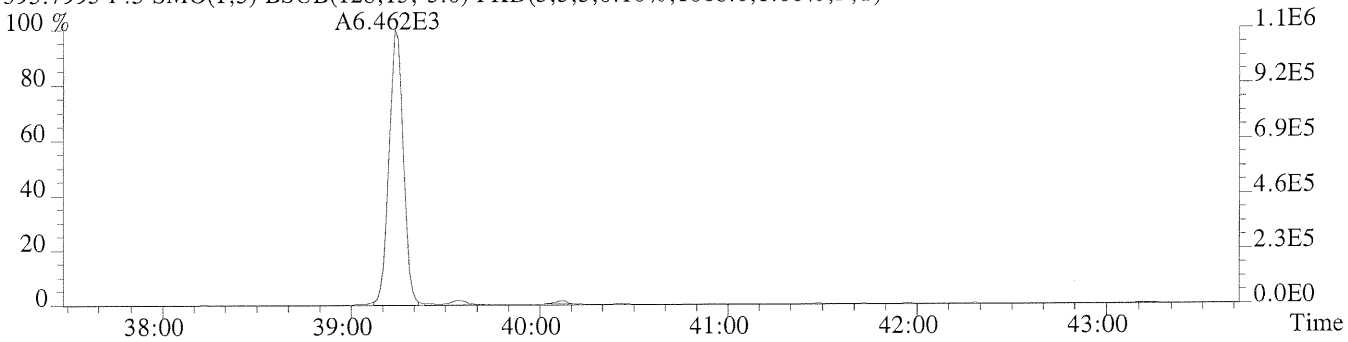


File:U142162 #1-398 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

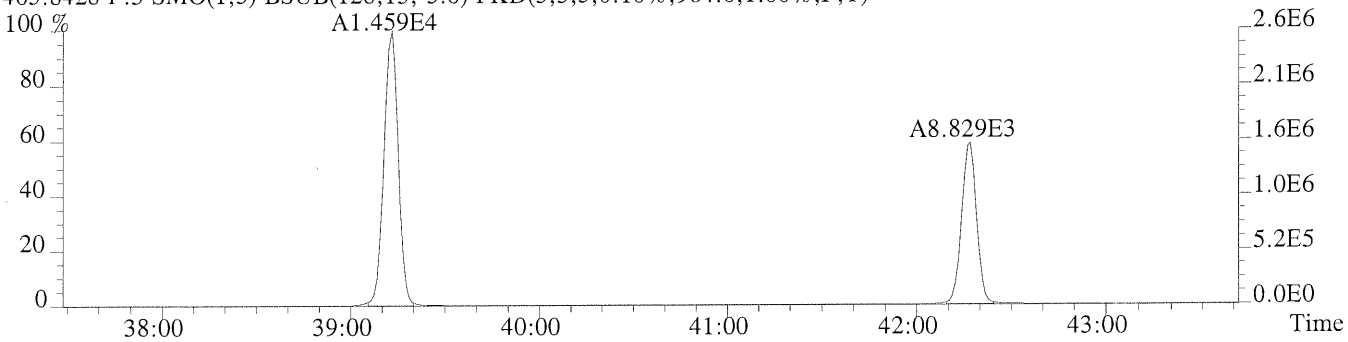
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,920.0,1.00%,F,T)



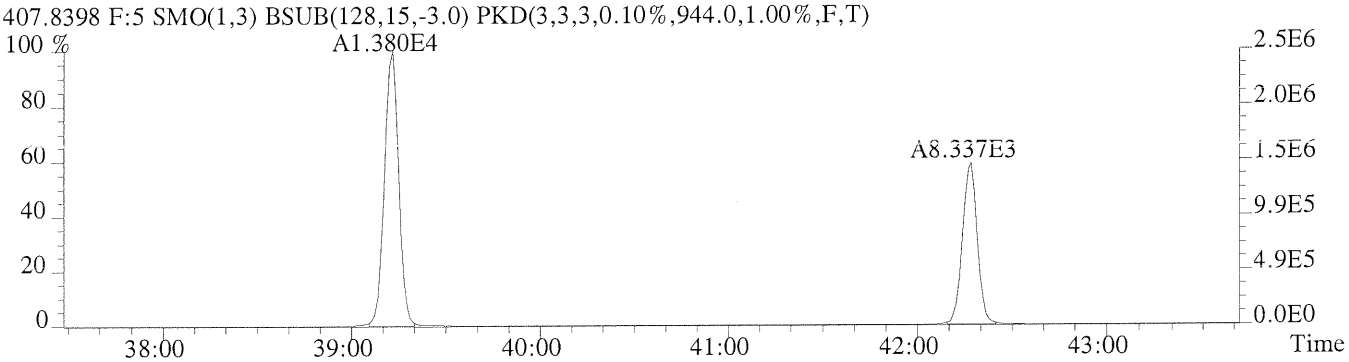
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1068.0,1.00%,F,T)



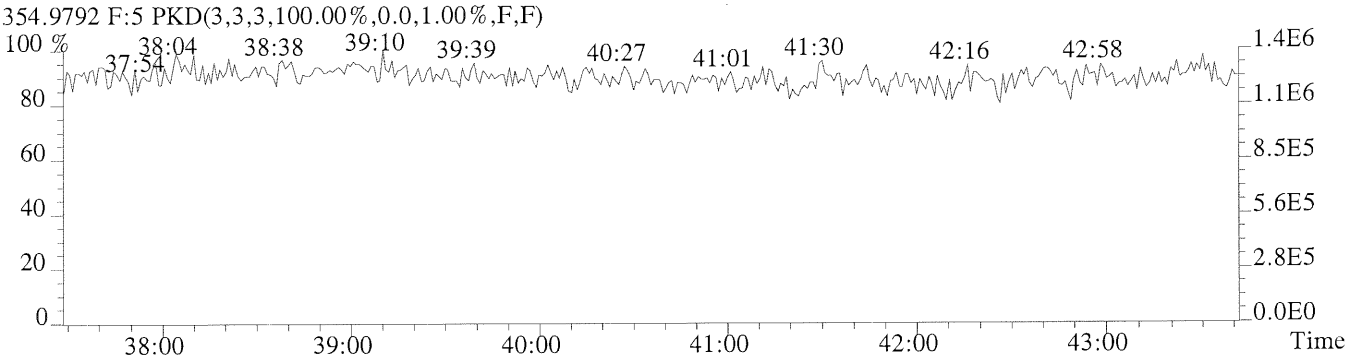
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)

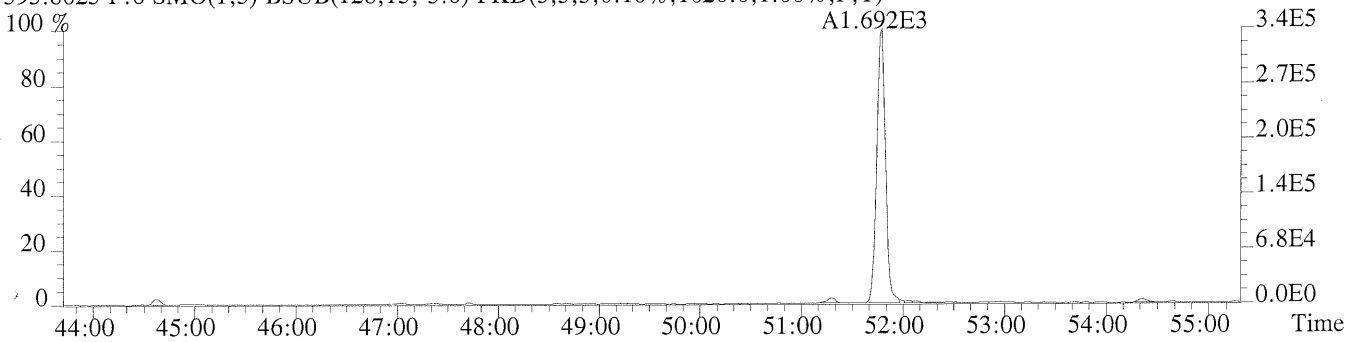


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

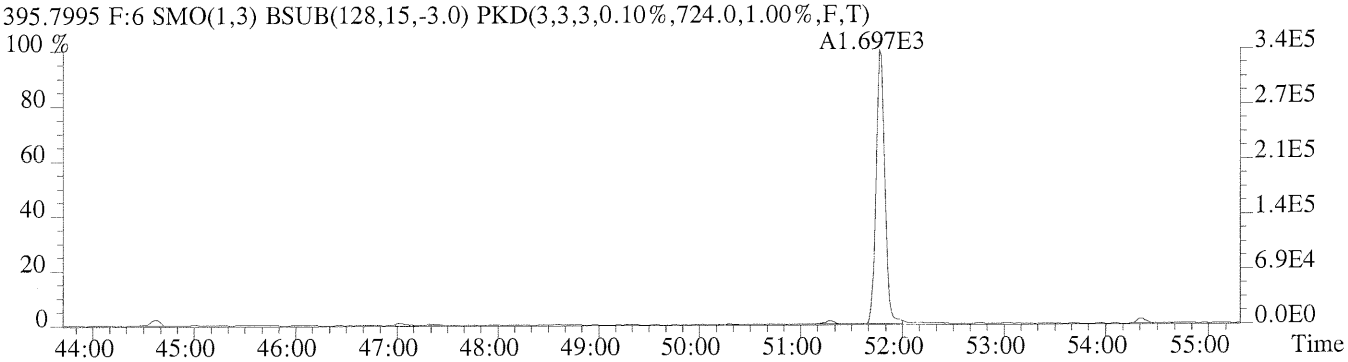


File:U142162 #1-575 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

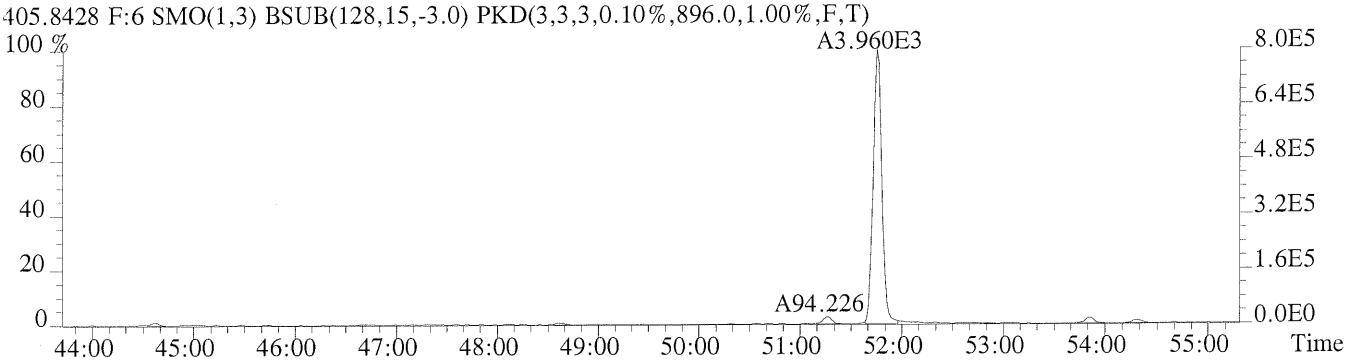
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1020.0,1.00%,F,T)



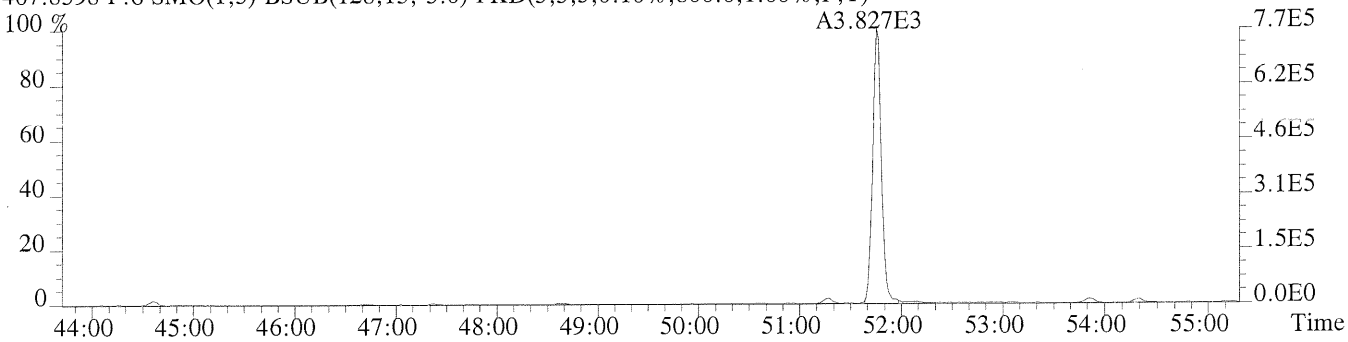
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)



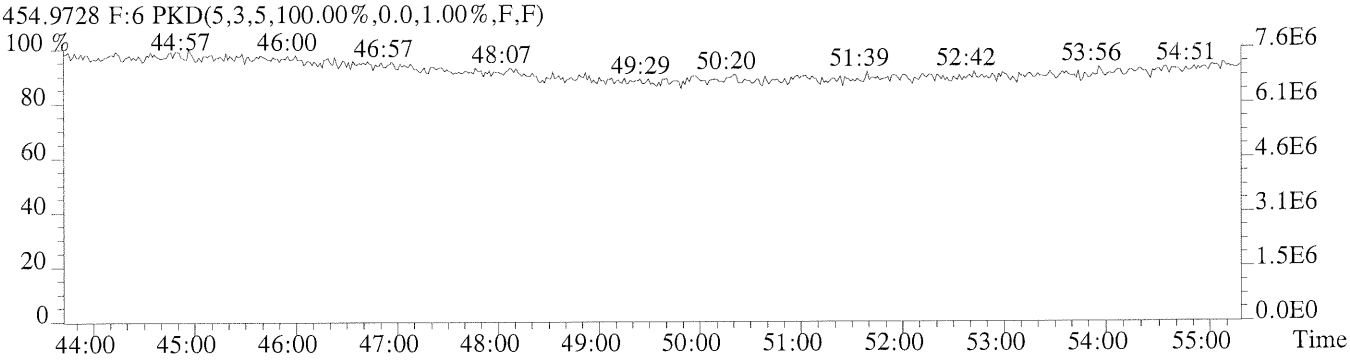
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)



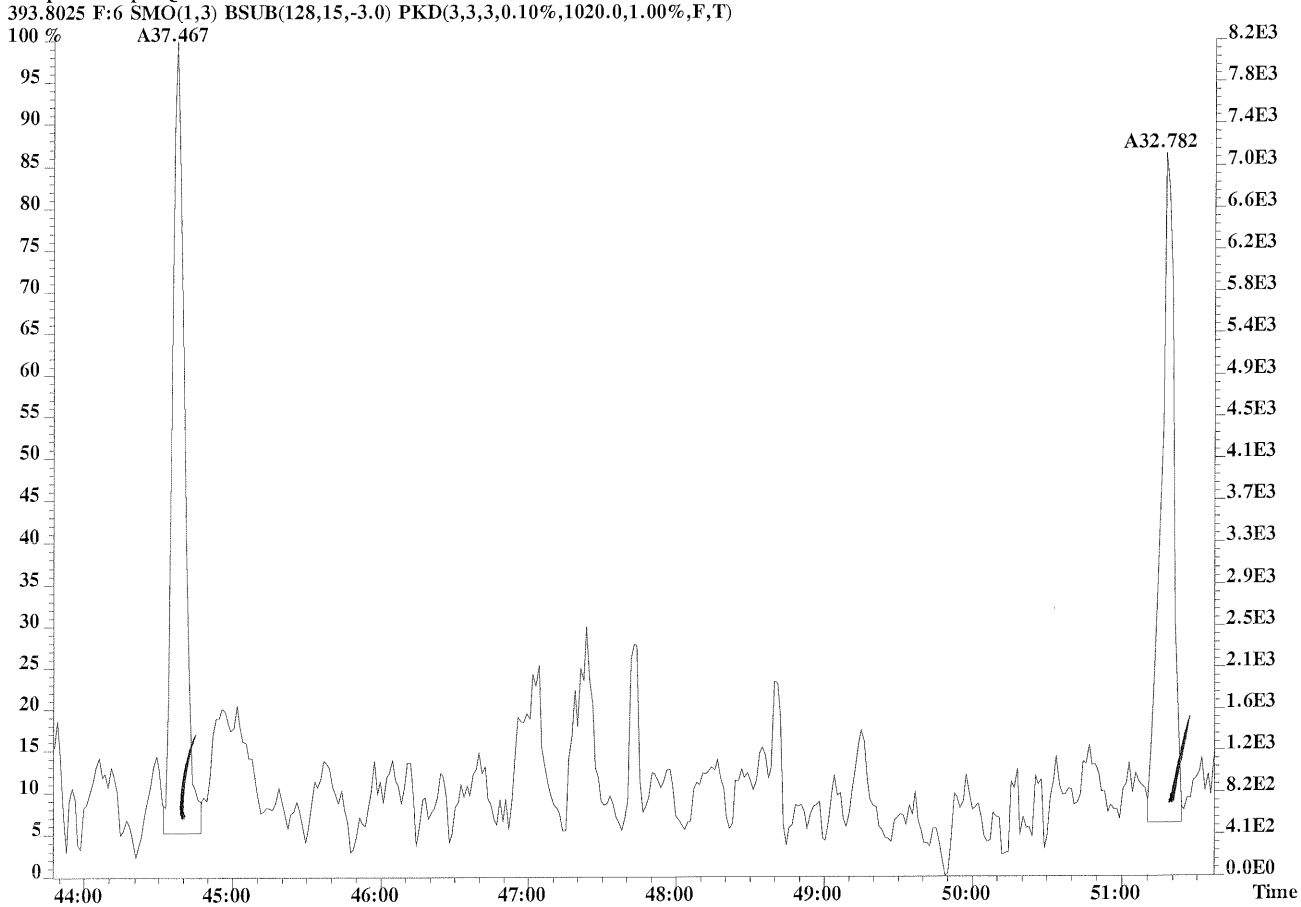
407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,800.0,1.00%,F,T)



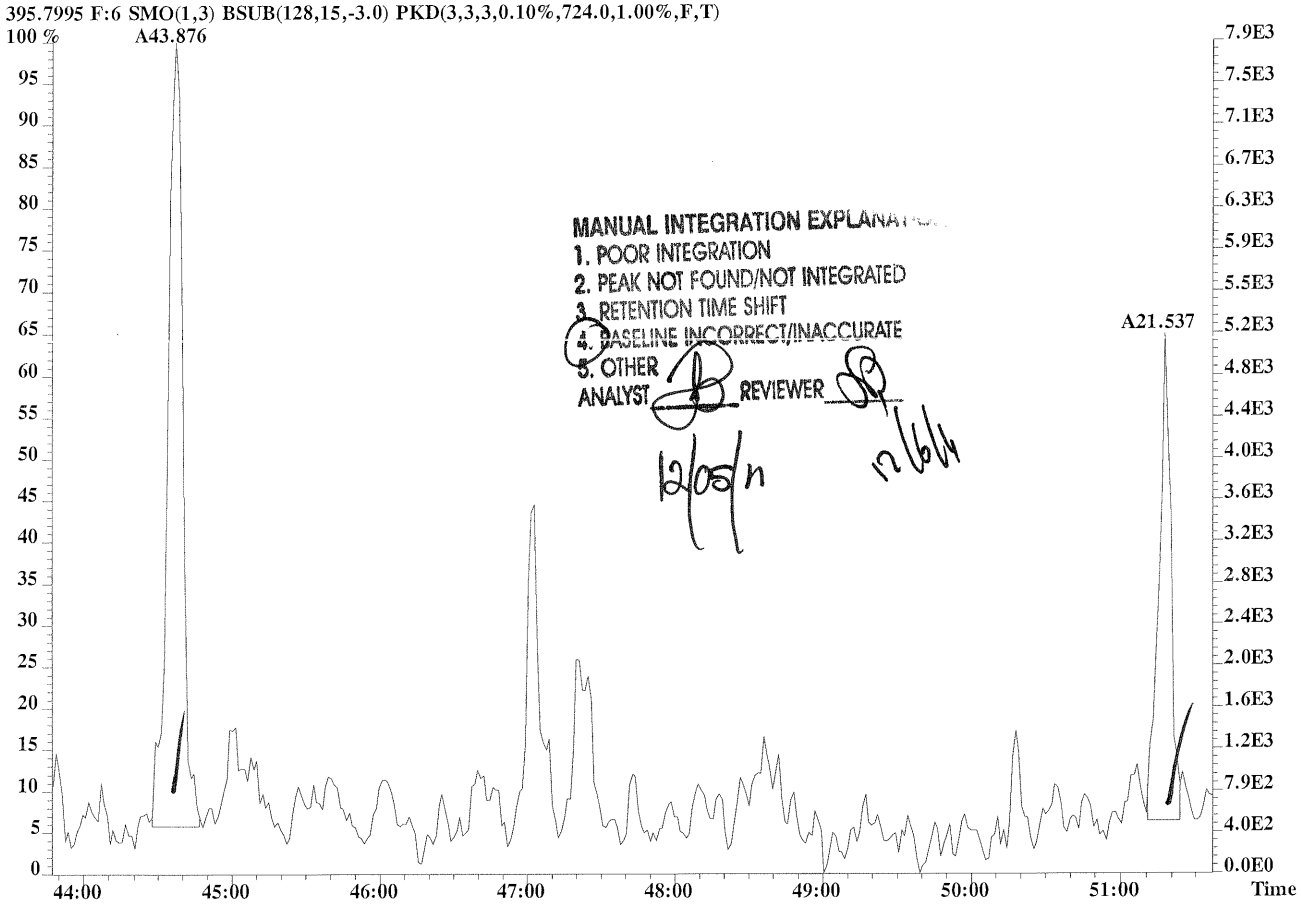
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



File:U142162 #1-575 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1020.0,1.00%,F,T)



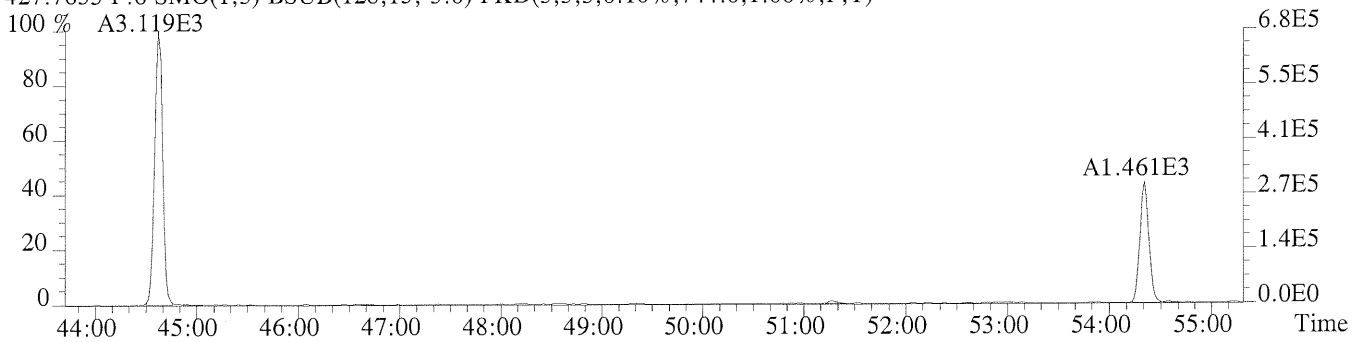
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)



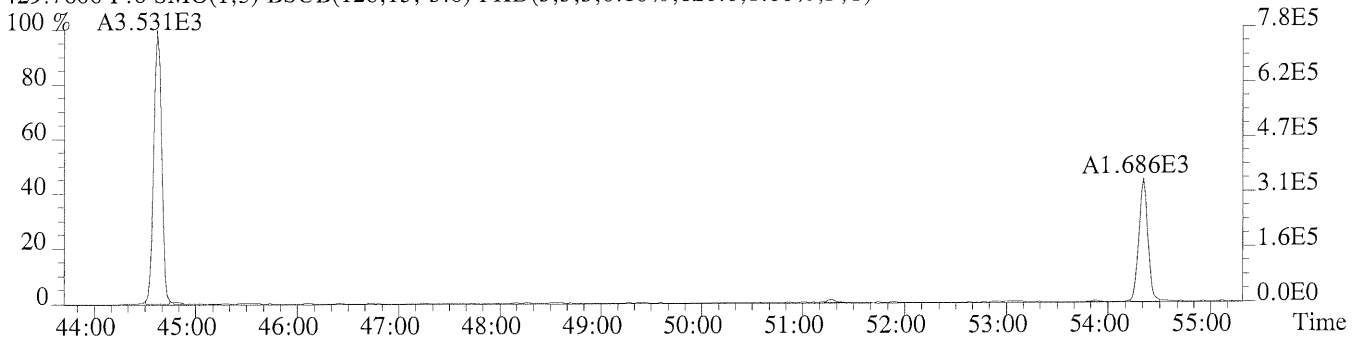
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
12/05/11 12/6/11

File:U142162 #1-575 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

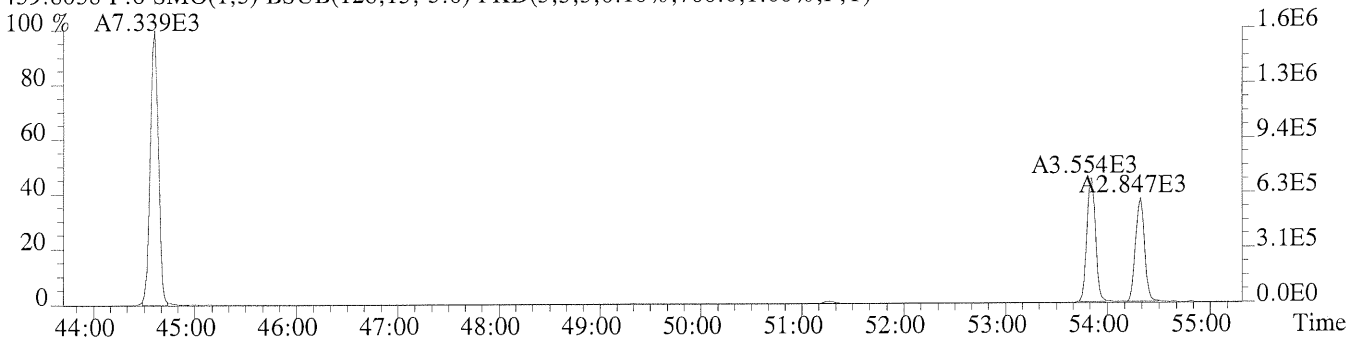
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,744.0,1.00%,F,T)



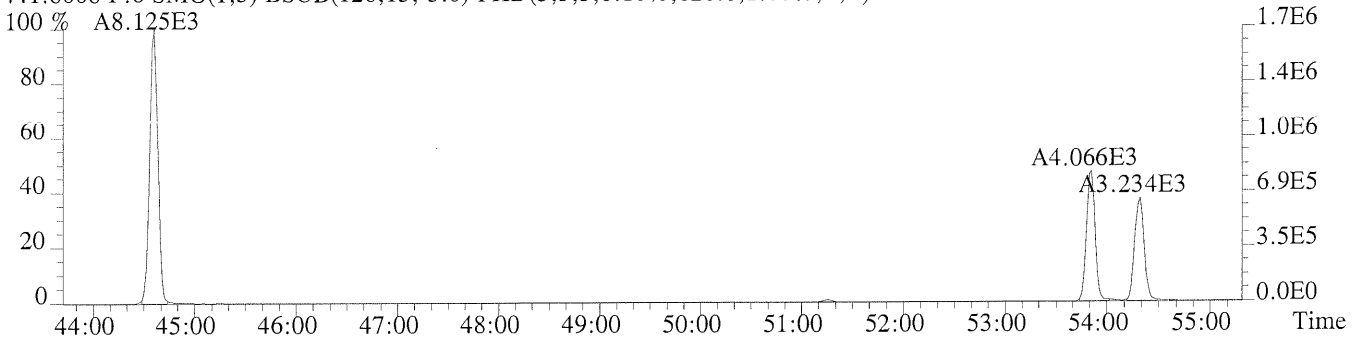
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



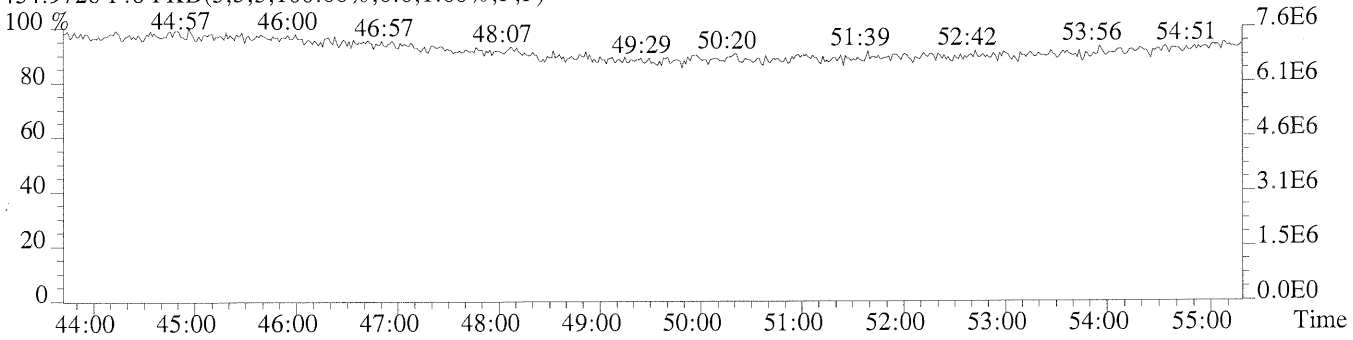
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,700.0,1.00%,F,T)



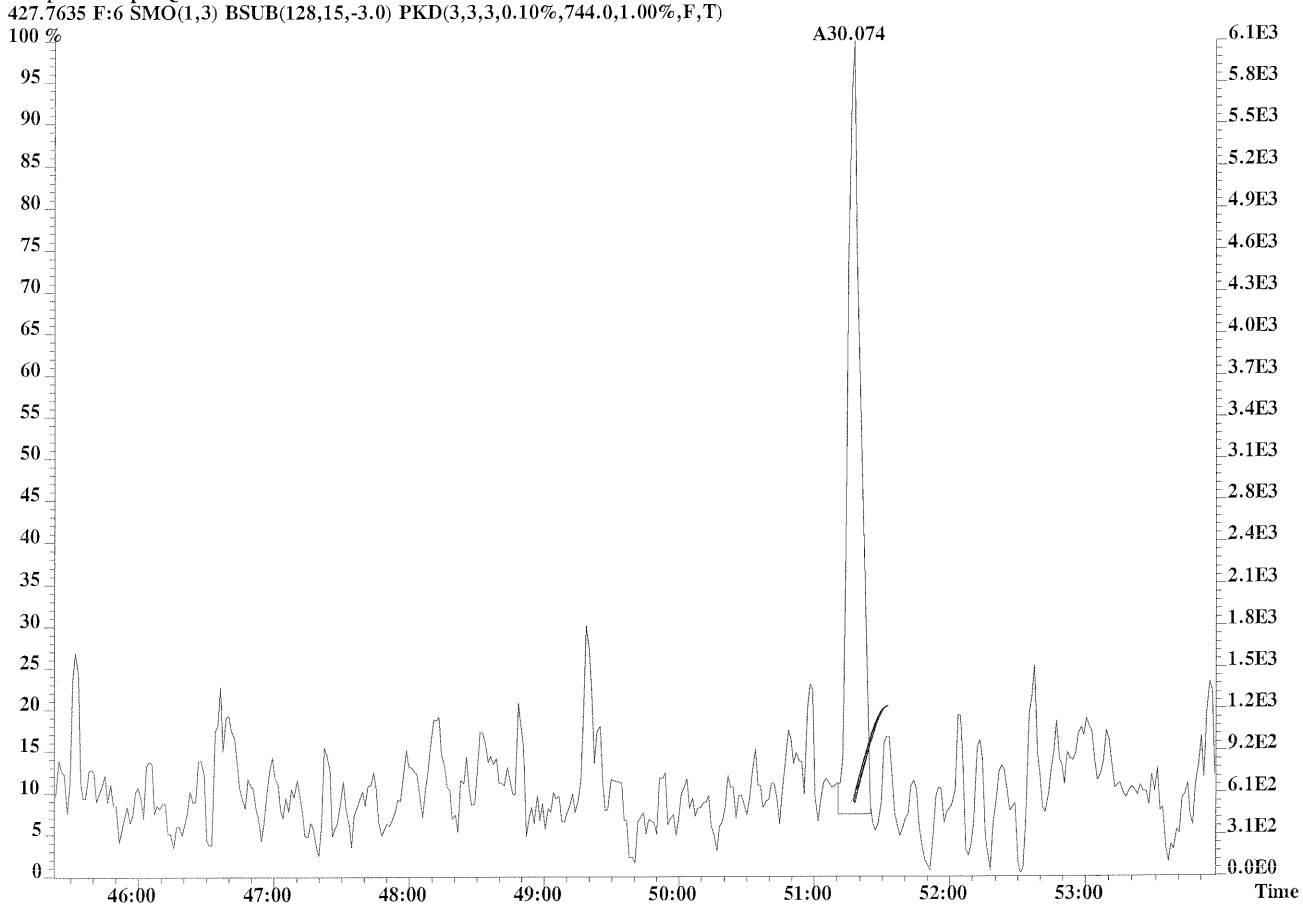
441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,628.0,1.00%,F,T)



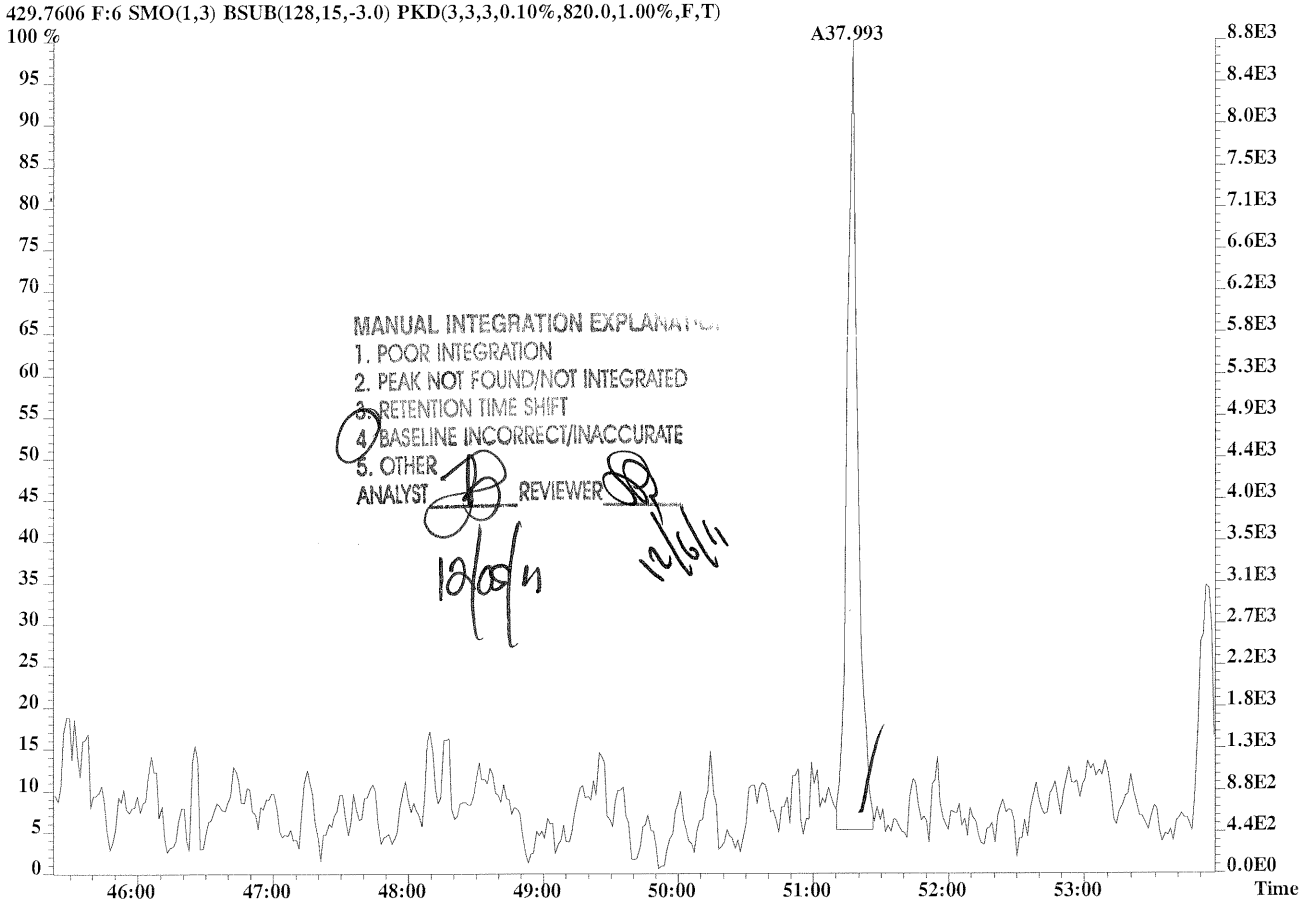
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



File:U142162 #1-575 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spectrom
Sample#1 Exp:EQ1100541-04KC91152UDMS
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,744.0,1.00%,F,T)



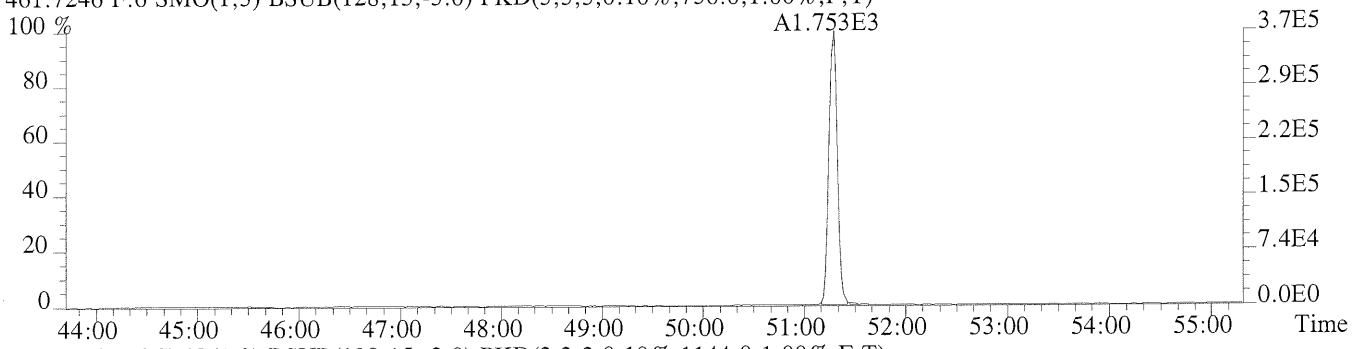
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



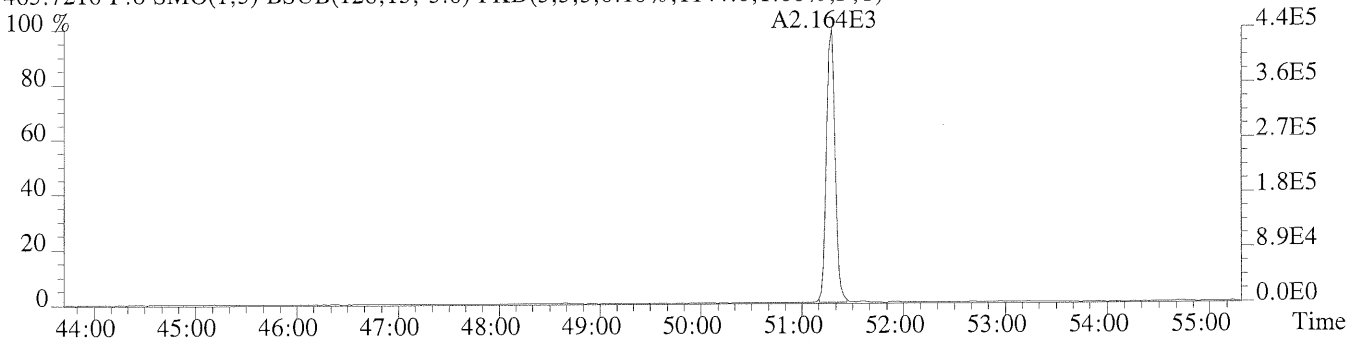
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 12/09/11 REVIEWER 12/6/11

File:U142162 #1-575 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

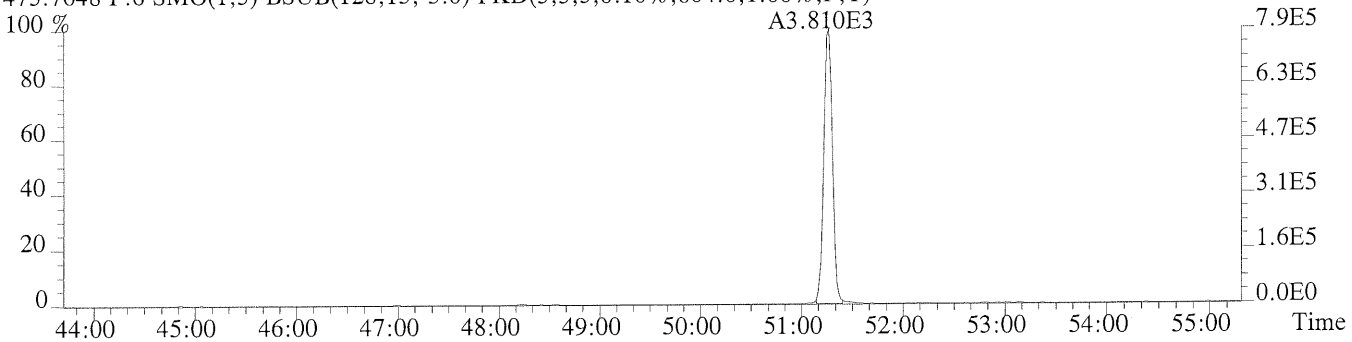
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,736.0,1.00%,F,T)



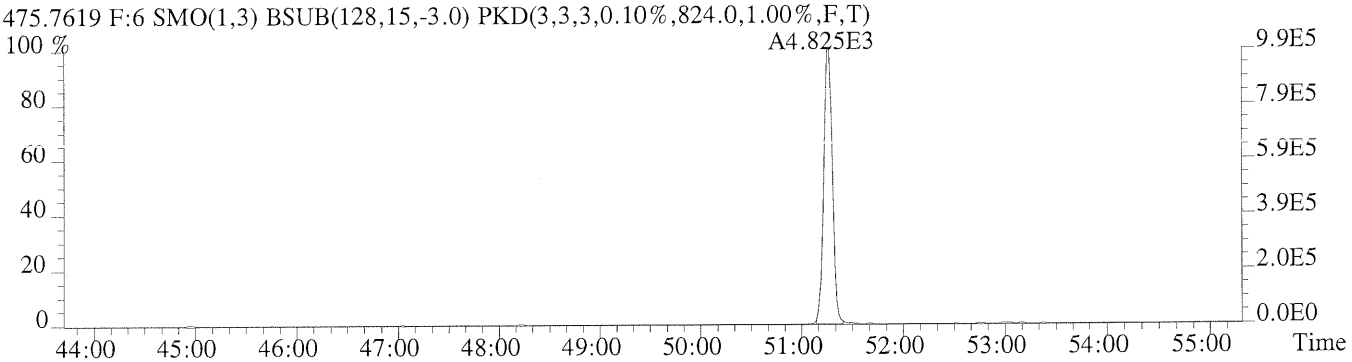
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1144.0,1.00%,F,T)



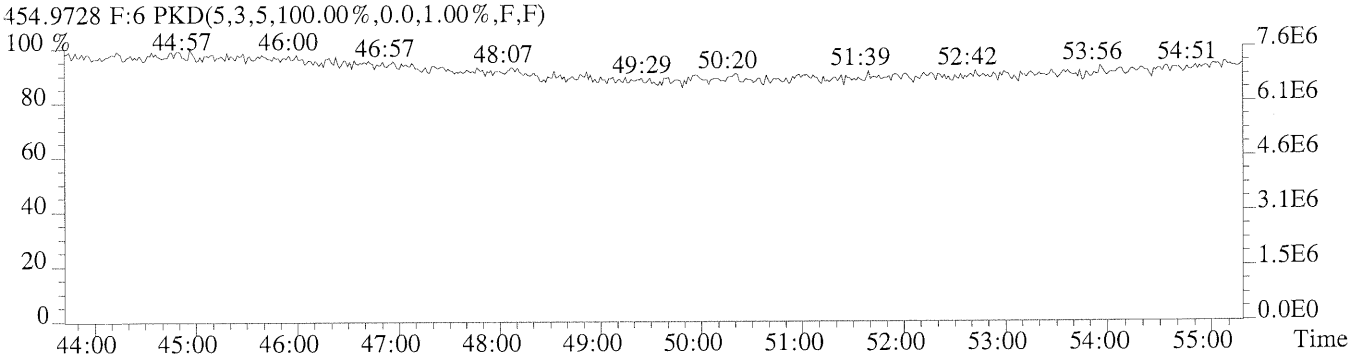
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,604.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,824.0,1.00%,F,T)

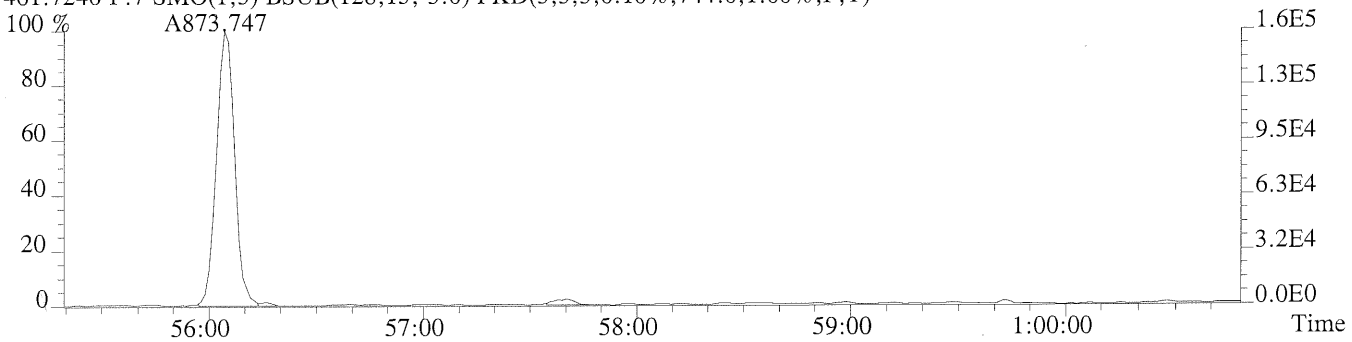


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

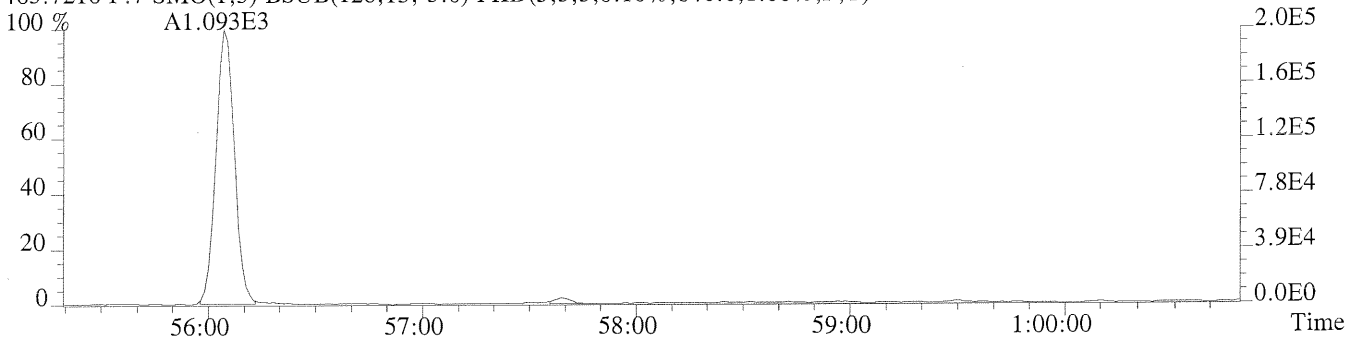


File:U142162 #1-310 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

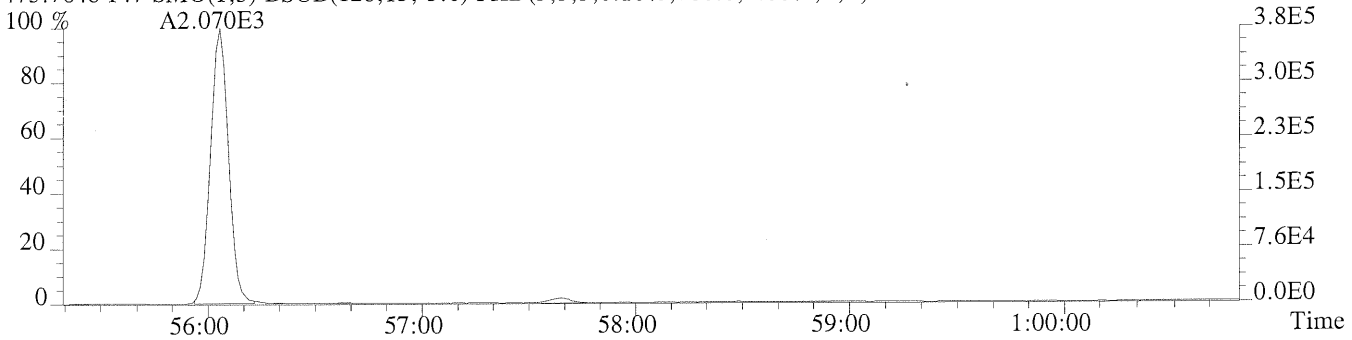
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,744.0,1.00%,F,T)



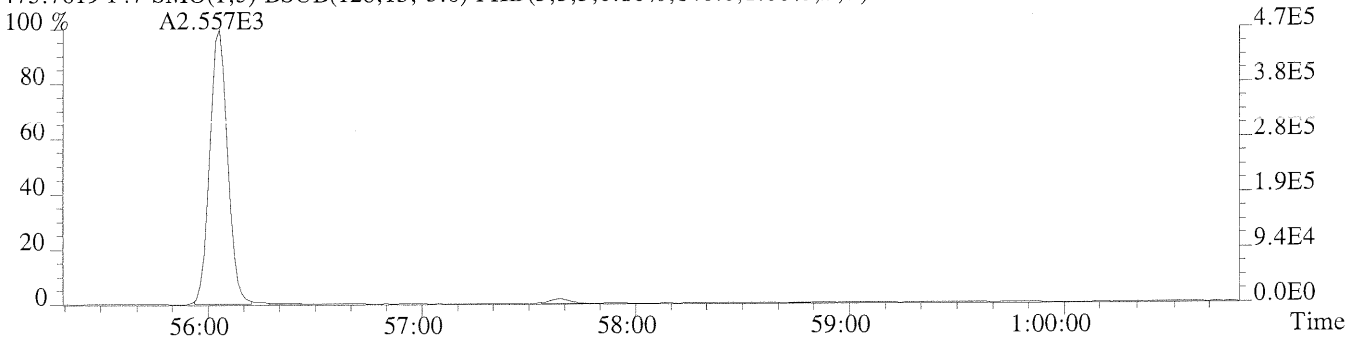
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,840.0,1.00%,F,T)



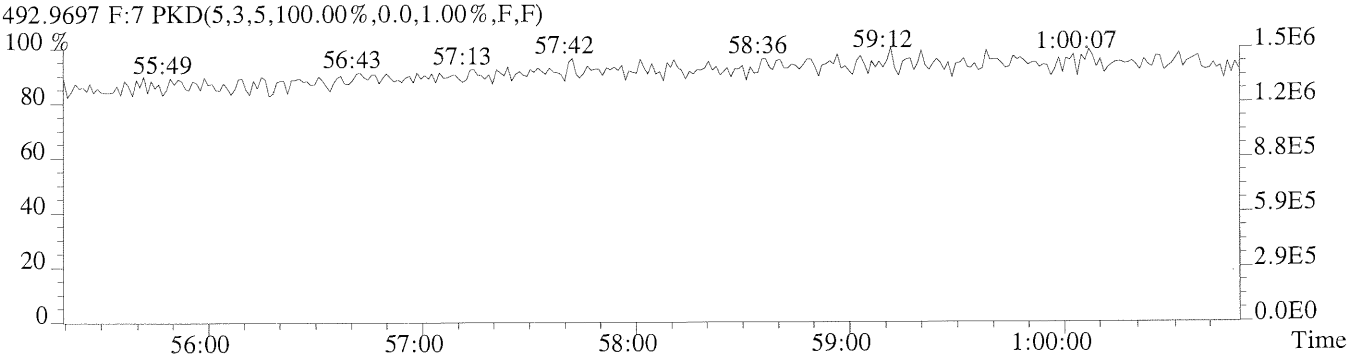
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,848.0,1.00%,F,T)

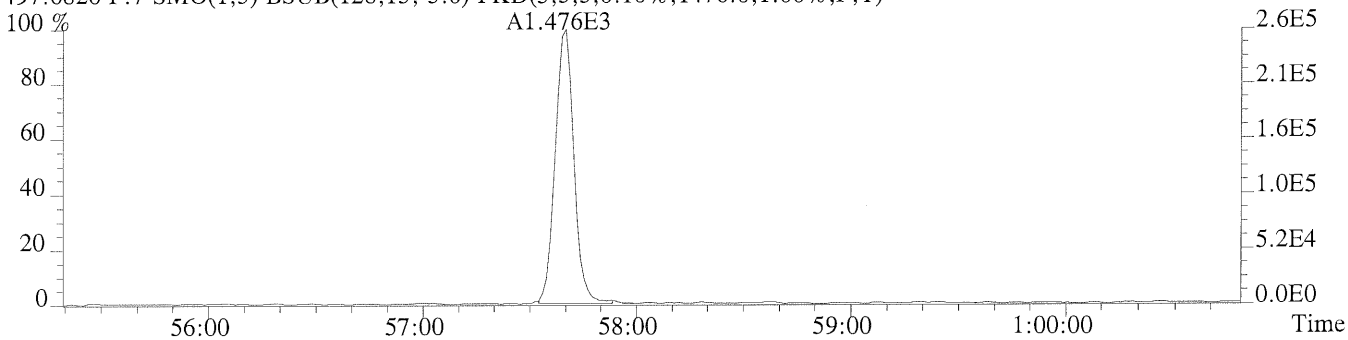


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

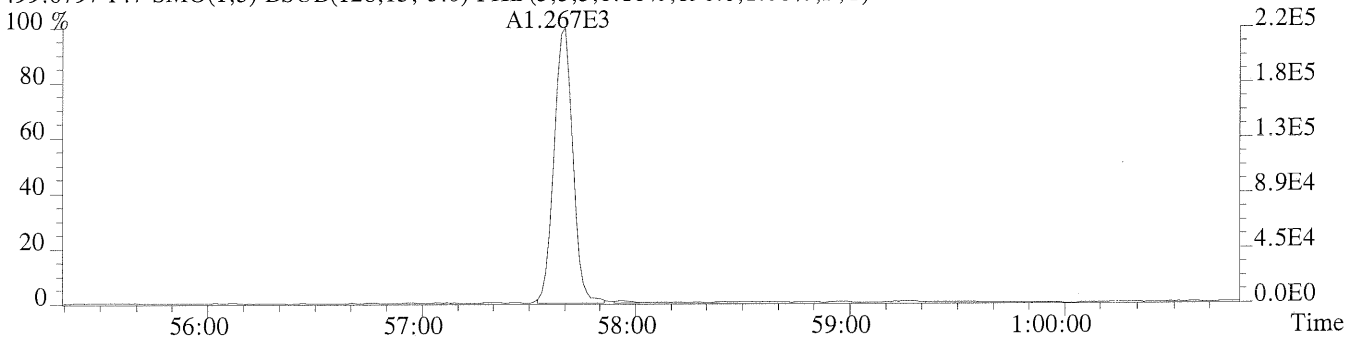


File:U142162 #1-310 Acq:22-NOV-2011 16:31:38 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:EQ1100541-04KC91152UDMS

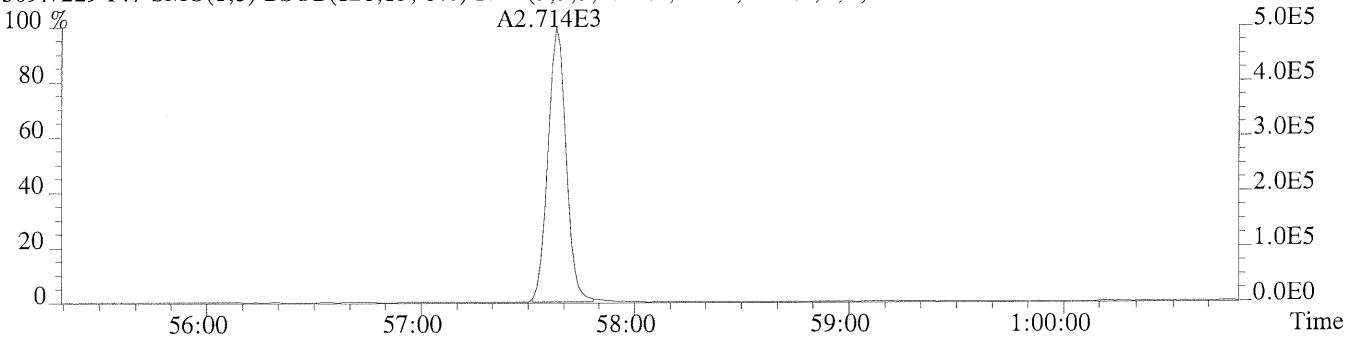
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1476.0,1.00%,F,T)



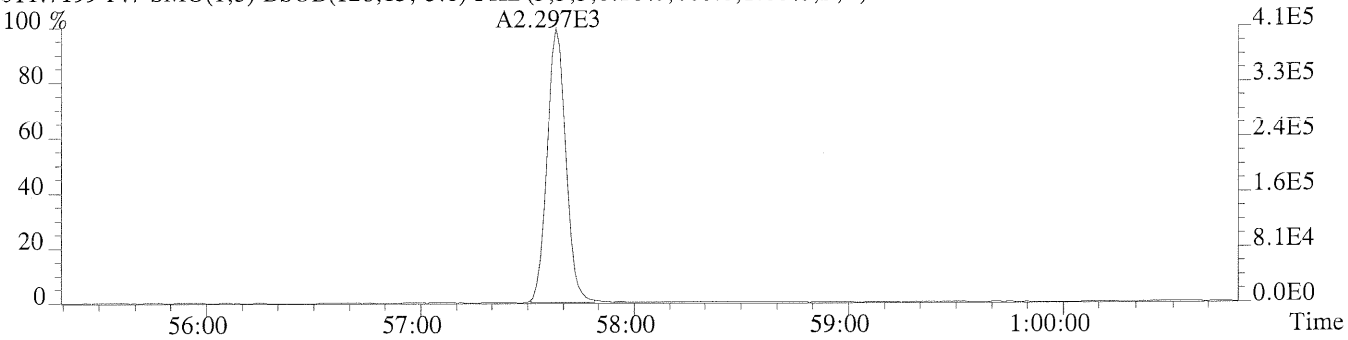
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)



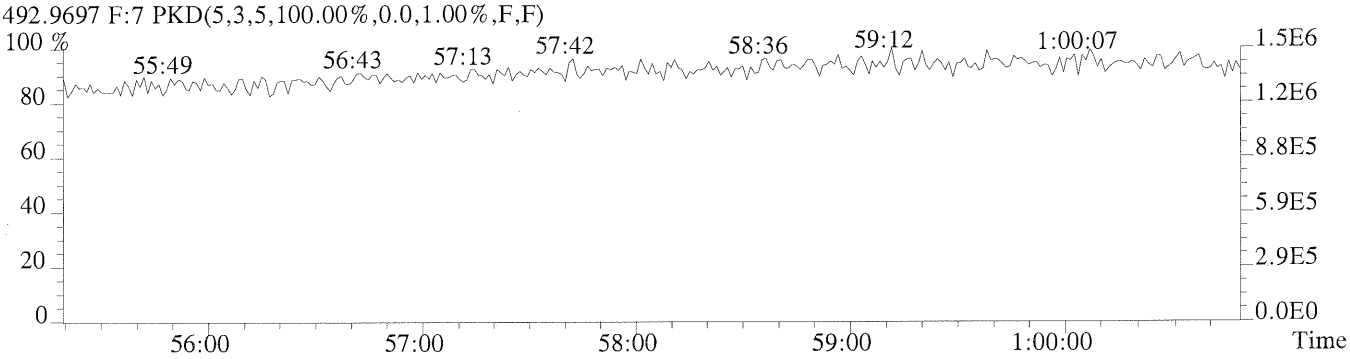
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,660.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



Columbia Analytical Services INC

Continuing Calibration

19408 Park Row, Suite 320, Houston, TX 77084
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

An Employee Owned Company

RW/CS3 Daily Calibration QC Checklist

Calibration File Name: U142155

Circle one
Beginning **Ending**

Date: 22 NOV. '11

Method: **1668 WHO** **1668 Total** **1668 (209)** **1668 WHO & TOTAL**

Date	12/05/11	**First Reviewer**	

Date	12/06/11	**Second Reviewer**	

5DFC
PCDD/PCDF/PCB ANALYTICAL SEQUENCE SUMMARY

Lab Name: Columbia Analytical Services Contract:

Lab Code: TX01411 Case No.: SDG No.:

GC Column: SPB-OCTYL ID: 0.25 (mm) Instrument ID: AutoSpec-Premier

Init. Calib. Date: 02/23/11

Init. Calib.Times: 09:22

THE ANALYTICAL SEQUENCE OF STANDARDS, SAMPLES, BLANKS, AND LABORATORY CONTROL SAMPLES (LCSs) IS AS FOLLOWS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
CCAL CS3		U142155	22-NOV-11	08:05:05
PCB 209 INJECTION		U142154	22-NOV-11	06:51:31
METHOD BLANK	EQ1100541-01	U142157	22-NOV-11	10:55:05
KC91-157L	E1101076-001	U142158	22-NOV-11	11:58:08
KC91-157U	E1101076-002	U142159	22-NOV-11	13:06:23
KC91-152U	E1101076-006	U142160	22-NOV-11	14:14:43
KC91-152U MS	EQ1100541-03	U142161	22-NOV-11	15:23:09
KC91-152U DMS	EQ1100541-04	U142162	22-NOV-11	16:31:38

5DFC
PCDD/PCDF ANALYTICAL SEQUENCE SUMMARY

Lab Name: Columbia Analytical Services Contract:

Lab Code: TX01411 Case No.: SDG No.:

GC Column: SPB-OCTYL ID: 0.25 (mm) Instrument ID: AutoSpec-Ultima

Init. Calib. Date: 02/23/11

Init. Calib.Times: 09:22

THE ANALYTICAL SEQUENCE OF STANDARDS, SAMPLES, BLANKS, AND LABORATORY CONTROL SAMPLES (LCSs) IS AS FOLLOWS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
PCB 209 INJECTION		U142154	22-NOV-11	06:51:31
CCAL CS3		U142155	22-NOV-11	08:05:05
LCS	EQ1100541-02	U142156	22-NOV-11	09:22:41

E1101076

532 of 997

Sample List Report

MassLynx 4.1

Columbia Analytical Services
19408 Park Row
Suite 320
Houston, Texas 77084

Page Position (1, 1)

Sample List: C:\MassLynx\CASHOUSTON.PRO\SampleDB\U1111122.SPL
Last Modified: Tuesday, November 22, 2011 09:23:44 Central Standard Time
Printed: Tuesday, November 22, 2011 18:02:32 Central Standard Time

D: U142155CAL/RES

	Date	Time	File Name	Sample ID	Client ID	Analyst	Comments	GC Met	Acq Met
1	11/22/11	05:01	U142153	PCB 209 INJECTION	B4-25-1		HRMS Check 06:48	1668EPA	1668EPA
2		06:51	U142154	PCB 209 INJECTION	B4-25-1			1668EPA	1668EPA
3		08:05	U142155	CCAL CS3	B2-26-1			1668EPA	1668EPA
4		09:02	U142156	EQ1100541-02	LCS			1668EPA	1668EPA
5		10:55	U142157	EQ1100541-01	MB			1668EPA	1668EPA
6		11:58	U142158	E1101076-001	KC91-157L			1668EPA	1668EPA
7		13:06	U142159	E1101076-002	KC91-157U			1668EPA	1668EPA
8		14:11	U142160	E1101076-006	KC91-152U			1668EPA	1668EPA
9		15:03	U142161	EQ1100541-03	KC91-152U MS			1668EPA	1668EPA
10		16:31	U142162	EQ1100541-04	KC91-152U DMS		HRMS Check 17:52	1668EPA	1668EPA
11			---	---	---			1668EPA	1668EPA
12			---	---	---			1668EPA	1668EPA
13			---	---	---			1668EPA	1668EPA
14			---	---	---			1668EPA	1668EPA
15			---	---	---			1668EPA	1668EPA
16			---	---	---			1668EPA	1668EPA
17			---	---	---			1668EPA	1668EPA
18			---	---	---			1668EPA	1668EPA
19			---	---	---			---	---
20			---	---	---			---	---
21			---	---	---			TCDFCAS	TCDFCAS
22			---	---	---			1668EPA	1668EPA
23			---	---	---			---	---
24			---	---	---			---	---
25			---	---	---			TCDFCAS	TCDFCAS
26			---	---	---			TCDFCAS	TCDFCAS
27			---	---	---			1668EPA	1668EPA
28			---	---	---			1668EPA	1668EPA
29			---	---	---			8290cas	8290CAS
30			---	---	---			TCDFCAS	TCDFCAS
31			---	---	---			---	---
32			---	---	---			---	---
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38	---	---	---	---	---	---	---	---	---
39	---	---	---	---	---	---	---	---	---

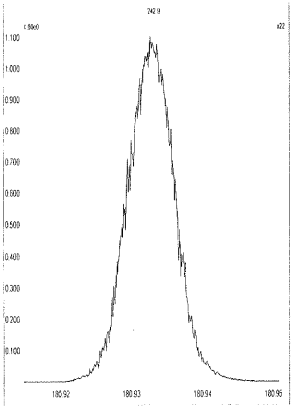
Reviewed By: 11/22/11

091

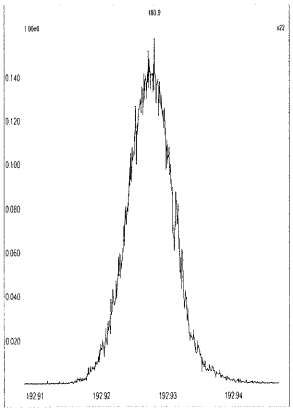
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, November 22, 2011 06:48:37 Central Standard Time

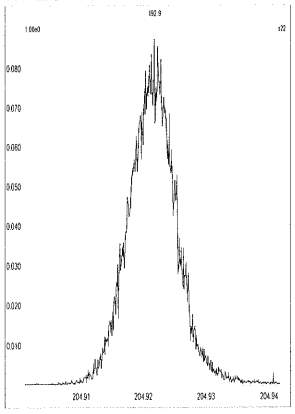
M 180.9888 R 11684



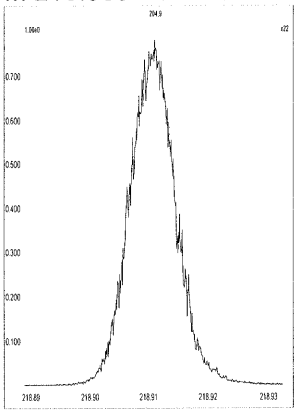
M 192.9888 R 12017



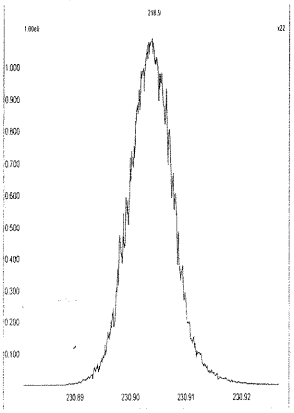
M 204.9888 R 11210



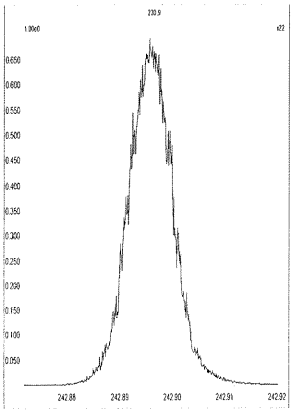
M 218.9856 R 12020



M 230.9856 R 11906



M 242.9856 R 12253

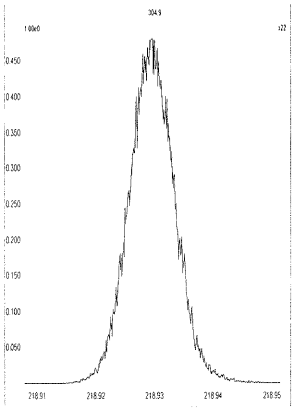


Experiment Calibration Report **MassLynx 4.1**

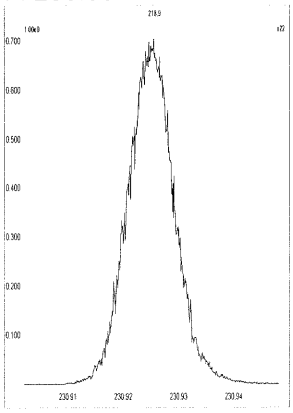
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, November 22, 2011 06:49:06 Central Standard Time

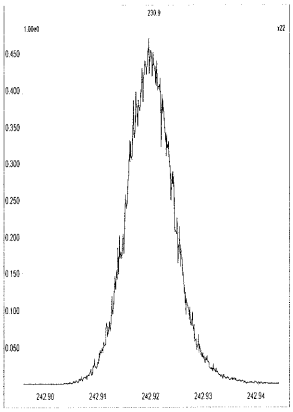
M 218.9856 R 11964



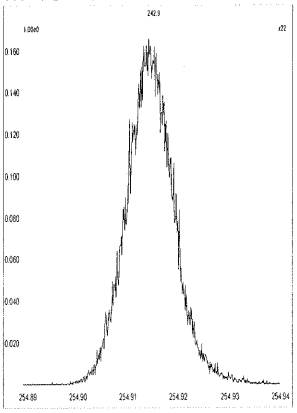
M 230.9856 R 11315



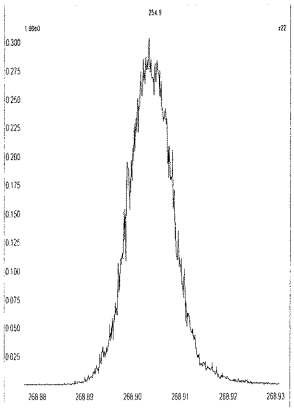
M 242.9856 R 11363



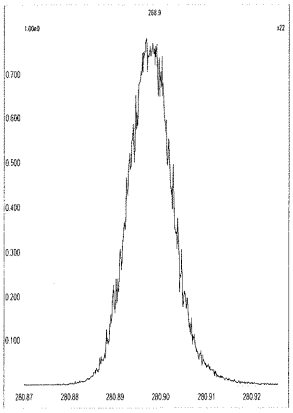
M 254.9856 R 11412



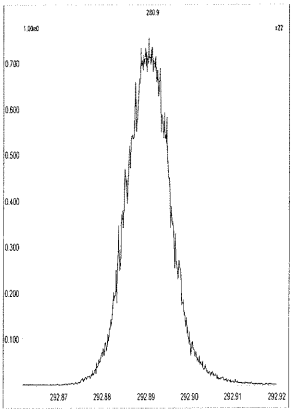
M 268.9824 R 12014



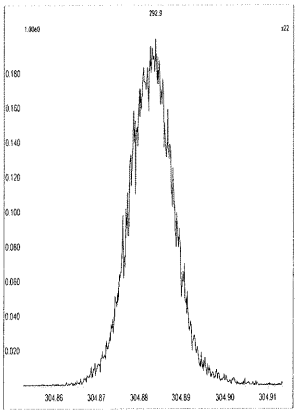
M 280.9824 R 11904



M 292.9824 R 11907



M 304.9824 R 12626



Experiment Calibration Report **MassLynx 4.1**

File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

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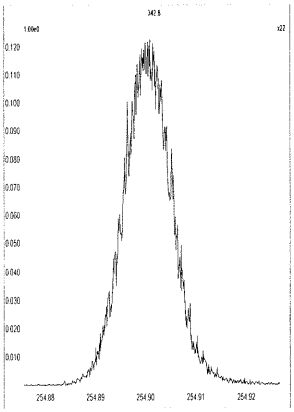
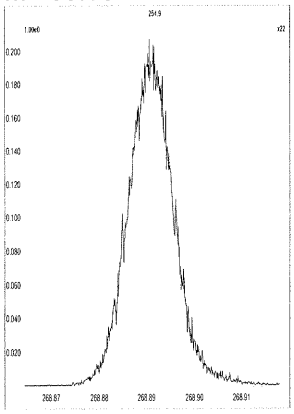
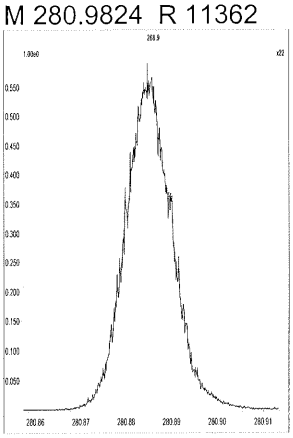
M 254.9856 R 11415



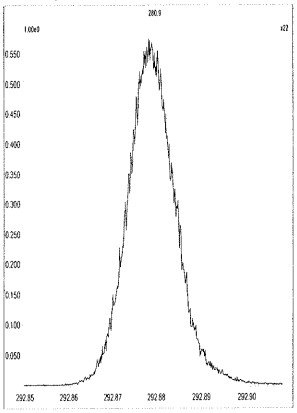
M 268.9824 R 11899



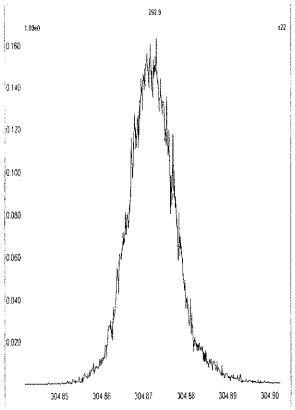
M 280.9824 R 11362



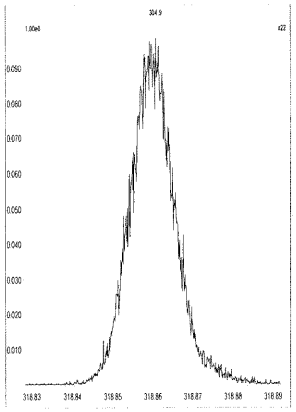
M 292.9824 R 11314



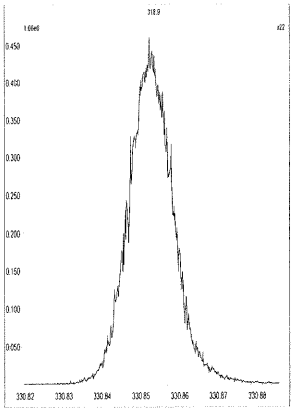
M 304.9824 R 11261



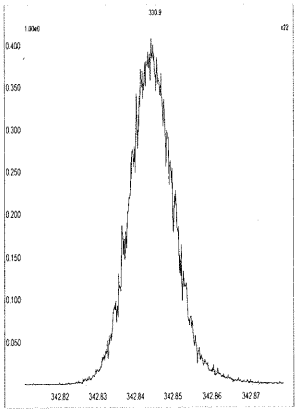
M 318.9792 R 11959



M 330.9792 R 11733



M 342.9792 R 11904



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

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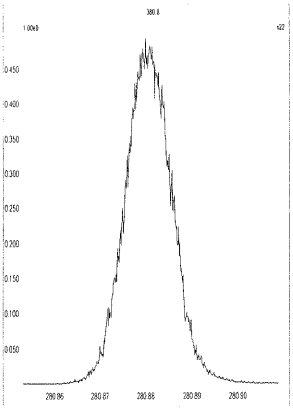
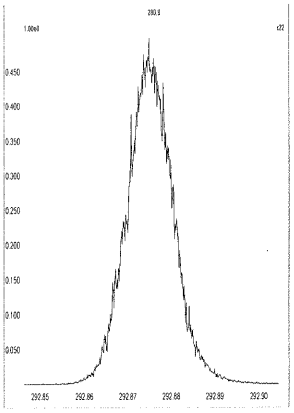
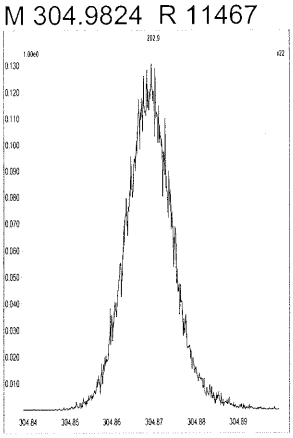
M 280.9824 R 11903



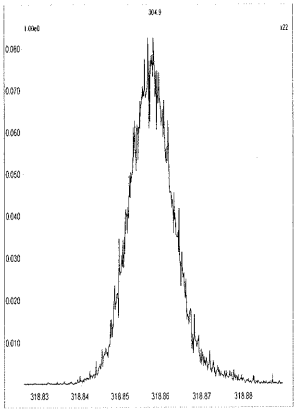
M 292.9824 R 11213



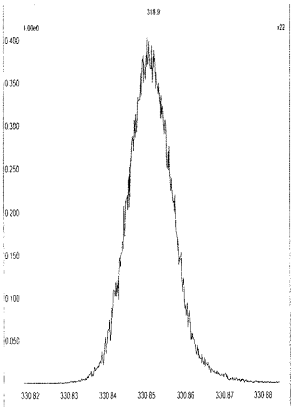
M 304.9824 R 11467



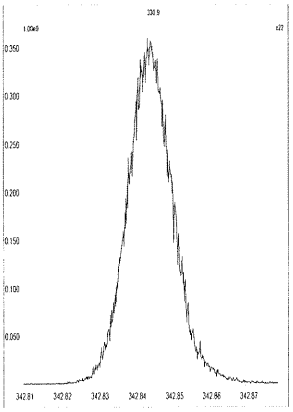
M 318.9792 R 11846



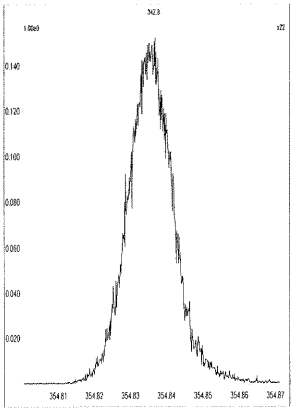
M 330.9792 R 11522



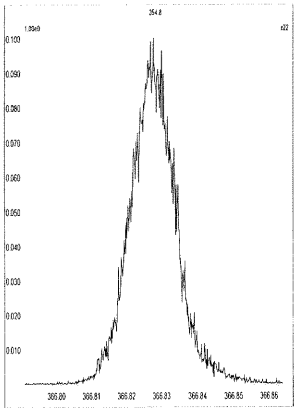
M 342.9792 R 11362



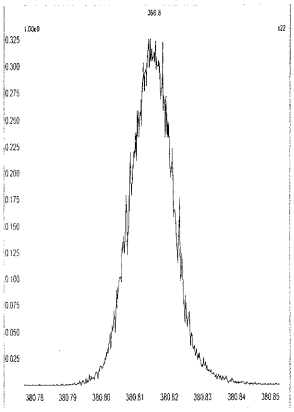
M 354.9792 R 11365



M 366.9792 R 11468



M 380.9760 R 12379



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

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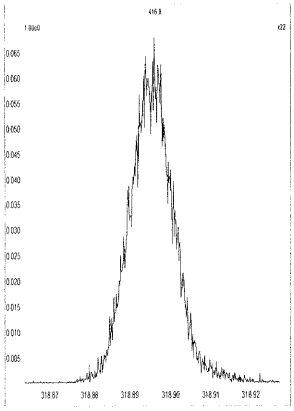
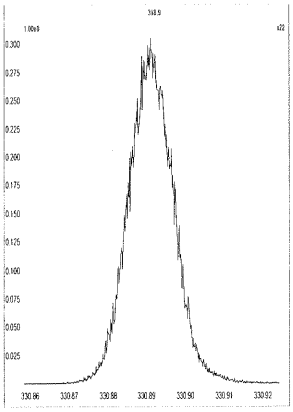
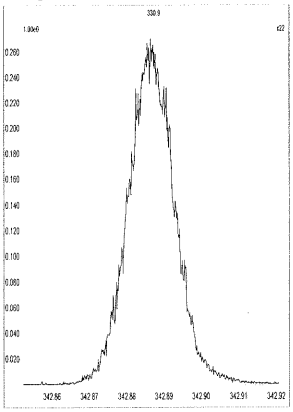
M 318.9792 R 13088



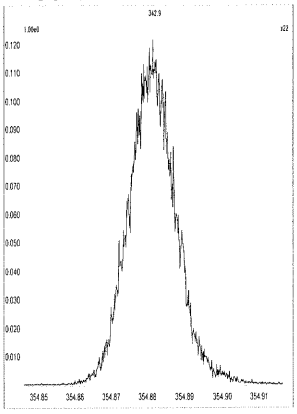
M 330.9792 R 11851



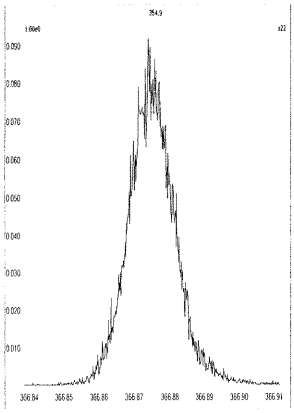
M 342.9792 R 11900



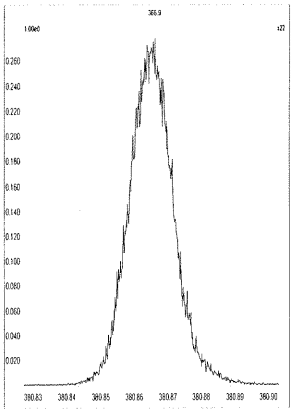
M 354.9792 R 11960



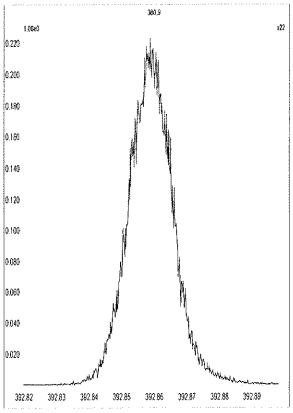
M 366.9792 R 11417



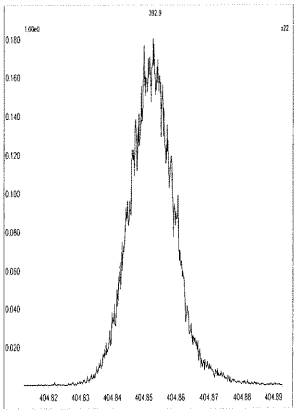
M 380.9760 R 11961



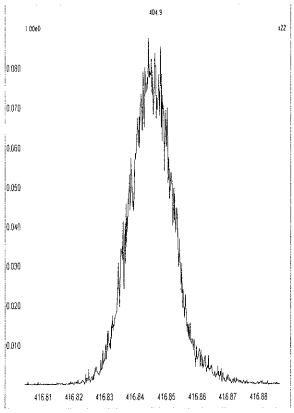
M 392.9760 R 11960



M 404.9760 R 11262



M 416.9760 R 12254



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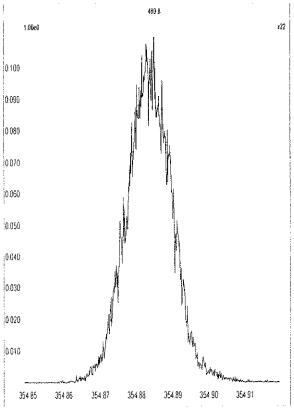
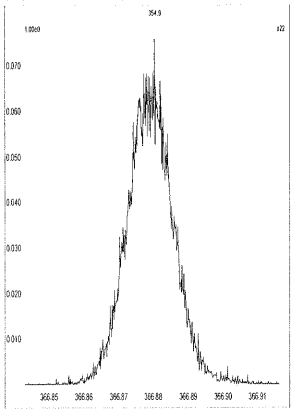
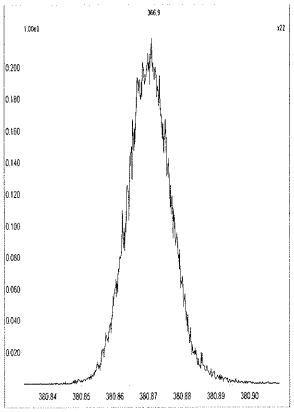
M 354.9792 R 12561



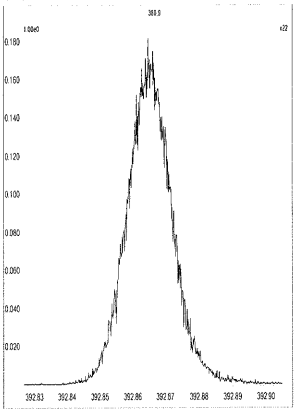
M 366.9792 R 12496



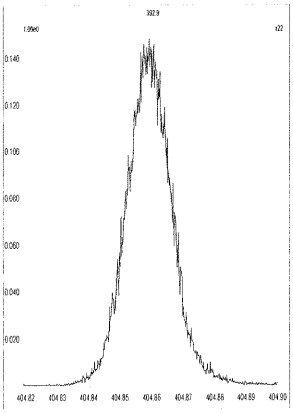
M 380.9760 R 12820



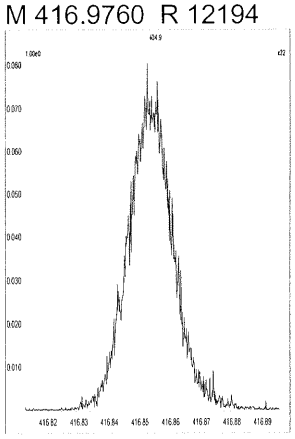
M 392.9760 R 11626



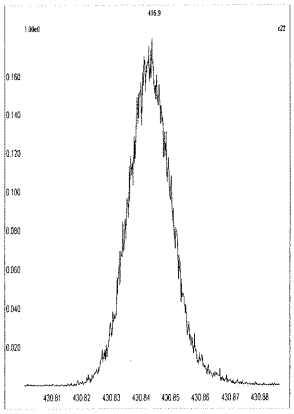
M 404.9760 R 11789



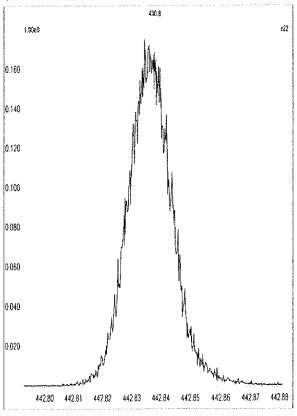
M 416.9760 R 12194



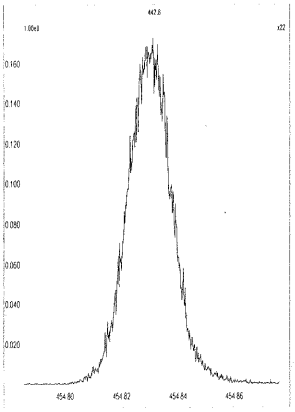
M 430.9728 R 11959



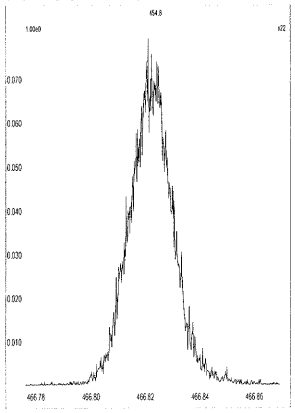
M 442.9728 R 12251



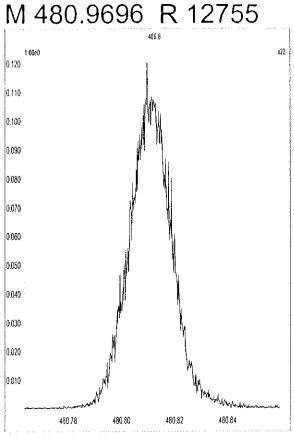
M 454.9728 R 12194



M 466.9728 R 12623



M 480.9696 R 12755



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 7 @ 200 (ppm)

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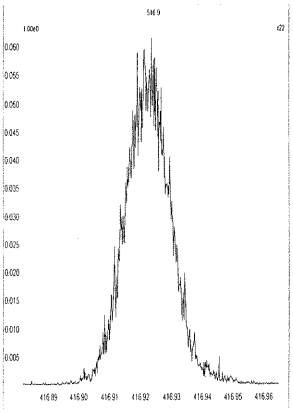
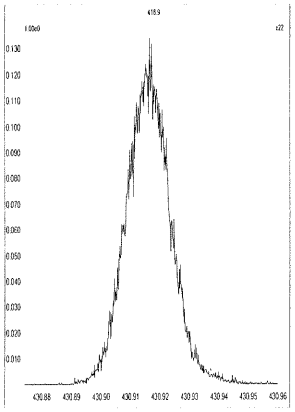
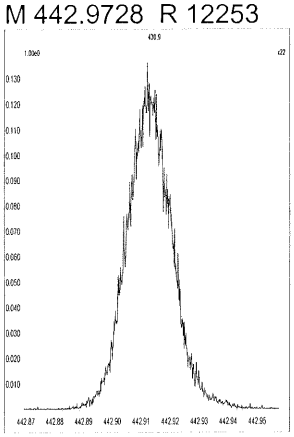
M 416.9760 R 12137



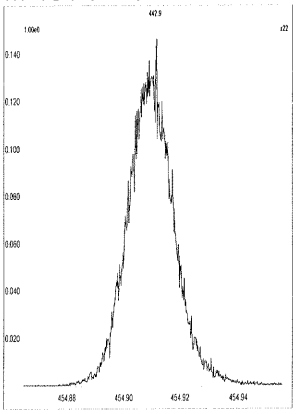
M 430.9728 R 12626



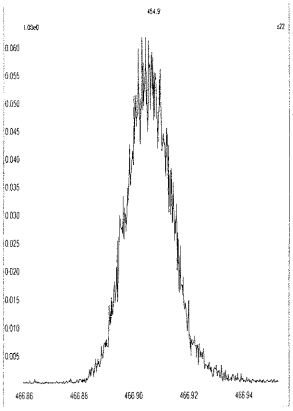
M 442.9728 R 12253



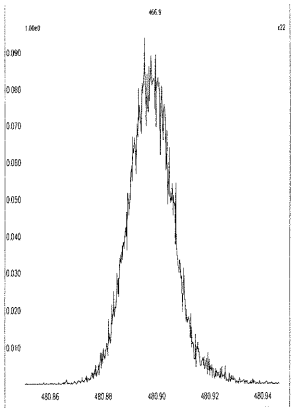
M 454.9728 R 12078



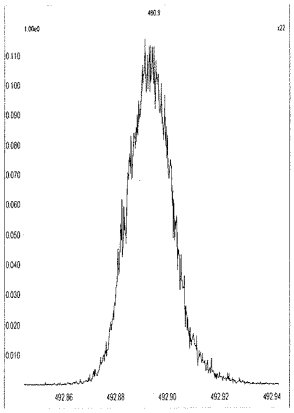
M 466.9728 R 11904



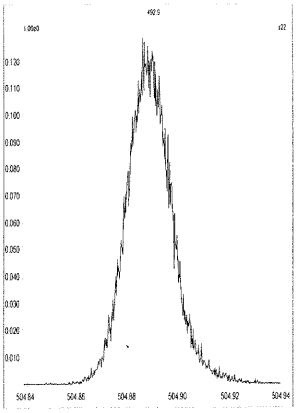
M 480.9696 R 11846



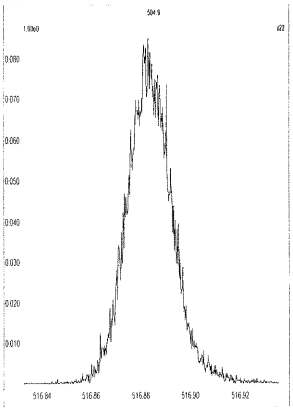
M 492.9696 R 12020



M 504.9696 R 11904



M 516.9697 R 12075



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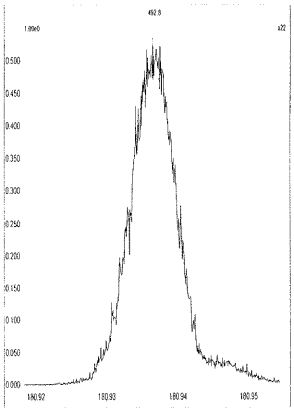
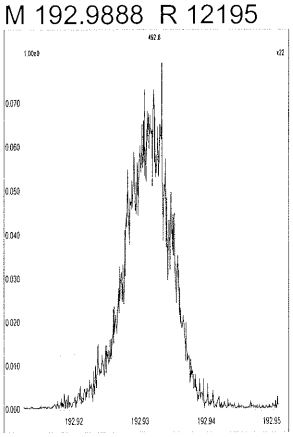
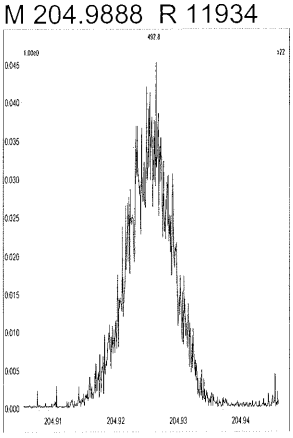
M 180.9888 R 10621



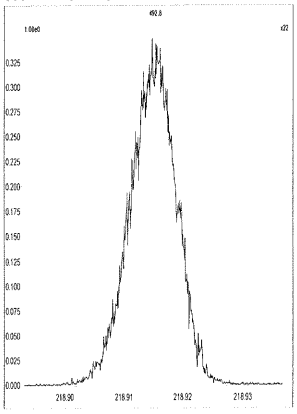
M 192.9888 R 12195



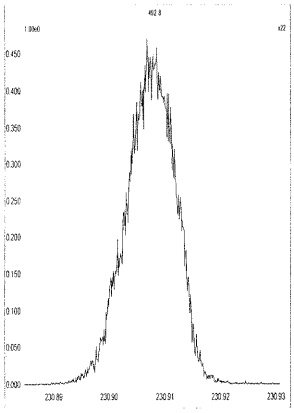
M 204.9888 R 11934



M 218.9856 R 12376



M 230.9856 R 11820



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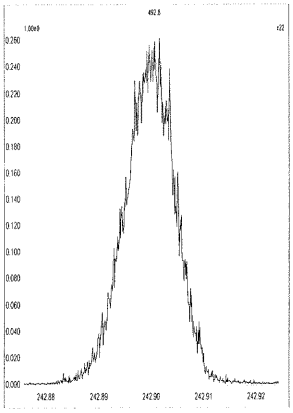
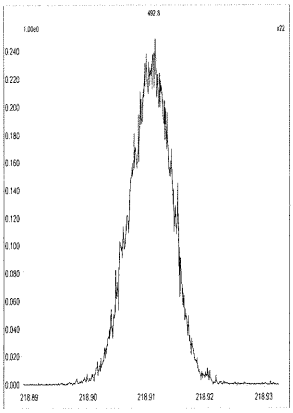
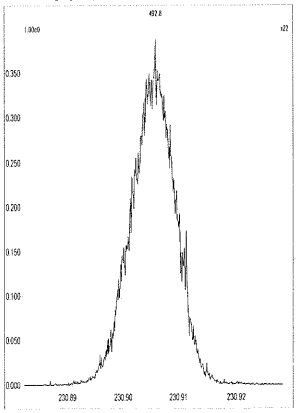


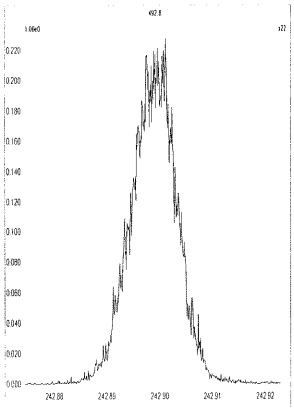
M 218.9856 R 13374



M 230.9856 R 12440



M 242.9856 R 12362



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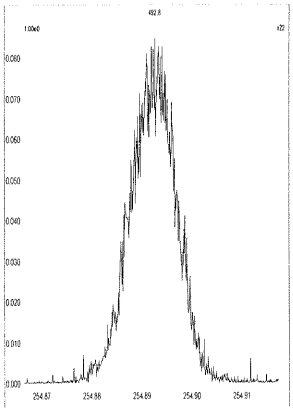

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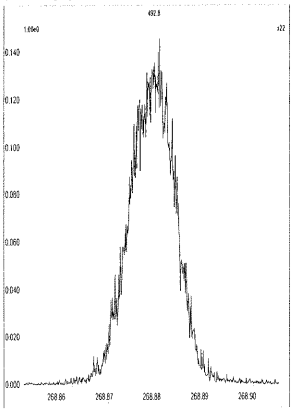

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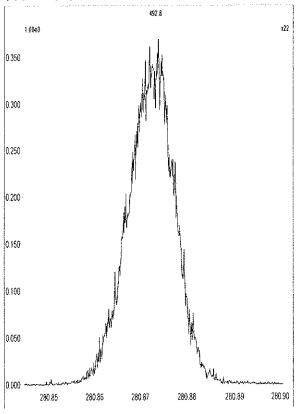

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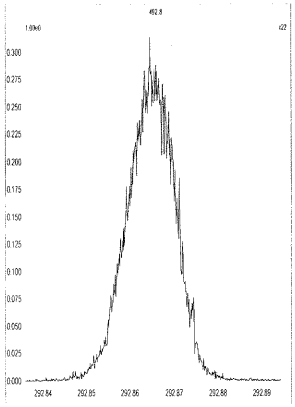

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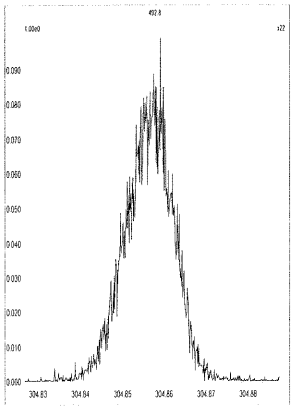

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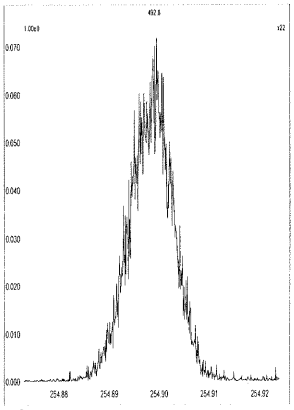

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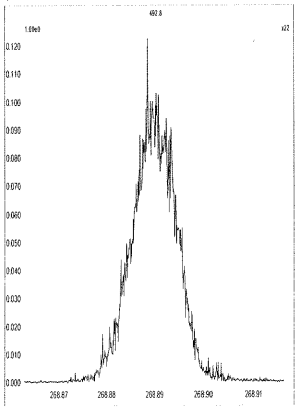

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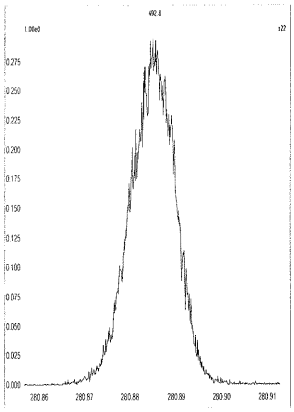
M 280.9824 R 12600



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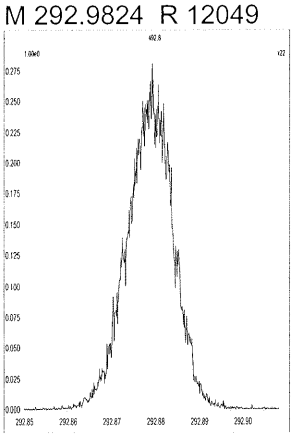

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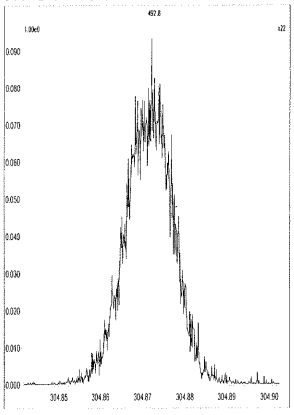
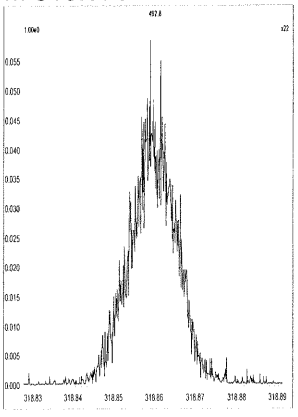
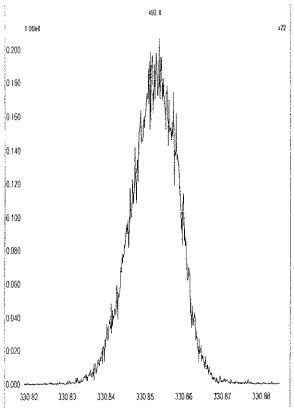


M 318.9792 R 13166



M 330.9792 R 11655



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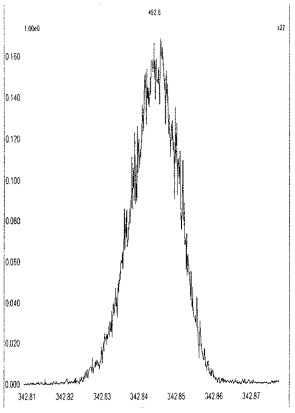

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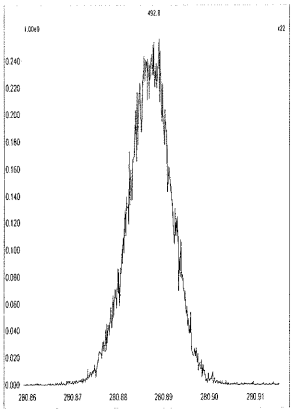

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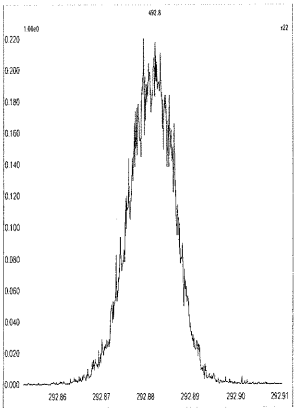
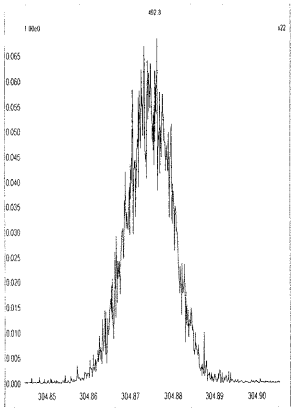


M 304.9824 R 12053



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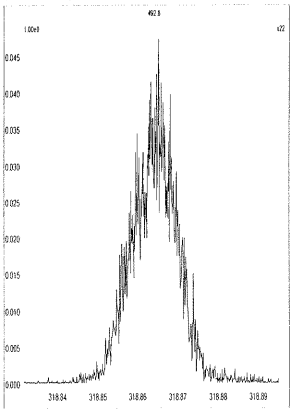

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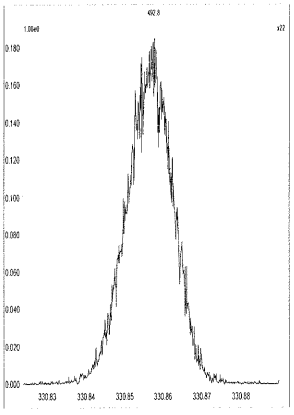

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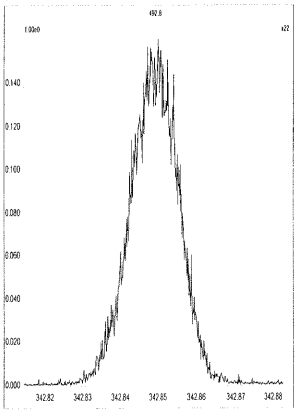

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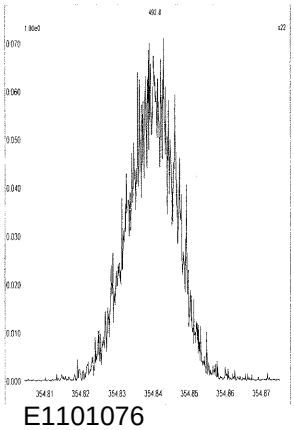

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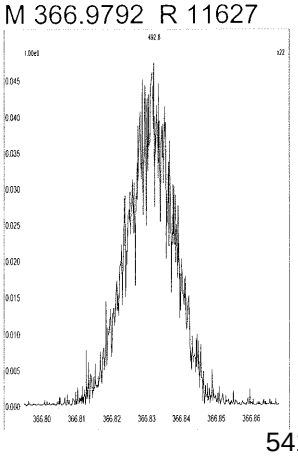
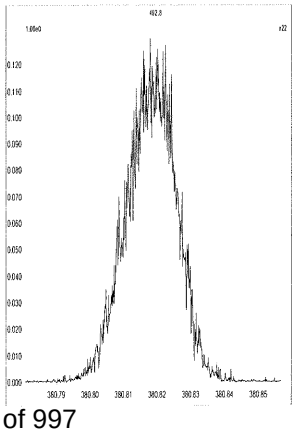


M 380.9760 R 11865



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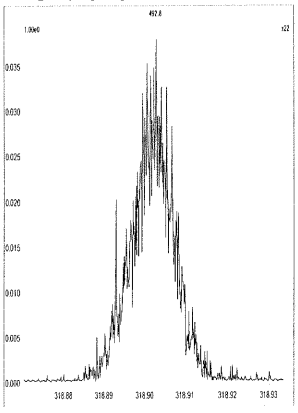

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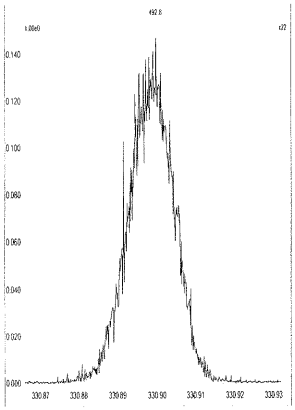
M 330.9792 R 12406



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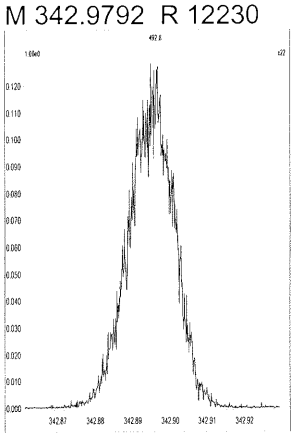

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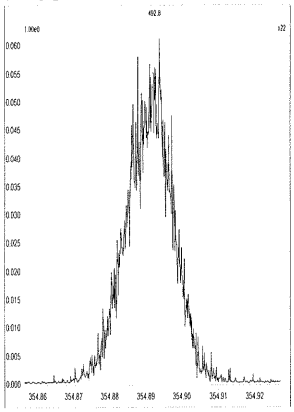

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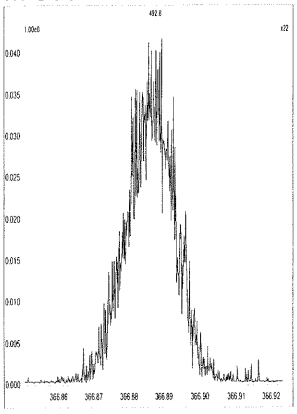
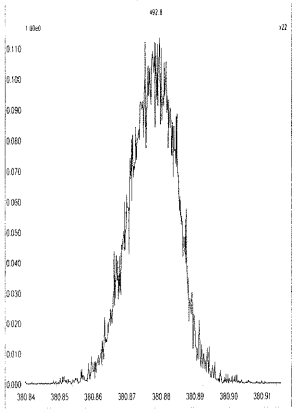
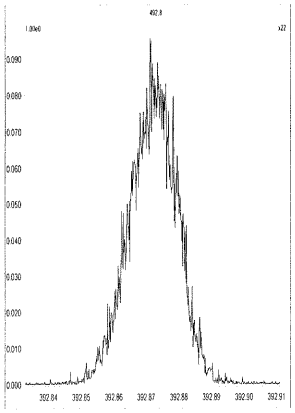


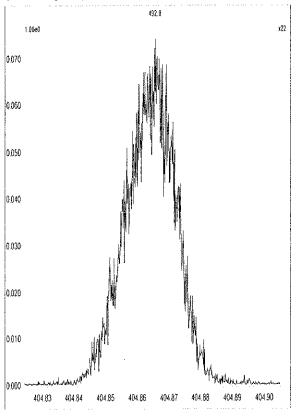
M 380.9760 R 11821



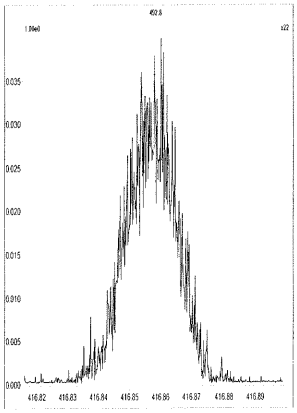
M 392.9760 R 11765



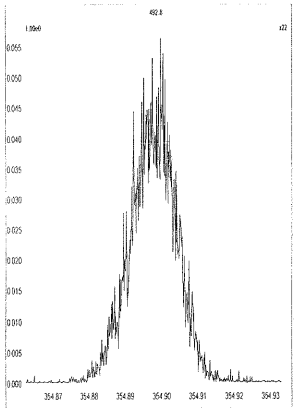
M 404.9760 R 12372



M 416.9760 R 12502



M 354.9792 R 12766



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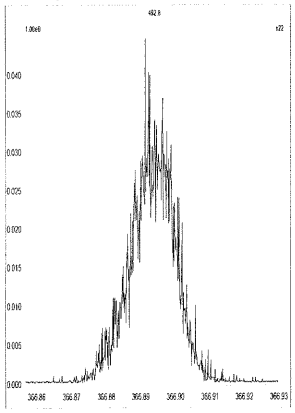
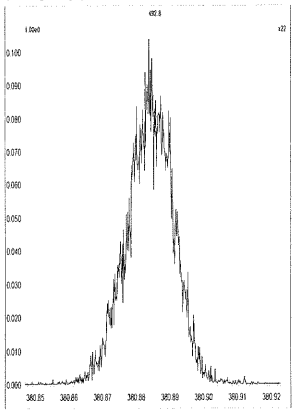


M 380.9760 R 11905



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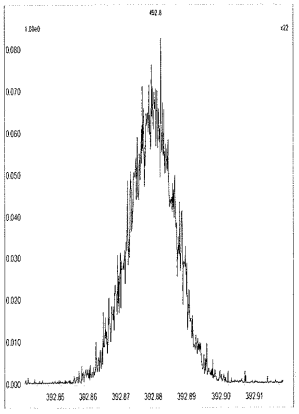

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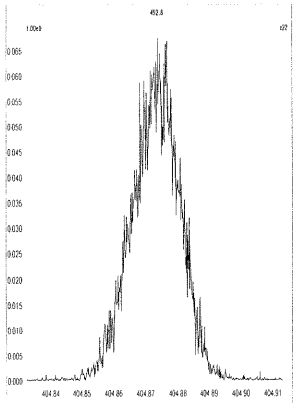
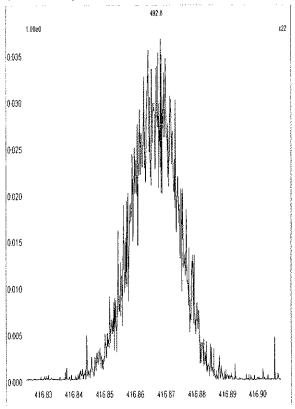
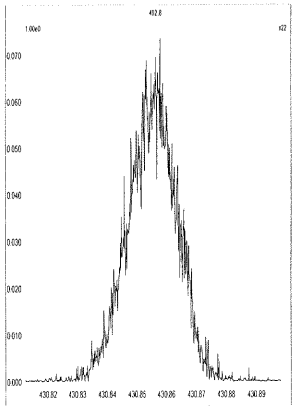


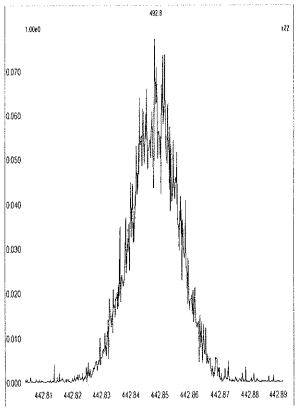
M 416.9760 R 12001



M 430.9728 R 11495



M 442.9728 R 11342



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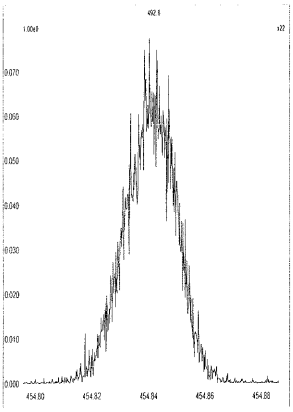
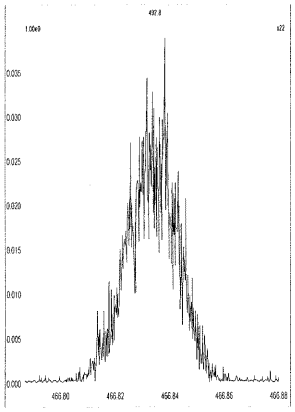
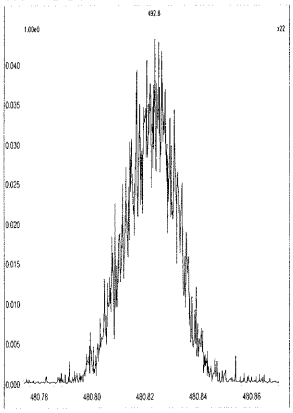
M 454.9728 R 11471



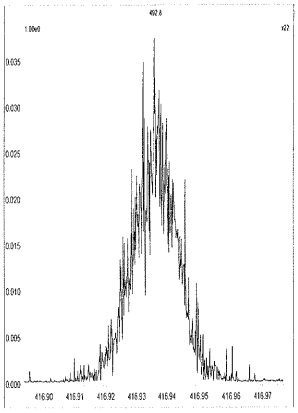
M 466.9728 R 11582



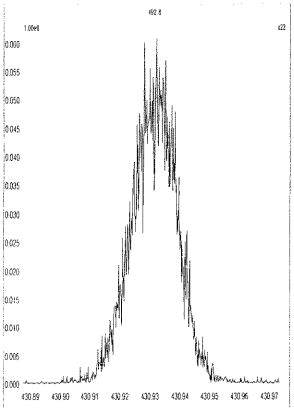
M 480.9696 R 11940



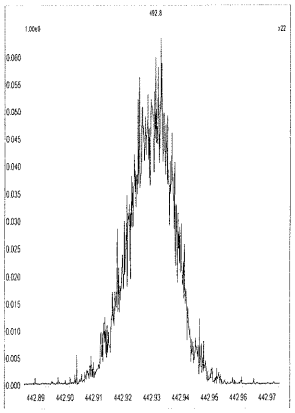
M 416.9760 R 14612



M 430.9728 R 12435



M 442.9728 R 12938



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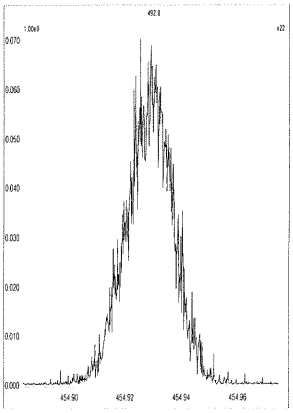
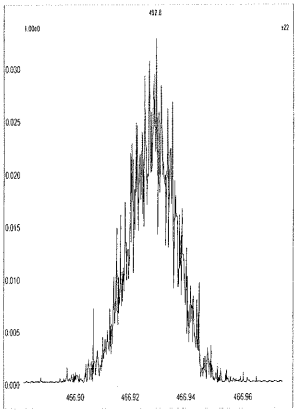
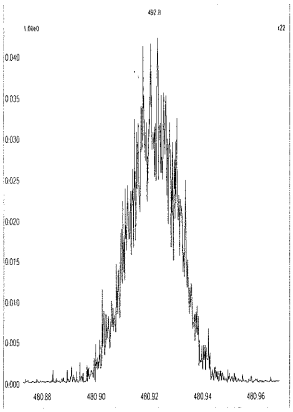


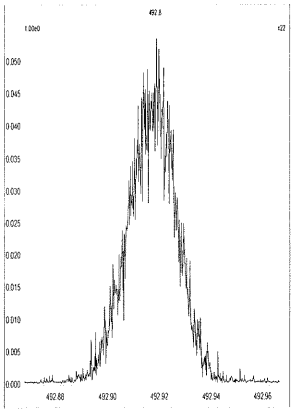
M 466.9728 R 13020



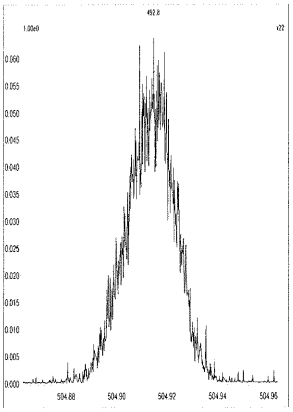
M 480.9696 R 11677



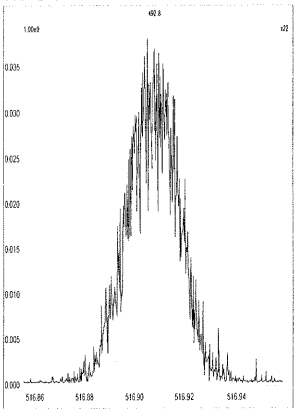
M 492.9696 R 12612



M 504.9696 R 11654



M 516.9697 R 11991



DCCS2091

METHOD 1668
DILUTED COMBINED 209 CONGENER SOLUTION (DCCS-209)

CLIENT ID:

DCCS-209

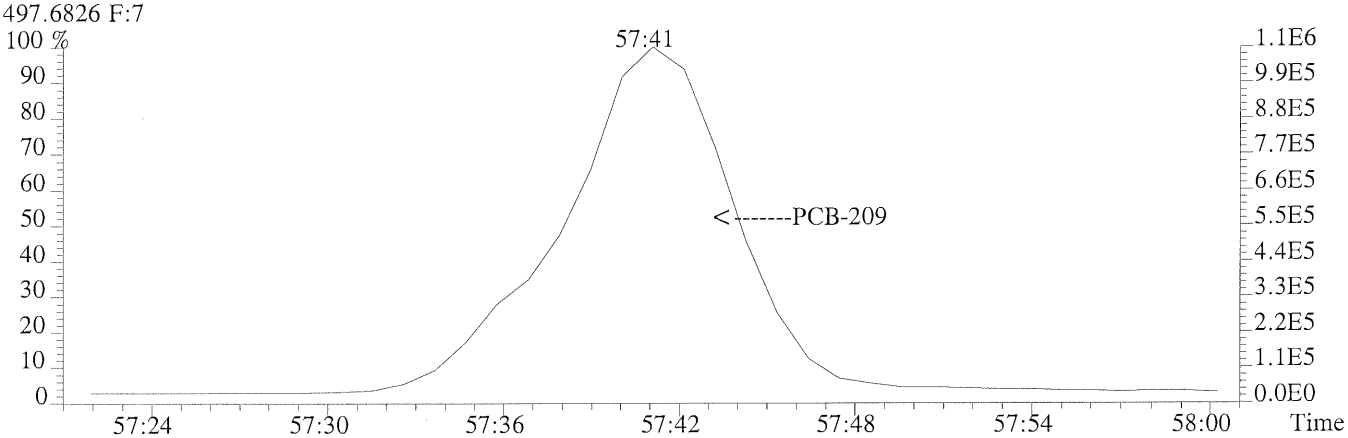
Lab Name: COLUMBIA ANALYTICAL SERVICES
Lab Code: CAS Case No.: _____ SDG No.:
GC Column: SPB-Octyl ID: 0.25 (mm) Lab File ID: U142154
Date Analyzed: 22-NOV-2011
Time Analyzed: 06:51:31

Retention Time for PCB 209:	(>55 min)	57:41
% Valley between PCB 34 and PCB 23:	(<40%)	22
% Valley between PCB 187 and PCB 182:	(<40%)	6.
Seconds of coelution between PCB 156 and PCB 157:	(<2 sec)	0

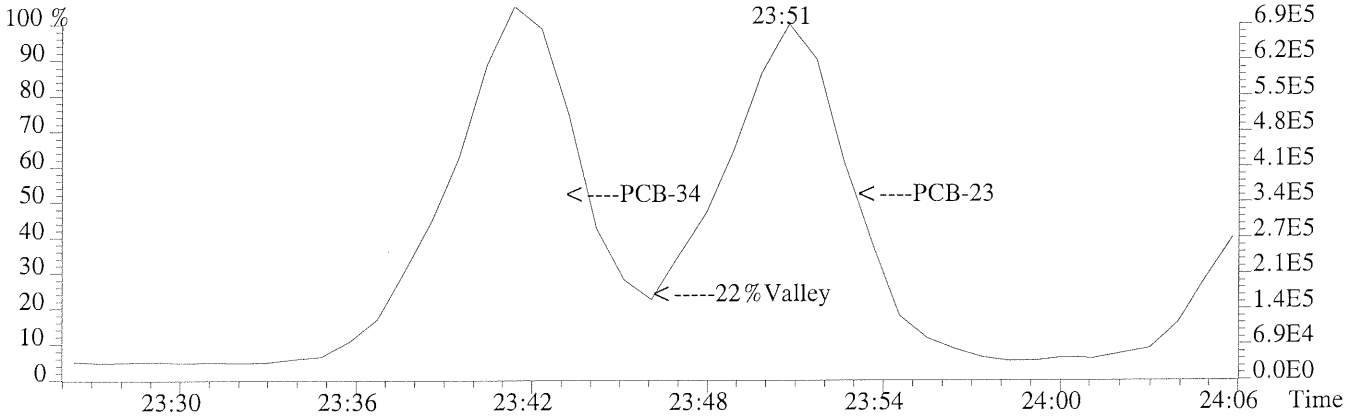
Reference: Section 6.9.1.1 Method 1668

File:U142154 #1-310 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

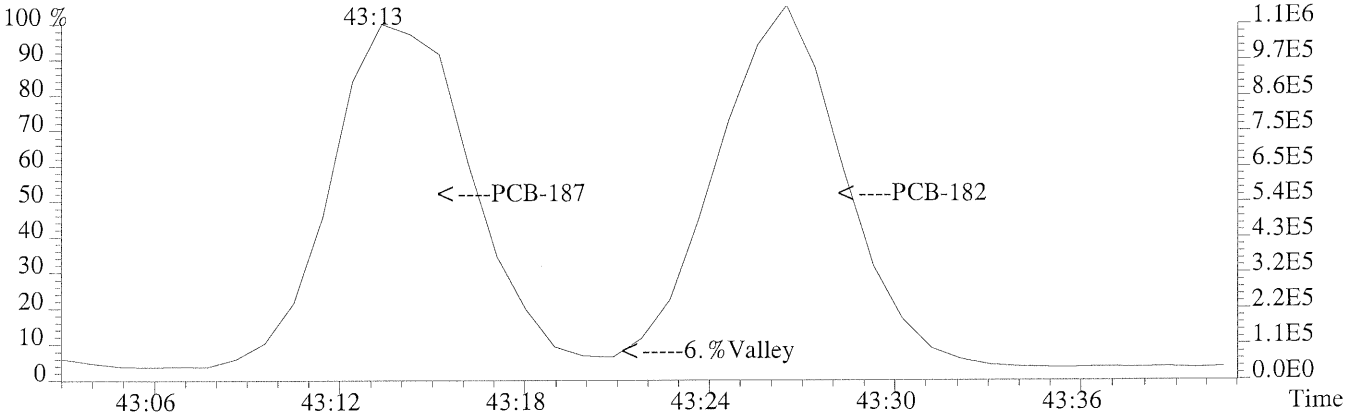
497.6826 F:7



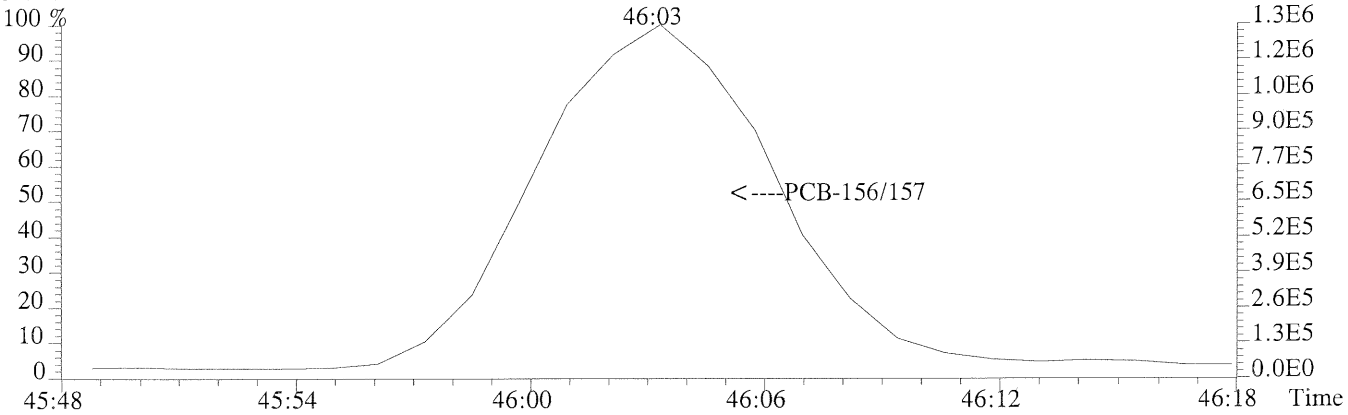
255.9613 F:3



393.8025 F:5



359.8415 F:6



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
PCB 209 INJEC

Run #8 Filename U142154 Samp: 1 Inj: 1 Acquired: 22-NOV-11 06:51:31
Processed: 29-NOV-11 11:02:50 Sample ID: PCB 209 INJECTION

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.0712
2	1	PCB-2	15:27	5.747e+03	1.938e+03	2.97	y	n	1.0036
3	1	PCB-3	NotFnd	*	*	*	n	n	1.0363
4	1	PCB-4	NotFnd	*	*	*	n	n	1.1136
5	1	PCB-10	16:04	7.357e+03	4.841e+03	1.52	y	n	1.9678
6	2	PCB-9	17:56	4.058e+03	2.654e+03	1.53	y	n	1.0828
7	2	PCB-7	18:06	3.981e+03	2.386e+03	1.67	y	n	1.0271
8	2	PCB-6	18:21	4.365e+03	2.838e+03	1.54	y	n	1.1619
9	2	PCB-5	18:39	3.440e+03	2.233e+03	1.54	y	n	0.9151
10	2	PCB-8	18:47	4.674e+03	3.033e+03	1.54	y	n	1.2433
11	2	PCB-14	20:27	4.187e+03	2.825e+03	1.48	y	n	1.1311
12	2	PCB-11	21:19	3.773e+03	2.636e+03	1.43	y	n	1.0339
13	2	PCB-12/13	21:38	7.298e+03	4.955e+03	1.47	y	n	0.9882
14	2	PCB-15	NotFnd	*	*	*	n	n	0.9770
15	2	PCB-19	NotFnd	*	*	*	n	n	1.0009
16	2	PCB-18/30	20:59	7.478e+03	7.447e+03	1.00	y	n	1.3863
17	2	PCB-17	21:25	2.853e+03	2.932e+03	0.97	y	n	1.0747
18	2	PCB-27	21:38	4.579e+03	4.436e+03	1.03	y	n	1.6748
19	2	PCB-24	21:46	3.959e+03	4.064e+03	0.97	y	n	1.4904
20	2	PCB-16	21:53	2.384e+03	2.310e+03	1.03	y	n	0.8721
21	2	PCB-32	22:24	4.706e+03	4.702e+03	1.00	y	n	1.7478
22	3	PCB-34	23:41	3.790e+03	3.760e+03	1.01	y	n	1.4026
23	3	PCB-23	23:51	3.502e+03	3.472e+03	1.01	y	n	1.2957
24	3	PCB-26/29	24:11	7.320e+03	7.259e+03	1.01	y	n	1.3542
25	3	PCB-25	24:24	3.814e+03	3.817e+03	1.00	y	n	1.4176
26	3	PCB-31	24:42	3.816e+03	3.714e+03	1.03	y	y	1.3989
27	3	PCB-20/28	25:01	7.167e+03	6.811e+03	1.05	y	y	1.2984
28	3	PCB-21/33	25:12	7.398e+03	7.252e+03	1.02	y	y	1.3607
29	3	PCB-22	25:39	3.311e+03	3.161e+03	1.05	y	n	1.2022
30	3	PCB-36	27:15	3.818e+03	3.781e+03	1.01	y	y	1.4118
31	3	PCB-39	27:36	3.539e+03	3.493e+03	1.01	y	y	1.3063
32	3	PCB-38	28:11	3.461e+03	3.548e+03	0.98	y	y	1.3020
33	3	PCB-35	28:39	3.424e+03	3.442e+03	0.99	y	y	1.2755
34	3	PCB-37	NotFnd	*	*	*	n	n	1.0888
35	2	PCB-54	NotFnd	*	*	*	n	n	1.0020
36	3	PCB-50/53	24:26	1.082e+04	1.440e+04	0.75	y	n	1.1609
37	3	PCB-45/51	25:07	1.051e+04	1.404e+04	0.75	y	y	1.1297
38	3	PCB-46	25:25	4.436e+03	5.764e+03	0.77	y	n	0.9389
39	3	PCB-52	26:51	5.888e+03	7.971e+03	0.74	y	y	1.2758
40	3	PCB-43/73	27:00	1.131e+04	1.501e+04	0.75	y	y	1.2112
41	3	PCB-49/69	27:19	1.272e+04	1.700e+04	0.75	y	n	1.3680
42	3	PCB-48	27:38	5.219e+03	7.144e+03	0.73	y	n	1.1381
43	3	PCB-44/47/65	27:53	1.771e+04	2.309e+04	0.77	y	n	1.2517
44	3	PCB-59/62/75	28:11	2.125e+04	2.805e+04	0.76	y	n	1.5127
45	3	PCB-42	28:23	5.162e+03	6.778e+03	0.76	y	n	1.0992
46	3	PCB-40/41/71	28:53	1.576e+04	2.127e+04	0.74	y	y	1.1364
47	3	PCB-64	29:07	7.283e+03	9.804e+03	0.74	y	y	1.5729
48	3	PCB-72	29:57	7.455e+03	9.945e+03	0.75	y	n	1.6018
49	3	PCB-68	30:15	7.293e+03	9.809e+03	0.74	y	n	1.5743
50	3	PCB-57	30:40	6.724e+03	9.160e+03	0.73	y	n	1.4621

51	3	PCB-58	30:54	6.506e+03	8.655e+03	0.75	y	n	1.3956
52	3	PCB-67	31:05	6.750e+03	9.239e+03	0.73	y	n	1.4719
53	3	PCB-63	31:21	6.739e+03	9.192e+03	0.73	y	n	1.4665
54	3	PCB-61/70/74/76	31:41	2.643e+04	3.575e+04	0.74	y	y	1.4310
55	3	PCB-66	32:01	6.783e+03	9.246e+03	0.73	y	n	1.4755
56	3	PCB-55	32:10	6.404e+03	8.472e+03	0.76	y	n	1.3694
57	4	PCB-56	32:41	4.178e+03	5.475e+03	0.76	y	n	0.8886
58	4	PCB-60	32:55	5.284e+03	6.803e+03	0.78	y	n	1.1126
59	4	PCB-80	33:20	5.789e+03	7.419e+03	0.78	y	n	1.2158
60	4	PCB-79	34:52	5.641e+03	7.293e+03	0.77	y	n	1.1906
61	4	PCB-78	35:26	5.126e+03	6.485e+03	0.79	y	n	1.0688
62	4	PCB-81	NotFnd	*	*	*	n	n	1.0336
63	4	PCB-77	NotFnd	*	*	*	n	n	0.9953
64	3	PCB-104	NotFnd	*	*	*	n	n	1.0300
65	3	PCB-96	28:11	1.104e+04	7.102e+03	1.55	y	n	1.7146
66	3	PCB-103	30:07	9.296e+03	5.970e+03	1.56	y	n	1.4426
67	3	PCB-94	30:20	7.484e+03	4.745e+03	1.58	y	n	1.1555
68	3	PCB-95	30:48	8.580e+03	5.469e+03	1.57	y	n	1.3275
69	3	PCB-93/100	31:01	1.571e+04	9.970e+03	1.58	y	n	1.2131
70	3	PCB-98/102	31:10	1.598e+04	1.017e+04	1.57	y	n	1.2357
71	3	PCB-88/91	31:38	1.620e+04	1.034e+04	1.57	y	y	1.2543
72	3	PCB-84	31:53	6.763e+03	4.307e+03	1.57	y	n	1.0460
73	3	PCB-89	32:22	7.953e+03	5.165e+03	1.54	y	y	1.2395
74	4	PCB-121	32:48	9.667e+03	6.180e+03	1.56	y	n	1.4974
75	4	PCB-92	33:10	7.181e+03	4.616e+03	1.56	y	n	1.1147
76	4	PCB-90/101/113	33:44	2.330e+04	1.506e+04	1.55	y	n	1.2082
77	4	PCB-83/99	34:21	1.336e+04	8.445e+03	1.58	y	y	1.0303
78	4	PCB-112	34:27	9.977e+03	6.531e+03	1.53	y	y	1.5599
79	4	PCB-86/87/97/109/119/125	34:50	4.658e+04	3.001e+04	1.55	y	y	1.2063
80	4	PCB-117	35:29	6.993e+03	4.327e+03	1.62	y	y	1.0696
81	4	PCB-85/116	35:34	1.741e+04	1.120e+04	1.55	y	y	1.3518
82	4	PCB-110/115	35:49	1.767e+04	1.161e+04	1.52	y	y	1.3835
83	4	PCB-82	36:03	5.834e+03	3.919e+03	1.49	y	y	0.9216
84	4	PCB-111	36:28	8.437e+03	5.590e+03	1.51	y	n	1.3255
85	4	PCB-120	36:56	9.169e+03	5.916e+03	1.55	y	n	1.4254
86	5	PCB-108/124	38:04	1.303e+04	8.481e+03	1.54	y	n	1.0161
87	5	PCB-107	38:18	6.617e+03	4.257e+03	1.55	y	n	1.0275
88	5	PCB-123	NotFnd	*	*	*	n	n	1.0180
89	5	PCB-106	38:33	7.081e+03	3.985e+03	1.78	y	n	1.0456
90	5	PCB-118	NotFnd	*	*	*	n	n	0.9968
91	5	PCB-122	39:06	5.996e+03	3.886e+03	1.54	y	n	0.9338
92	5	PCB-114	NotFnd	*	*	*	n	n	0.9914
93	5	PCB-105	NotFnd	*	*	*	n	n	1.0109
94	5	PCB-127	41:26	5.826e+03	3.780e+03	1.54	y	n	0.9077
95	5	PCB-126	NotFnd	*	*	*	n	n	0.9601
96	4	PCB-155	NotFnd	*	*	*	n	n	0.9884
97	4	PCB-152	33:43	9.805e+03	8.361e+03	1.17	y	n	2.3140
98	4	PCB-150	33:54	9.584e+03	7.943e+03	1.21	y	n	2.2326
99	4	PCB-136	34:15	9.711e+03	7.974e+03	1.22	y	n	2.2527
100	4	PCB-145	34:33	9.190e+03	7.552e+03	1.22	y	n	2.1326
101	4	PCB-148	36:04	7.370e+03	6.092e+03	1.21	y	n	1.7148
102	4	PCB-135/151	36:40	1.394e+04	1.188e+04	1.17	y	n	1.6443
103	4	PCB-154	36:55	7.955e+03	6.648e+03	1.20	y	n	1.8601
104	4	PCB-144	37:14	7.208e+03	6.117e+03	1.18	y	n	1.6973
105	5	PCB-147/149	37:36	1.167e+04	9.394e+03	1.24	y	n	1.3414
106	5	PCB-134	37:47	4.651e+03	3.852e+03	1.21	y	n	1.0830
107	5	PCB-143	37:53	5.752e+03	4.766e+03	1.21	y	n	1.3399

5	PCB-139/140	38:12	1.169e+04	9.366e+03	1.25	y	n	1.3408
5	PCB-131	38:24	5.208e+03	4.128e+03	1.26	y	n	1.1892
5	PCB-142	38:33	5.175e+03	4.127e+03	1.25	y	n	1.1849
5	PCB-132	38:51	4.923e+03	4.095e+03	1.20	y	n	1.1488
5	PCB-133	39:22	5.441e+03	4.453e+03	1.22	y	n	1.2603
5	PCB-165	39:46	6.482e+03	5.306e+03	1.22	y	n	1.5016
5	PCB-146	40:01	5.986e+03	4.870e+03	1.23	y	n	1.3829
5	PCB-161	40:09	7.497e+03	6.139e+03	1.22	y	n	1.7370
5	PCB-153/168	40:39	1.309e+04	1.077e+04	1.22	y	n	1.5195
5	PCB-141	40:50	5.360e+03	4.322e+03	1.24	y	n	1.2333
5	PCB-130	41:14	5.097e+03	4.218e+03	1.21	y	n	1.1866
5	PCB-137	41:28	5.066e+03	4.096e+03	1.24	y	n	1.1670
5	PCB-164	41:35	6.731e+03	5.363e+03	1.26	y	n	1.5406
5	PCB-129/138/163	41:54	1.600e+04	1.316e+04	1.22	y	n	1.2381
5	PCB-160	42:03	6.563e+03	5.333e+03	1.23	y	n	1.5153
5	PCB-158	42:16	6.977e+03	5.696e+03	1.22	y	n	1.6142
5	PCB-128/166	43:08	1.111e+04	9.007e+03	1.23	y	n	1.2812
6	PCB-159	44:09	3.935e+03	3.206e+03	1.23	y	n	0.9096
6	PCB-162	44:28	1.859e+03	1.692e+03	1.10	y	n	0.4524
6	PCB-167	NotFnd	*	*	*	n	n	1.0081
6	PCB-156/157	NotFnd	*	*	*	n	n	1.0060
6	PCB-169	NotFnd	*	*	*	n	n	0.9915
5	PCB-188	NotFnd	*	*	*	n	n	0.9902
5	PCB-179	39:36	8.094e+03	7.797e+03	1.04	y	n	1.5564
5	PCB-184	40:08	8.266e+03	7.998e+03	1.03	y	n	1.5929
5	PCB-176	40:29	7.779e+03	7.813e+03	1.00	y	n	1.5271
5	PCB-186	40:57	7.199e+03	7.349e+03	0.98	y	n	1.4248
5	PCB-178	42:20	5.700e+03	5.399e+03	1.06	y	n	1.0871
5	PCB-175	42:57	5.731e+03	5.884e+03	0.97	y	n	1.1376
5	PCB-187	43:14	5.842e+03	5.983e+03	0.98	y	n	1.1582
5	PCB-182	43:26	5.681e+03	5.755e+03	0.99	y	n	1.1201
6	PCB-183	43:51	3.874e+03	3.993e+03	0.97	y	n	0.7705
6	PCB-185	43:57	3.090e+03	3.164e+03	0.98	y	n	0.6125
6	PCB-174	44:06	3.097e+03	3.223e+03	0.96	y	n	0.6189
6	PCB-177	44:35	2.928e+03	3.001e+03	0.98	y	n	0.5806
6	PCB-181	44:59	3.085e+03	3.187e+03	0.97	y	n	0.6143
6	PCB-171/173	45:10	5.790e+03	5.948e+03	0.97	y	n	0.5748
6	PCB-172	46:47	2.875e+03	2.908e+03	0.99	y	n	0.5665
6	PCB-192	47:04	3.485e+03	3.545e+03	0.98	y	n	0.6885
6	PCB-180/193	47:23	6.690e+03	6.902e+03	0.97	y	n	0.6656
6	PCB-191	47:46	3.824e+03	3.923e+03	0.97	y	n	0.7588
6	PCB-170	48:41	2.684e+03	2.669e+03	1.01	y	n	0.5243
6	PCB-190	49:14	3.456e+03	3.686e+03	0.94	y	y	0.6995
6	PCB-189	NotFnd	*	*	*	n	n	0.8632
6	PCB-202	NotFnd	*	*	*	n	n	0.8634
6	PCB-201	45:34	6.923e+03	8.395e+03	0.82	y	n	1.3748
6	PCB-204	46:14	6.720e+03	8.020e+03	0.84	y	n	1.3230
6	PCB-197	46:28	6.522e+03	7.763e+03	0.84	y	n	1.2821
6	PCB-200	46:35	6.815e+03	7.886e+03	0.86	y	n	1.3195
6	PCB-198/199	49:22	8.692e+03	1.040e+04	0.84	y	n	0.8569
6	PCB-196	50:02	4.388e+03	5.267e+03	0.83	y	n	0.8666
6	PCB-203	50:14	4.653e+03	5.546e+03	0.84	y	n	0.9154
6	PCB-195	51:33	3.982e+03	4.641e+03	0.86	y	n	0.7740
6	PCB-194	53:55	3.862e+03	4.641e+03	0.83	y	n	0.7632
6	PCB-205	NotFnd	*	*	*	n	n	0.8885
6	PCB-208	NotFnd	*	*	*	n	n	0.8804
6	PCB-207	52:14	5.053e+03	6.391e+03	0.79	y	n	1.3351

165	7	PCB-206	NotFnd	*	*	*	n	n	0.9310
166	7	PCB-209	NotFnd	*	*	*	n	n	0.8938
167	1	PCB-1L	13:21	2.303e+04	7.758e+03	2.97	y	n	1.2197
168	1	PCB-3L	15:38	2.302e+04	7.448e+03	3.09	y	n	1.1732
169	1	PCB-4L	15:52	1.570e+04	1.012e+04	1.55	y	n	0.8031
170	2	PCB-15L	21:56	1.438e+04	9.397e+03	1.53	y	n	0.9620
171	2	PCB-19L	19:03	1.042e+04	1.027e+04	1.01	y	n	0.6361
172	3	PCB-37L	29:03	1.120e+04	1.118e+04	1.00	y	n	1.1440
173	2	PCB-54L	22:13	1.271e+04	1.620e+04	0.78	y	n	1.1399
174	4	PCB-81L	35:51	7.964e+03	1.008e+04	0.79	y	n	0.9468
175	4	PCB-77L	36:25	8.157e+03	1.007e+04	0.81	y	n	0.9489
176	3	PCB-104L	27:46	1.952e+04	1.257e+04	1.55	y	n	1.3966
177	5	PCB-123L	38:24	1.048e+04	6.986e+03	1.50	y	n	1.0295
178	5	PCB-118L	38:44	1.105e+04	6.958e+03	1.59	y	n	1.0766
179	5	PCB-114L	39:16	1.044e+04	6.655e+03	1.57	y	n	1.0747
180	5	PCB-105L	39:55	9.986e+03	6.513e+03	1.53	y	n	1.0133
181	5	PCB-126L	43:01	8.462e+03	5.429e+03	1.56	y	n	0.8978
182	4	PCB-155L	33:30	1.892e+04	1.511e+04	1.25	y	n	1.6371
183	6	PCB-167L	44:57	6.793e+03	5.397e+03	1.26	y	n	0.8820
184	6	PCB-156/157L	46:02	1.241e+04	1.016e+04	1.22	y	n	0.8178
185	6	PCB-169L	49:16	5.427e+03	4.285e+03	1.27	y	n	0.7164
186	5	PCB-188L	39:15	1.500e+04	1.444e+04	1.04	y	n	2.3576
187	6	PCB-189L	51:48	5.769e+03	5.630e+03	1.02	y	n	1.3072
188	6	PCB-202L	44:41	8.653e+03	9.802e+03	0.88	y	n	1.8043
189	6	PCB-205L	54:22	5.286e+03	5.969e+03	0.89	y	n	1.3631
190	6	PCB-208L	51:17	6.559e+03	8.080e+03	0.81	y	n	1.3370
191	7	PCB-206L	56:05	3.603e+03	4.618e+03	0.78	y	n	0.9978
192	7	PCB-209L	57:40	5.761e+03	4.898e+03	1.18	y	n	1.5625
193	3	PCB-28L	NotFnd	*	*	*	n	n	1.3869
194	4	PCB-111L	NotFnd	*	*	*	n	n	1.2384
195	5	PCB-178L	NotFnd	*	*	*	n	n	0.9527
196	2	PCB-9L	NotFnd	*	*	*	n	n	-
197	3	PCB-52L	NotFnd	*	*	*	n	n	-
198	4	PCB-101L	NotFnd	*	*	*	n	n	-
199	5	PCB-138L	NotFnd	*	*	*	n	n	-
200	6	PCB-194L	NotFnd	*	*	*	n	n	-

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
PCB 209 INJECTION

Run #8 Filename U142154#1 Samp: 1 Inj: 1 Acquired: 22-NOV-11 06:51:31

Processed: 29-NOV-11 11:02:50 LAB. ID: PCB 209 INJECTION

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.84e+03	*	*	1.36e+03	*
2	PCB-2	1.16e+06	1.84e+03	6.3e+02	3.87e+05	1.36e+03	2.8e+02
3	PCB-3	*	1.84e+03	*	*	1.36e+03	*
4	PCB-4	*	1.68e+03	*	*	1.15e+04	*
5	PCB-10	1.57e+06	1.68e+03	9.4e+02	1.01e+06	1.15e+04	8.7e+01
6	PCB-9	8.66e+05	1.82e+03	4.8e+02	5.71e+05	1.49e+04	3.8e+01
7	PCB-7	8.11e+05	1.82e+03	4.5e+02	5.06e+05	1.49e+04	3.4e+01
8	PCB-6	8.34e+05	1.82e+03	4.6e+02	5.56e+05	1.49e+04	3.7e+01
9	PCB-5	7.43e+05	1.82e+03	4.1e+02	4.79e+05	1.49e+04	3.2e+01
10	PCB-8	8.53e+05	1.82e+03	4.7e+02	5.67e+05	1.49e+04	3.8e+01
11	PCB-14	7.58e+05	1.82e+03	4.2e+02	5.18e+05	1.49e+04	3.5e+01
12	PCB-11	6.17e+05	1.82e+03	3.4e+02	4.36e+05	1.49e+04	2.9e+01
13	PCB-12/13	1.01e+06	1.82e+03	5.6e+02	6.77e+05	1.49e+04	4.5e+01
14	PCB-15	*	1.82e+03	*	*	1.49e+04	*
15	PCB-19	*	1.16e+03	*	*	9.00e+02	*
16	PCB-18/30	1.31e+06	1.16e+03	1.1e+03	1.29e+06	9.00e+02	1.4e+03
17	PCB-17	5.60e+05	1.16e+03	4.8e+02	5.74e+05	9.00e+02	6.4e+02
18	PCB-27	8.42e+05	1.16e+03	7.3e+02	8.44e+05	9.00e+02	9.4e+02
19	PCB-24	7.46e+05	1.16e+03	6.5e+02	7.90e+05	9.00e+02	8.8e+02
20	PCB-16	4.77e+05	1.16e+03	4.1e+02	4.67e+05	9.00e+02	5.2e+02
21	PCB-32	9.03e+05	1.16e+03	7.8e+02	9.05e+05	9.00e+02	1.0e+03
22	PCB-34	6.34e+05	3.95e+04	1.6e+01	6.31e+05	3.72e+04	1.7e+01
23	PCB-23	5.96e+05	3.95e+04	1.5e+01	5.84e+05	3.72e+04	1.6e+01
24	PCB-26/29	1.07e+06	3.95e+04	2.7e+01	1.06e+06	3.72e+04	2.8e+01
25	PCB-25	5.92e+05	3.95e+04	1.5e+01	6.03e+05	3.72e+04	1.6e+01
26	PCB-31	6.32e+05	3.95e+04	1.6e+01	6.25e+05	3.72e+04	1.7e+01
27	PCB-20/28	1.07e+06	3.95e+04	2.7e+01	1.06e+06	3.72e+04	2.8e+01
28	PCB-21/33	8.11e+05	3.95e+04	2.1e+01	7.87e+05	3.72e+04	2.1e+01
29	PCB-22	5.70e+05	3.95e+04	1.4e+01	5.43e+05	3.72e+04	1.5e+01
30	PCB-36	6.01e+05	3.95e+04	1.5e+01	5.88e+05	3.72e+04	1.6e+01
31	PCB-39	5.81e+05	3.95e+04	1.5e+01	5.59e+05	3.72e+04	1.5e+01
32	PCB-38	5.82e+05	3.95e+04	1.5e+01	6.03e+05	3.72e+04	1.6e+01
33	PCB-35	5.37e+05	3.95e+04	1.4e+01	5.21e+05	3.72e+04	1.4e+01
34	PCB-37	*	3.95e+04	*	*	3.72e+04	*
35	PCB-54	*	9.32e+02	*	*	9.76e+02	*
36	PCB-50/53	1.65e+06	7.58e+03	2.2e+02	2.21e+06	1.29e+04	1.7e+02
37	PCB-45/51	1.00e+06	7.58e+03	1.3e+02	1.34e+06	1.29e+04	1.0e+02
38	PCB-46	7.66e+05	7.58e+03	1.0e+02	9.98e+05	1.29e+04	7.7e+01
39	PCB-52	9.87e+05	7.58e+03	1.3e+02	1.33e+06	1.29e+04	1.0e+02
40	PCB-43/73	1.28e+06	7.58e+03	1.7e+02	1.66e+06	1.29e+04	1.3e+02
41	PCB-49/69	1.60e+06	7.58e+03	2.1e+02	2.12e+06	1.29e+04	1.6e+02
42	PCB-48	9.31e+05	7.58e+03	1.2e+02	1.27e+06	1.29e+04	9.8e+01
43	PCB-44/47/65	2.52e+06	7.58e+03	3.3e+02	3.31e+06	1.29e+04	2.6e+02
44	PCB-59/62/75	2.71e+06	7.58e+03	3.6e+02	3.58e+06	1.29e+04	2.8e+02
45	PCB-42	8.82e+05	7.58e+03	1.2e+02	1.15e+06	1.29e+04	8.9e+01
46	PCB-40/41/71	1.88e+06	7.58e+03	2.5e+02	2.58e+06	1.29e+04	2.0e+02
47	PCB-64	1.25e+06	7.58e+03	1.6e+02	1.68e+06	1.29e+04	1.3e+02

Run #8 Filename U142154#1 Samp: 1 Acquired: 22-NOV-11 06:51:31

PCB-72	1.32e+06	7.58e+03	1.7e+02	1.75e+06	1.29e+04	1.4e+02
PCB-68	1.24e+06	7.58e+03	1.6e+02	1.68e+06	1.29e+04	1.3e+02
PCB-57	1.24e+06	7.58e+03	1.6e+02	1.68e+06	1.29e+04	1.3e+02
PCB-58	1.15e+06	7.58e+03	1.5e+02	1.52e+06	1.29e+04	1.2e+02
PCB-67	1.19e+06	7.58e+03	1.6e+02	1.61e+06	1.29e+04	1.2e+02
PCB-63	1.22e+06	7.58e+03	1.6e+02	1.68e+06	1.29e+04	1.3e+02
PCB-61/70/74/76	2.55e+06	7.58e+03	3.4e+02	3.40e+06	1.29e+04	2.6e+02
PCB-66	1.20e+06	7.58e+03	1.6e+02	1.64e+06	1.29e+04	1.3e+02
PCB-55	1.13e+06	7.58e+03	1.5e+02	1.50e+06	1.29e+04	1.2e+02
PCB-56	8.77e+05	1.26e+04	7.0e+01	1.13e+06	1.84e+04	6.2e+01
PCB-60	9.54e+05	1.26e+04	7.6e+01	1.18e+06	1.84e+04	6.4e+01
PCB-80	1.06e+06	1.26e+04	8.4e+01	1.31e+06	1.84e+04	7.1e+01
PCB-79	9.37e+05	1.26e+04	7.5e+01	1.25e+06	1.84e+04	6.8e+01
PCB-78	8.39e+05	1.26e+04	6.7e+01	1.09e+06	1.84e+04	5.9e+01
PCB-81	*	1.26e+04	*	*	1.84e+04	*
PCB-77	*	1.26e+04	*	*	1.84e+04	*
PCB-104	*	6.40e+02	*	*	6.88e+02	*
PCB-96	1.90e+06	6.40e+02	3.0e+03	1.24e+06	6.88e+02	1.8e+03
PCB-103	1.64e+06	6.40e+02	2.6e+03	1.07e+06	6.88e+02	1.6e+03
PCB-94	1.31e+06	6.40e+02	2.0e+03	8.38e+05	6.88e+02	1.2e+03
PCB-95	1.56e+06	6.40e+02	2.4e+03	1.00e+06	6.88e+02	1.5e+03
PCB-93/100	2.68e+06	6.40e+02	4.2e+03	1.71e+06	6.88e+02	2.5e+03
PCB-98/102	1.75e+06	6.40e+02	2.7e+03	1.12e+06	6.88e+02	1.6e+03
PCB-88/91	1.47e+06	6.40e+02	2.3e+03	9.43e+05	6.88e+02	1.4e+03
PCB-84	1.22e+06	6.40e+02	1.9e+03	7.73e+05	6.88e+02	1.1e+03
PCB-89	1.37e+06	6.40e+02	2.1e+03	8.82e+05	6.88e+02	1.3e+03
PCB-121	1.73e+06	2.76e+04	6.3e+01	1.11e+06	1.30e+04	8.6e+01
PCB-92	1.32e+06	2.76e+04	4.8e+01	8.33e+05	1.30e+04	6.4e+01
PCB-90/101/113	2.96e+06	2.76e+04	1.1e+02	1.87e+06	1.30e+04	1.4e+02
PCB-83/99	1.44e+06	2.76e+04	5.2e+01	8.99e+05	1.30e+04	6.9e+01
PCB-112	1.62e+06	2.76e+04	5.9e+01	1.05e+06	1.30e+04	8.1e+01
CB-86/87/97/109/119/125	4.84e+06	2.76e+04	1.8e+02	3.15e+06	1.30e+04	2.4e+02
PCB-117	1.71e+06	2.76e+04	6.2e+01	1.10e+06	1.30e+04	8.4e+01
PCB-85/116	2.78e+06	2.76e+04	1.0e+02	1.80e+06	1.30e+04	1.4e+02
PCB-110/115	1.84e+06	2.76e+04	6.7e+01	1.18e+06	1.30e+04	9.1e+01
PCB-82	1.01e+06	2.76e+04	3.6e+01	6.75e+05	1.30e+04	5.2e+01
PCB-111	1.53e+06	2.76e+04	5.5e+01	1.00e+06	1.30e+04	7.7e+01
PCB-120	1.63e+06	2.76e+04	5.9e+01	1.05e+06	1.30e+04	8.1e+01
PCB-108/124	2.21e+06	1.62e+04	1.4e+02	1.41e+06	7.99e+03	1.8e+02
PCB-107	1.17e+06	1.62e+04	7.2e+01	7.58e+05	7.99e+03	9.5e+01
PCB-123	*	1.62e+04	*	*	7.99e+03	*
PCB-106	1.18e+06	1.62e+04	7.3e+01	7.25e+05	7.99e+03	9.1e+01
PCB-118	*	1.62e+04	*	*	7.99e+03	*
PCB-122	1.03e+06	1.62e+04	6.3e+01	6.75e+05	7.99e+03	8.4e+01
PCB-114	*	1.62e+04	*	*	7.99e+03	*
PCB-105	*	1.62e+04	*	*	7.99e+03	*
PCB-127	9.78e+05	1.62e+04	6.0e+01	6.28e+05	7.99e+03	7.9e+01
PCB-126	*	1.62e+04	*	*	7.99e+03	*
PCB-155	*	4.08e+03	*	*	1.69e+03	*
PCB-152	1.75e+06	4.08e+03	4.3e+02	1.50e+06	1.69e+03	8.9e+02
PCB-150	1.70e+06	4.08e+03	4.2e+02	1.42e+06	1.69e+03	8.4e+02
PCB-136	1.68e+06	4.08e+03	4.1e+02	1.41e+06	1.69e+03	8.3e+02
PCB-145	1.66e+06	4.08e+03	4.1e+02	1.36e+06	1.69e+03	8.1e+02
PCB-148	1.34e+06	4.08e+03	3.3e+02	1.08e+06	1.69e+03	6.4e+02
PCB-135/151	1.52e+06	4.08e+03	3.7e+02	1.30e+06	1.69e+03	7.7e+02
PCB-154	1.39e+06	4.08e+03	3.4e+02	1.18e+06	1.69e+03	7.0e+02
PCB-144	1.27e+06	4.08e+03	3.1e+02	1.09e+06	1.69e+03	6.4e+02

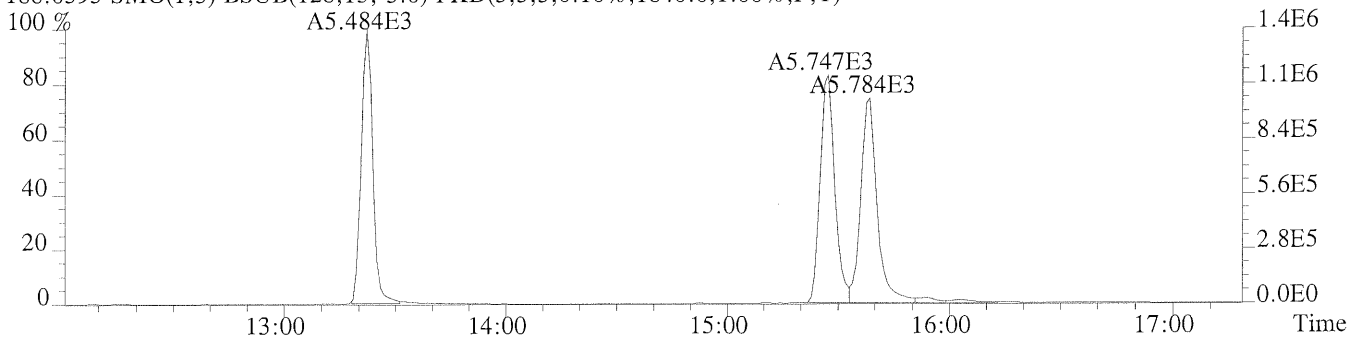
Run #8 Filename U142154#1 Samp: 1 Acquired: 22-NOV-11 06:51:31

PCB-147/149	2.12e+06	1.50e+04	1.4e+02	1.69e+06	1.72e+04	9.8e+01
PCB-134	8.91e+05	1.50e+04	5.9e+01	7.28e+05	1.72e+04	4.2e+01
PCB-143	1.00e+06	1.50e+04	6.7e+01	8.43e+05	1.72e+04	4.9e+01
PCB-139/140	1.95e+06	1.50e+04	1.3e+02	1.54e+06	1.72e+04	9.0e+01
PCB-131	9.03e+05	1.50e+04	6.0e+01	7.18e+05	1.72e+04	4.2e+01
PCB-142	9.16e+05	1.50e+04	6.1e+01	7.43e+05	1.72e+04	4.3e+01
PCB-132	8.93e+05	1.50e+04	6.0e+01	7.35e+05	1.72e+04	4.3e+01
PCB-133	9.45e+05	1.50e+04	6.3e+01	8.01e+05	1.72e+04	4.7e+01
PCB-165	1.14e+06	1.50e+04	7.6e+01	9.38e+05	1.72e+04	5.5e+01
PCB-146	1.08e+06	1.50e+04	7.2e+01	8.66e+05	1.72e+04	5.0e+01
PCB-161	1.29e+06	1.50e+04	8.6e+01	1.08e+06	1.72e+04	6.3e+01
PCB-153/168	1.86e+06	1.50e+04	1.2e+02	1.54e+06	1.72e+04	9.0e+01
PCB-141	8.80e+05	1.50e+04	5.9e+01	7.50e+05	1.72e+04	4.4e+01
PCB-130	8.40e+05	1.50e+04	5.6e+01	7.08e+05	1.72e+04	4.1e+01
PCB-137	9.30e+05	1.50e+04	6.2e+01	7.45e+05	1.72e+04	4.3e+01
PCB-164	1.15e+06	1.50e+04	7.7e+01	9.34e+05	1.72e+04	5.4e+01
PCB-129/138/163	2.41e+06	1.50e+04	1.6e+02	1.98e+06	1.72e+04	1.2e+02
PCB-160	1.10e+06	1.50e+04	7.3e+01	9.13e+05	1.72e+04	5.3e+01
PCB-158	1.16e+06	1.50e+04	7.7e+01	9.77e+05	1.72e+04	5.7e+01
PCB-128/166	1.65e+06	1.50e+04	1.1e+02	1.37e+06	1.72e+04	8.0e+01
PCB-159	8.23e+05	1.80e+04	4.6e+01	6.66e+05	1.32e+04	5.0e+01
PCB-162	2.64e+05	1.80e+04	1.5e+01	2.19e+05	1.32e+04	1.7e+01
PCB-167	*	1.80e+04	*	*	1.32e+04	*
PCB-156/157	*	1.80e+04	*	*	1.32e+04	*
PCB-169	*	1.80e+04	*	*	1.32e+04	*
PCB-188	*	1.12e+03	*	*	1.34e+03	*
PCB-179	1.43e+06	1.12e+03	1.3e+03	1.39e+06	1.34e+03	1.0e+03
PCB-184	1.44e+06	1.12e+03	1.3e+03	1.39e+06	1.34e+03	1.0e+03
PCB-176	1.36e+06	1.12e+03	1.2e+03	1.36e+06	1.34e+03	1.0e+03
PCB-186	1.22e+06	1.12e+03	1.1e+03	1.24e+06	1.34e+03	9.2e+02
PCB-178	1.00e+06	1.12e+03	9.0e+02	9.47e+05	1.34e+03	7.0e+02
PCB-175	9.97e+05	1.12e+03	8.9e+02	1.03e+06	1.34e+03	7.6e+02
PCB-187	1.00e+06	1.12e+03	9.0e+02	1.02e+06	1.34e+03	7.6e+02
PCB-182	9.95e+05	1.12e+03	8.9e+02	9.74e+05	1.34e+03	7.3e+02
PCB-183	8.19e+05	5.11e+03	1.6e+02	8.41e+05	2.24e+03	3.8e+02
PCB-185	7.06e+05	5.11e+03	1.4e+02	7.25e+05	2.24e+03	3.2e+02
PCB-174	6.64e+05	5.11e+03	1.3e+02	6.90e+05	2.24e+03	3.1e+02
PCB-177	5.61e+05	5.11e+03	1.1e+02	5.63e+05	2.24e+03	2.5e+02
PCB-181	7.32e+05	5.11e+03	1.4e+02	7.71e+05	2.24e+03	3.4e+02
PCB-171/173	1.40e+06	5.11e+03	2.7e+02	1.43e+06	2.24e+03	6.4e+02
PCB-172	6.11e+05	5.11e+03	1.2e+02	6.11e+05	2.24e+03	2.7e+02
PCB-192	7.37e+05	5.11e+03	1.4e+02	7.40e+05	2.24e+03	3.3e+02
PCB-180/193	9.93e+05	5.11e+03	1.9e+02	1.01e+06	2.24e+03	4.5e+02
PCB-191	7.87e+05	5.11e+03	1.5e+02	7.93e+05	2.24e+03	3.5e+02
PCB-170	5.52e+05	5.11e+03	1.1e+02	5.55e+05	2.24e+03	2.5e+02
PCB-190	6.72e+05	5.11e+03	1.3e+02	7.08e+05	2.24e+03	3.2e+02
PCB-189	*	5.11e+03	*	*	2.24e+03	*
PCB-202	*	7.56e+02	*	*	1.43e+03	*
PCB-201	1.45e+06	7.56e+02	1.9e+03	1.77e+06	1.43e+03	1.2e+03
PCB-204	1.41e+06	7.56e+02	1.9e+03	1.73e+06	1.43e+03	1.2e+03
PCB-197	1.39e+06	7.56e+02	1.8e+03	1.65e+06	1.43e+03	1.2e+03
PCB-200	1.41e+06	7.56e+02	1.9e+03	1.64e+06	1.43e+03	1.1e+03
PCB-198/199	1.38e+06	7.56e+02	1.8e+03	1.61e+06	1.43e+03	1.1e+03
PCB-196	9.33e+05	7.56e+02	1.2e+03	1.13e+06	1.43e+03	7.9e+02
PCB-203	9.77e+05	7.56e+02	1.3e+03	1.18e+06	1.43e+03	8.2e+02
PCB-195	8.15e+05	7.56e+02	1.1e+03	9.58e+05	1.43e+03	6.7e+02
PCB-194	7.77e+05	7.56e+02	1.0e+03	9.26e+05	1.43e+03	6.5e+02
PCB-205	*	7.56e+02	*	*	1.43e+03	*

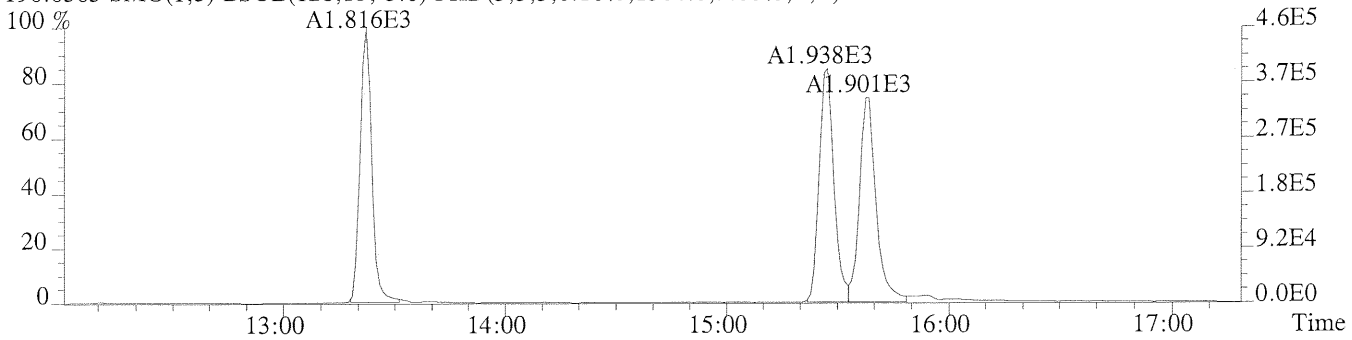
PCB-208	*	1.67e+03	*	*	1.28e+03	*
PCB-207	1.02e+06	1.67e+03	6.1e+02	1.28e+06	1.28e+03	1.0e+03
PCB-206	*	1.23e+03	*	*	1.53e+03	*
PCB-209	*	7.72e+02	*	*	1.02e+03	*
PCB-1L	5.87e+06	3.32e+03	1.8e+03	1.96e+06	1.38e+04	1.4e+02
PCB-3L	4.28e+06	3.32e+03	1.3e+03	1.38e+06	1.38e+04	1.0e+02
PCB-4L	3.38e+06	1.91e+03	1.8e+03	2.17e+06	1.58e+03	1.4e+03
PCB-15L	2.27e+06	3.46e+03	6.6e+02	1.49e+06	1.27e+03	1.2e+03
PCB-19L	2.15e+06	1.30e+04	1.7e+02	2.12e+06	9.09e+03	2.3e+02
PCB-37L	1.76e+06	1.31e+04	1.3e+02	1.69e+06	8.34e+03	2.0e+02
PCB-54L	2.44e+06	1.12e+03	2.2e+03	3.11e+06	7.44e+02	4.2e+03
PCB-81L	1.37e+06	1.62e+03	8.5e+02	1.71e+06	1.20e+03	1.4e+03
PCB-77L	1.31e+06	1.62e+03	8.1e+02	1.63e+06	1.20e+03	1.4e+03
PCB-104L	3.41e+06	8.68e+02	3.9e+03	2.24e+06	6.64e+02	3.4e+03
PCB-123L	1.79e+06	1.11e+04	1.6e+02	1.20e+06	4.85e+03	2.5e+02
PCB-118L	1.91e+06	1.11e+04	1.7e+02	1.21e+06	4.85e+03	2.5e+02
PCB-114L	1.85e+06	1.11e+04	1.7e+02	1.18e+06	4.85e+03	2.4e+02
PCB-105L	1.68e+06	1.11e+04	1.5e+02	1.10e+06	4.85e+03	2.3e+02
PCB-126L	1.45e+06	1.11e+04	1.3e+02	9.02e+05	4.85e+03	1.9e+02
PCB-155L	3.46e+06	6.32e+02	5.5e+03	2.77e+06	8.52e+02	3.2e+03
PCB-167L	1.67e+06	1.75e+03	9.5e+02	1.31e+06	2.96e+03	4.4e+02
PCB-156/157L	1.96e+06	1.75e+03	1.1e+03	1.60e+06	2.96e+03	5.4e+02
PCB-169L	1.06e+06	1.75e+03	6.1e+02	8.17e+05	2.96e+03	2.8e+02
PCB-188L	2.64e+06	1.34e+03	2.0e+03	2.57e+06	1.12e+03	2.3e+03
PCB-189L	1.16e+06	1.54e+03	7.6e+02	1.14e+06	9.08e+02	1.3e+03
PCB-202L	1.67e+06	7.76e+02	2.1e+03	1.89e+06	9.40e+02	2.0e+03
PCB-205L	1.01e+06	7.76e+02	1.3e+03	1.14e+06	9.40e+02	1.2e+03
PCB-208L	1.34e+06	1.10e+03	1.2e+03	1.66e+06	1.20e+03	1.4e+03
PCB-206L	6.60e+05	8.72e+02	7.6e+02	8.40e+05	1.16e+03	7.3e+02
PCB-209L	1.05e+06	6.84e+02	1.5e+03	8.64e+05	7.48e+02	1.2e+03
PCB-28L	*	1.31e+04	*	*	8.34e+03	*
PCB-111L	*	1.08e+03	*	*	1.12e+03	*
PCB-178L	*	1.34e+03	*	*	1.12e+03	*
PCB-9L	*	3.46e+03	*	*	1.27e+03	*
PCB-52L	*	1.74e+03	*	*	1.33e+03	*
PCB-101L	*	1.08e+03	*	*	1.12e+03	*
PCB-138L	*	1.05e+03	*	*	9.68e+02	*
PCB-194L	*	7.76e+02	*	*	9.40e+02	*

File:U142154 #1-341 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

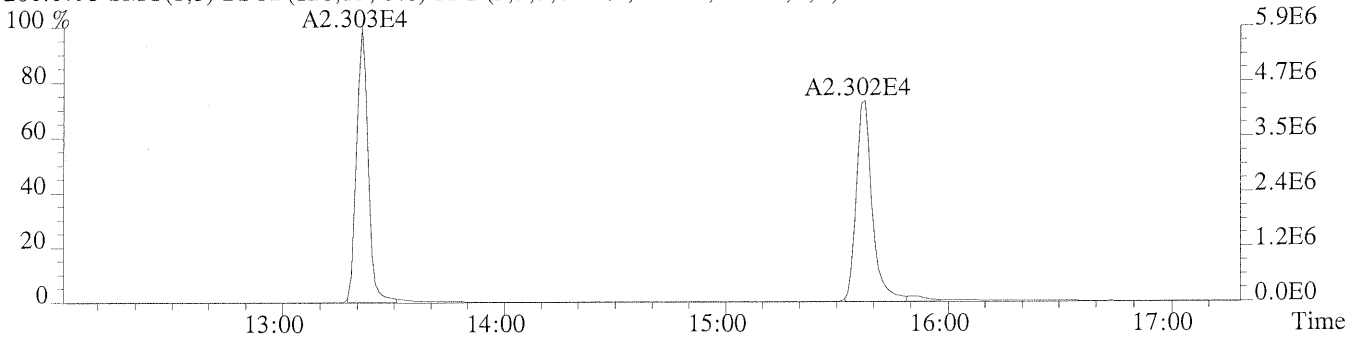
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1840.0,1.00%,F,T)



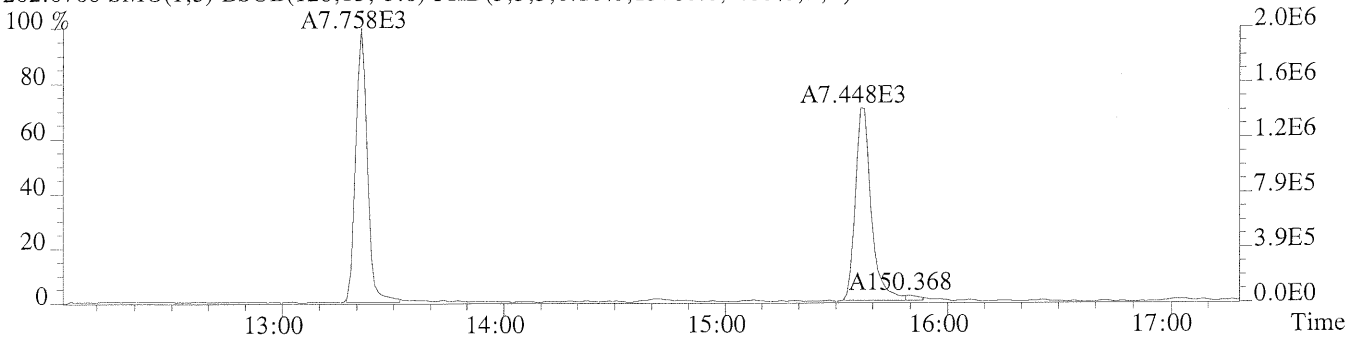
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1364.0,1.00%,F,T)



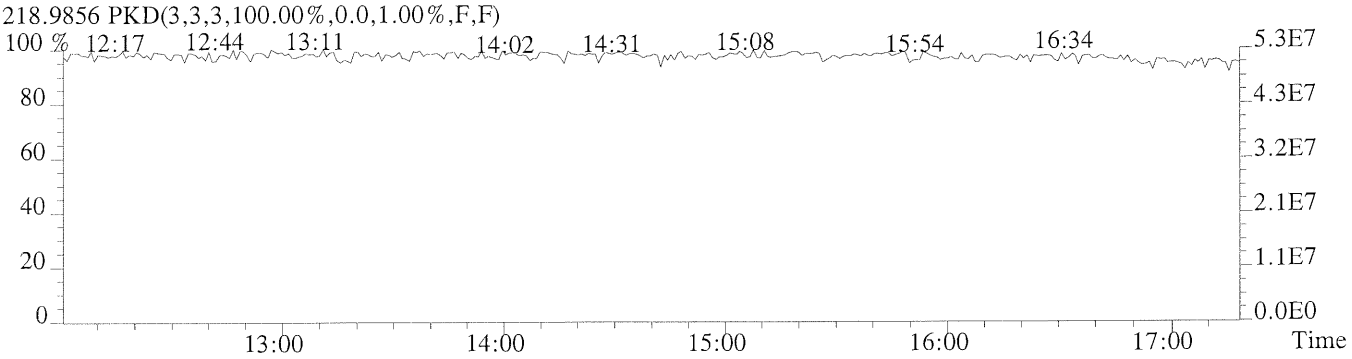
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3316.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13760.0,1.00%,F,T)

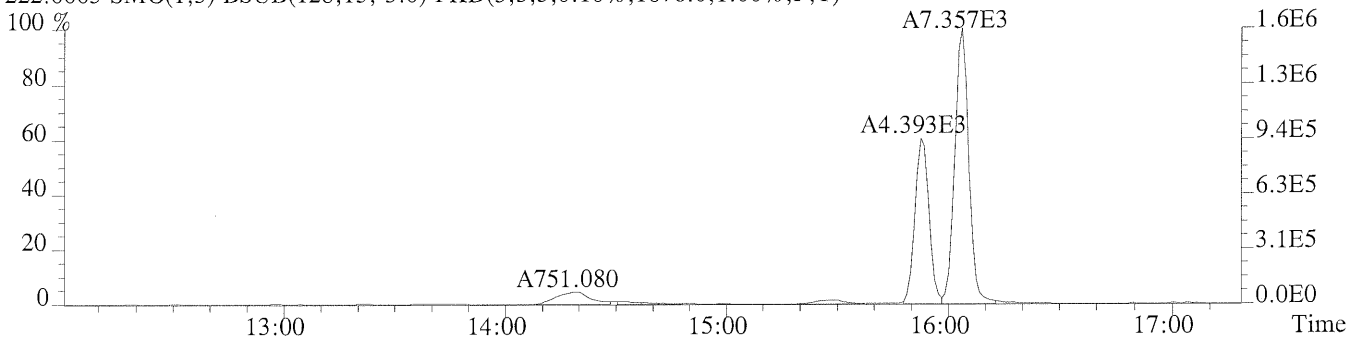


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

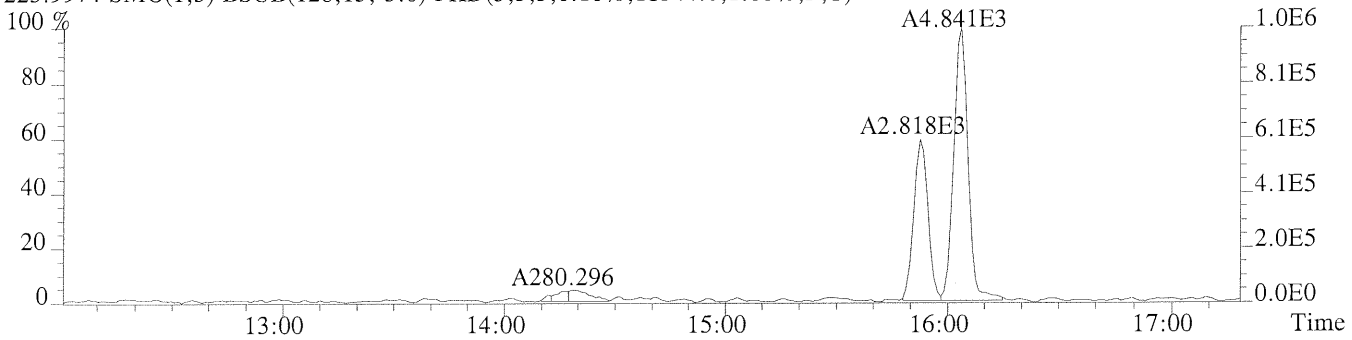


File:U142154 #1-341 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

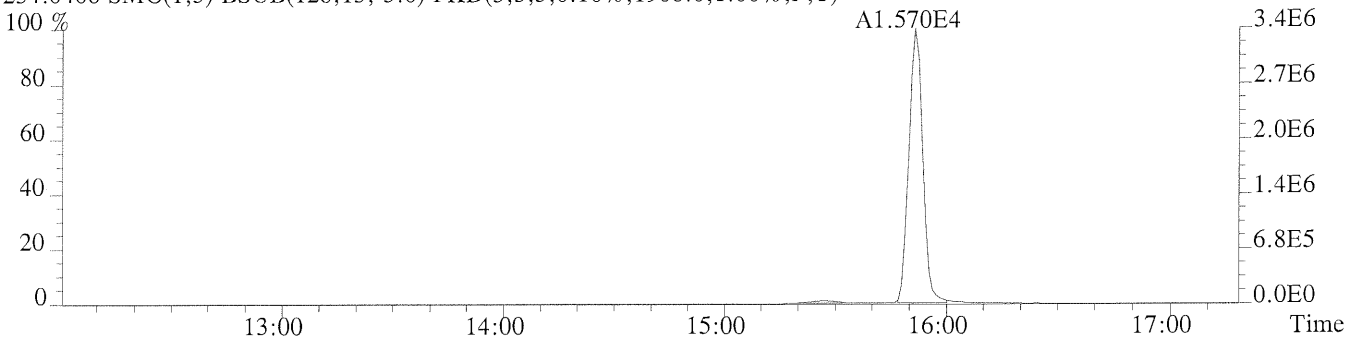
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1676.0,1.00%,F,T)



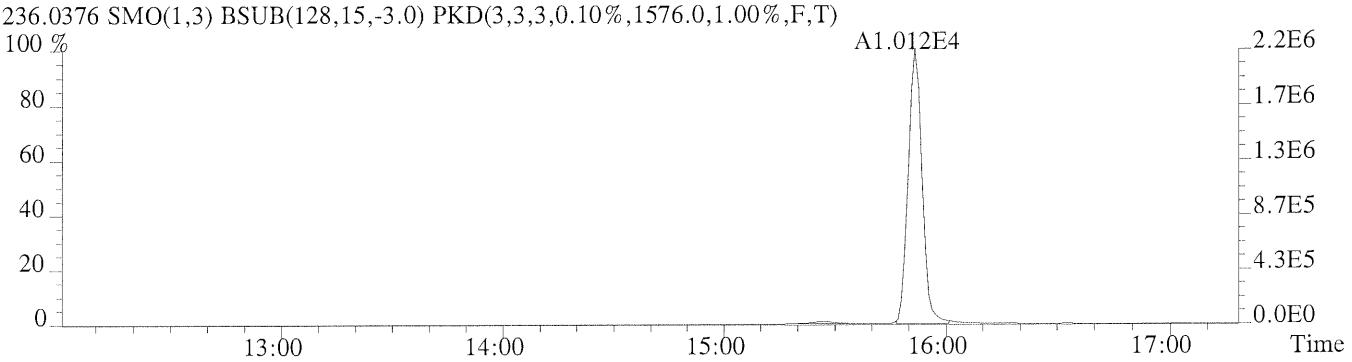
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11544.0,1.00%,F,T)



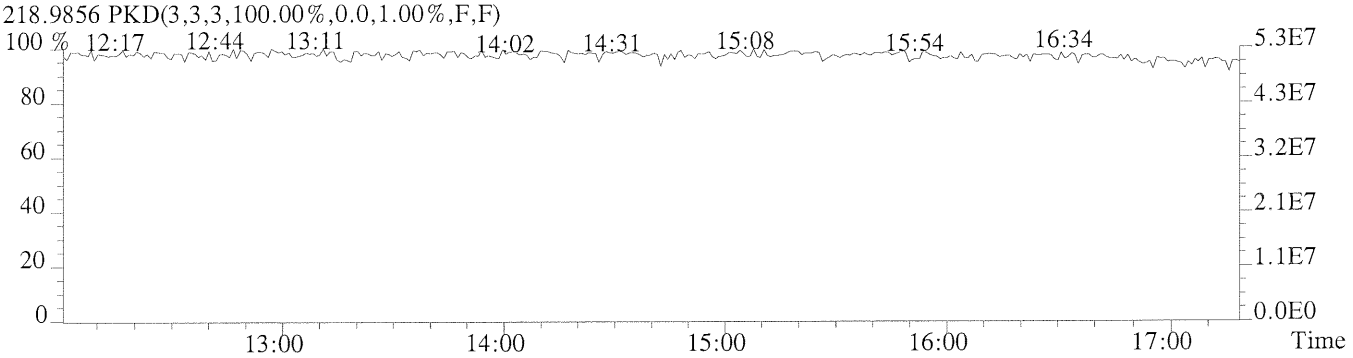
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1908.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1576.0,1.00%,F,T)

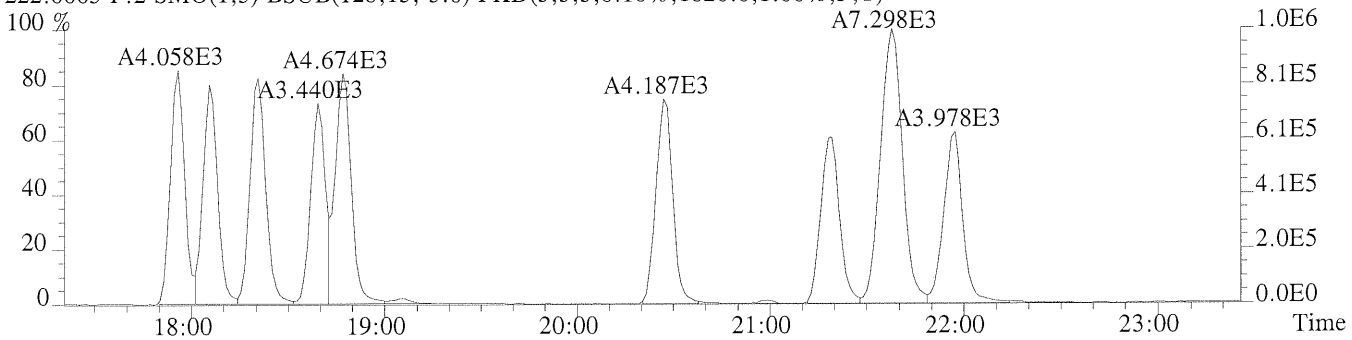


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

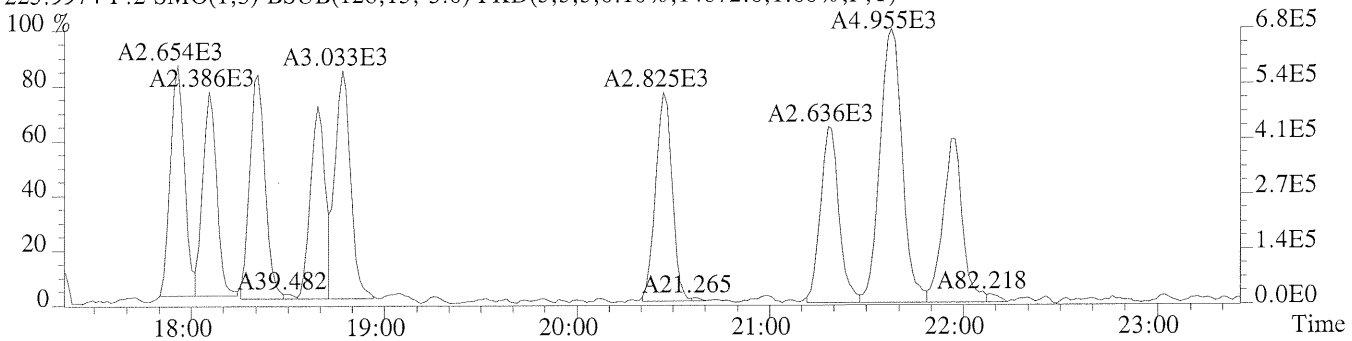


File:U142154 #1-336 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

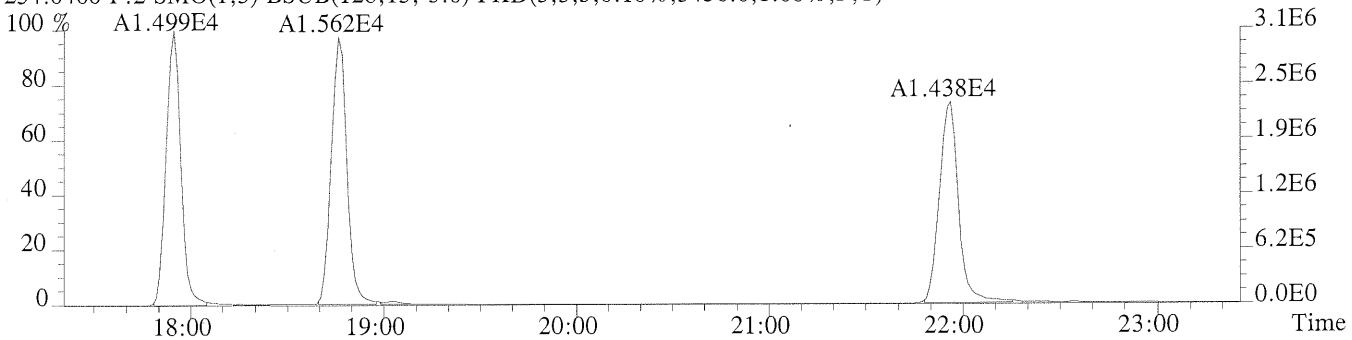
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1820.0,1.00%,F,T)



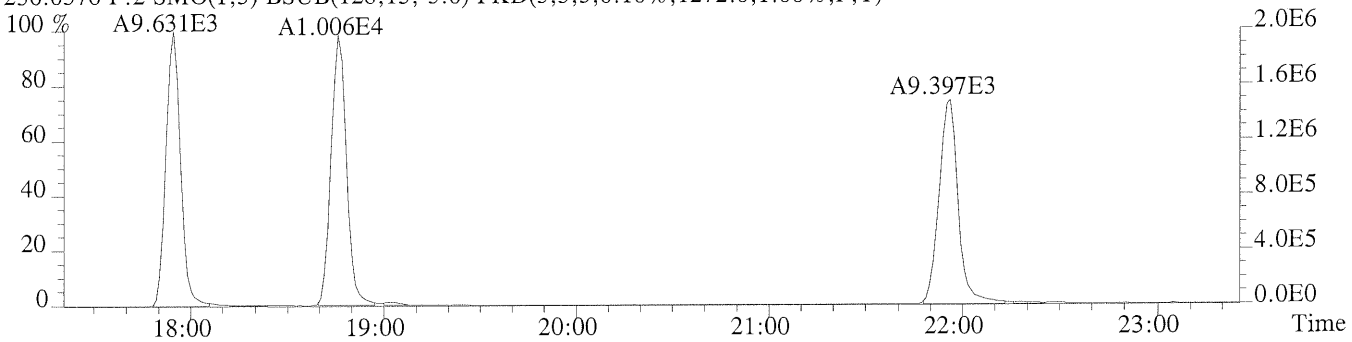
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,14872.0,1.00%,F,T)



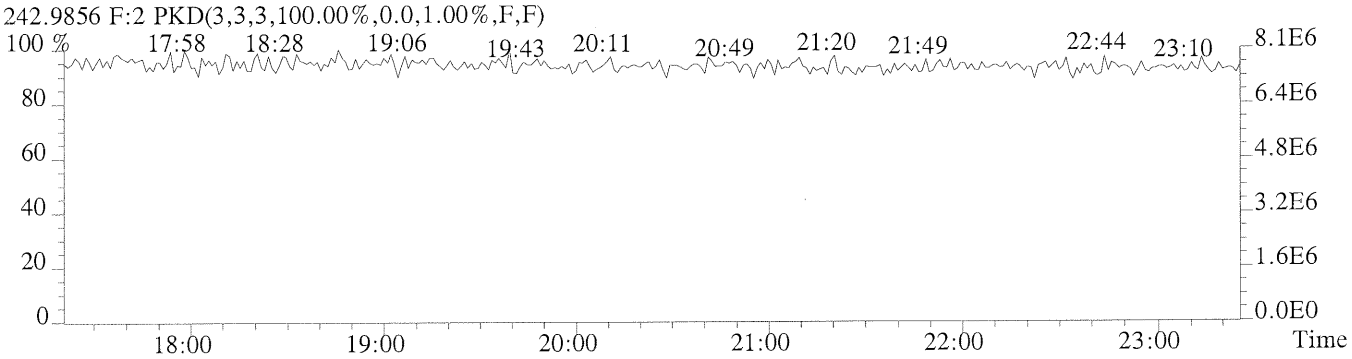
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3456.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1272.0,1.00%,F,T)

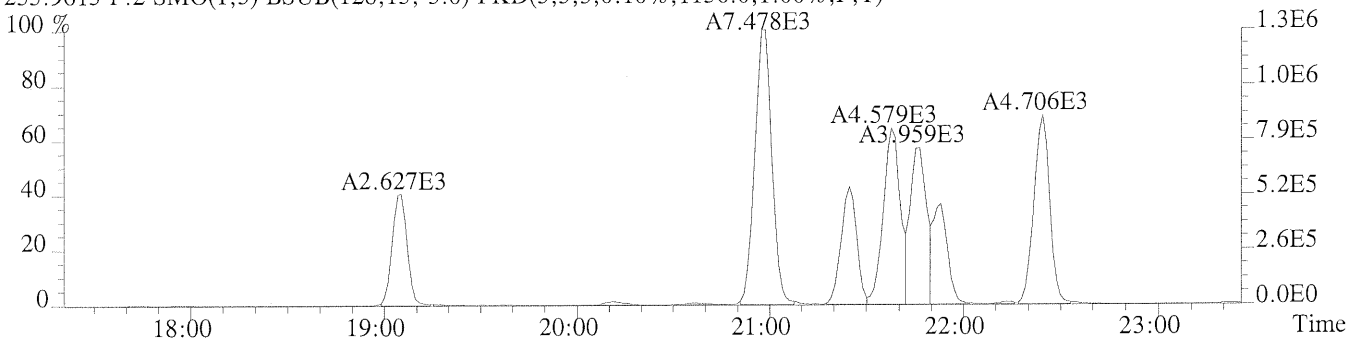


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

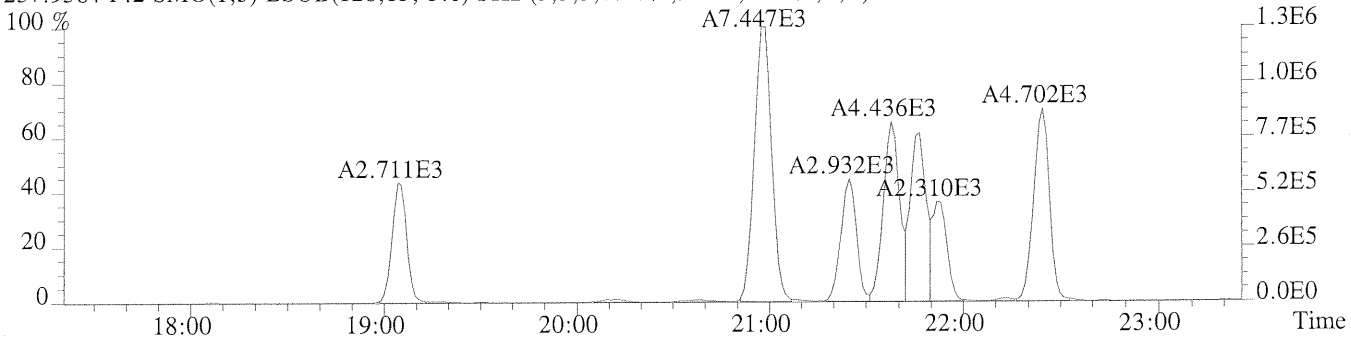


File:U142154 #1-336 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

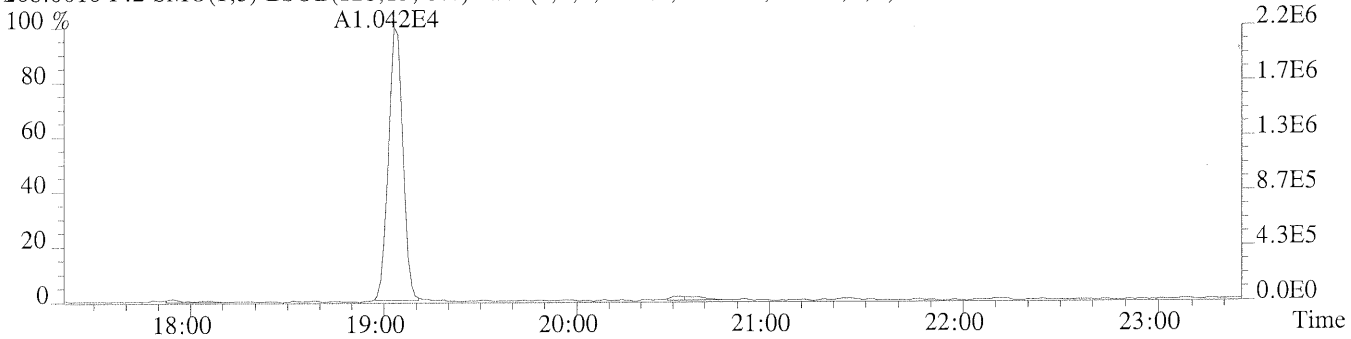
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1156.0,1.00%,F,T)



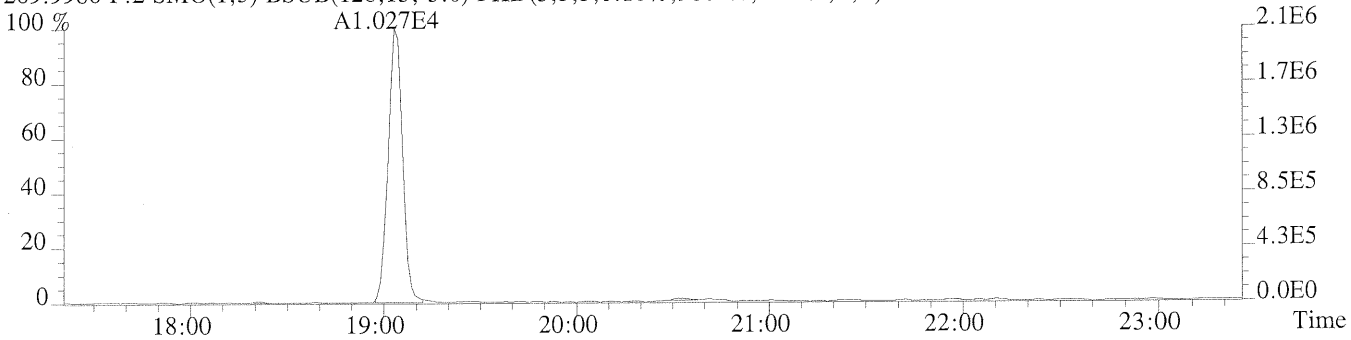
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)



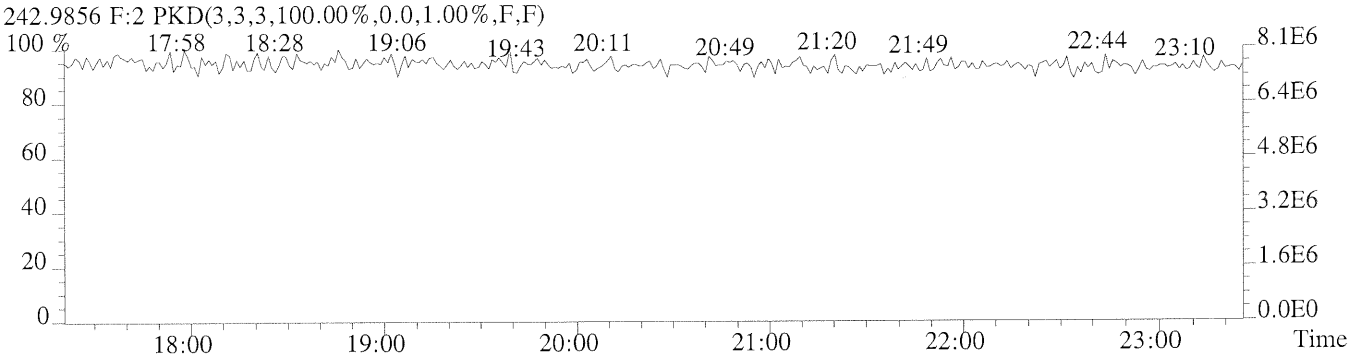
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13028.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9088.0,1.00%,F,T)

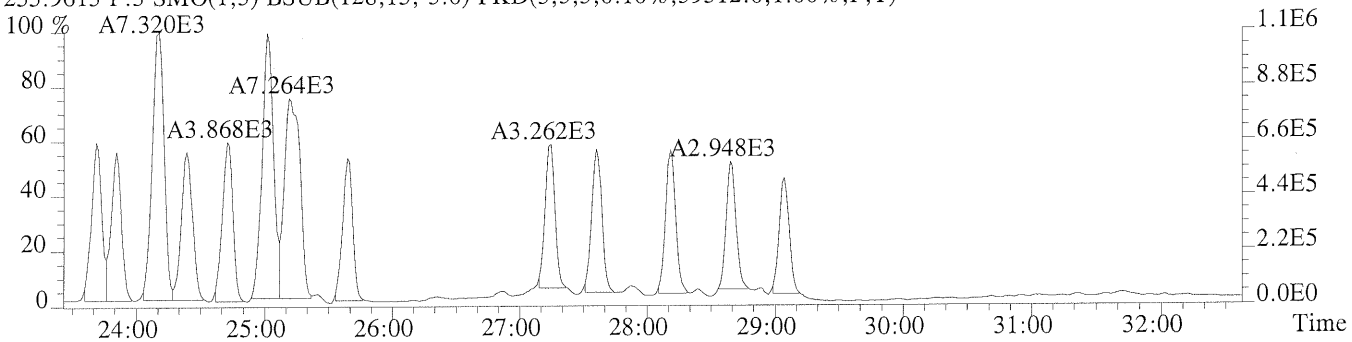


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

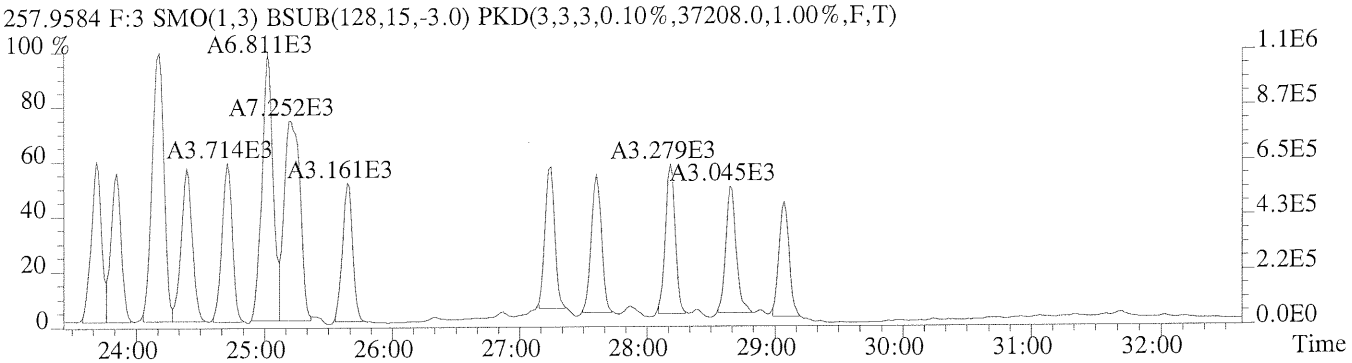


File:U142154 #1-588 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

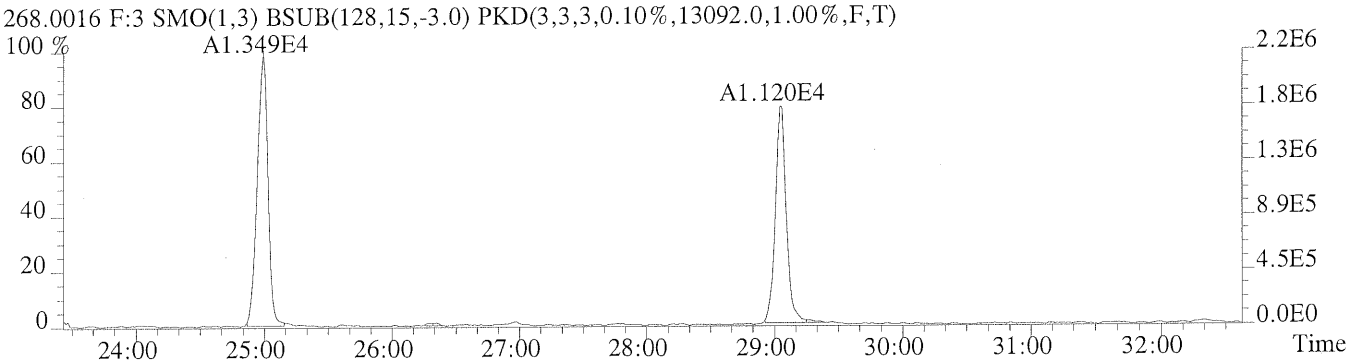
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,39512.0,1.00%,F,T)



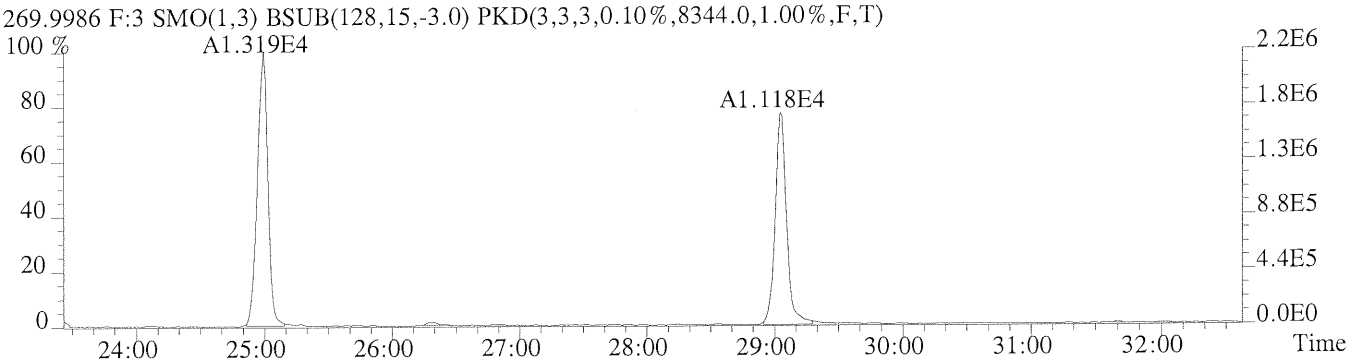
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,37208.0,1.00%,F,T)



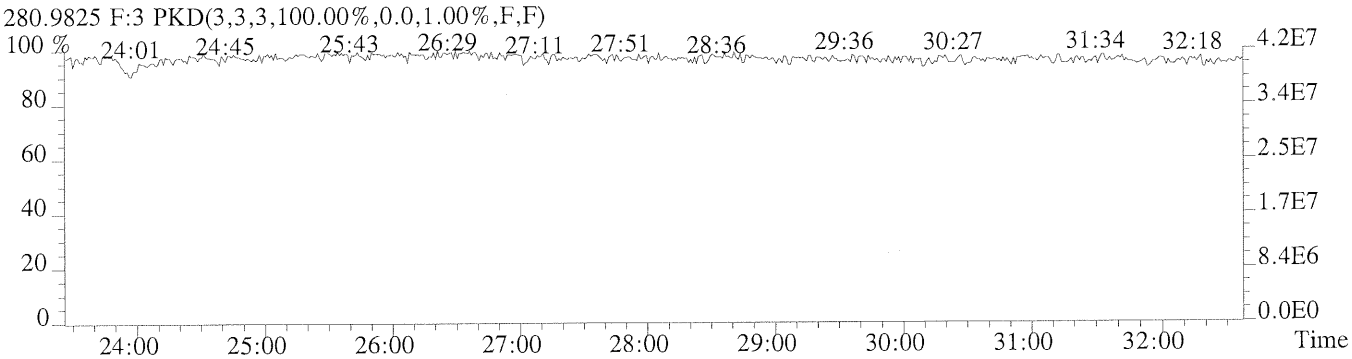
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13092.0,1.00%,F,T)



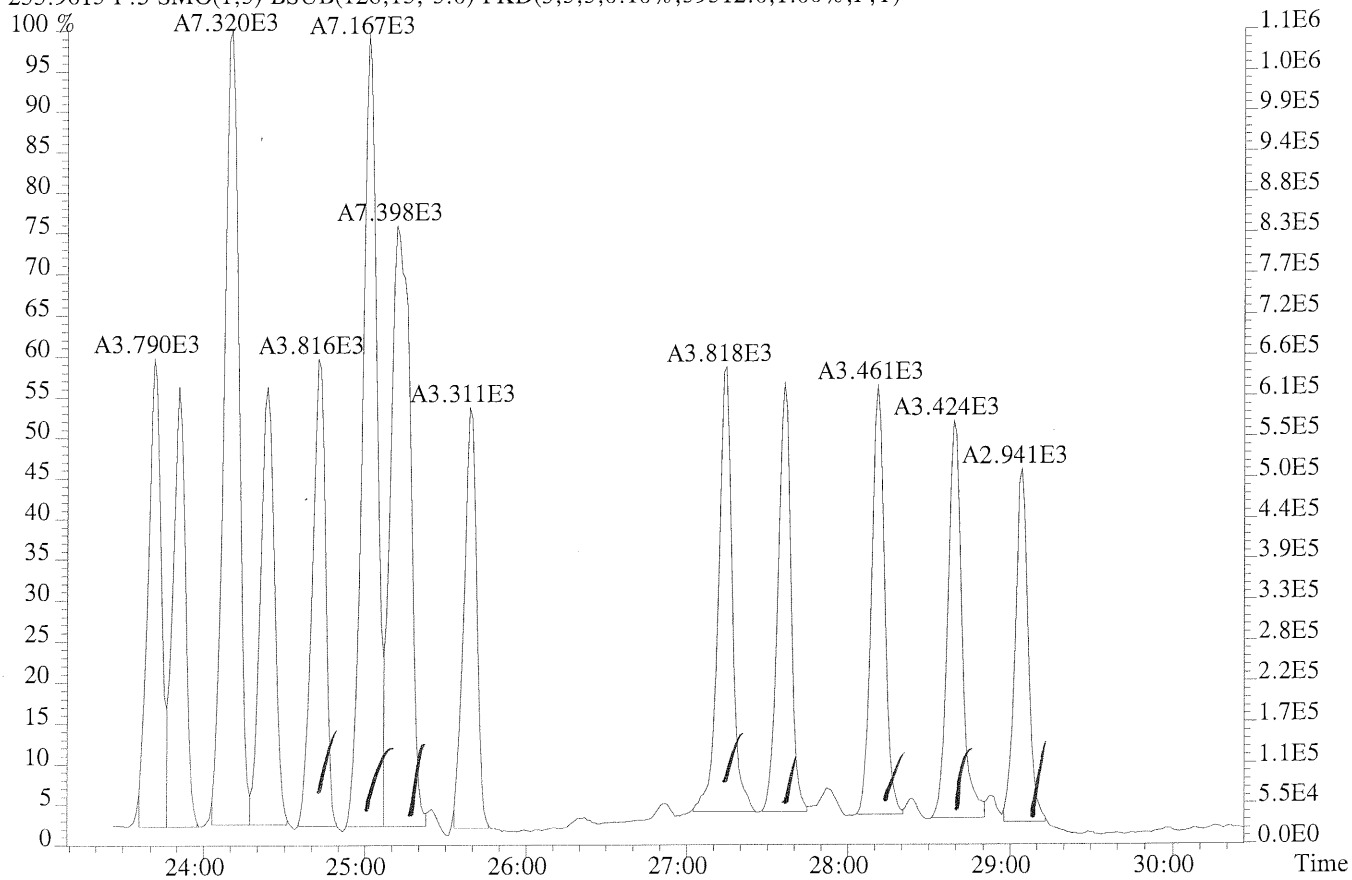
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8344.0,1.00%,F,T)



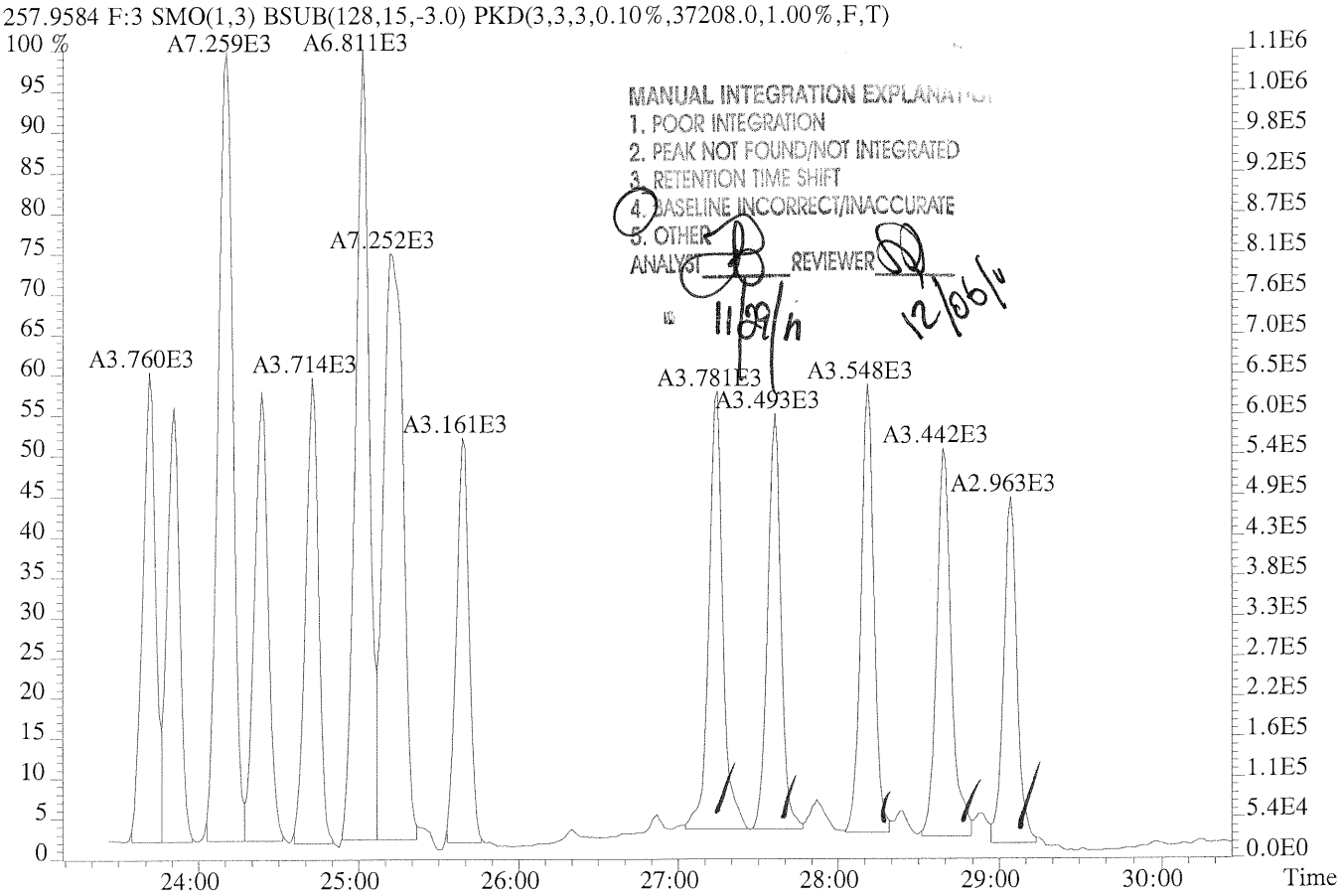
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142154 #1-588 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,39512.0,1.00%,F,T)



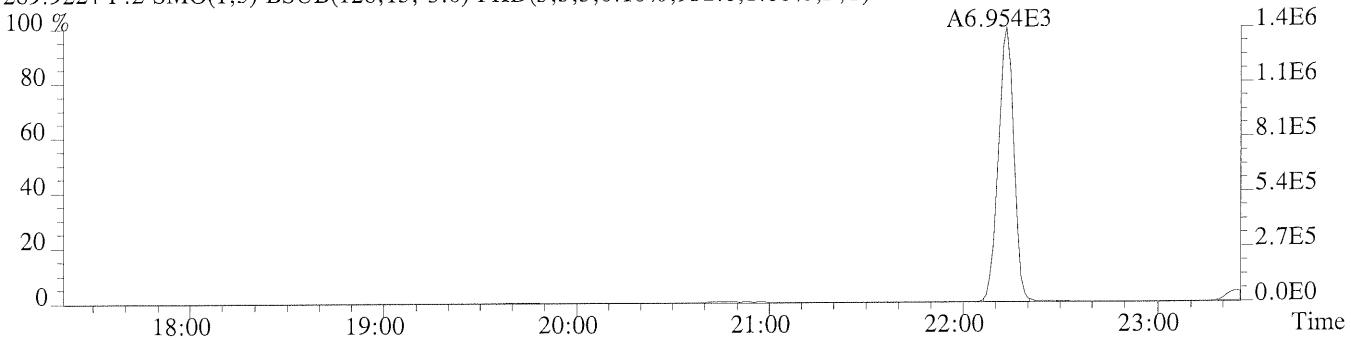
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,37208.0,1.00%,F,T)



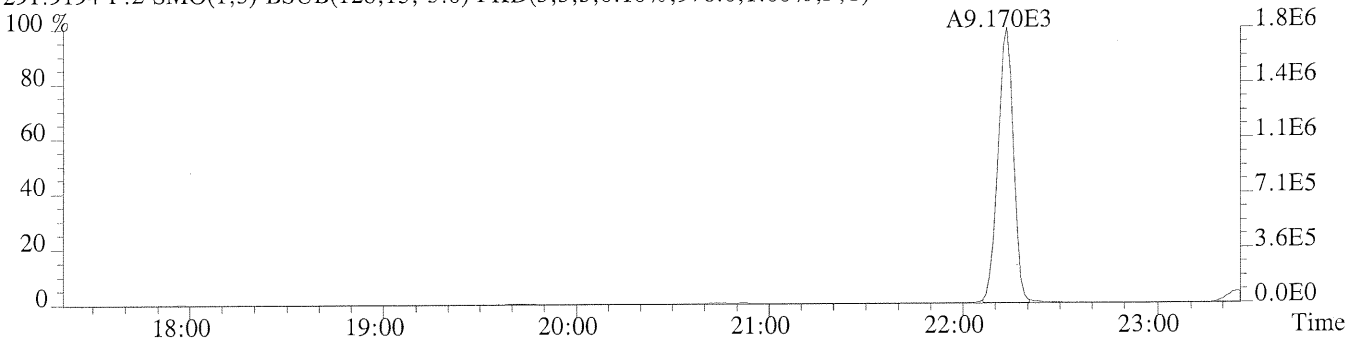
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 11/29/11 REVIEWER 12/06/11

File:U142154 #1-336 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

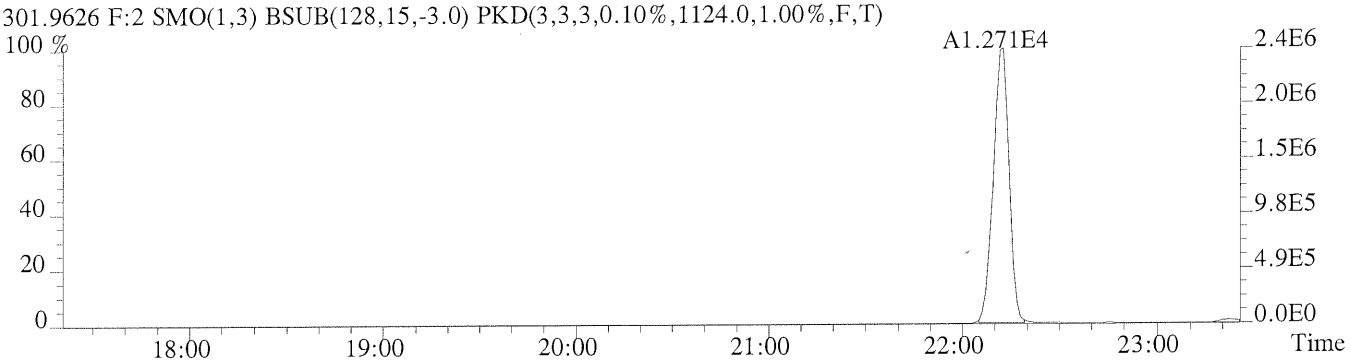
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,932.0,1.00%,F,T)



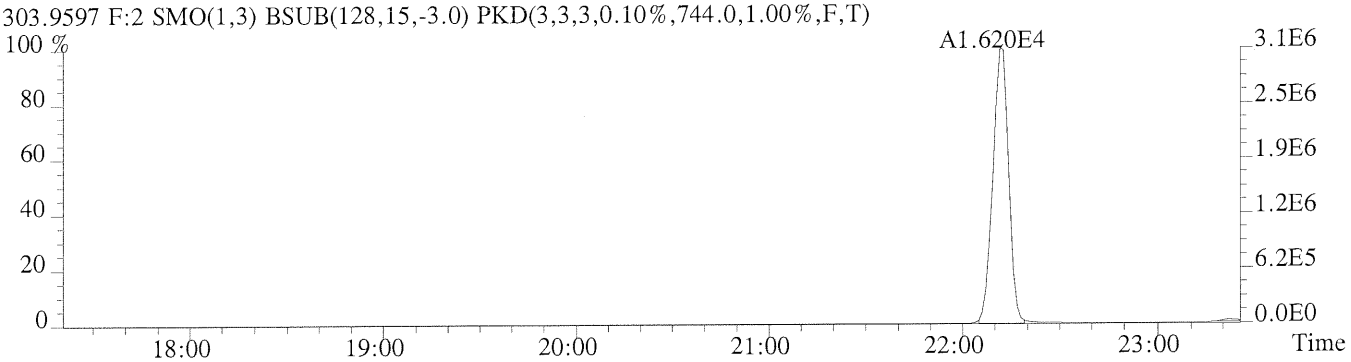
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)



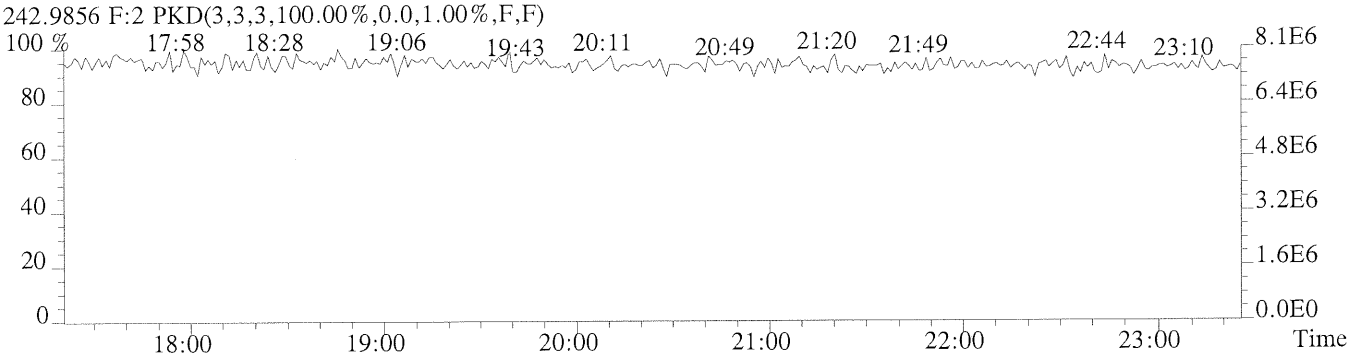
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1124.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,744.0,1.00%,F,T)

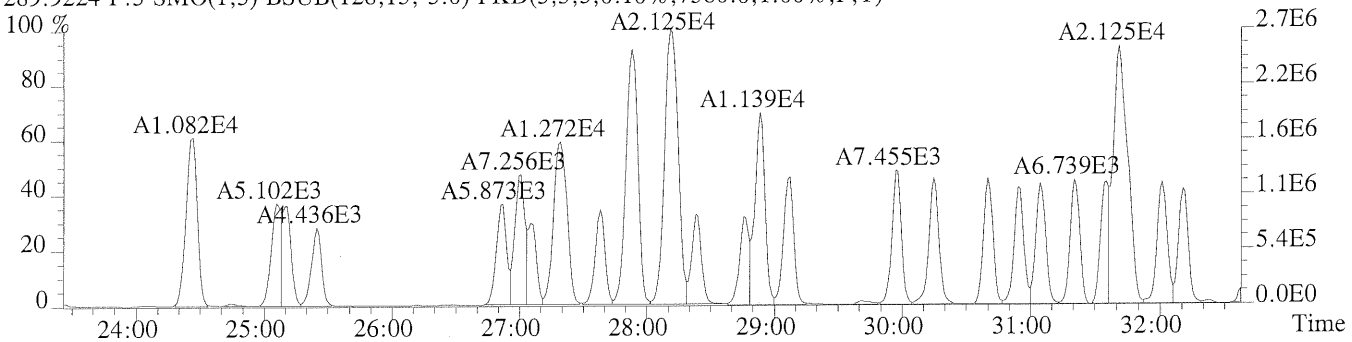


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

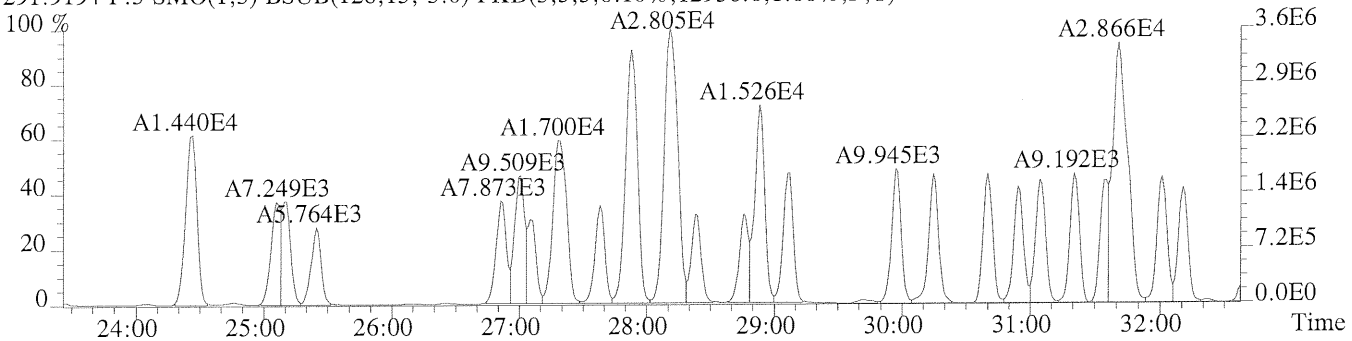


File:U142154 #1-588 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

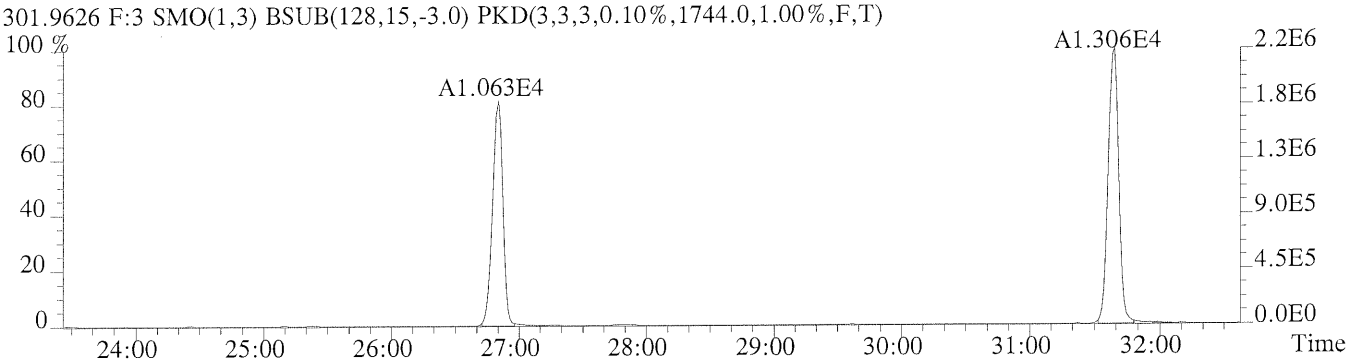
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7580.0,1.00%,F,T)



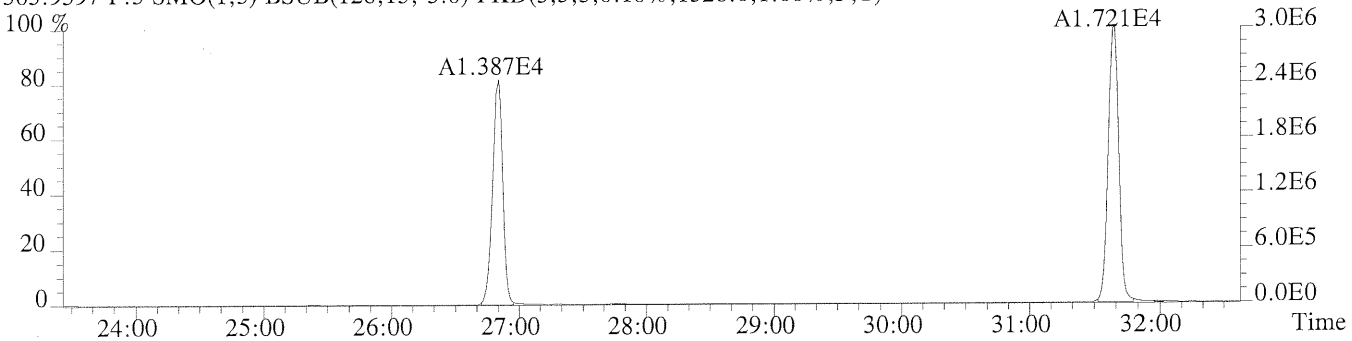
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12936.0,1.00%,F,T)



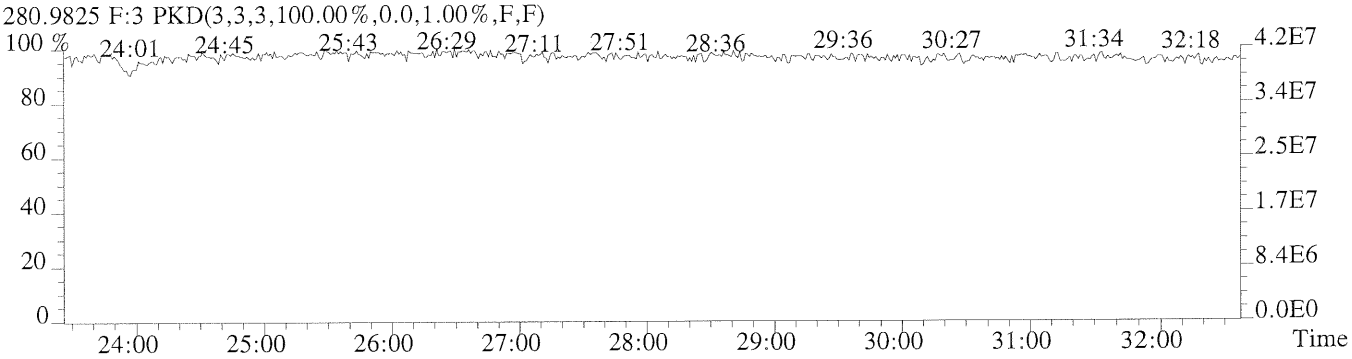
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1744.0,1.00%,F,T)



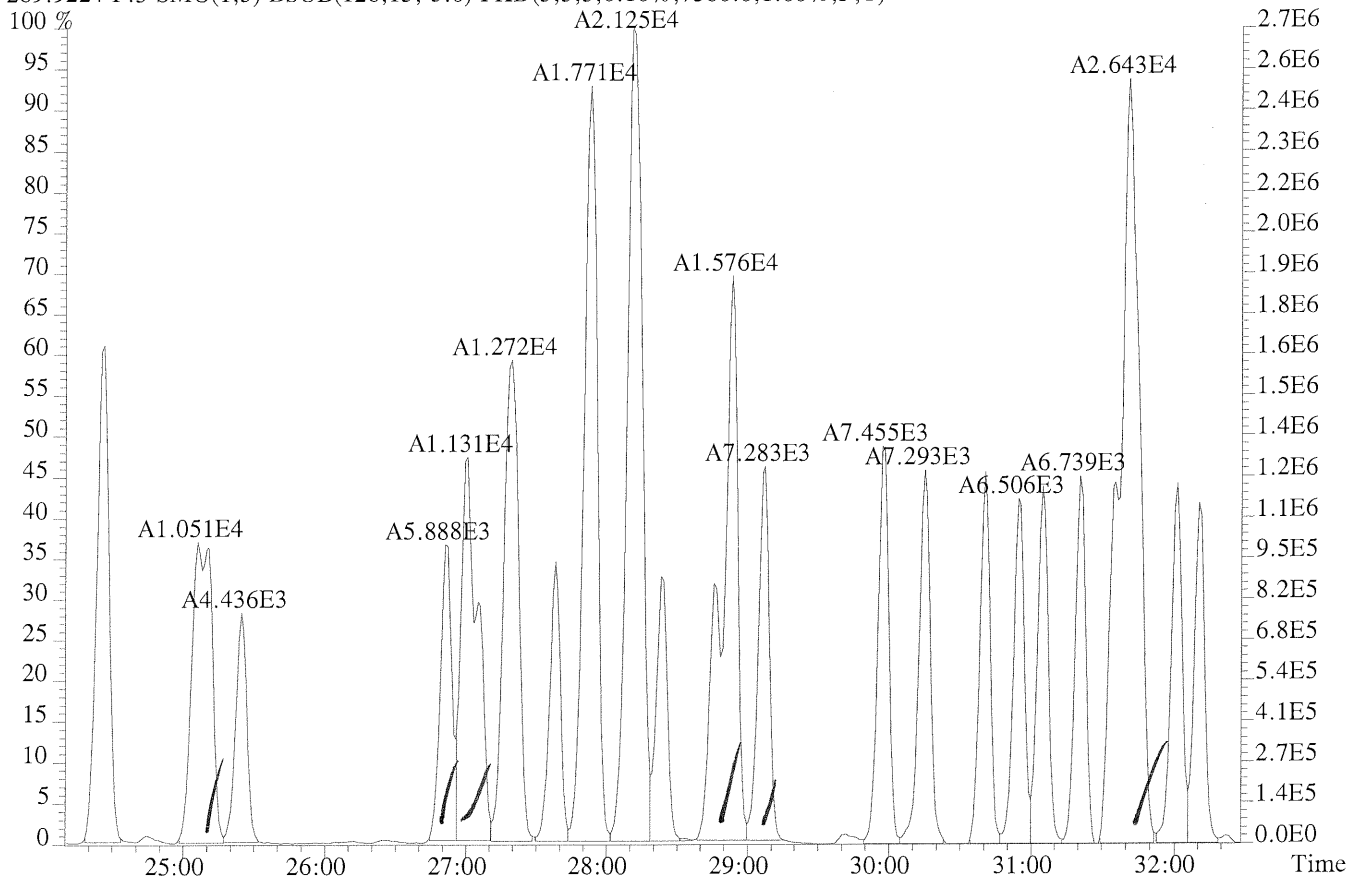
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1328.0,1.00%,F,T)



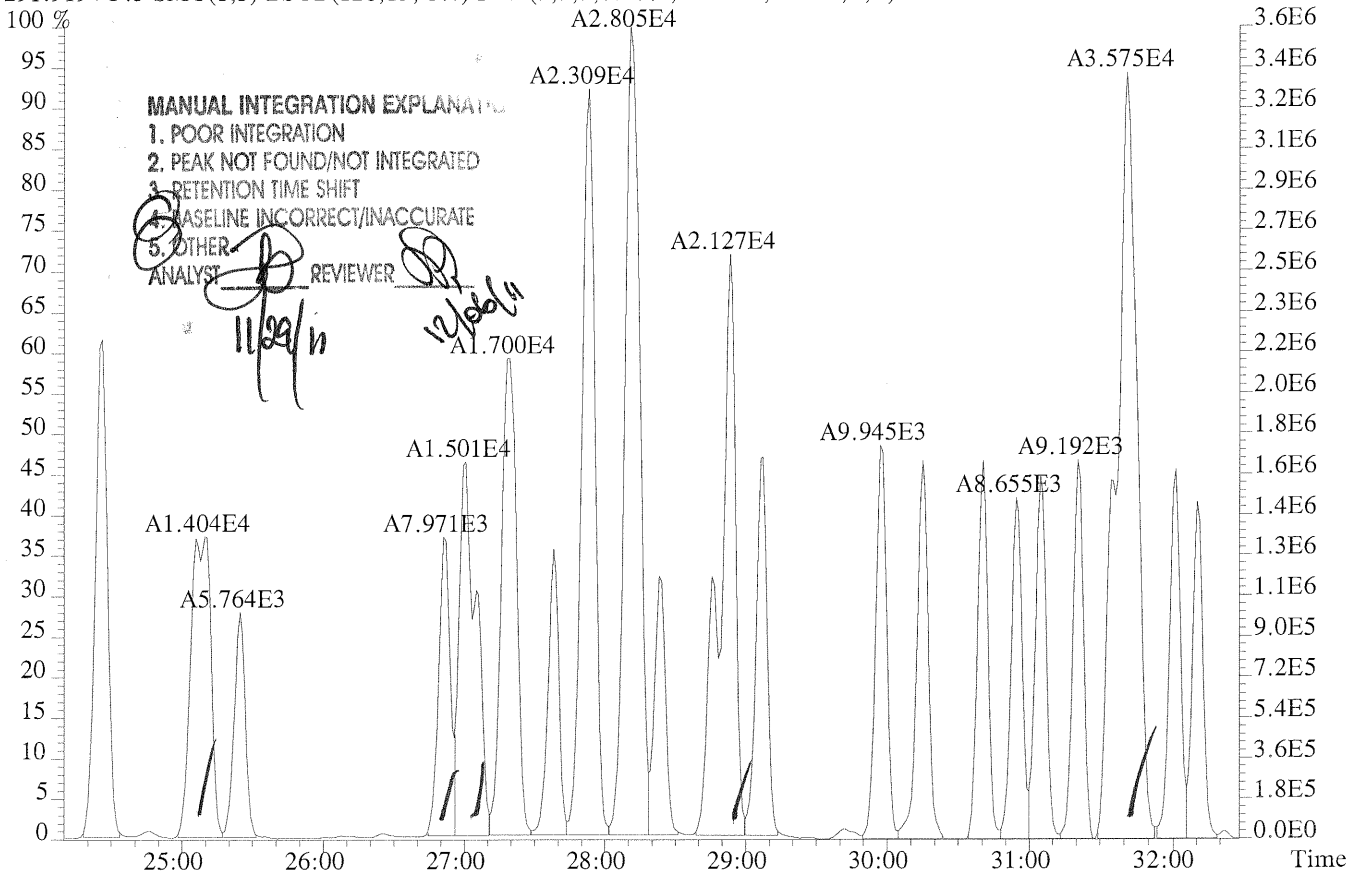
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142154 #1-588 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7580.0,1.00%,F,T)



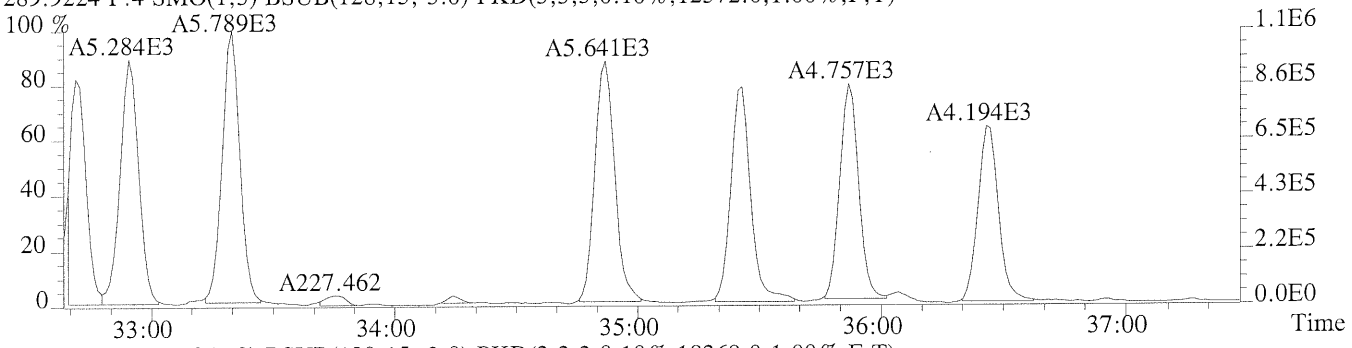
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12936.0,1.00%,F,T)



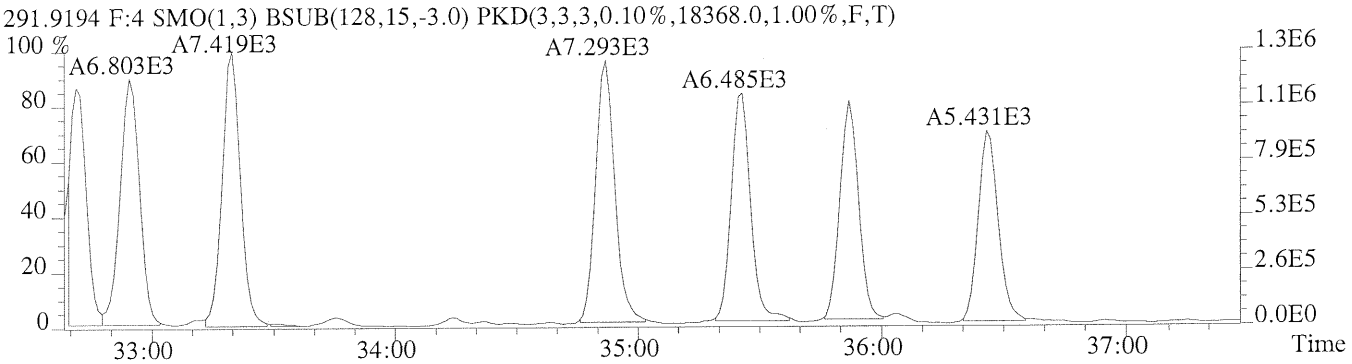
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST _____ REVIEWER _____
11/29/11 12/06/11

File:U142154 #1-309 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

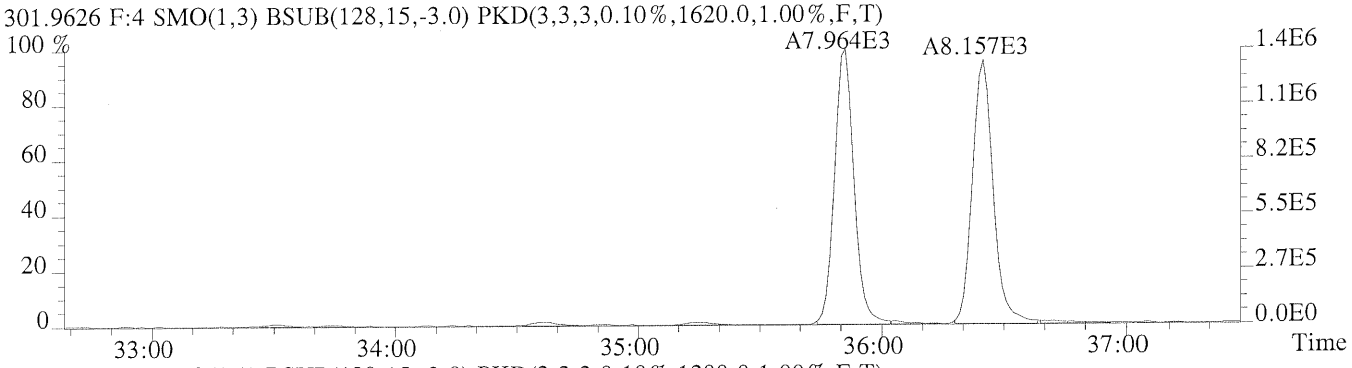
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12572.0,1.00%,F,T)



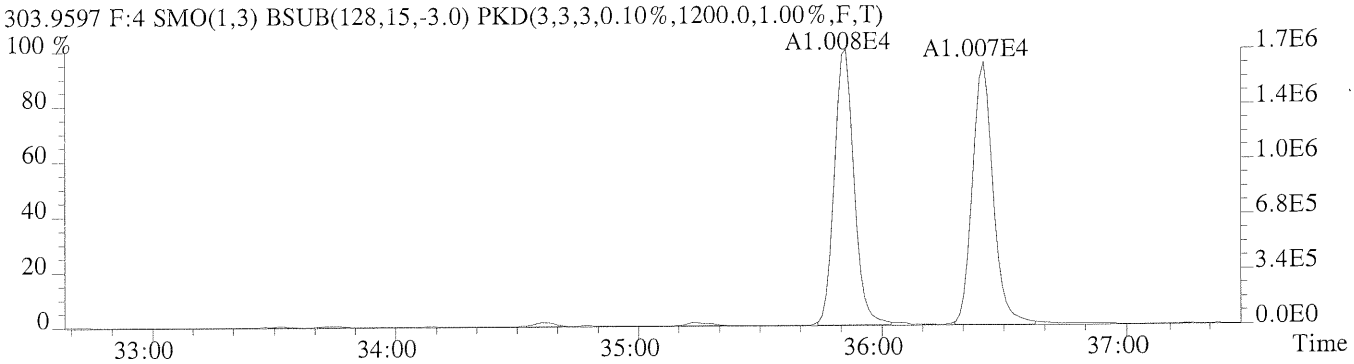
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18368.0,1.00%,F,T)



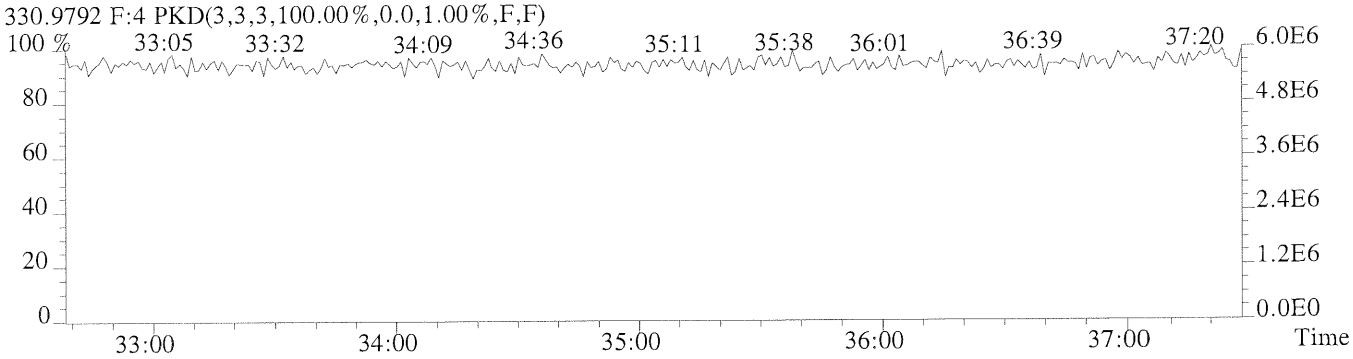
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1620.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1200.0,1.00%,F,T)

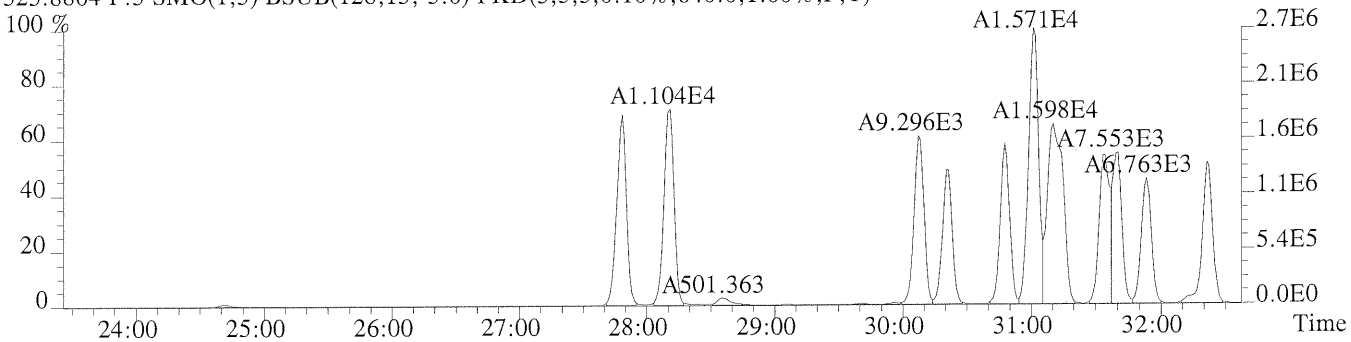


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

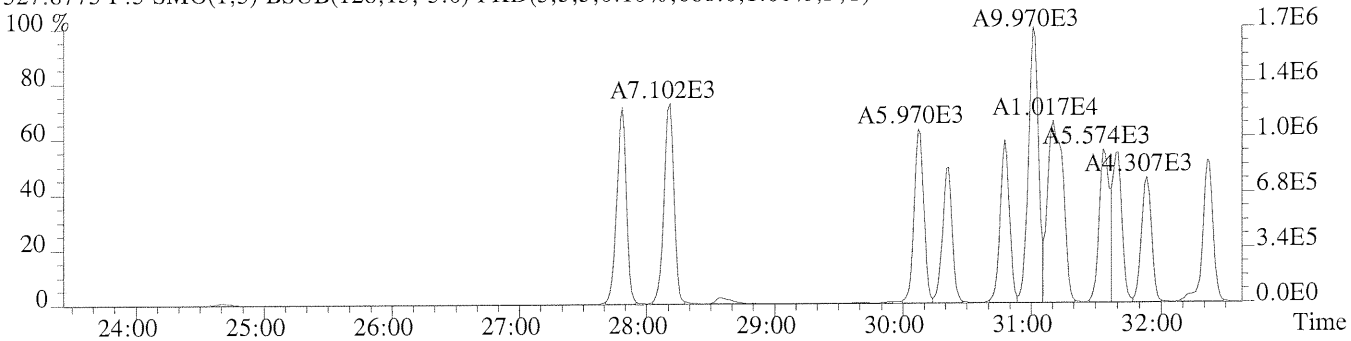


File:U142154 #1-588 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

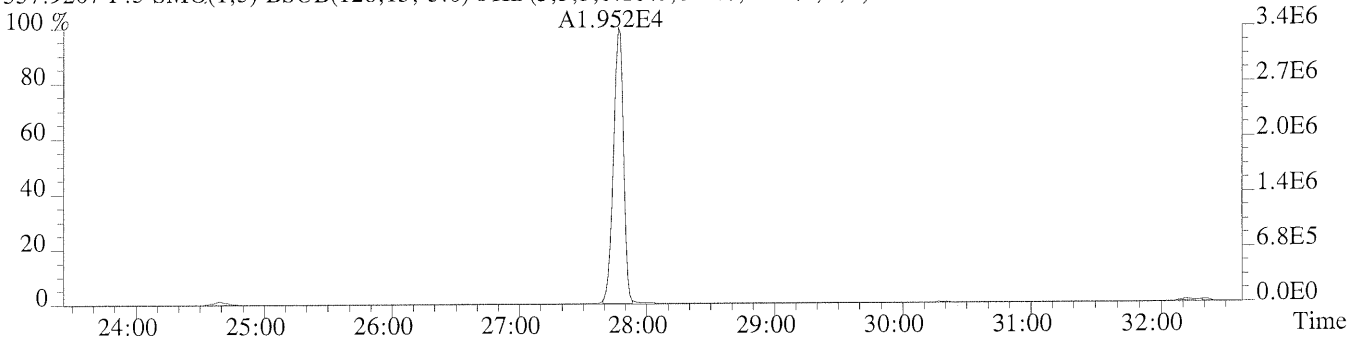
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,640.0,1.00%,F,T)



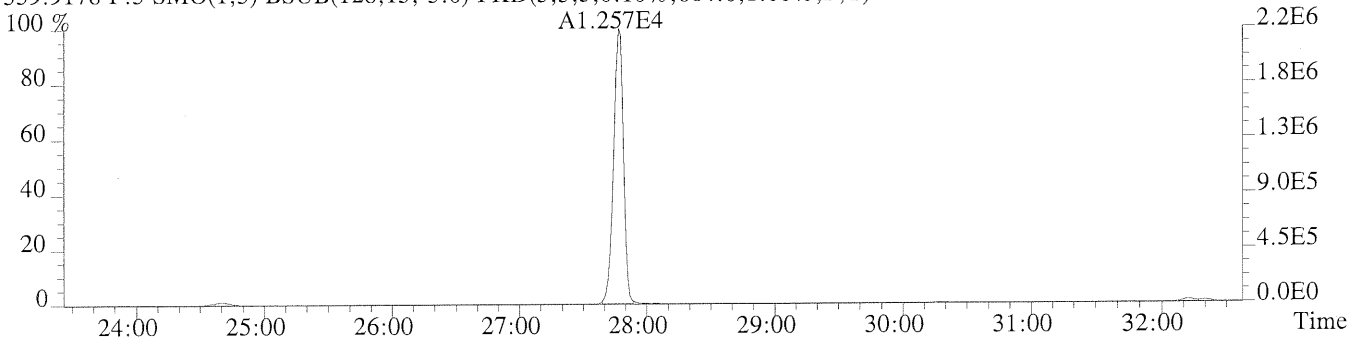
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,688.0,1.00%,F,T)



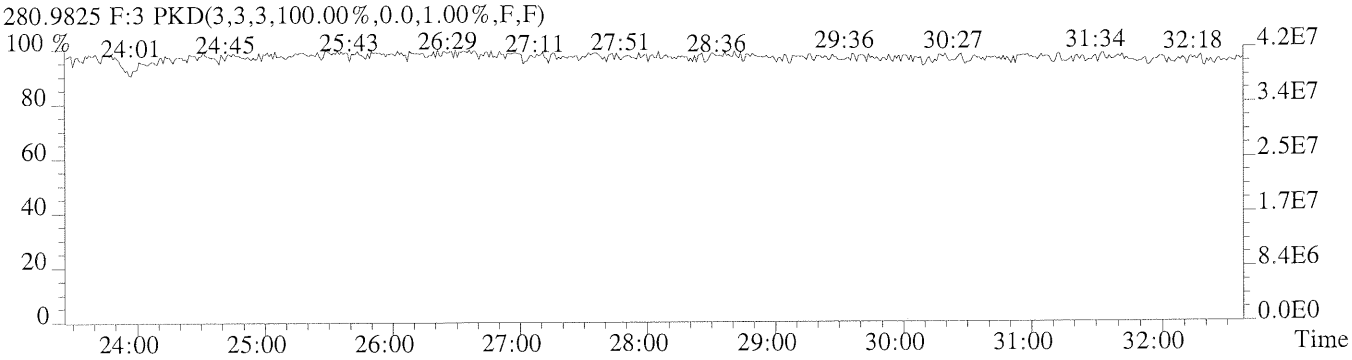
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



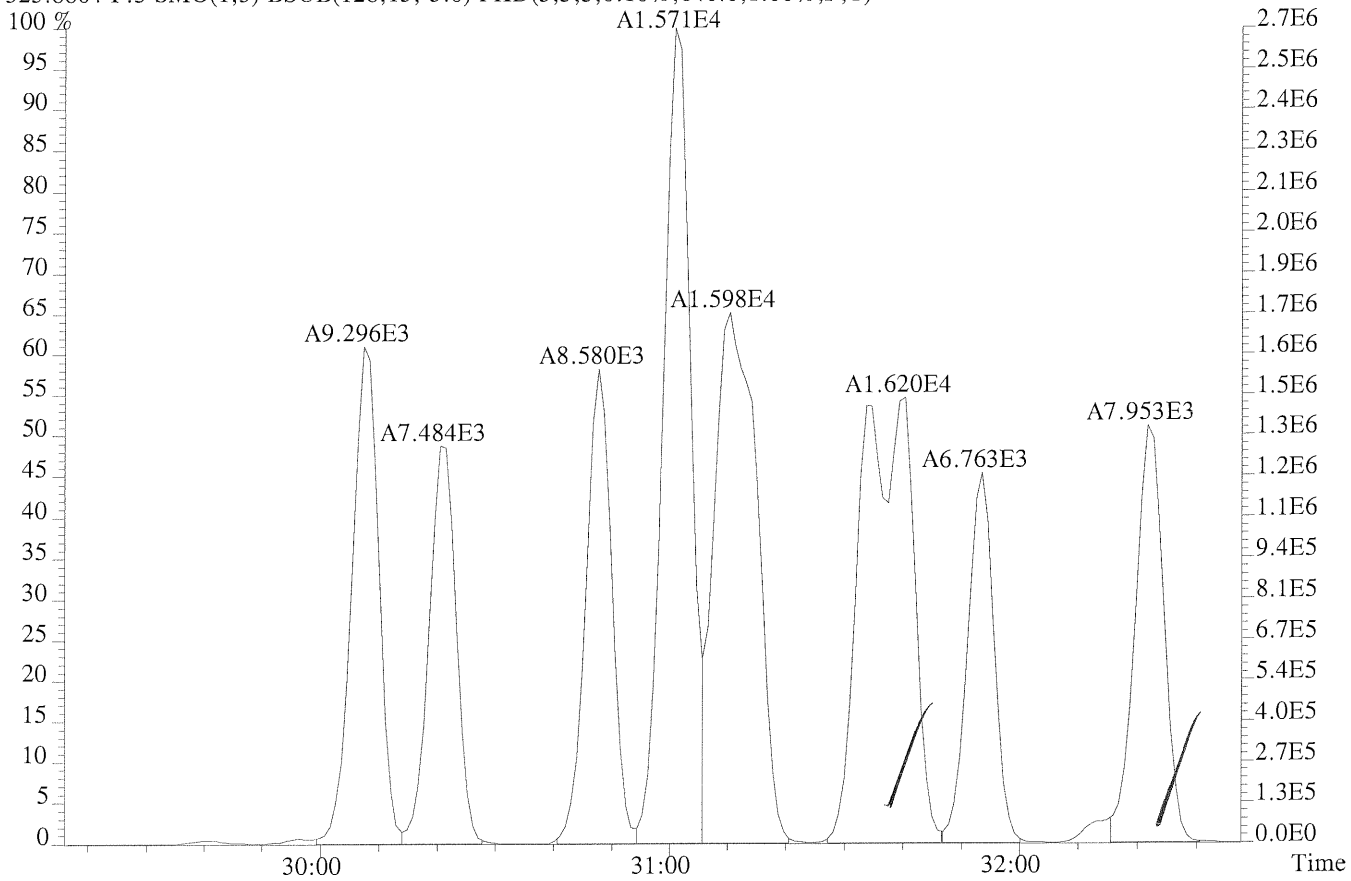
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,664.0,1.00%,F,T)



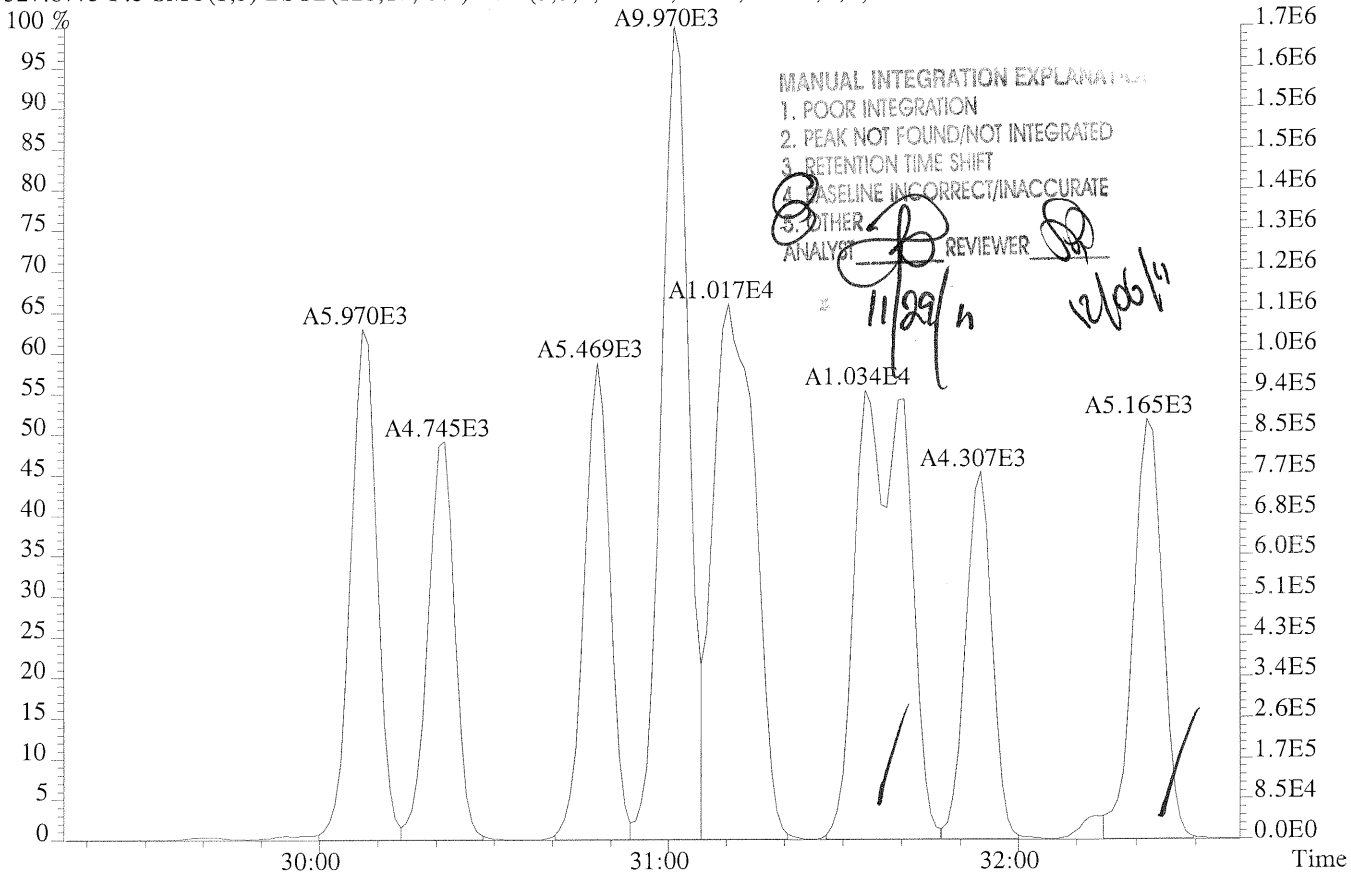
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142154 #1-588 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,640.0,1.00%,F,T)



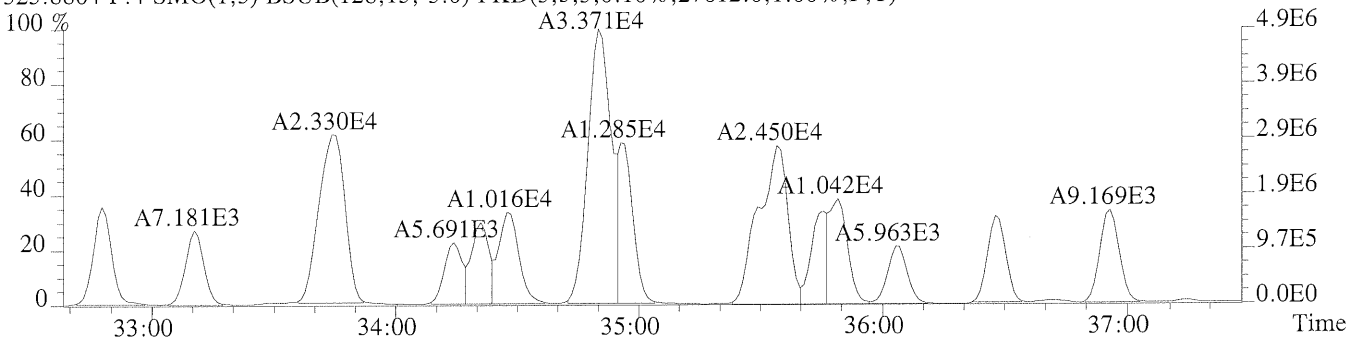
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,688.0,1.00%,F,T)



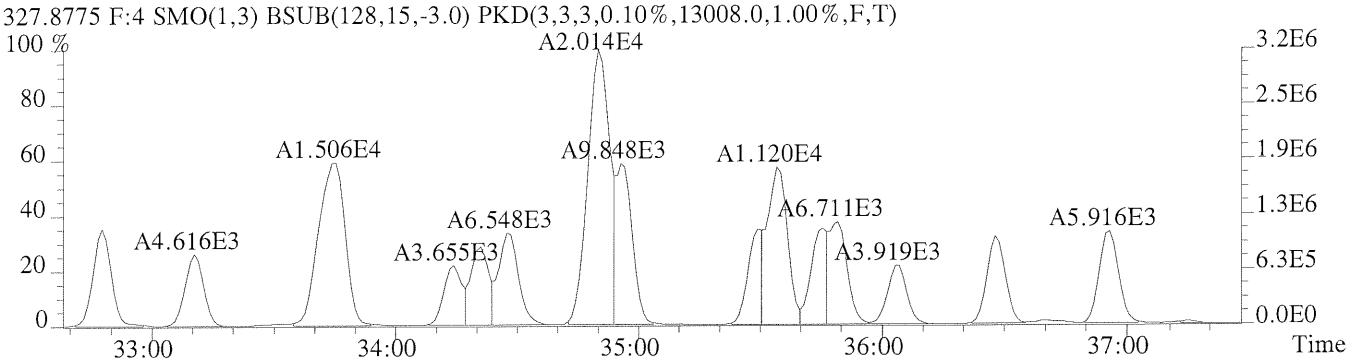
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 11/29/11 REVIEWER 12/06/11

File:U142154 #1-309 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

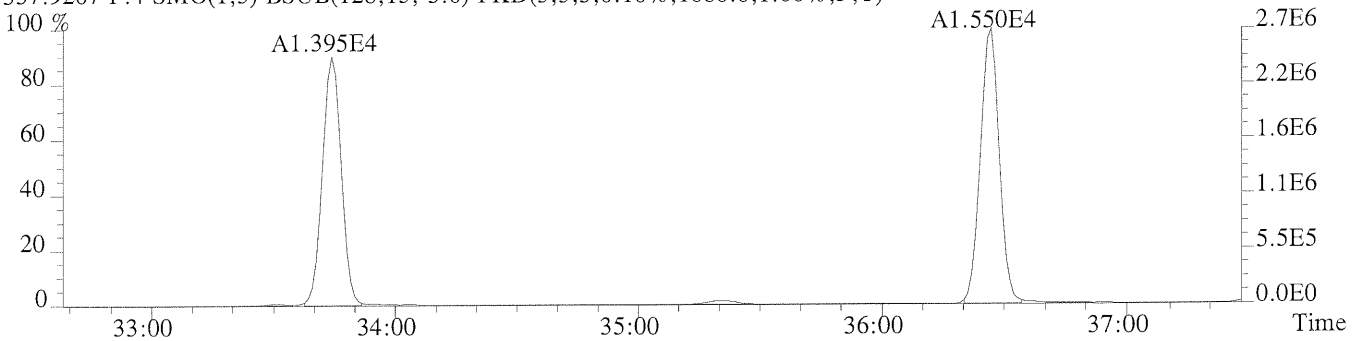
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,27612.0,1.00%,F,T)



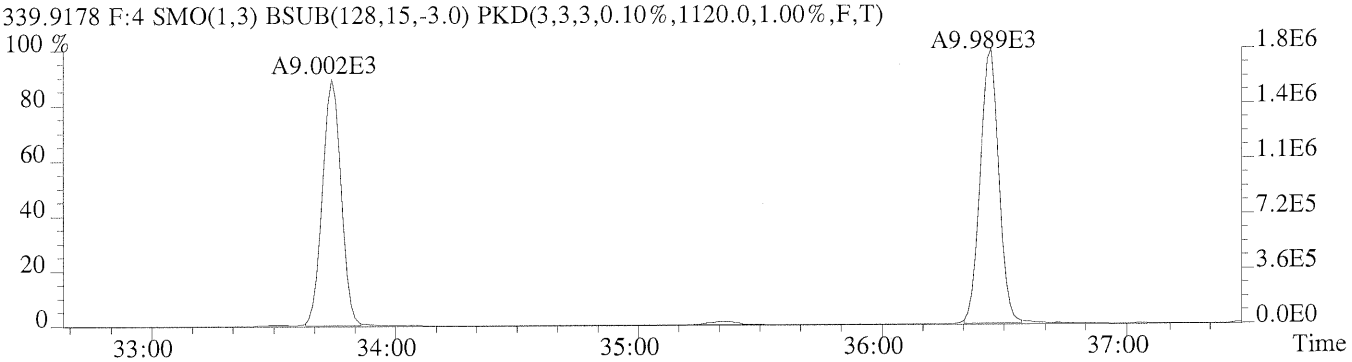
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13008.0,1.00%,F,T)



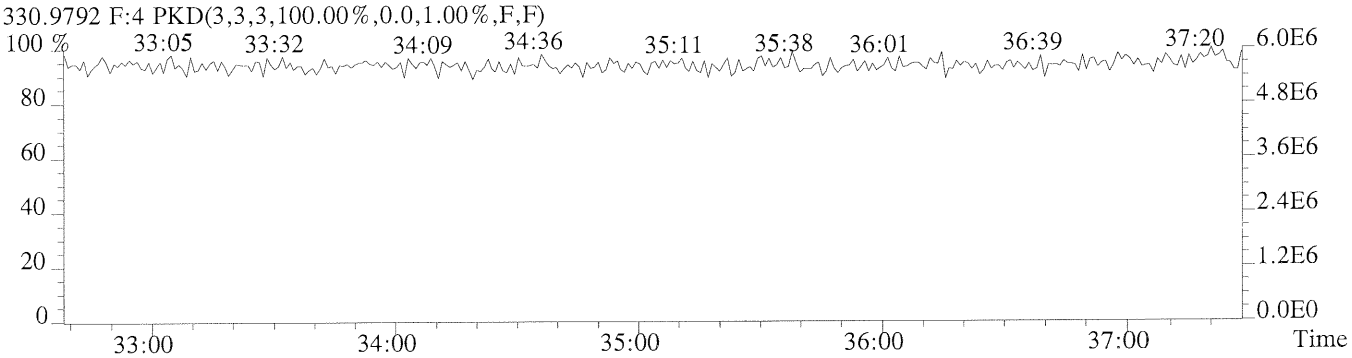
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1080.0,1.00%,F,T)



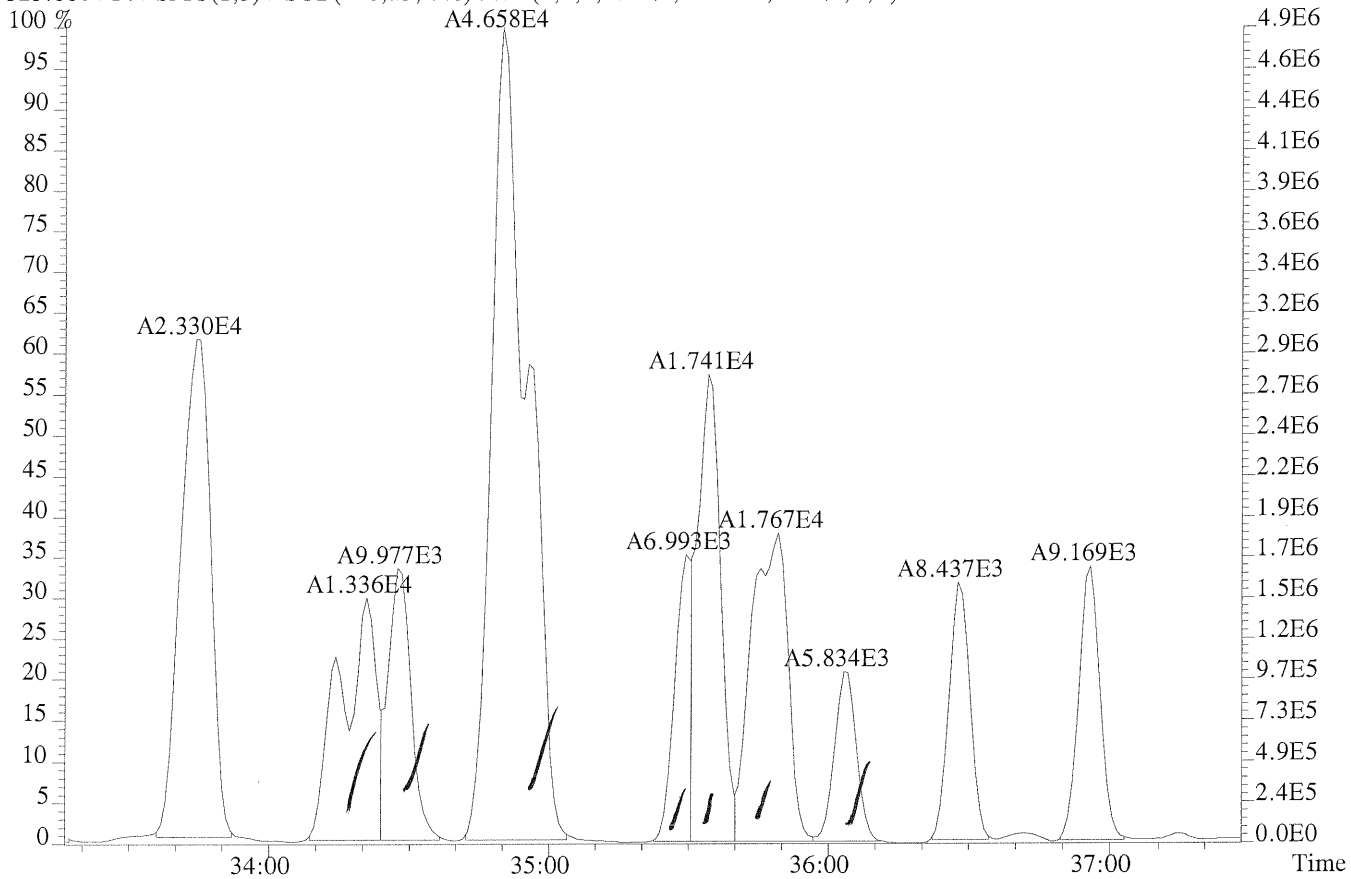
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1120.0,1.00%,F,T)



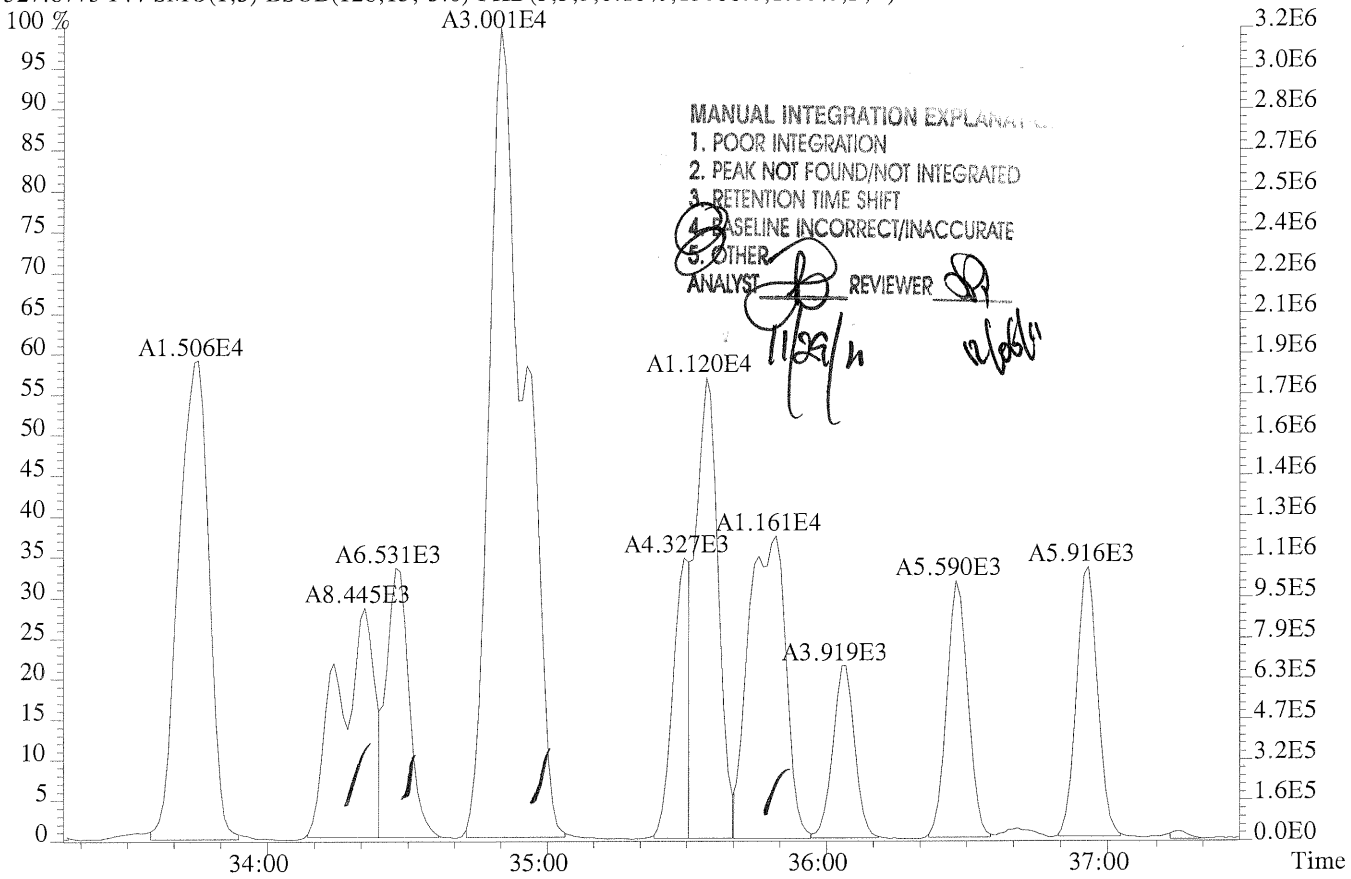
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U142154 #1-309 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,27612.0,1.00%,F,T)



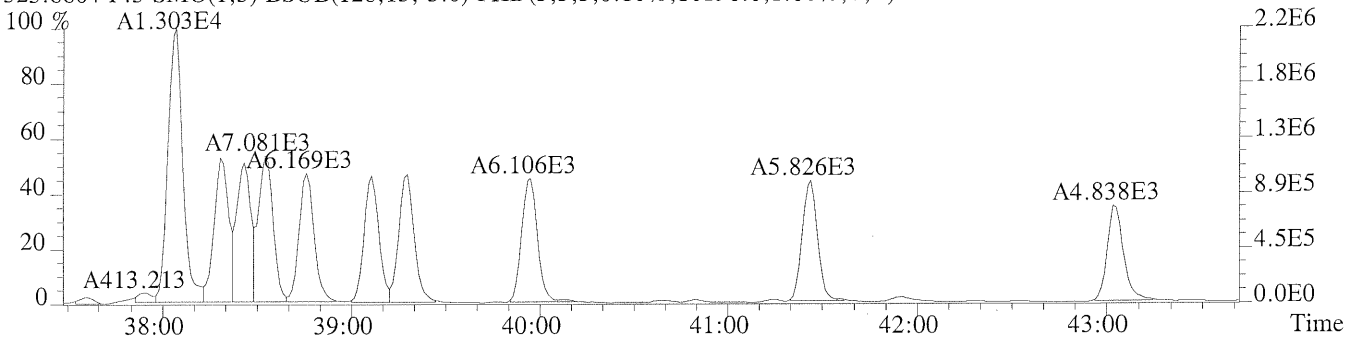
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13008.0,1.00%,F,T)



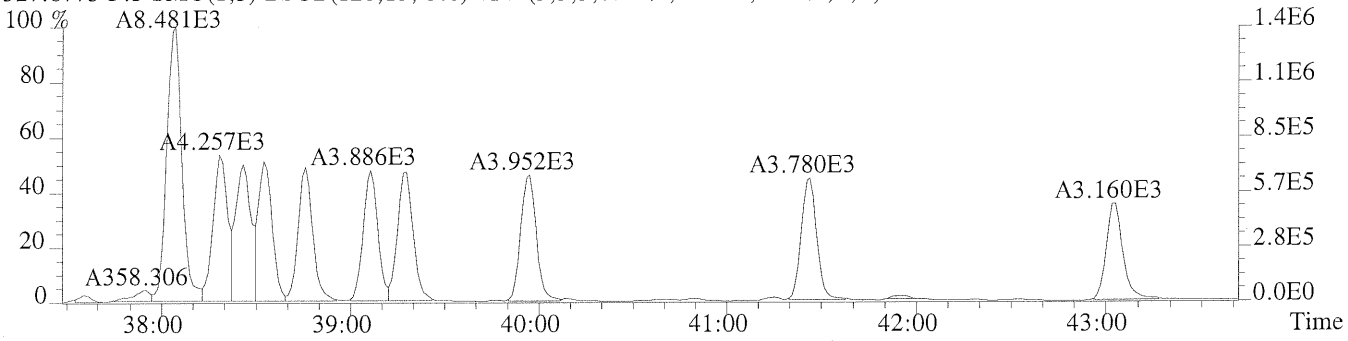
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST REVIEWER

File:U142154 #1-398 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

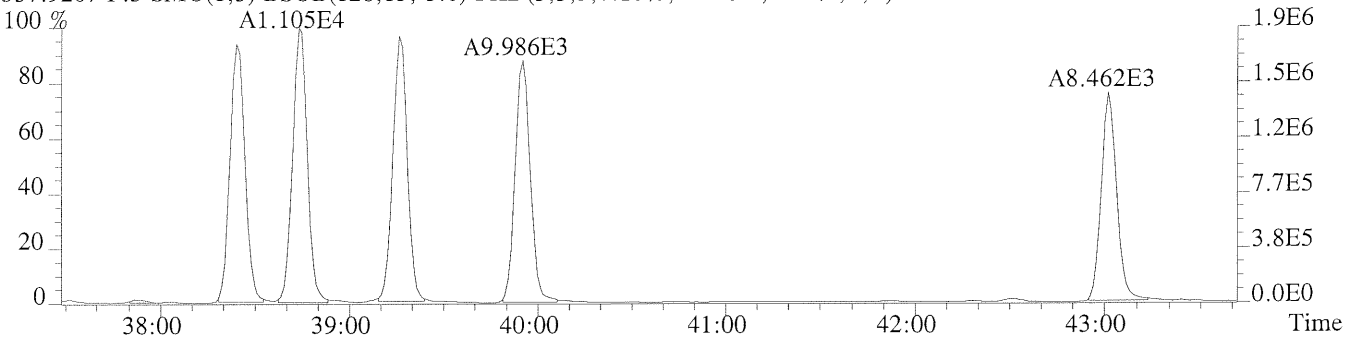
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,16196.0,1.00%,F,T)



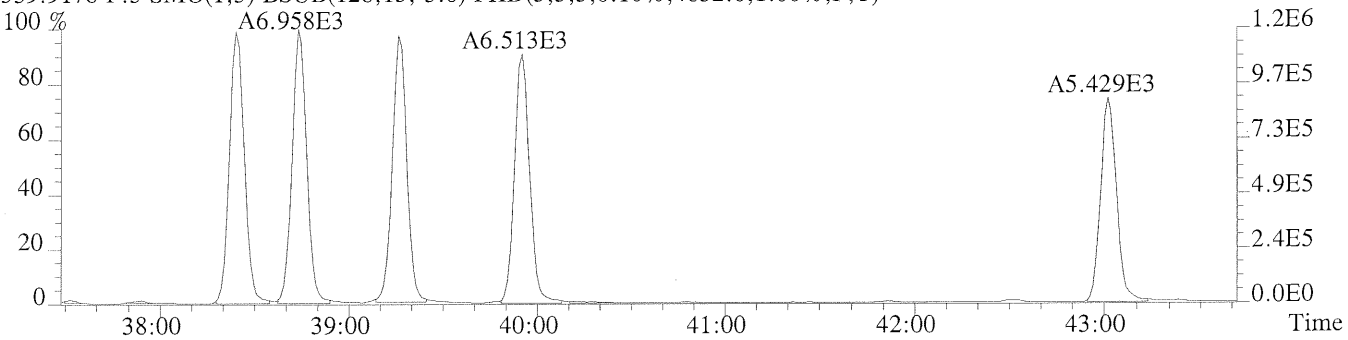
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7988.0,1.00%,F,T)



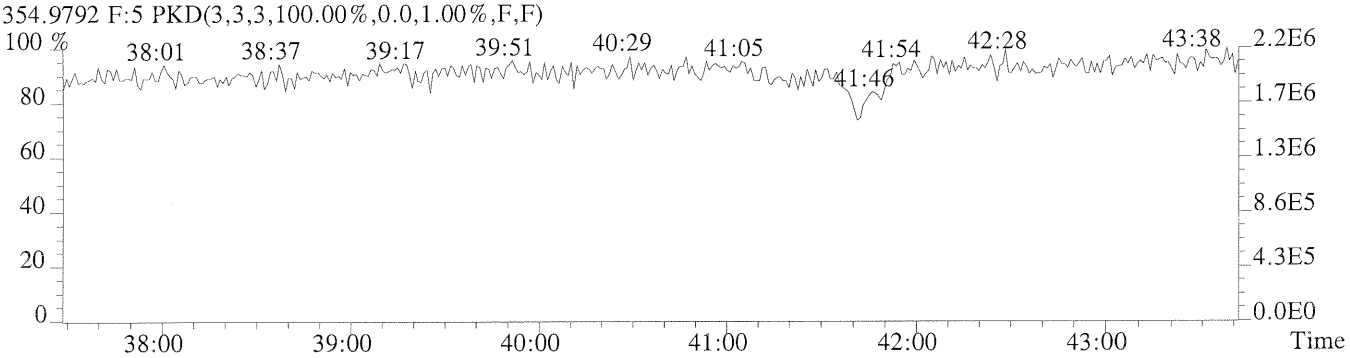
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11140.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4852.0,1.00%,F,T)

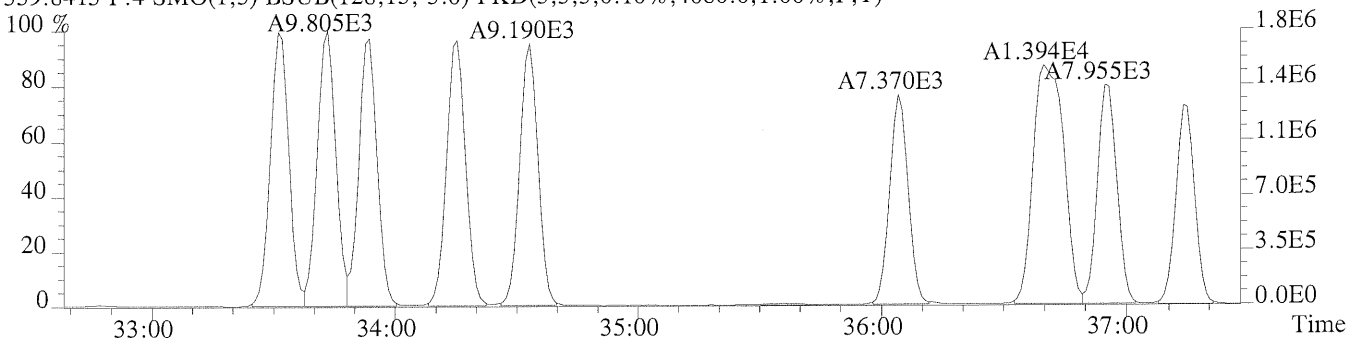


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

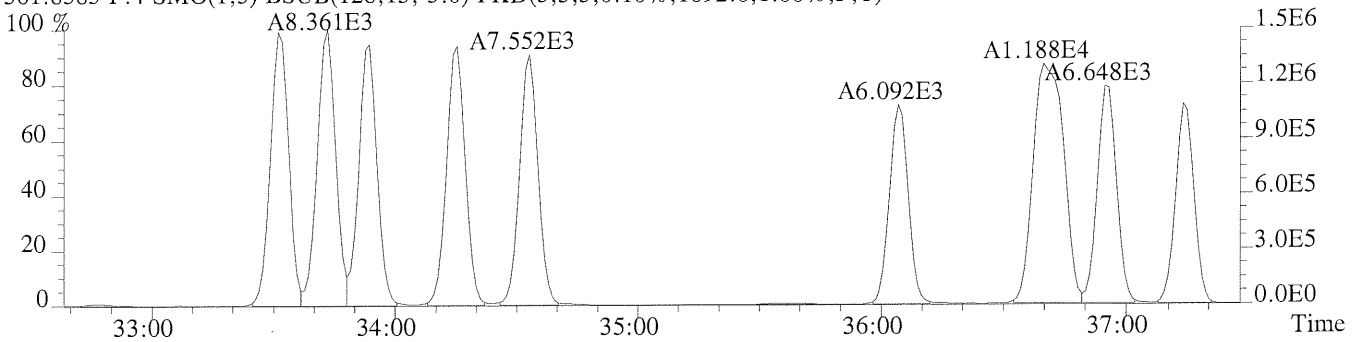


File:U142154 #1-309 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

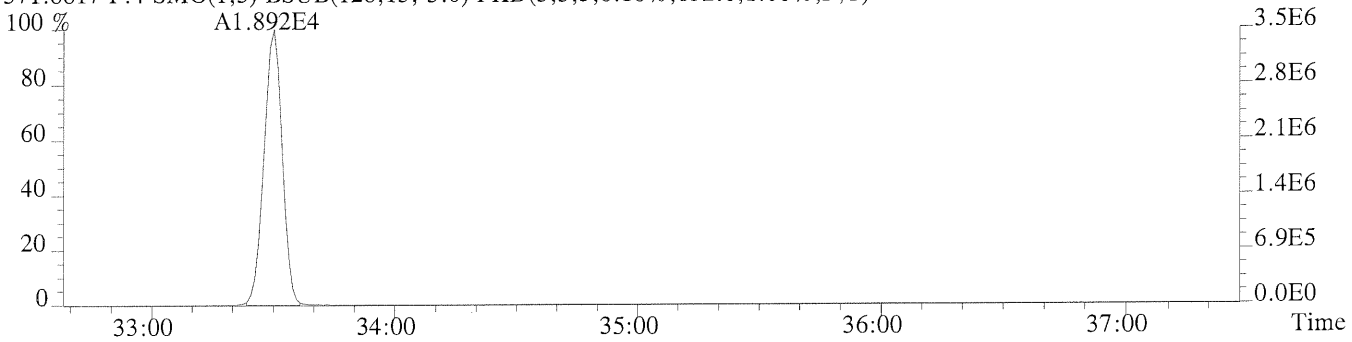
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4080.0,1.00%,F,T)



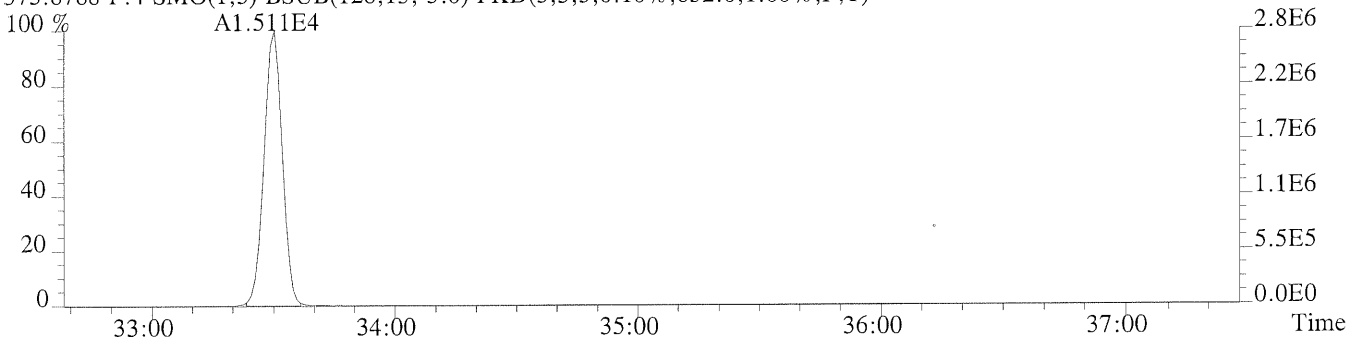
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1692.0,1.00%,F,T)



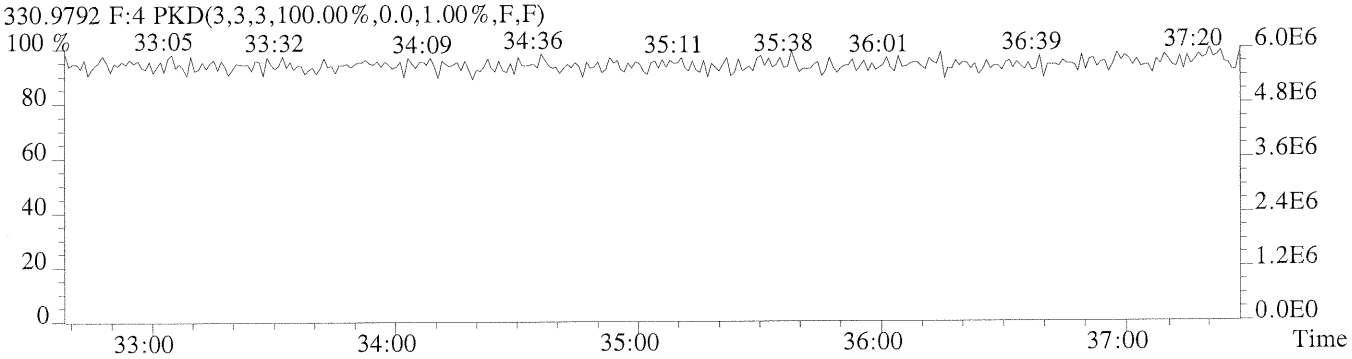
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,632.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,852.0,1.00%,F,T)

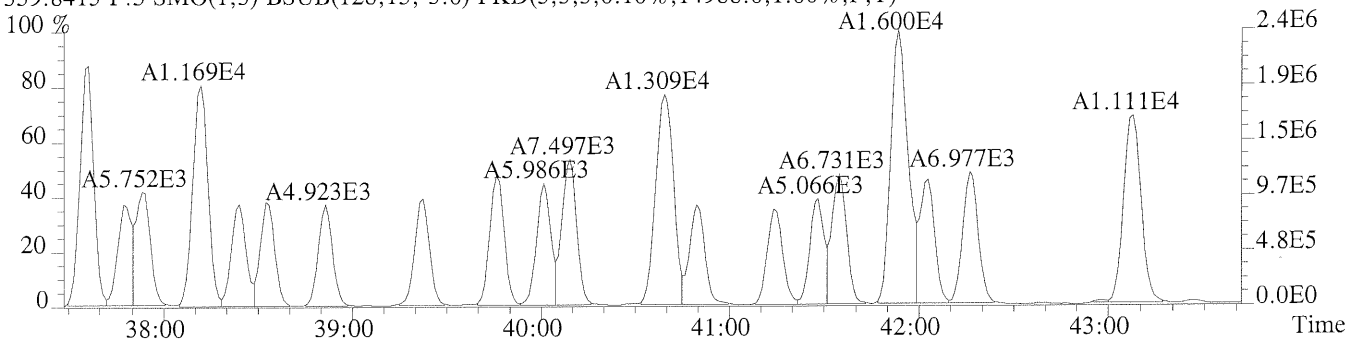


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

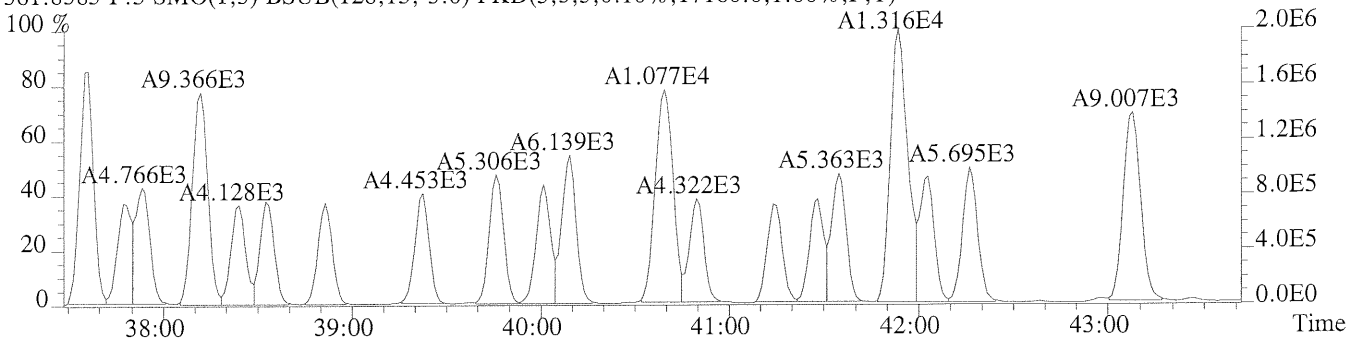


File:U142154 #1-398 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

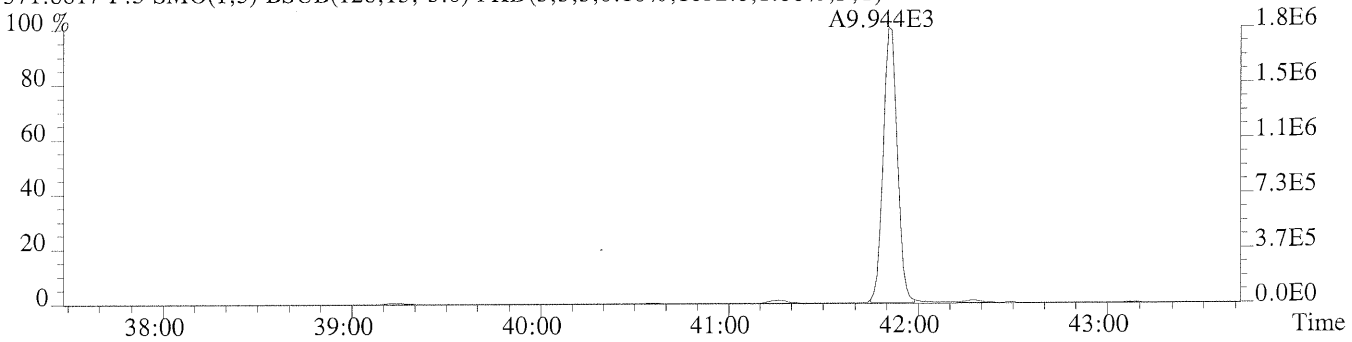
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,14988.0,1.00%,F,T)



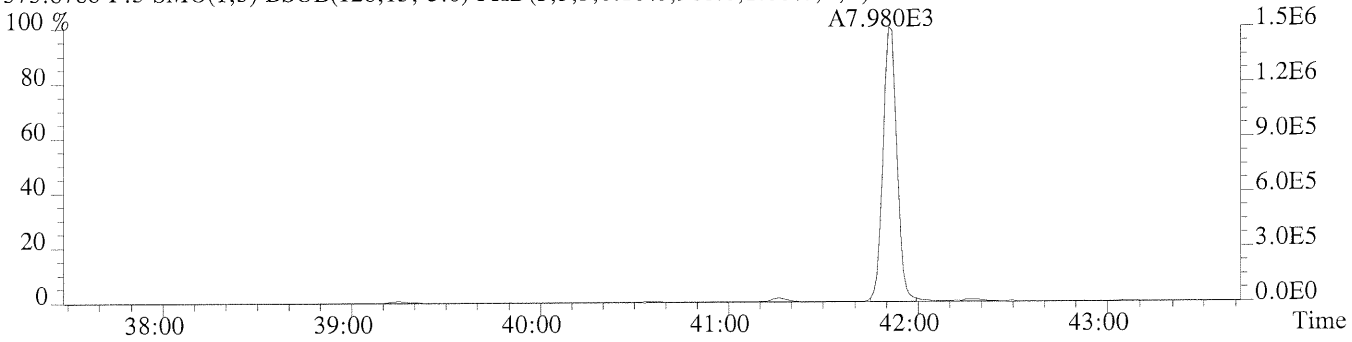
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17160.0,1.00%,F,T)



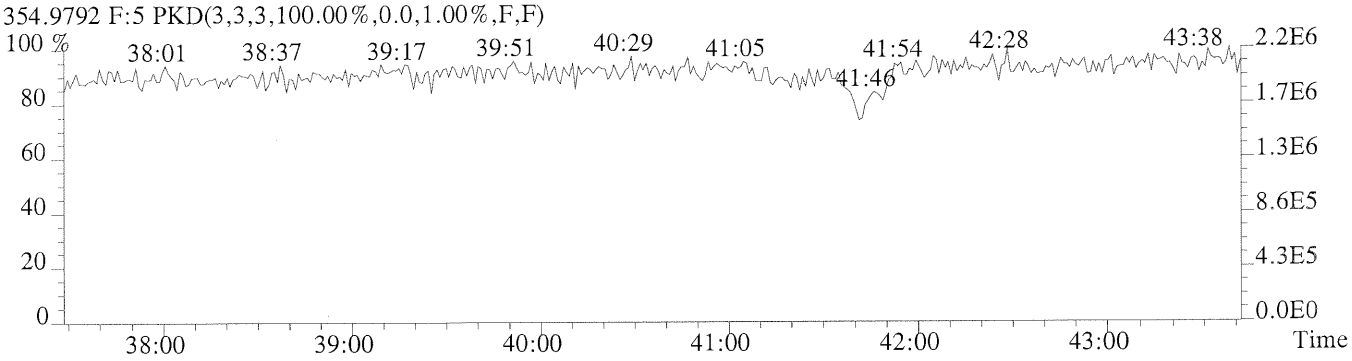
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1052.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)

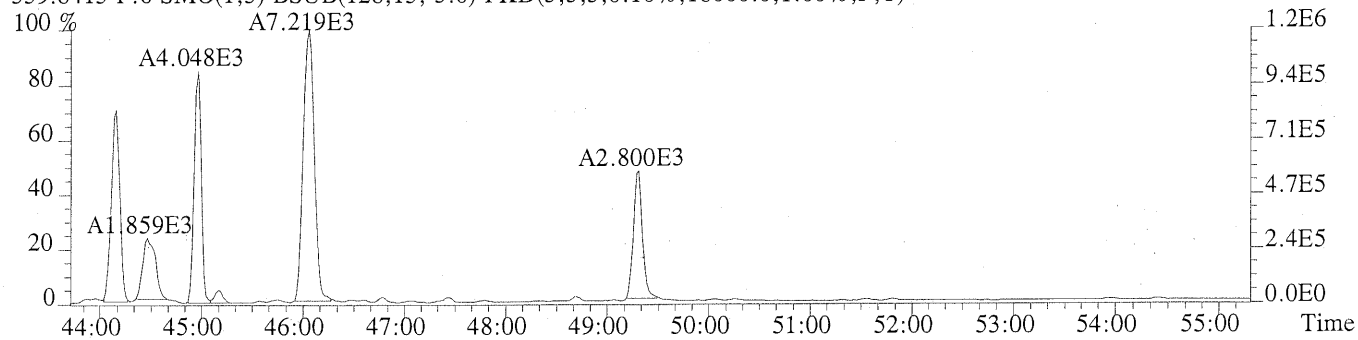


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

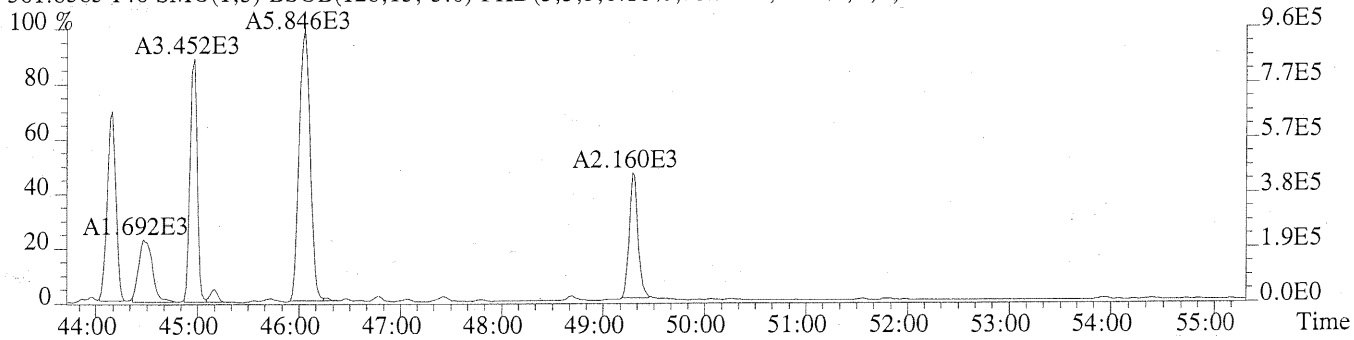


File:U142154 #1-575 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

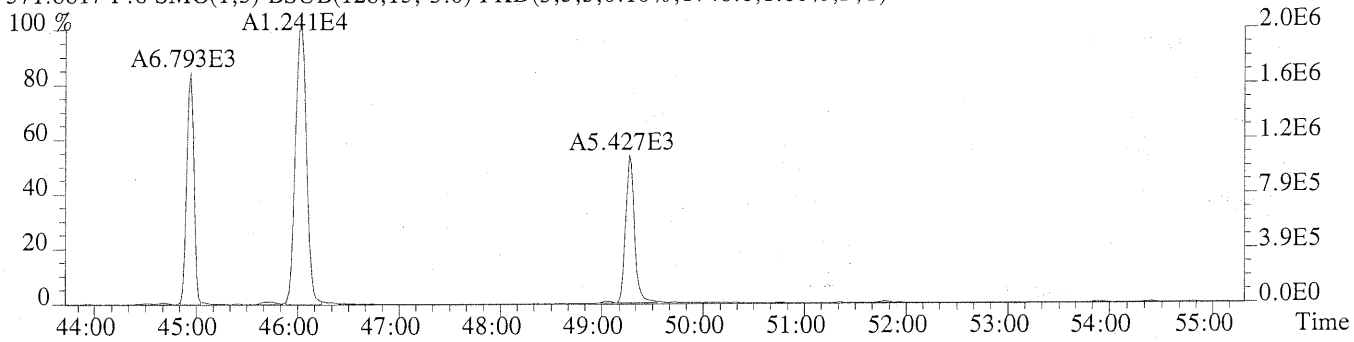
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18000.0,1.00%,F,T)



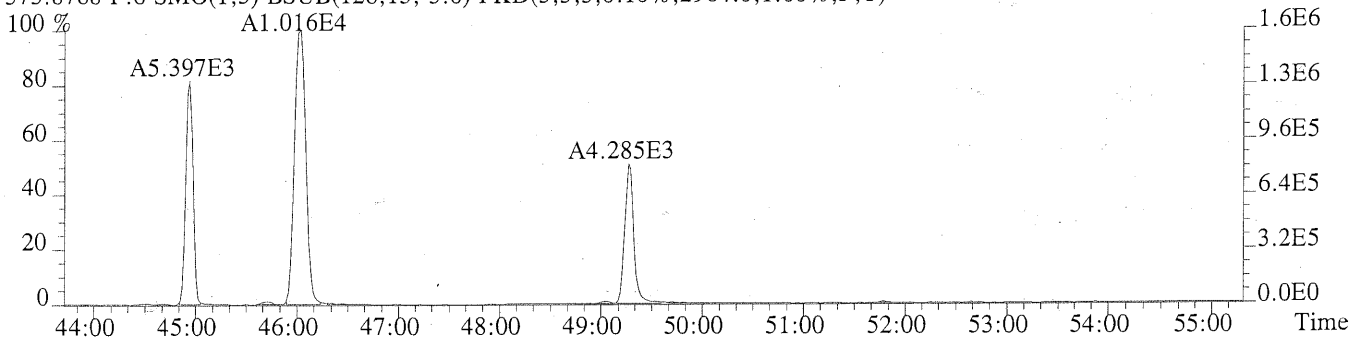
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13216.0,1.00%,F,T)



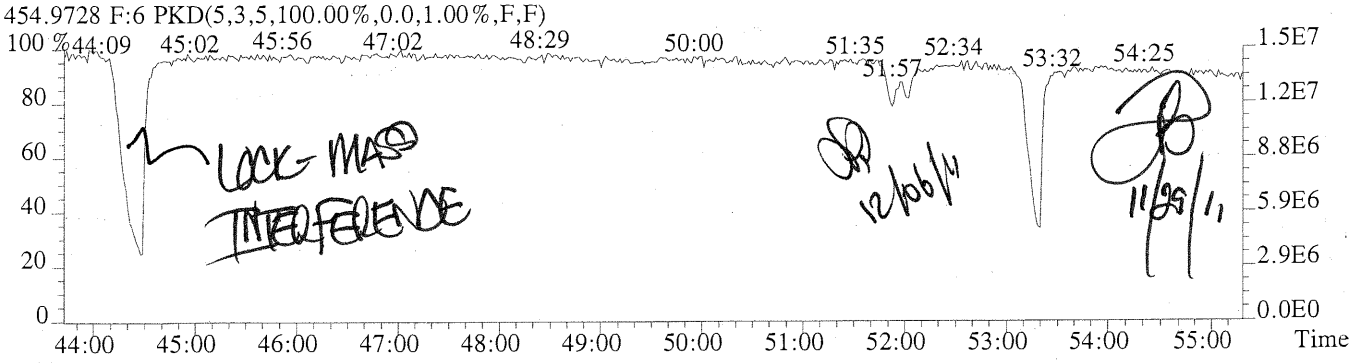
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1748.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2964.0,1.00%,F,T)

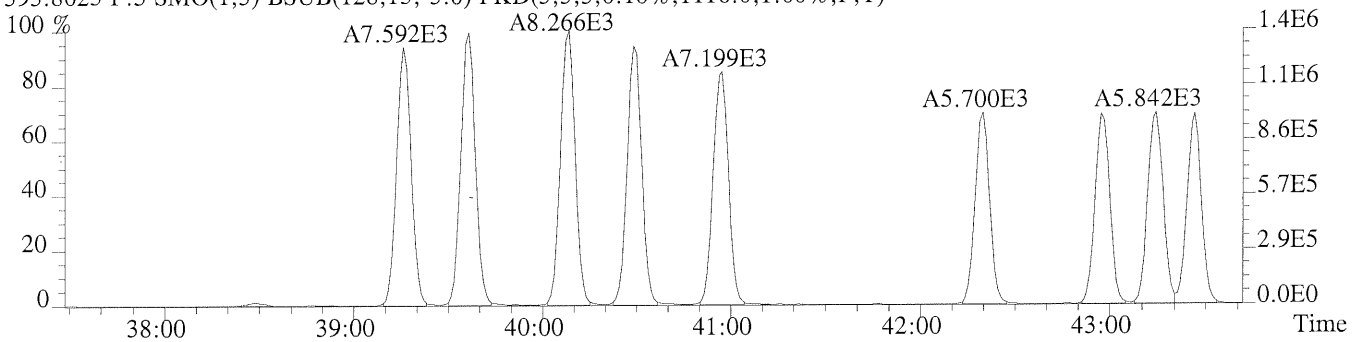


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

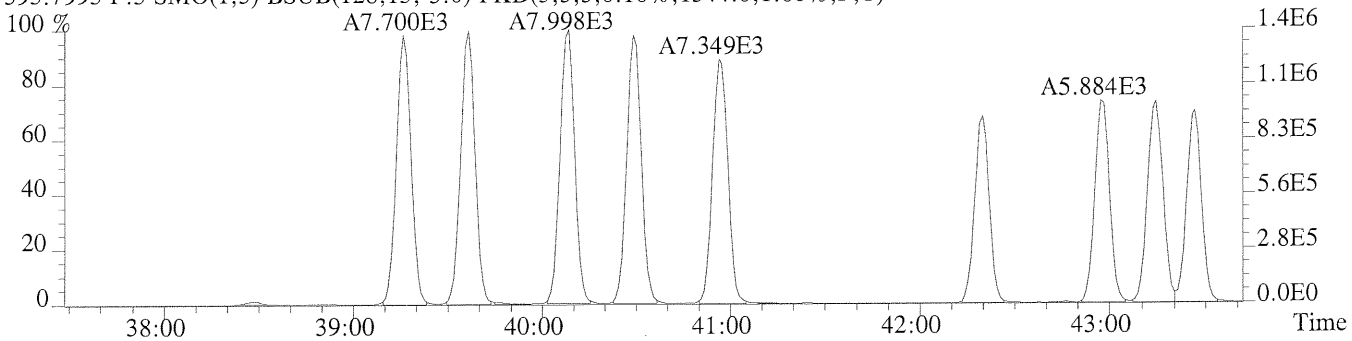


File:U142154 #1-398 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

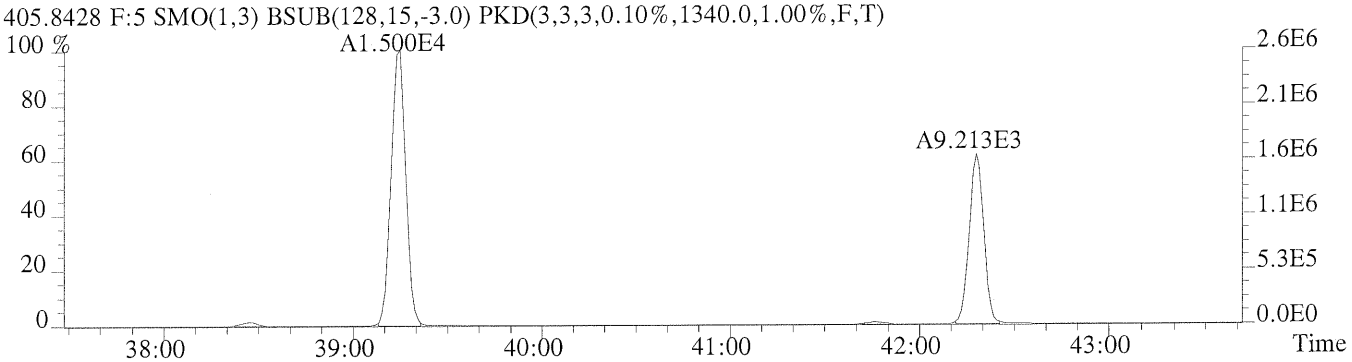
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1116.0,1.00%,F,T)



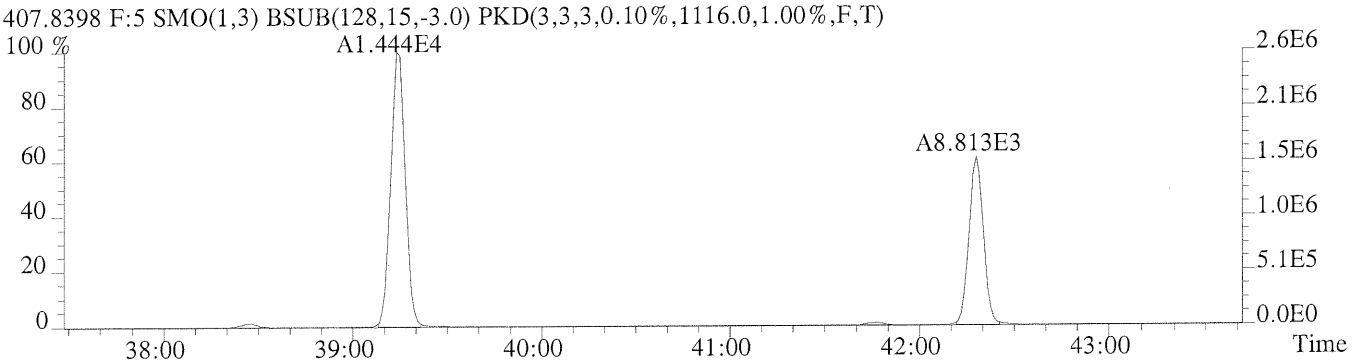
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1344.0,1.00%,F,T)



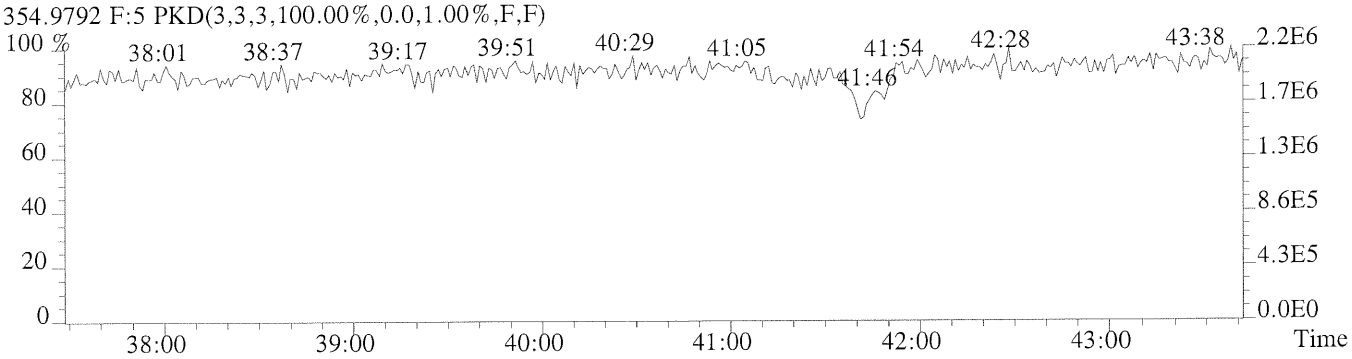
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1340.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1116.0,1.00%,F,T)

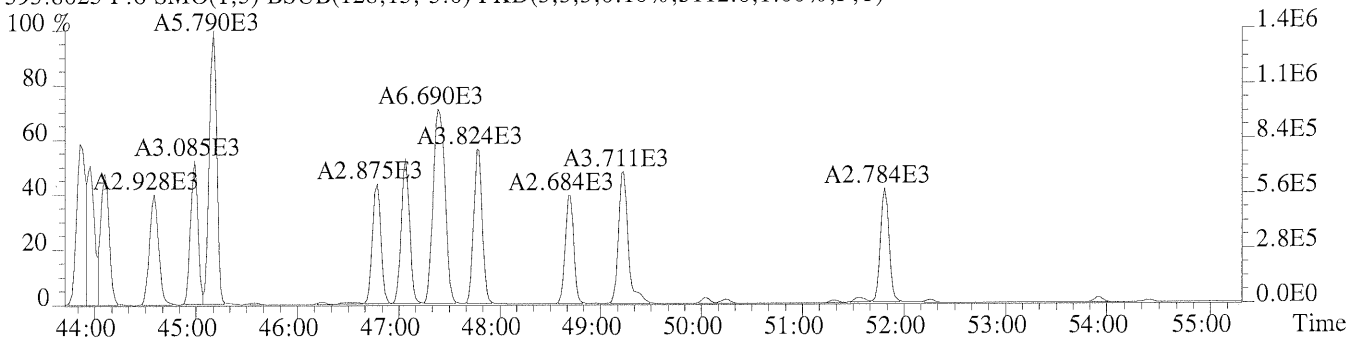


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

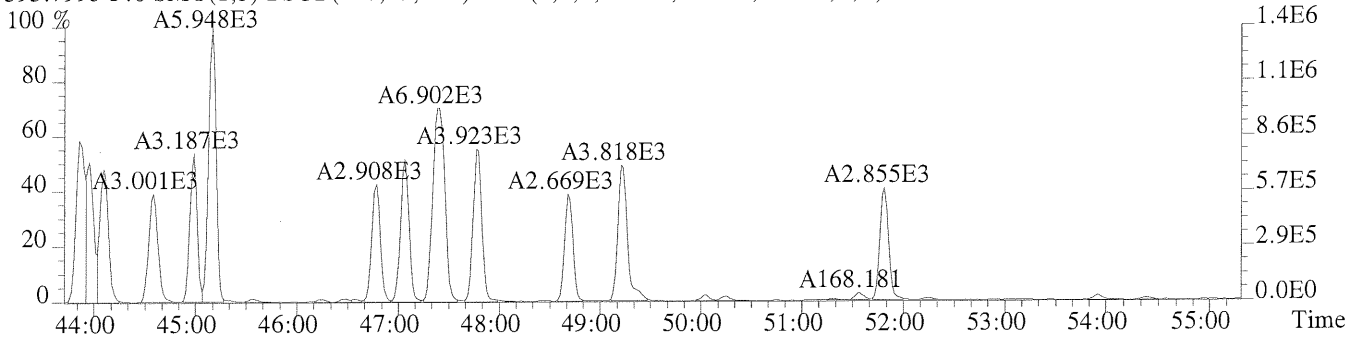


File:U142154 #1-575 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

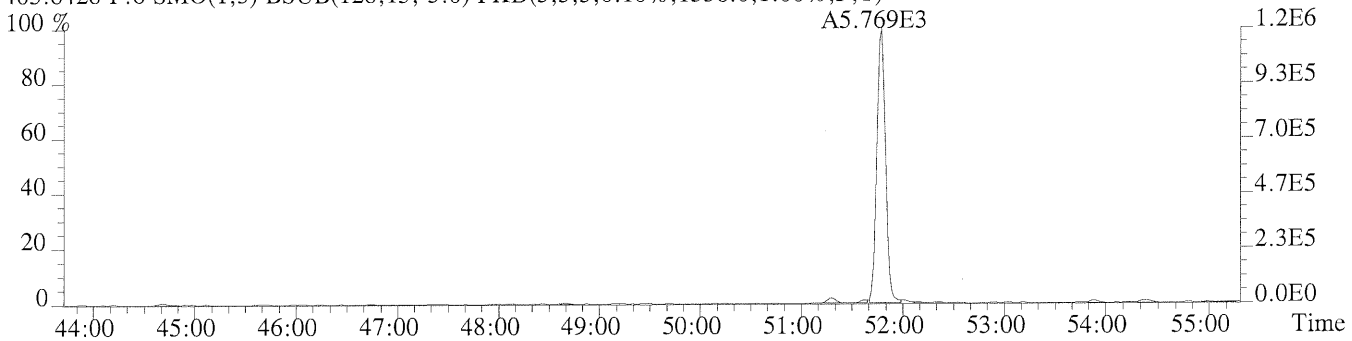
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5112.0,1.00%,F,T)



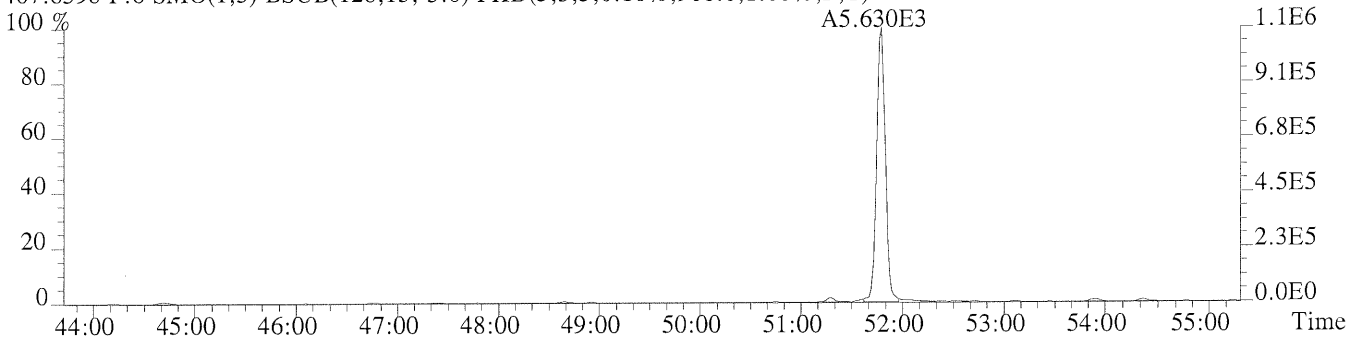
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2240.0,1.00%,F,T)



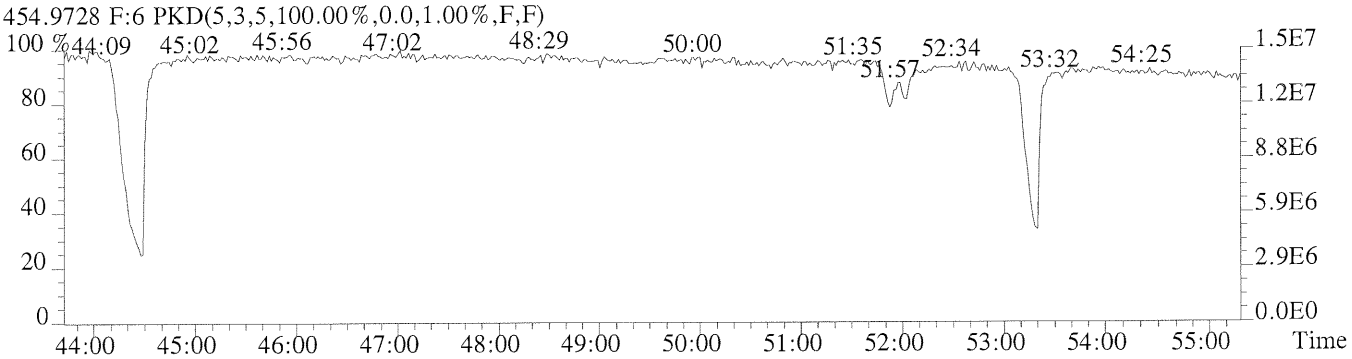
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1536.0,1.00%,F,T)



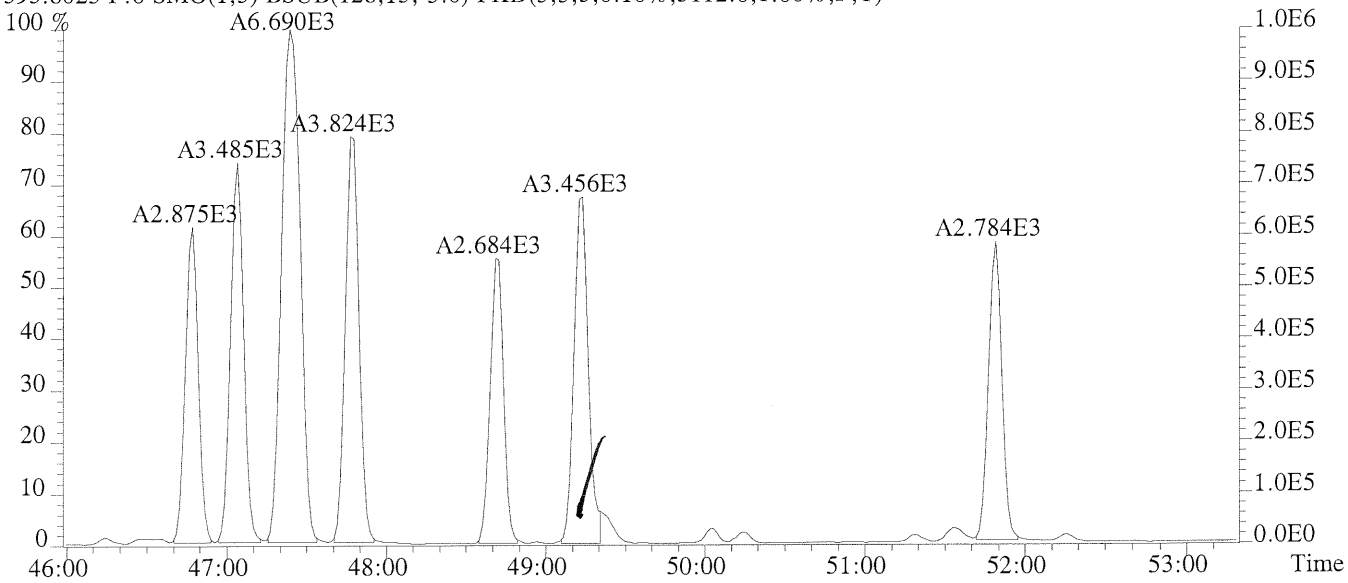
407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,908.0,1.00%,F,T)



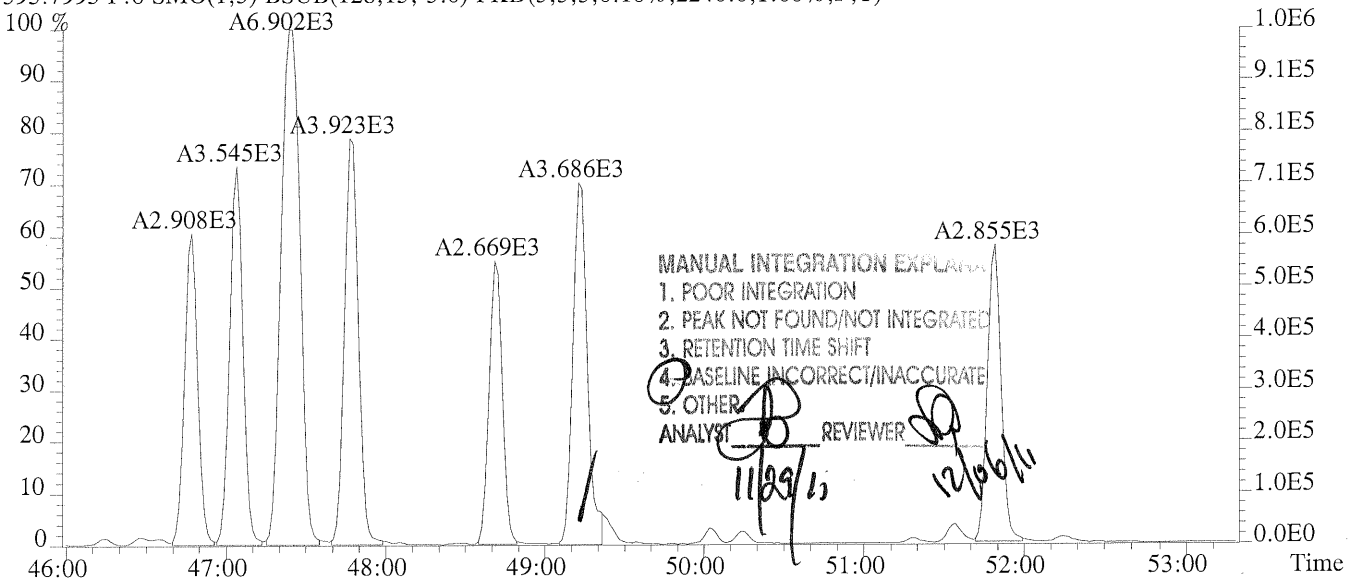
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



File:U142154 #1-575 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5112.0,1.00%,F,T)

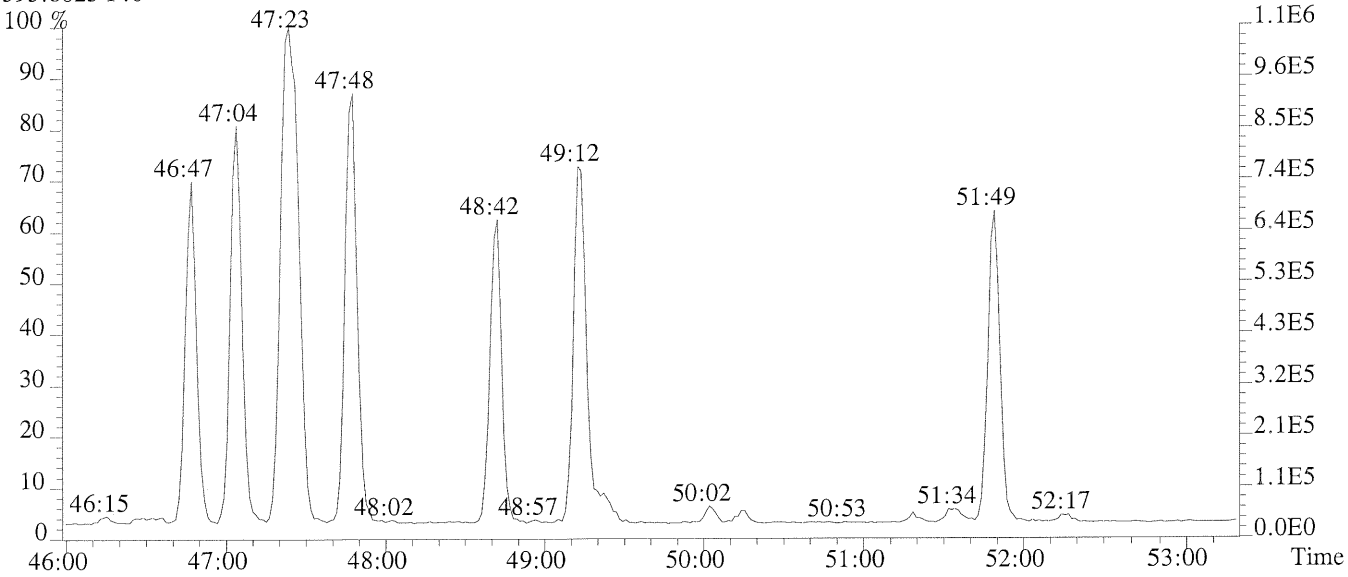


395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2240.0,1.00%,F,T)



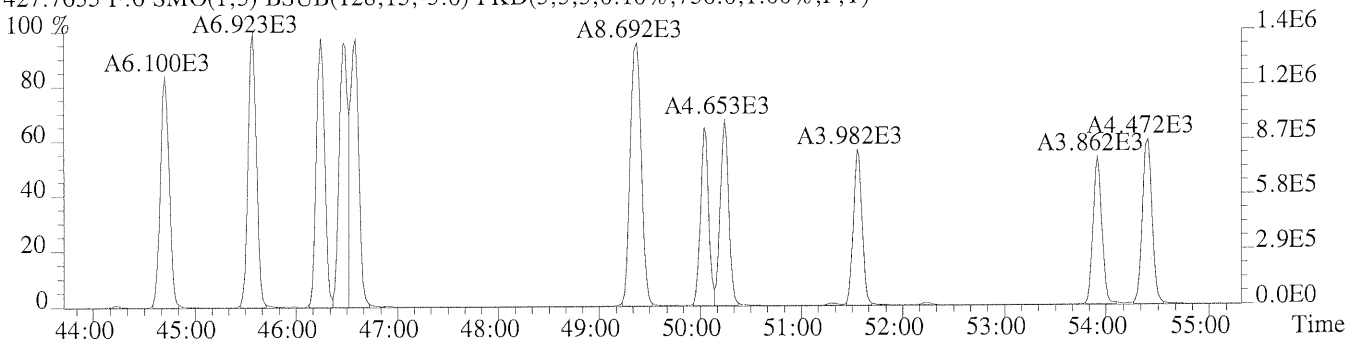
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST 11/29/11 REVIEWER 12/06/11

393.8025 F:6

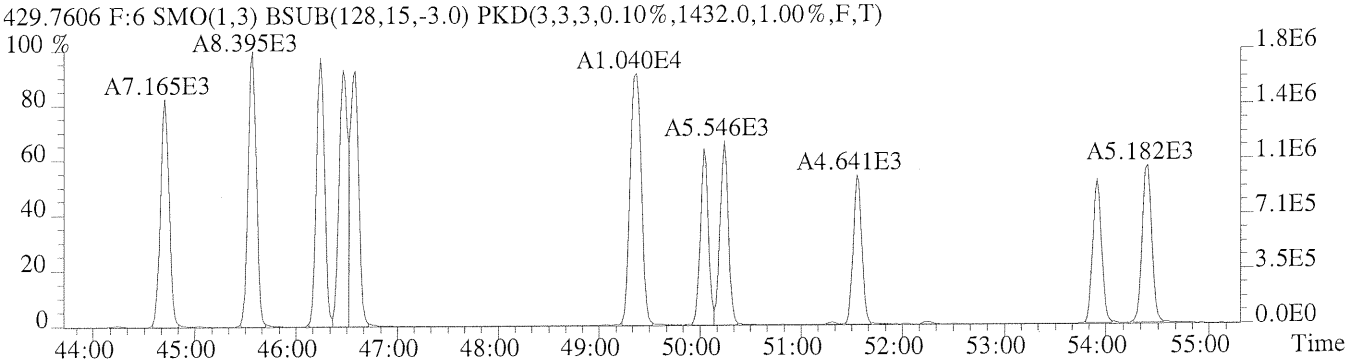


File:U142154 #1-575 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

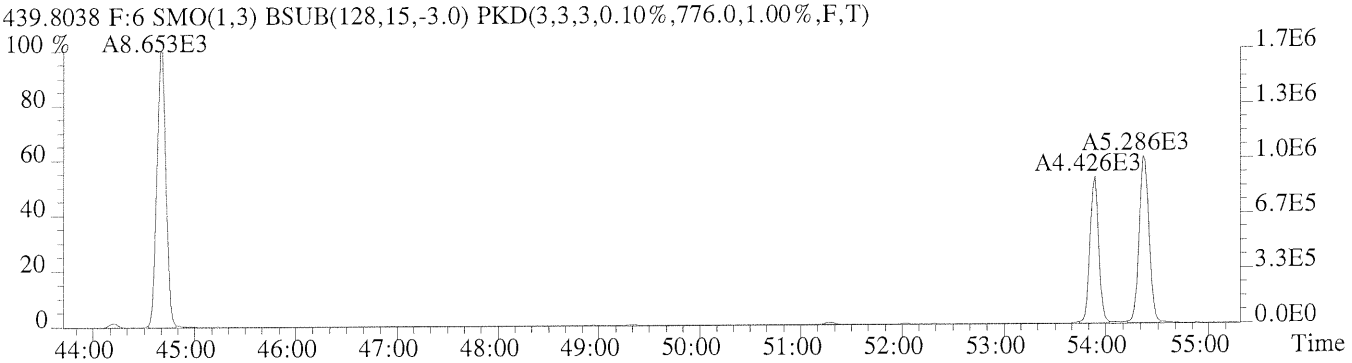
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,756.0,1.00%,F,T)



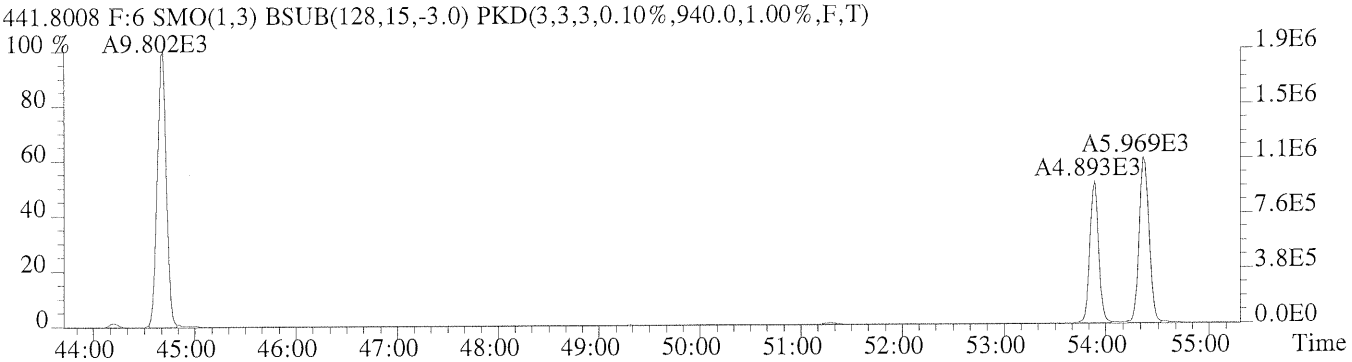
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1432.0,1.00%,F,T)



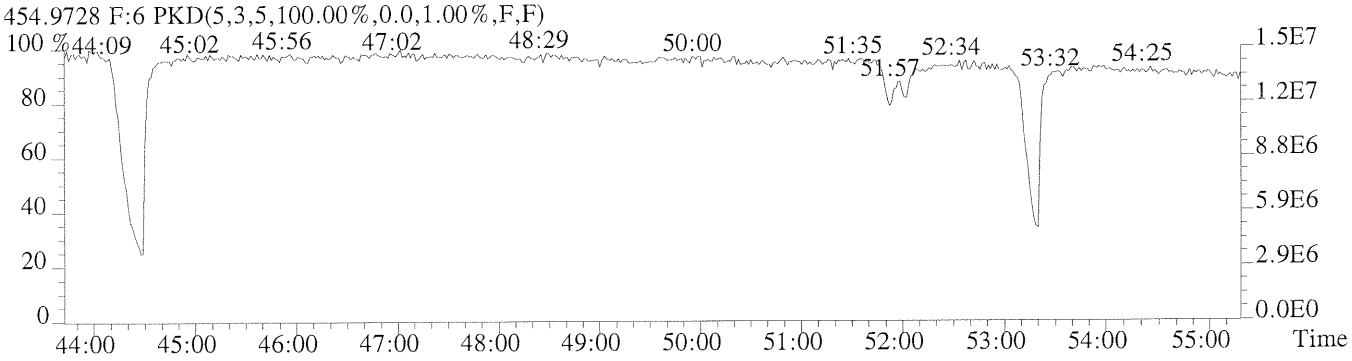
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,940.0,1.00%,F,T)

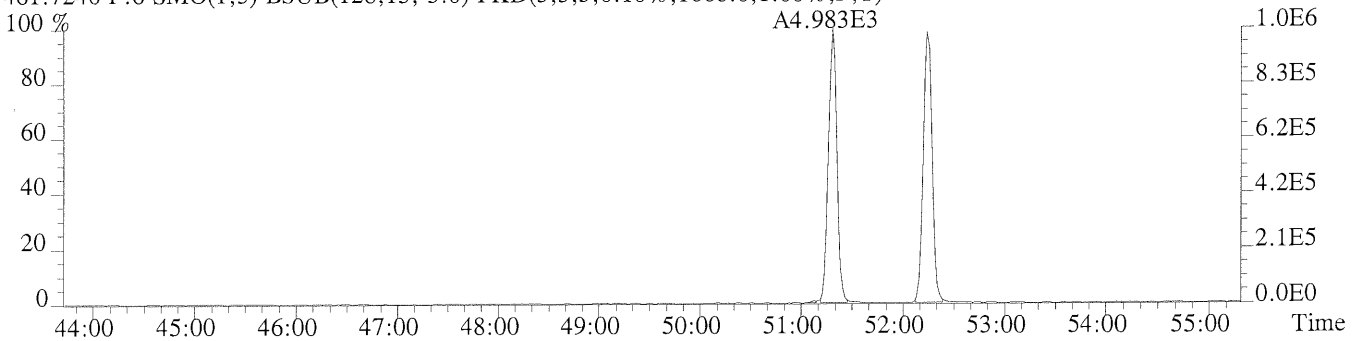


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

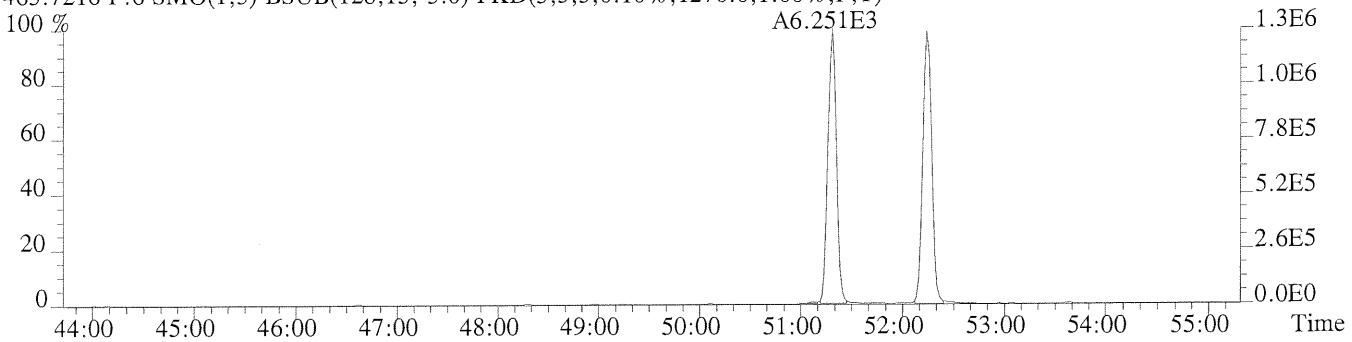


File:U142154 #1-575 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

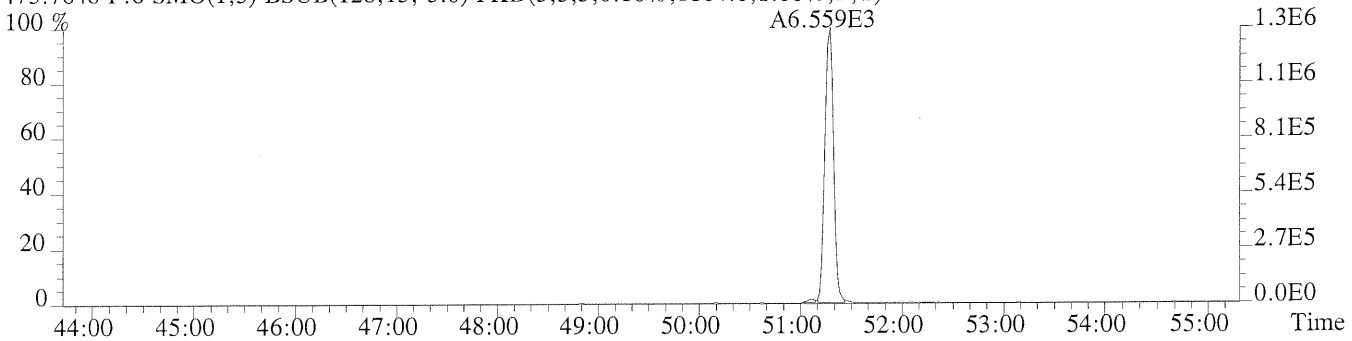
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1668.0,1.00%,F,T)



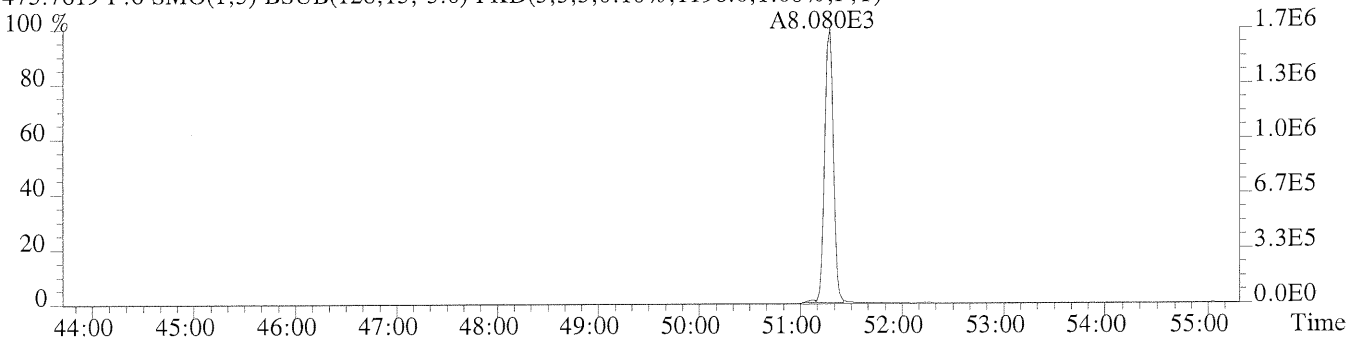
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1276.0,1.00%,F,T)



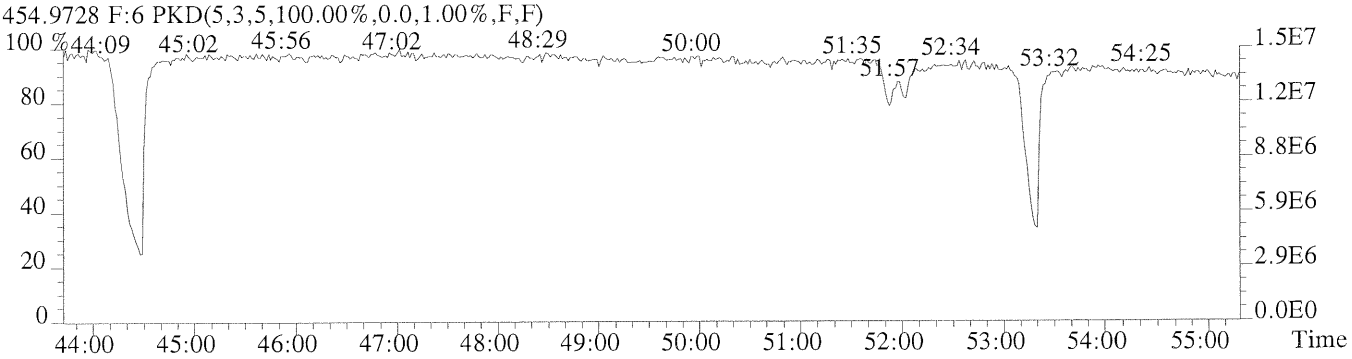
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1104.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)

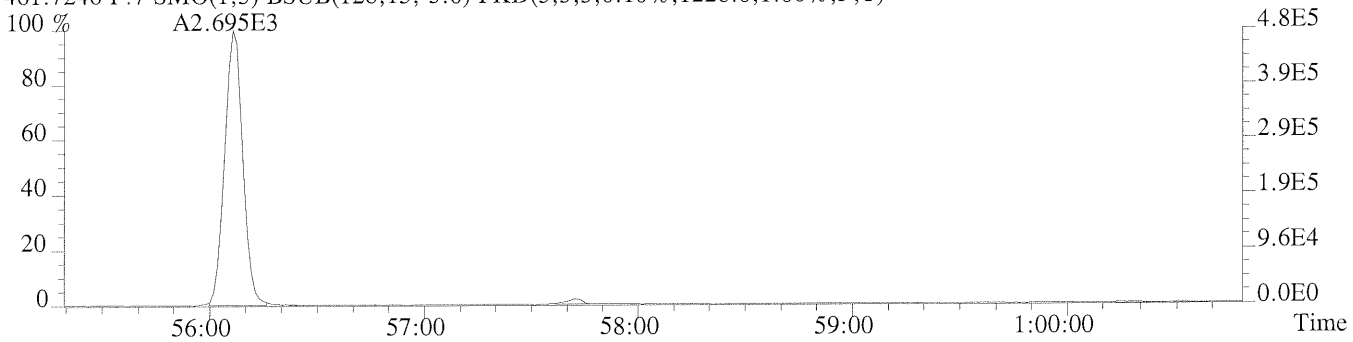


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

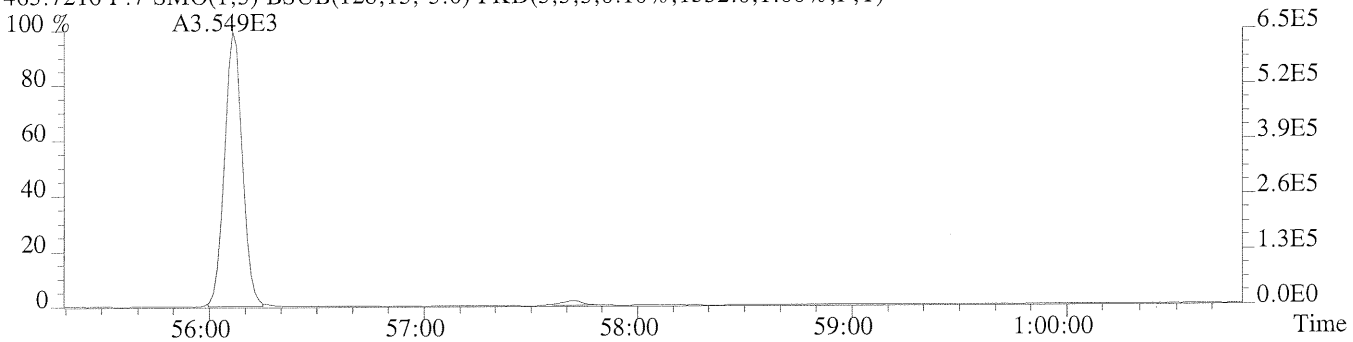


File:U142154 #1-310 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

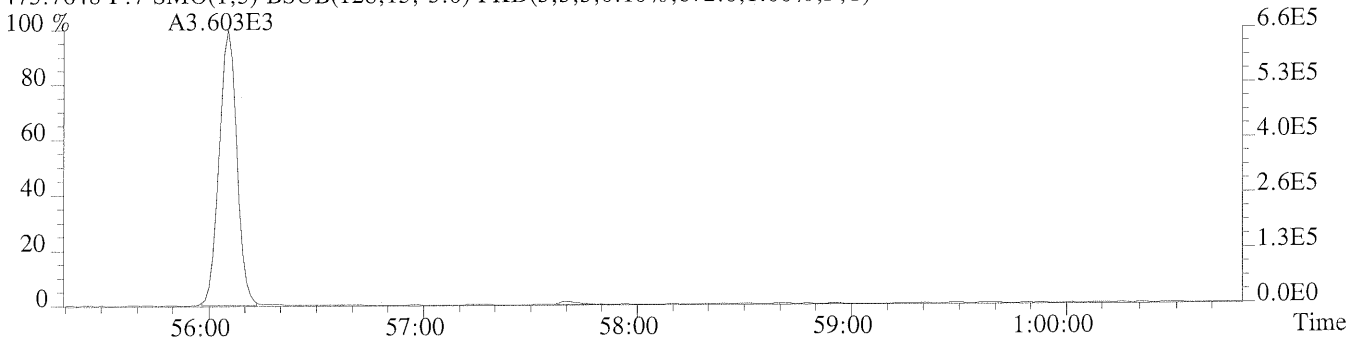
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)



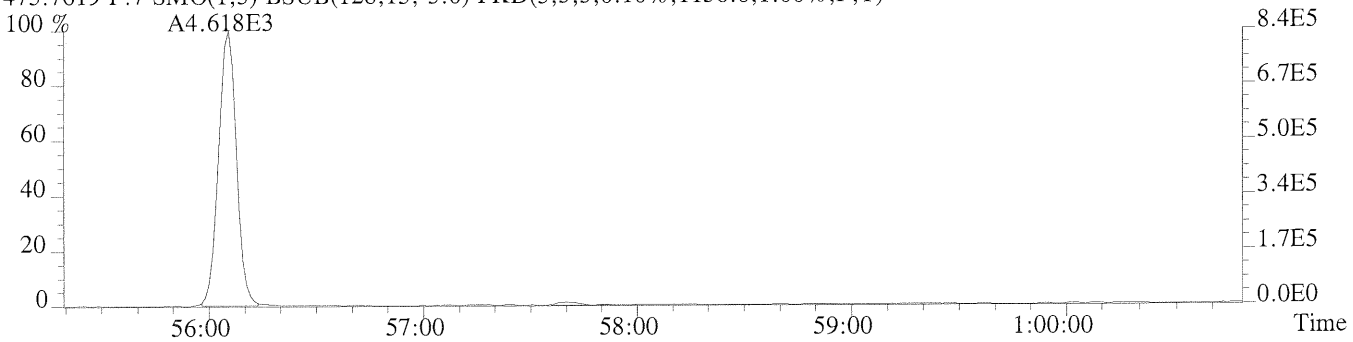
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1532.0,1.00%,F,T)



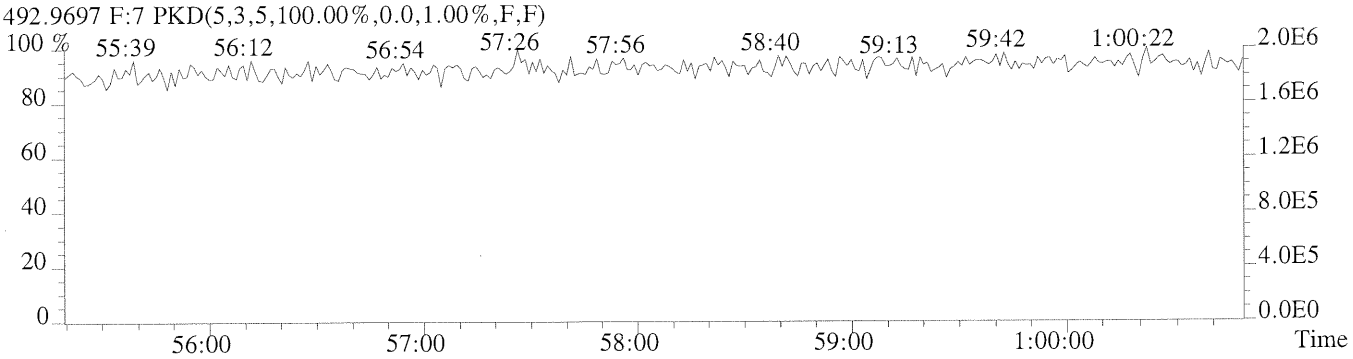
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1156.0,1.00%,F,T)

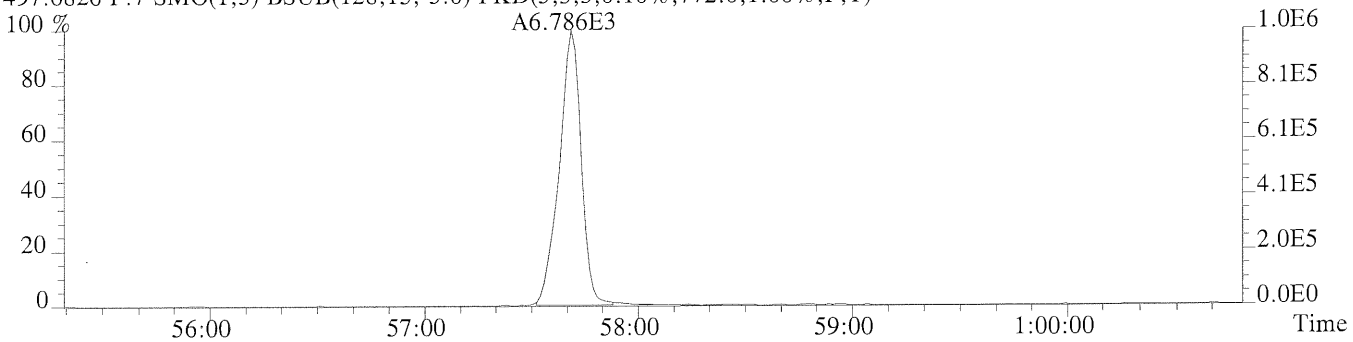


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

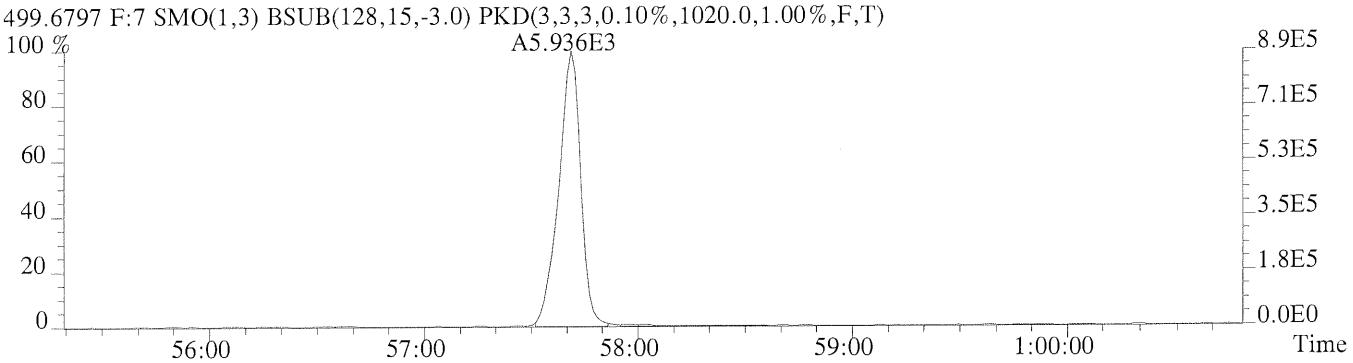


File:U142154 #1-310 Acq:22-NOV-2011 06:51:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

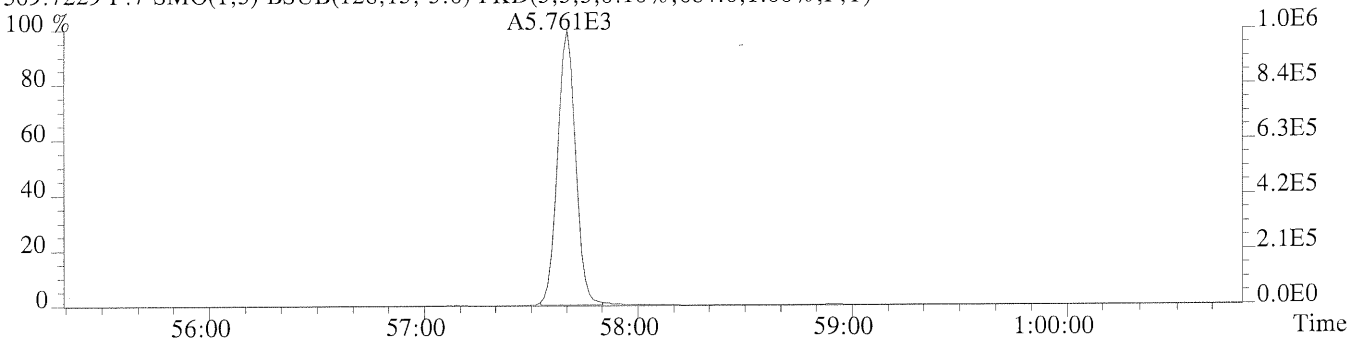
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,772.0,1.00%,F,T)



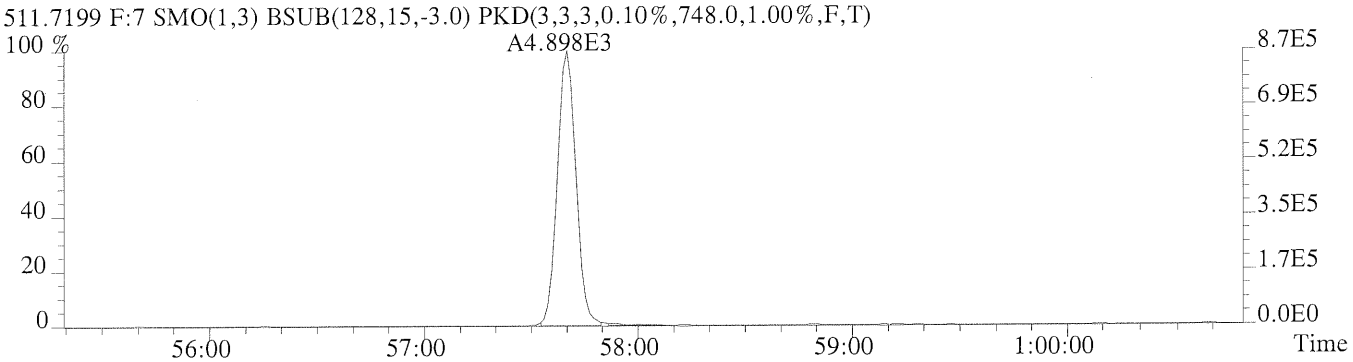
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1020.0,1.00%,F,T)



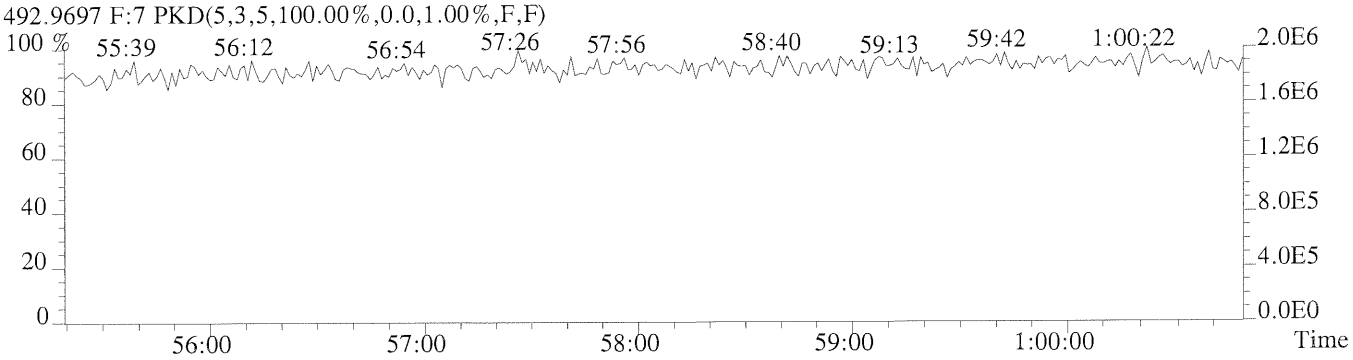
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,684.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,748.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



FORM 4A
PCB CALIBRATION VERIFICATION

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 02/23/11

Instrument ID: Autospec Ultima GC Column ID: SPB-OCTYL

VER Data Filename: U142155 Analysis Date: 22-NOV-11 Time: 08:05:05

NATIVE ANALYTES	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	CONC. FOUND	CONC. RANGE (3) (ng/mL)
2-MoCB	M/M+2	3.11	2.66-3.60	42.8	35.0 - 65.0
4-MoCB	M/M+2	2.98	2.66-3.60	43.7	35.0 - 65.0
22'-DiCB	M/M+2	1.63	1.33-1.79	46.4	35.0 - 65.0
44'-DiCB	M/M+2	1.57	1.33-1.79	46.8	35.0 - 65.0
22'6'-TrCB	M/M+2	1.00	0.88-1.20	47.6	35.0 - 65.0
344'-TrCB	M/M+2	1.02	0.88-1.20	46.1	35.0 - 65.0
22'66'-TeCB	M/M+2	0.74	0.65-0.89	50.5	35.0 - 65.0
344'5-TeCB	M/M+2	0.78	0.65-0.89	48.4	35.0 - 65.0
33'44'-TeCB	M/M+2	0.79	0.65-0.89	50.7	35.0 - 65.0
22'466'-PeCB	M+2/M+4	1.58	1.32-1.78	48.7	35.0 - 65.0
23'344'5-PeCB	M+2/M+4	1.54	1.32-1.78	46.5	35.0 - 65.0
23'44'5-PeCB	M+2/M+4	1.49	1.32-1.78	45.5	35.0 - 65.0
2344'5-PeCB	M+2/M+4	1.55	1.32-1.78	48.3	35.0 - 65.0
233'44'-PeCB	M+2/M+4	1.44	1.32-1.78	47.2	35.0 - 65.0
33'44'5-PeCB	M+2/M+4	1.49	1.32-1.78	47.5	35.0 - 65.0
22'44'66'-HxCB	M+2/M+4	1.18	1.05-1.43	48.4	35.0 - 65.0
23'44'55'-HxCB	M+2/M+4	1.20	1.05-1.43	48.3	35.0 - 65.0
233'44'5-HxCB	M+2/M+4	1.22	1.05-1.43	94.9	70.0 -130.0
33'44'55'-HxCB	M+2/M+4	1.25	1.05-1.43	49.9	35.0 - 65.0
233'34'566'-HpCB	M+2/M+4	1.02	0.89-1.21	48.2	35.0 - 65.0
233'44'55'-HpCB	M+2/M+4	0.98	0.89-1.21	52.1	35.0 - 65.0
233'33'55'66'-OcCB	M+2/M+4	0.85	0.76-1.02	52.8	35.0 - 65.0
233'44'55'6-OcCB	M+2/M+4	0.84	0.76-1.02	50.0	35.0 - 65.0
233'33'4'55'66'-NoCB	M+2/M+4	0.80	0.65-0.89	54.4	35.0 - 65.0
233'33'44'55'6-NoCB	M+2/M+4	0.76	0.65-0.89	49.9	35.0 - 65.0
DeCB	M+4/M+6	1.16	0.99-1.33	52.8	35.0 - 65.0

(1) See Table 7, Method 1668A, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 8, Method 1668A.

(3) Contract-required concentration range as specified in Table 6, Method 1668A, under VER.

SP1668F4AU

FORM 4B
PCB CALIBRATION VERIFICATION

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 02/23/11

Instrument ID: Autospec Ultima GC Column ID: SPB-OCTYL

VER Data Filename: U142155 Analysis Date: 22-NOV-11 Time: 08:05:05

	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	CONC. FOUND	CONC. RANGE (3) (ng/mL)
LABELED COMPOUNDS					
13C-2-MoCB	M/M+2	2.95	2.66-3.60	104.8	50.0 - 150.0
13C-4-MoCB	M/M+2	3.09	2.66-3.60	103.7	50.0 - 150.0
13C-22'-DiCB	M/M+2	1.51	1.33-1.79	131.0	50.0 - 150.0
13C-44'-DiCB	M/M+2	1.52	1.33-1.79	101.5	50.0 - 150.0
13C-22'6'-TrCB	M/M+2	1.00	0.88-1.20	132.9	50.0 - 150.0
13C-344'-TrCB	M/M+2	1.04	0.88-1.20	79.9	50.0 - 150.0
13C-22'66'-TeCB	M/M+2	0.78	0.65-0.89	108.7	50.0 - 150.0
13C-344'5-TeCB	M/M+2	0.77	0.65-0.89	81.9	50.0 - 150.0
13C-33'44'-TeCB	M/M+2	0.76	0.65-0.89	78.2	50.0 - 150.0
13C-22'466'-PeCB	M+2/M+4	1.53	1.32-1.78	104.5	50.0 - 150.0
13C-2'344'5-PeCB	M+2/M+4	1.55	1.32-1.78	79.6	50.0 - 150.0
13C-23'44'5-PeCB	M+2/M+4	1.54	1.32-1.78	79.7	50.0 - 150.0
13C-2344'5-PeCB	M+2/M+4	1.54	1.32-1.78	74.9	50.0 - 150.0
13C-233'44'-PeCB	M+2/M+4	1.57	1.32-1.78	75.7	50.0 - 150.0
13C-33'44'5-PeCB	M+2/M+4	1.59	1.32-1.78	76.9	50.0 - 150.0
13C-22'44'66'-HxCB	M+2/M+4	1.27	1.05-1.43	107.8	50.0 - 150.0
13C-23'44'55'-HxCB	M+2/M+4	1.27	1.05-1.43	76.7	50.0 - 150.0
13C-233'44'5'-HxCB	M+2/M+4	1.24	1.05-1.43	153.3	100.0 - 300.0
13C-33'44'55'-HxCB	M+2/M+4	1.21	1.05-1.43	71.6	50.0 - 150.0
13C-22'344'566'-HpCB	M+2/M+4	1.04	0.89-1.21	125.9	50.0 - 150.0
13C-233'44'55'-HpCB	M+2/M+4	1.06	0.89-1.21	95.8	50.0 - 150.0
13C-22'33'55'66'-OcCB	M+2/M+4	0.88	0.76-1.02	105.2	50.0 - 150.0
13C-233'44'55'6-OcCB	M+2/M+4	0.89	0.76-1.02	101.5	50.0 - 150.0
13C-22'33'4'55'66'-NoCB	M+2/M+4	0.80	0.65-0.89	114.6	50.0 - 150.0
13C-22'33'44'55'6-NoCB	M+2/M+4	0.78	0.65-0.89	90.4	50.0 - 150.0
13C-DeCB	M+4/M+6	1.19	0.99-1.33	90.4	50.0 - 150.0
CLEANUP STANDARDS					
13C-244'-TrCB	M/M+2	1.03	0.88-1.20	80.4	50.0 - 150.0
13C-233'55'-PeCB	M+2/M+4	1.55	1.32-1.78	96.1	50.0 - 150.0
13C-22'33'55'6-HpCB	M+2/M+4	1.04	0.89-1.21	98.3	50.0 - 150.0

(1) See Table 7, Method 1668A, for m/z specifications.
(2) Ion Abundance Ratio Control Limits as specified in Table 8, Method 1668A.
(3) Contract-required concentration range, as specified in Table 6, Method 1668A, under VER.

SP1668F4Bu

Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
CCAL CS3

#7 Filename U142155 Samp: 1 Inj: 1 Acquired: 22-NOV-11 08:05:05
Processed: 29-NOV-11 10:39:58 Sample ID: CCAL CS3

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?
1	1	2-MoCB	13:21	1.412e+04	4.535e+03	3.11	yes	no
2	3	4-MoCB	15:38	1.312e+04	4.408e+03	2.98	yes	no
3	4	22'-DiCB	15:52	1.070e+04	6.577e+03	1.63	yes	no
4	15	44'-DiCB	21:55	8.670e+03	5.520e+03	1.57	yes	no
5	19	22'6'-TrCB	19:03	6.412e+03	6.403e+03	1.00	yes	no
6	37	344'-TrCB	29:03	6.929e+03	6.776e+03	1.02	yes	no
7	54	22'66'-TeCB	22:13	7.994e+03	1.076e+04	0.74	yes	no
8	81	344'5-TeCB	35:51	5.083e+03	6.513e+03	0.78	yes	no
9	77	33'44'-TeCB	36:24	4.951e+03	6.258e+03	0.79	yes	no
10	104	22'466'-PeCB	27:46	1.237e+04	7.820e+03	1.58	yes	no
11	123	2'344'5-PeCB	38:24	6.490e+03	4.216e+03	1.54	yes	no
12	118	23'44'5-PeCB	38:44	6.431e+03	4.316e+03	1.49	yes	no
13	114	2344'5-PeCB	39:16	6.469e+03	4.161e+03	1.55	yes	no
14	105	233'44'-PeCB	39:54	5.978e+03	4.137e+03	1.44	yes	no
15	126	33'44'5-PeCB	43:01	5.202e+03	3.485e+03	1.49	yes	no
16	155	22'44'66'-HxCB	33:30	1.094e+04	9.277e+03	1.18	yes	no
17	167	23'44'55'-HxCB	44:53	4.296e+03	3.586e+03	1.20	yes	no
18	156/7	233'44'5-HxCB	46:02	7.875e+03	6.454e+03	1.22	yes	no
19	169	33'44'55'-HxCB	49:16	3.381e+03	2.699e+03	1.25	yes	no
20	188	22'34'566'-HpCB	39:15	8.632e+03	8.485e+03	1.02	yes	no
21	189	233'44'55'-HpCB	51:48	3.371e+03	3.428e+03	0.98	yes	no
22	202	22'33'55'66'-OcCB	44:37	4.800e+03	5.658e+03	0.85	yes	no
23	205	233'44'55'6-OcCB	54:20	3.390e+03	4.025e+03	0.84	yes	no
24	208	22'33'4'55'66'-NoCB	51:17	3.932e+03	4.923e+03	0.80	yes	no
25	206	22'33'44'55'6-NoCB	56:05	2.176e+03	2.879e+03	0.76	yes	no
26	209	DeCB	57:40	4.309e+03	3.730e+03	1.16	yes	no
27	1L	13C-2-MoCB	13:20	3.037e+04	1.028e+04	2.95	yes	no
28	3L	13C-4-MoCB	15:37	2.923e+04	9.456e+03	3.09	yes	no
29	4L	13C-22'-DiCB	15:51	2.014e+04	1.334e+04	1.51	yes	no
30	15L	13C-44'-DiCB	21:54	1.875e+04	1.230e+04	1.52	yes	no
31	19L	13C-22'6'-TrCB	19:02	1.344e+04	1.346e+04	1.00	yes	no
32	37L	13C-344'-TrCB	29:02	1.392e+04	1.341e+04	1.04	yes	no
33	54L	13C-22'66'-TeCB	22:10	1.628e+04	2.078e+04	0.78	yes	no
34	81L	13C-344'5-TeCB	35:49	1.008e+04	1.310e+04	0.77	yes	no
35	77L	13C-33'44'-TeCB	36:23	9.556e+03	1.264e+04	0.76	yes	no
36	104L	13C-22'466'-PeCB	27:46	2.437e+04	1.591e+04	1.53	yes	no
37	123L	13C-2'344'5-PeCB	38:23	1.375e+04	8.884e+03	1.55	yes	no
38	118L	13C-23'44'5-PeCB	38:43	1.436e+04	9.335e+03	1.54	yes	no
39	114L	13C-2344'5-PeCB	39:14	1.346e+04	8.761e+03	1.54	yes	no
40	105L	13C-233'44'-PeCB	39:53	1.293e+04	8.252e+03	1.57	yes	no
41	126L	13C-33'44'5-PeCB	42:59	1.170e+04	7.358e+03	1.59	yes	no
42	155L	13C-22'44'66'-HxCB	33:28	2.365e+04	1.861e+04	1.27	yes	no
43	167L	13C-23'44'55'-HxCB	44:51	9.065e+03	7.136e+03	1.27	yes	no
44	156/7	13C-233'44'5'-HxCB	46:01	1.660e+04	1.343e+04	1.24	yes	no
45	169L	13C-33'44'55'-HxCB	49:15	6.732e+03	5.556e+03	1.21	yes	no
46	188L	13C-22'34'566'-HpCB	39:13	1.825e+04	1.759e+04	1.04	yes	no
47	189L	13C-233'44'55'-HpCB	51:45	7.763e+03	7.358e+03	1.06	yes	no
48	202L	13C-22'33'55'66'-OcCB	44:36	1.072e+04	1.220e+04	0.88	yes	no
49	205L	13C-233'44'55'6-OcCB	54:19	7.878e+03	8.827e+03	0.89	yes	no
50	208L	13C-22'33'4'55'66'-NoCB	51:16	8.209e+03	1.029e+04	0.80	yes	no
51	206L	13C-22'33'44'55'6-NoCB	56:03	4.757e+03	6.132e+03	0.78	yes	no
52	209L	13C-DeCB	57:38	9.256e+03	7.789e+03	1.19	yes	no

Filename U142155 Acquired: 22-NOV-11 08:05:05

28L	13C-244'-TrCB	24:57	1.690e+04	1.643e+04	1.03	yes	no
111L	13C-233'55'-PeCB	36:25	1.996e+04	1.291e+04	1.55	yes	no
178L	13C-22'33'55'6-HpCB	42:16	1.143e+04	1.099e+04	1.04	yes	no
9L	13C-2,5-DiCB	17:54	1.923e+04	1.259e+04	1.53	yes	no
52L	13C-22'55'-TeCB	26:48	1.314e+04	1.677e+04	0.78	yes	no
101L	13C-22'4'55'-PeCB	33:42	1.696e+04	1.065e+04	1.59	yes	no
138L	13C-22'3'44'5'-HxCB	41:50	1.334e+04	1.061e+04	1.26	yes	no
194L	13C-22'33'44'55'-OcCB	53:51	5.684e+03	6.389e+03	0.89	yes	no

umbia Analytical Services, Inc.
08 Park Row, Suite 320
ston, TX 77084
ce(713)266-1599. Fax(713)266-0130

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
CCAL CS3

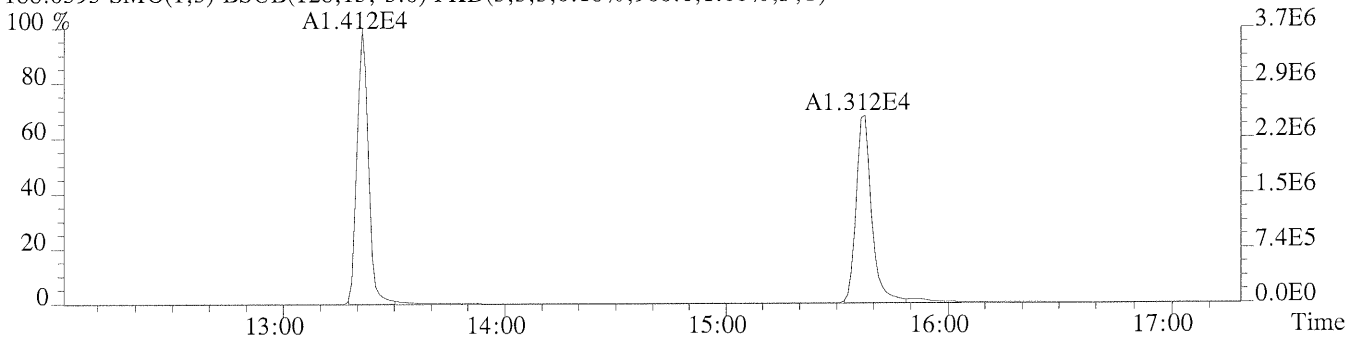
Run #7 Filename U142155 Samp: 1 Inj: 1 Acquired: 22-NOV-11 08:05:05
Processed: 29-NOV-11 10:39:581 LAB. ID: CCAL CS3

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
	2-MoCB	3.68e+06	9.00e+02	4.1e+03	1.18e+06	8.12e+02	1.5e+03
2	4-MoCB	2.50e+06	9.00e+02	2.8e+03	8.34e+05	8.12e+02	1.0e+03
3	22'-DiCB	2.35e+06	1.25e+03	1.9e+03	1.44e+06	1.20e+04	1.2e+02
4	44'-DiCB	1.37e+06	1.44e+03	9.5e+02	9.08e+05	9.56e+03	9.5e+01
	22'6'-TrCB	1.32e+06	1.35e+03	9.8e+02	1.33e+06	8.32e+02	1.6e+03
	344'-TrCB	1.03e+06	1.22e+03	8.5e+02	1.02e+06	7.28e+02	1.4e+03
	22'66'-TeCB	1.49e+06	6.36e+02	2.3e+03	2.06e+06	9.64e+02	2.1e+03
	344'5-TeCB	8.36e+05	6.76e+02	1.2e+03	1.03e+06	1.13e+03	9.1e+02
	33'44'-TeCB	7.41e+05	6.76e+02	1.1e+03	9.03e+05	1.13e+03	8.0e+02
10	22'466'-PeCB	2.08e+06	1.10e+03	1.9e+03	1.33e+06	7.24e+02	1.8e+03
11	2'344'5-PeCB	1.14e+06	1.58e+04	7.2e+01	7.32e+05	3.14e+03	2.3e+02
12	23'44'5-PeCB	1.12e+06	1.58e+04	7.1e+01	7.30e+05	3.14e+03	2.3e+02
13	2344'5-PeCB	1.11e+06	1.58e+04	7.1e+01	7.18e+05	3.14e+03	2.3e+02
14	233'44'-PeCB	1.00e+06	1.58e+04	6.3e+01	6.57e+05	3.14e+03	2.1e+02
15	33'44'5-PeCB	8.28e+05	1.58e+04	5.2e+01	5.27e+05	3.14e+03	1.7e+02
16	22'44'66'-HxCB	2.00e+06	9.12e+02	2.2e+03	1.68e+06	1.12e+03	1.5e+03
17	23'44'55'-HxCB	8.55e+05	1.68e+03	5.1e+02	7.25e+05	2.75e+03	2.6e+02
18	233'44'5-HxCB	1.19e+06	1.68e+03	7.1e+02	1.00e+06	2.75e+03	3.6e+02
19	33'44'55'-HxCB	6.30e+05	1.68e+03	3.7e+02	5.06e+05	2.75e+03	1.8e+02
20	22'34'566'-HpCB	1.52e+06	8.16e+02	1.9e+03	1.44e+06	6.48e+02	2.2e+03
21	233'44'55'-HpCB	6.70e+05	1.50e+03	4.5e+02	6.72e+05	5.40e+02	1.2e+03
22	22'33'55'66'-OcCB	1.03e+06	7.68e+02	1.3e+03	1.20e+06	1.91e+03	6.3e+02
23	233'44'55'6-OcCB	6.90e+05	7.68e+02	9.0e+02	8.13e+05	1.91e+03	4.3e+02
24	22'33'4'55'66'-NoCB	7.92e+05	8.72e+02	9.1e+02	9.89e+05	7.76e+02	1.3e+03
25	22'33'44'55'6-NoCB	3.89e+05	1.04e+03	3.7e+02	5.17e+05	1.20e+03	4.3e+02
26	DeCB	7.71e+05	1.28e+03	6.0e+02	6.79e+05	1.20e+03	5.7e+02
27	13C-2-MoCB	7.77e+06	1.00e+03	7.7e+03	2.66e+06	9.84e+03	2.7e+02
28	13C-4-MoCB	5.57e+06	1.00e+03	5.6e+03	1.81e+06	9.84e+03	1.8e+02
29	13C-22'-DiCB	4.41e+06	1.24e+03	3.5e+03	2.89e+06	1.28e+03	2.3e+03
30	13C-44'-DiCB	3.08e+06	2.36e+03	1.3e+03	2.00e+06	1.16e+03	1.7e+03
31	13C-22'6'-TrCB	2.84e+06	1.25e+04	2.3e+02	2.82e+06	9.99e+03	2.8e+02
32	13C-344'-TrCB	2.12e+06	1.09e+04	1.9e+02	2.02e+06	1.13e+04	1.8e+02
33	13C-22'66'-TeCB	3.14e+06	1.70e+03	1.8e+03	3.99e+06	7.16e+02	5.6e+03
34	13C-344'5-TeCB	1.66e+06	1.38e+03	1.2e+03	2.12e+06	1.17e+03	1.8e+03
35	13C-33'44'-TeCB	1.49e+06	1.38e+03	1.1e+03	1.97e+06	1.17e+03	1.7e+03
36	13C-22'466'-PeCB	4.15e+06	7.32e+02	5.7e+03	2.70e+06	8.00e+02	3.4e+03
37	13C-2'344'5-PeCB	2.32e+06	4.78e+03	4.9e+02	1.52e+06	4.28e+03	3.6e+02
38	13C-23'44'5-PeCB	2.36e+06	4.78e+03	4.9e+02	1.54e+06	4.28e+03	3.6e+02
39	13C-2344'5-PeCB	2.24e+06	4.78e+03	4.7e+02	1.49e+06	4.28e+03	3.5e+02
40	13C-233'44'-PeCB	2.12e+06	4.78e+03	4.4e+02	1.34e+06	4.28e+03	3.1e+02
41	13C-33'44'5-PeCB	1.75e+06	4.78e+03	3.6e+02	1.11e+06	4.28e+03	2.6e+02
42	13C-22'44'66'-HxCB	4.29e+06	1.10e+03	3.9e+03	3.37e+06	1.37e+03	2.5e+03
43	13C-23'44'55'-HxCB	1.84e+06	9.45e+03	1.9e+02	1.46e+06	2.50e+03	5.8e+02
44	13C-233'44'5'-HxCB	2.58e+06	9.45e+03	2.7e+02	2.08e+06	2.50e+03	8.3e+02
45	13C-33'44'55'-HxCB	1.27e+06	9.45e+03	1.3e+02	1.03e+06	2.50e+03	4.1e+02
46	13C-22'34'566'-HpCB	3.26e+06	1.03e+03	3.2e+03	3.11e+06	1.00e+03	3.1e+03
47	13C-233'44'55'-HpCB	1.52e+06	9.60e+02	1.6e+03	1.45e+06	1.09e+03	1.3e+03
48	13C-22'33'55'66'-OcCB	2.24e+06	1.41e+03	1.6e+03	2.55e+06	1.09e+03	2.3e+03
49	13C-233'44'55'6-OcCB	1.64e+06	1.41e+03	1.2e+03	1.84e+06	1.09e+03	1.7e+03
50	13C-22'33'4'55'66'-NoCB	1.67e+06	8.40e+02	2.0e+03	2.06e+06	9.64e+02	2.1e+03
51	13C-22'33'44'55'6-NoCB	8.47e+05	1.01e+03	8.4e+02	1.12e+06	1.19e+03	9.5e+02
52	13C-DeCB	1.63e+06	1.27e+03	1.3e+03	1.38e+06	1.10e+03	1.3e+03

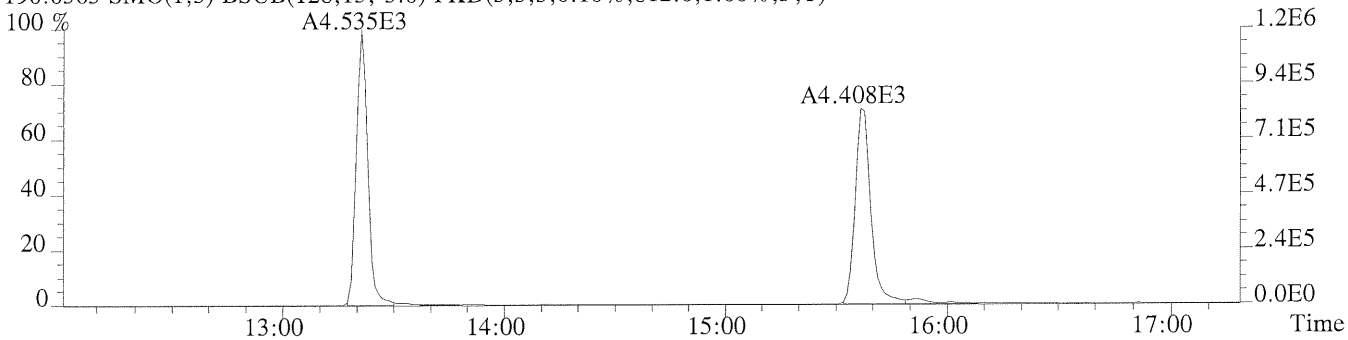
13C-244'-TrCB	2.60e+06	1.09e+04	2.4e+02	2.54e+06	1.13e+04	2.2e+02
13C-233'55'-PeCB	3.53e+06	2.68e+03	1.3e+03	2.25e+06	1.28e+03	1.8e+03
13C-22'33'55'6-HpCB	1.99e+06	1.03e+03	1.9e+03	1.90e+06	1.00e+03	1.9e+03
13C-2,5-DiCB	4.06e+06	2.36e+03	1.7e+03	2.66e+06	1.16e+03	2.3e+03
13C-22'55'-TeCB	2.18e+06	1.52e+03	1.4e+03	2.82e+06	1.13e+03	2.5e+03
13C-22'4'55'-PeCB	2.92e+06	2.68e+03	1.1e+03	1.83e+06	1.28e+03	1.4e+03
13C-22'3'44'5'-HxCB	2.30e+06	1.02e+03	2.3e+03	1.81e+06	1.04e+03	1.7e+03
13C-22'33'44'55'-OcCB	1.16e+06	1.41e+03	8.2e+02	1.30e+06	1.09e+03	1.2e+03

File:U142155 #1-341 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

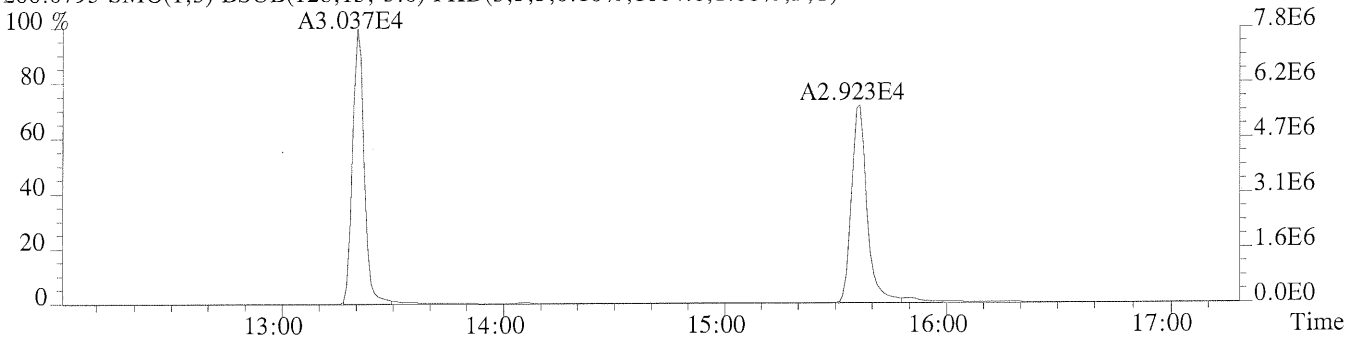
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)



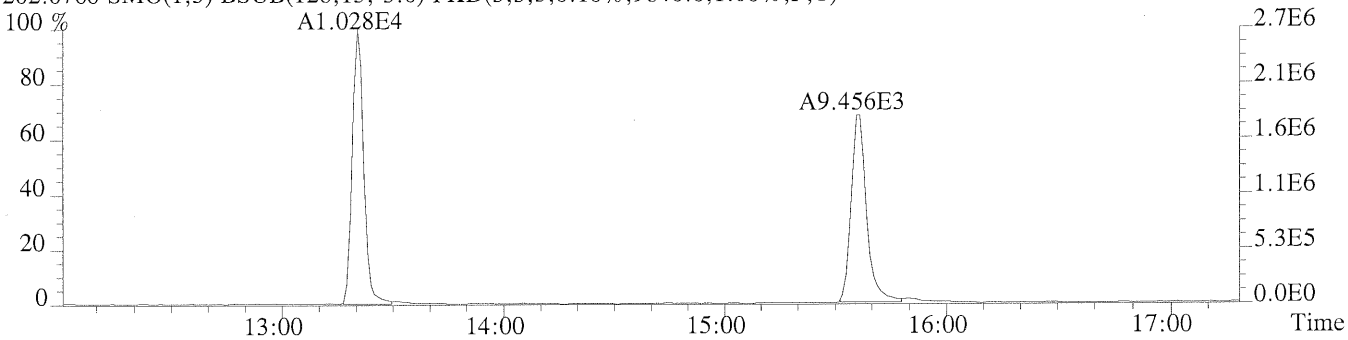
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)



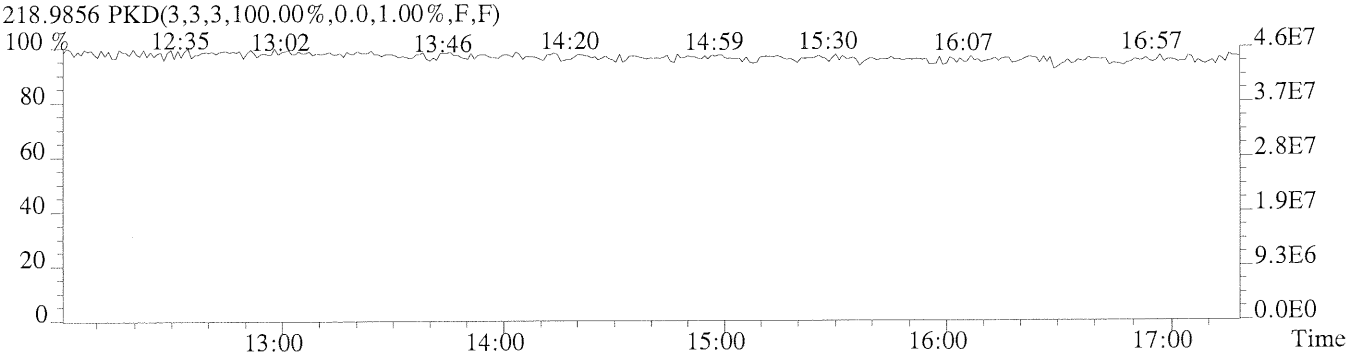
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9840.0,1.00%,F,T)

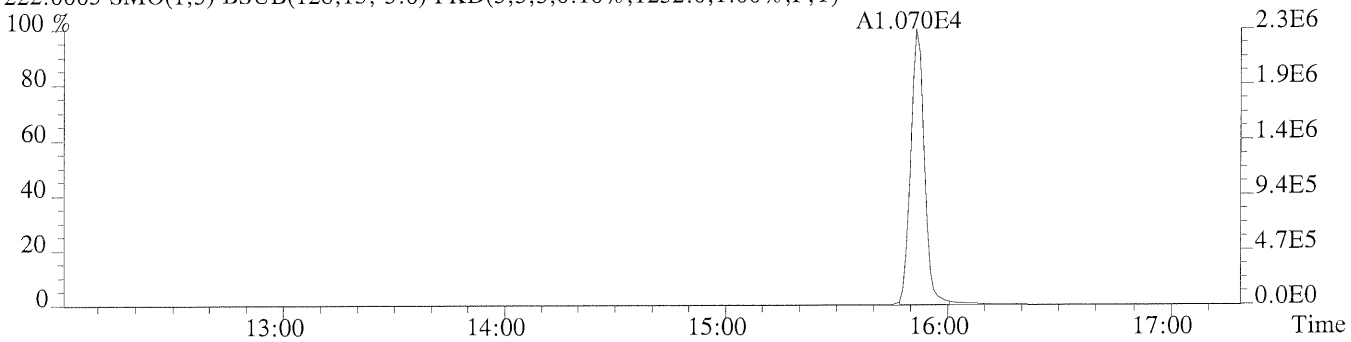


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

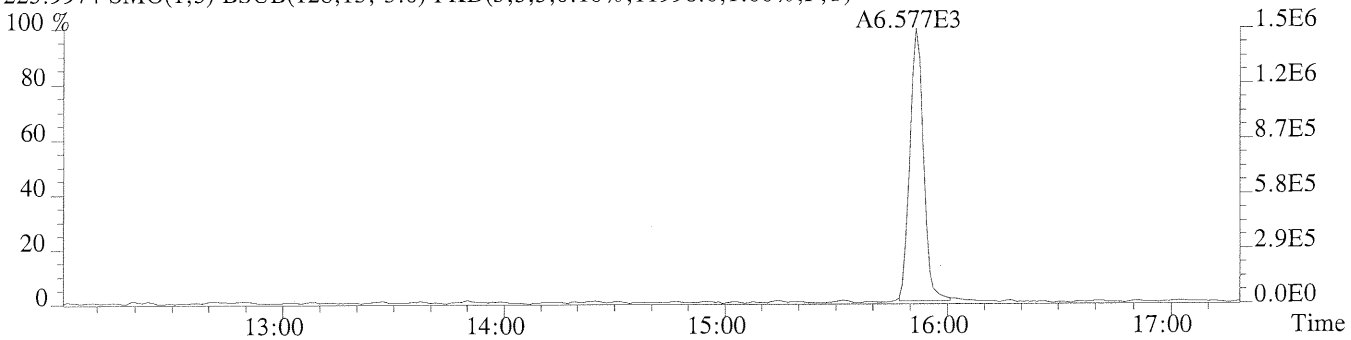


File:U142155 #1-341 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

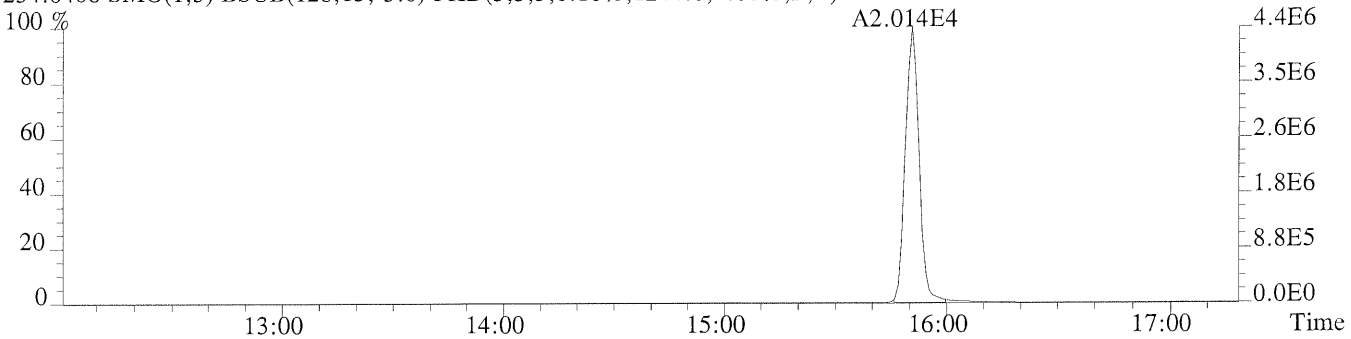
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1252.0,1.00%,F,T)



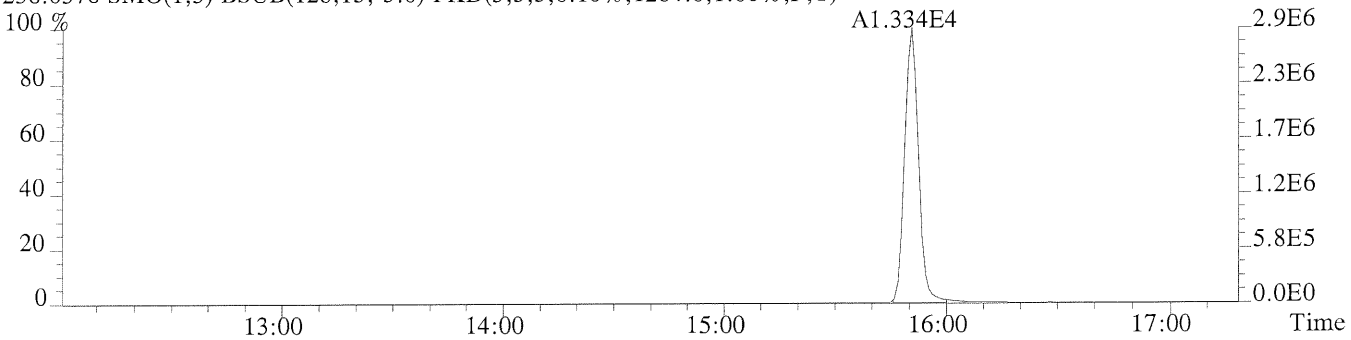
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11996.0,1.00%,F,T)



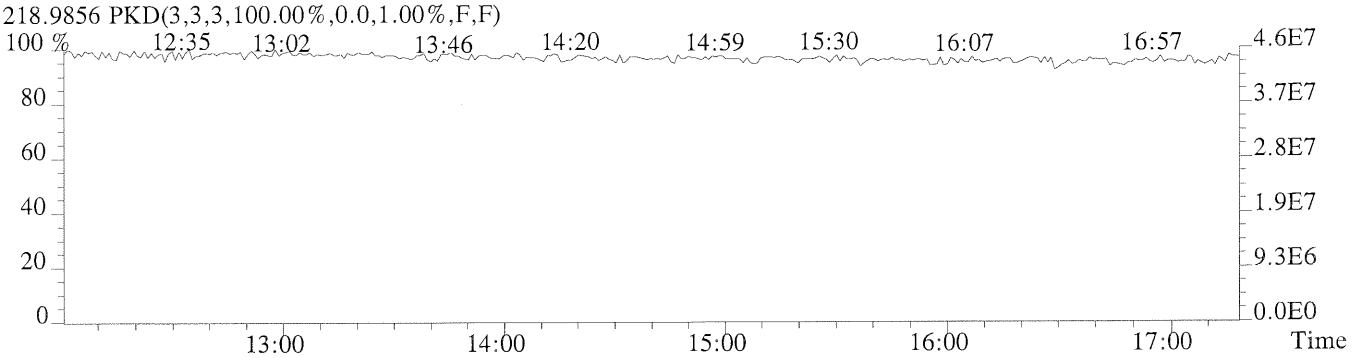
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1244.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1284.0,1.00%,F,T)

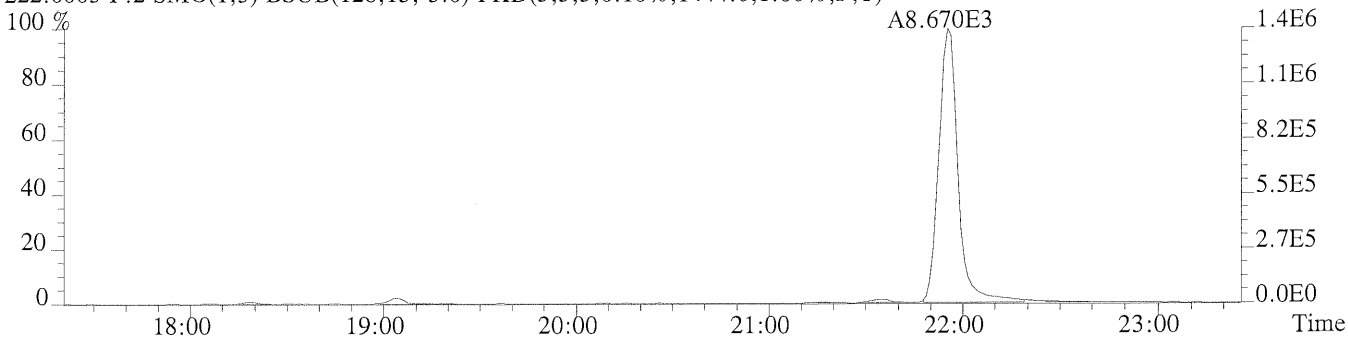


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

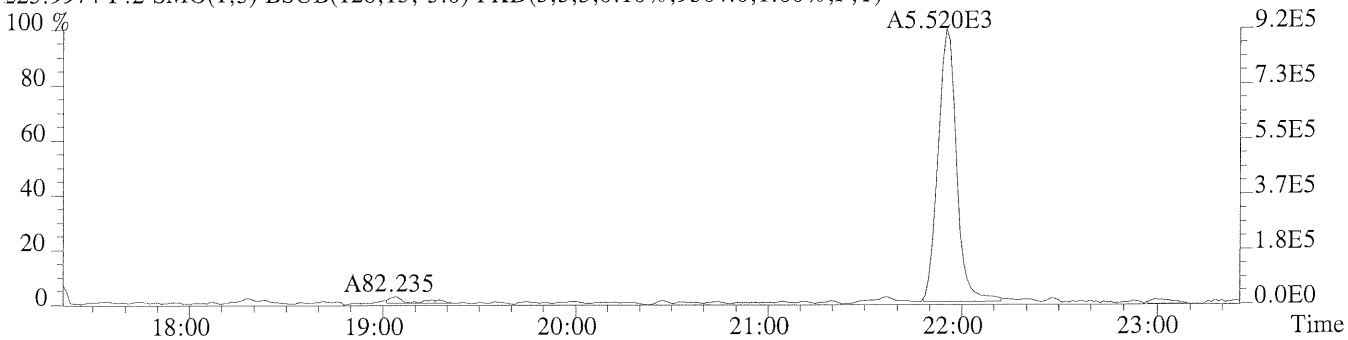


File:U142155 #1-336 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

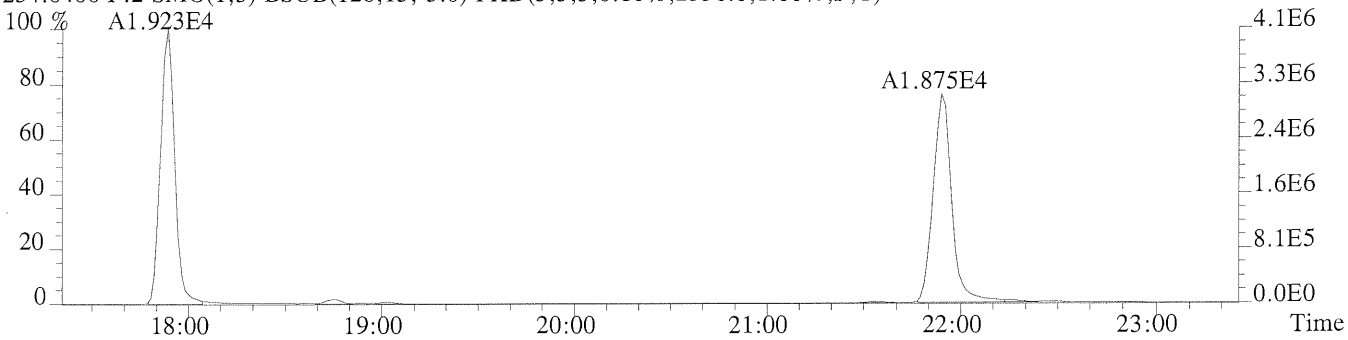
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1444.0,1.00%,F,T)



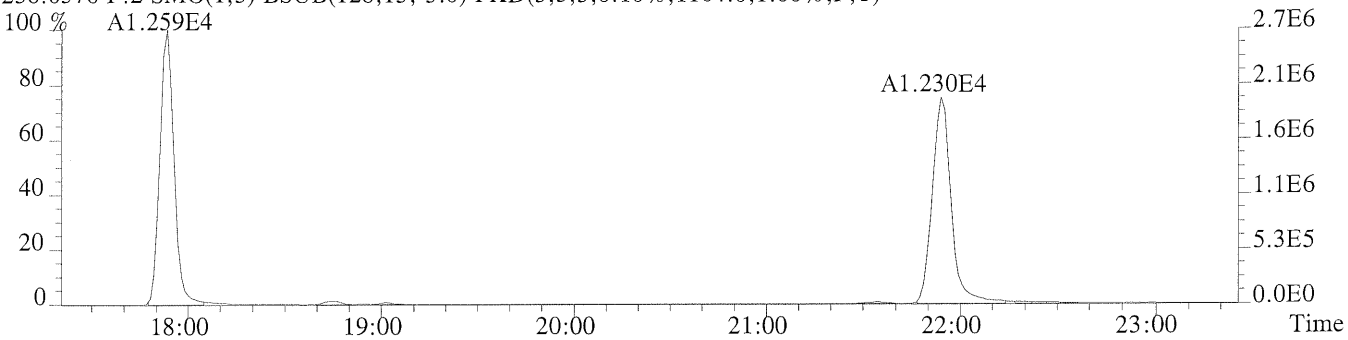
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9564.0,1.00%,F,T)



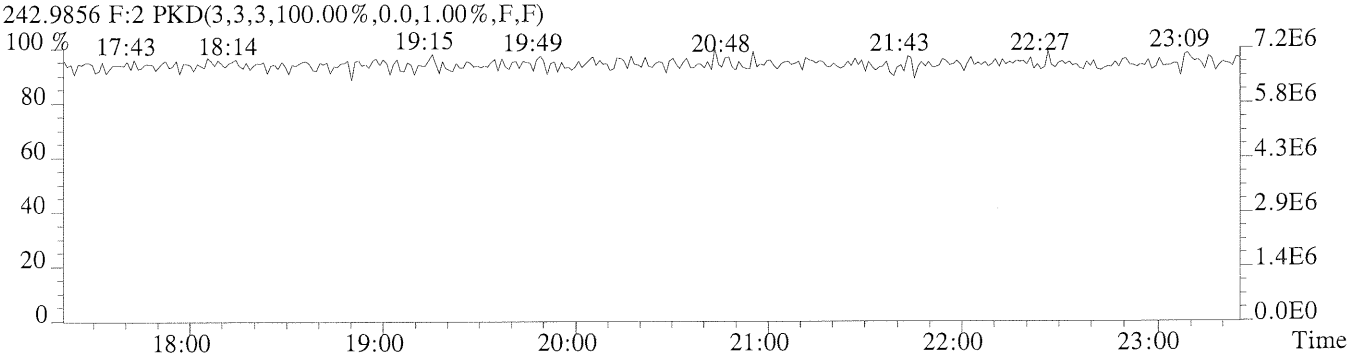
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2356.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1164.0,1.00%,F,T)

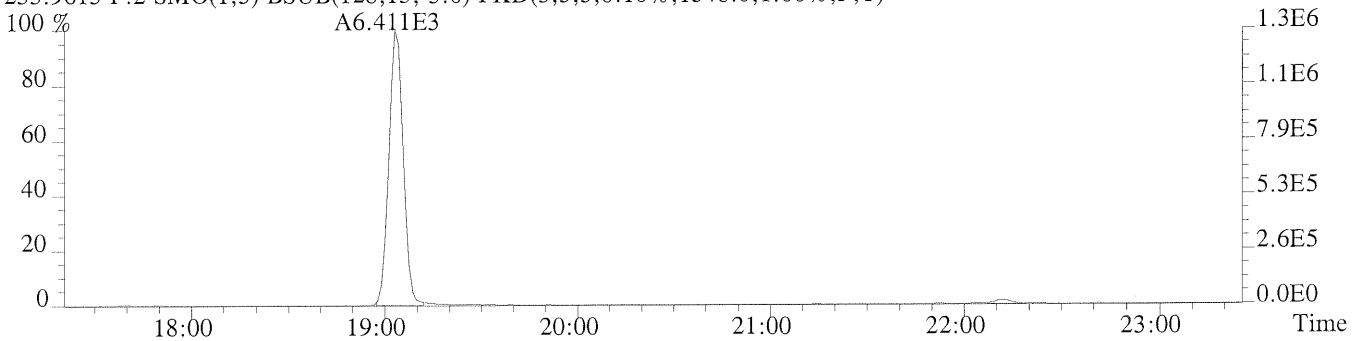


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

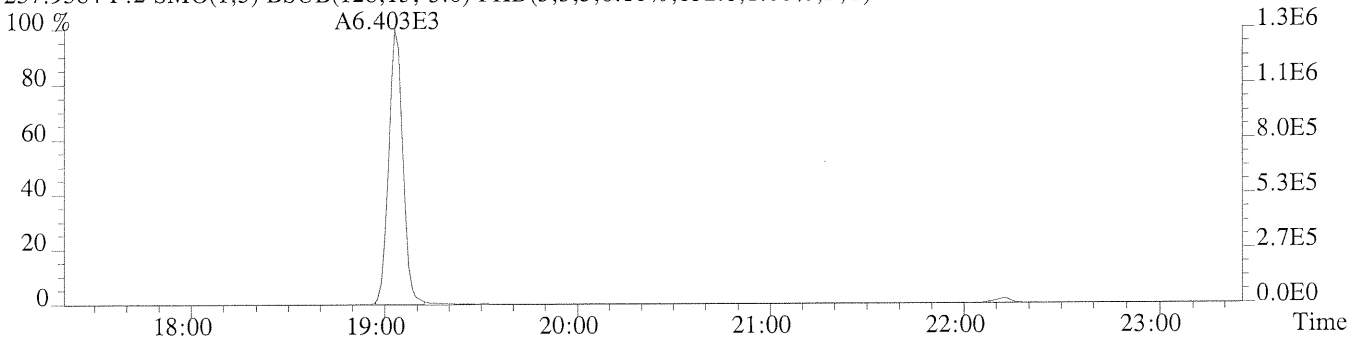


File:U142155 #1-336 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

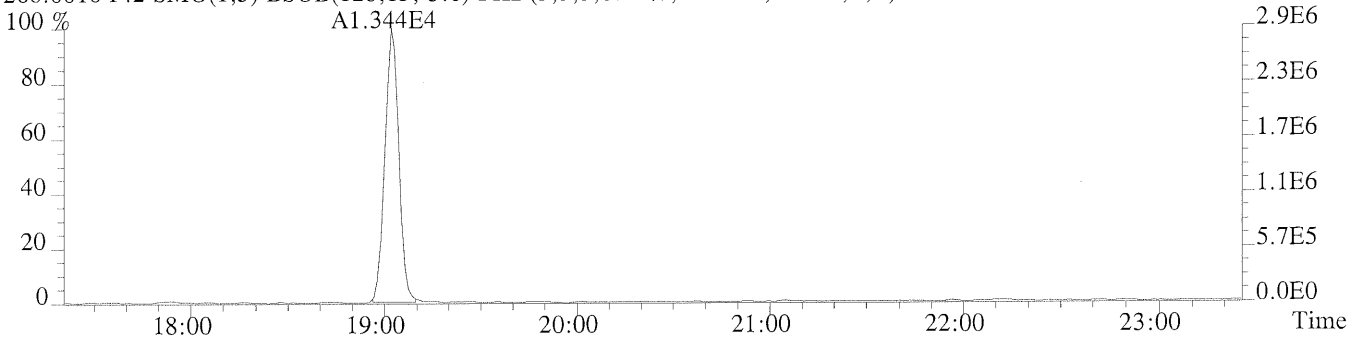
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1348.0,1.00%,F,T)



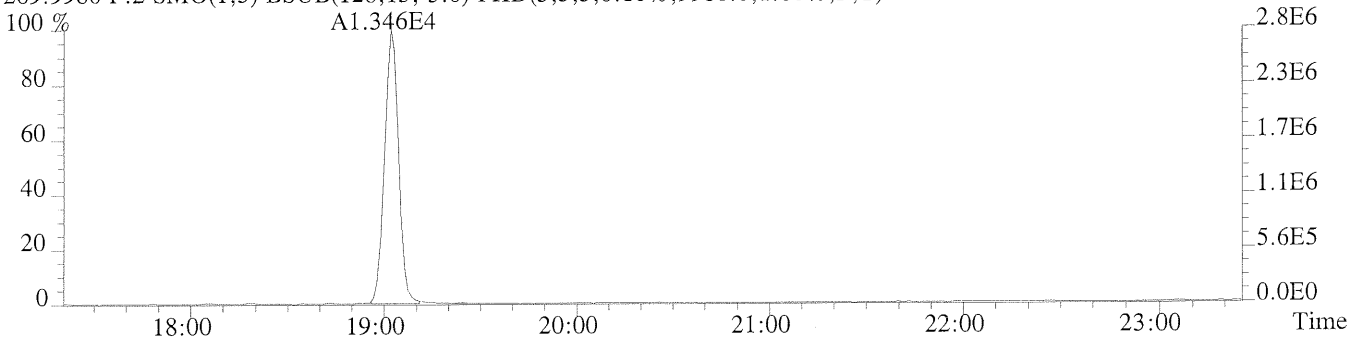
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,832.0,1.00%,F,T)



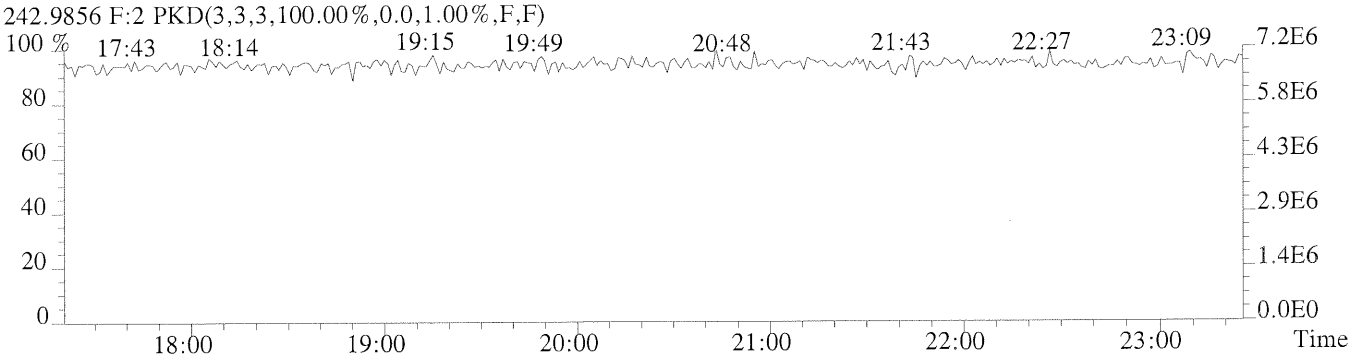
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12544.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9988.0,1.00%,F,T)

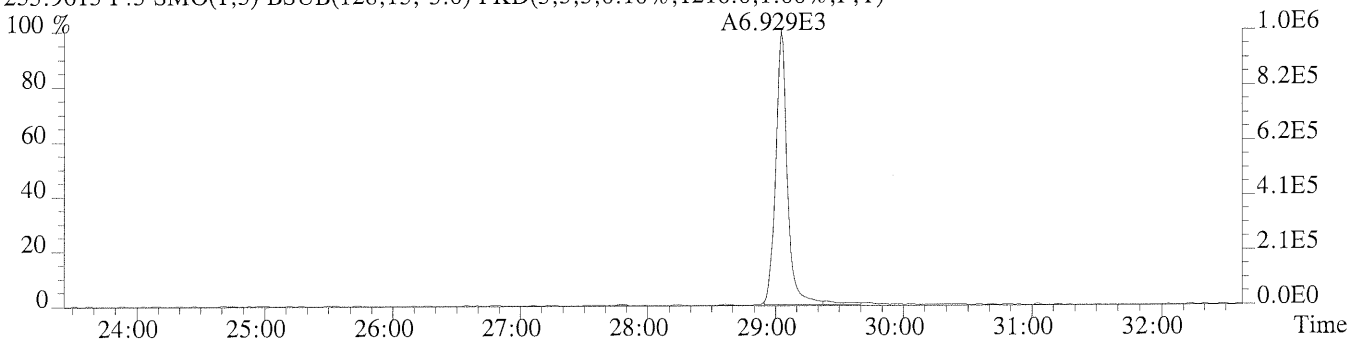


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

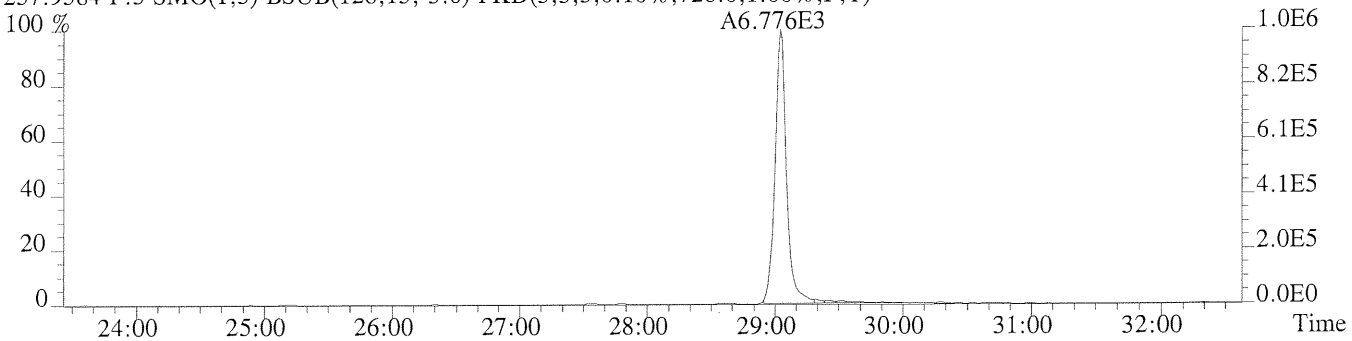


File:U142155 #1-588 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

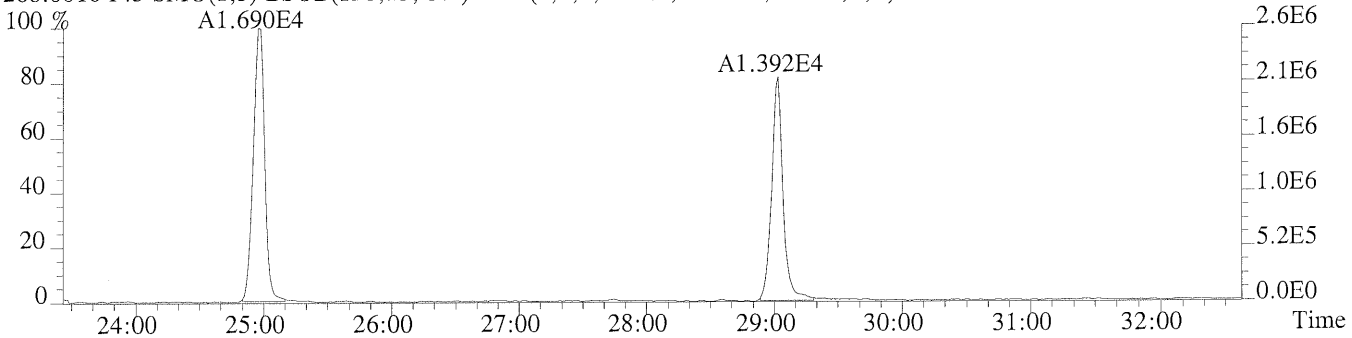
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1216.0,1.00%,F,T)



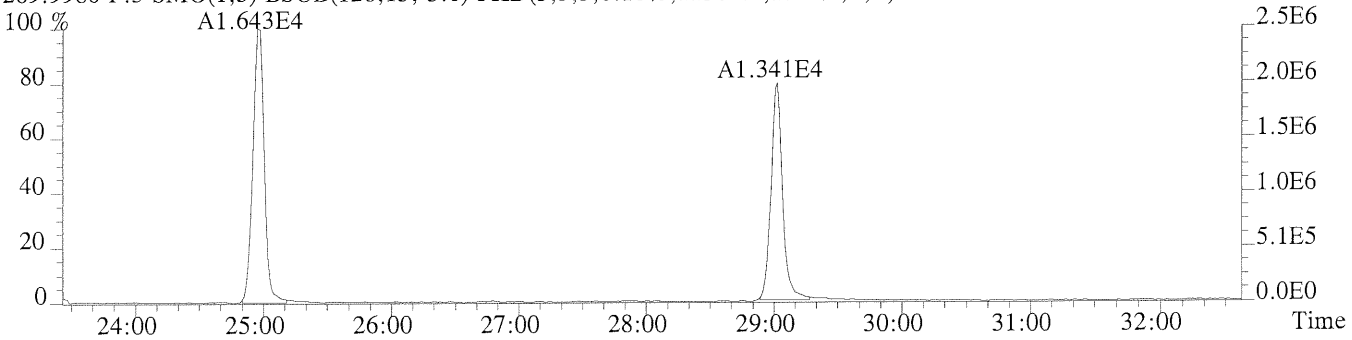
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,728.0,1.00%,F,T)



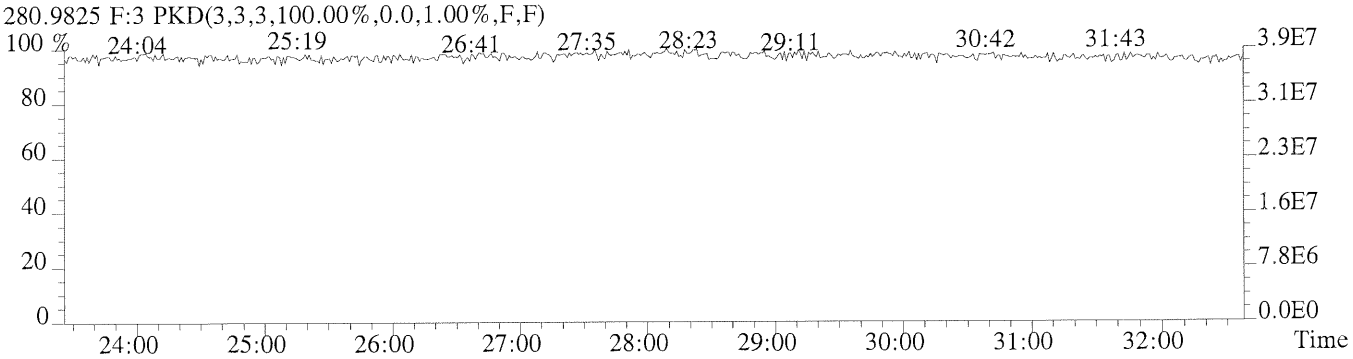
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10868.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11300.0,1.00%,F,T)

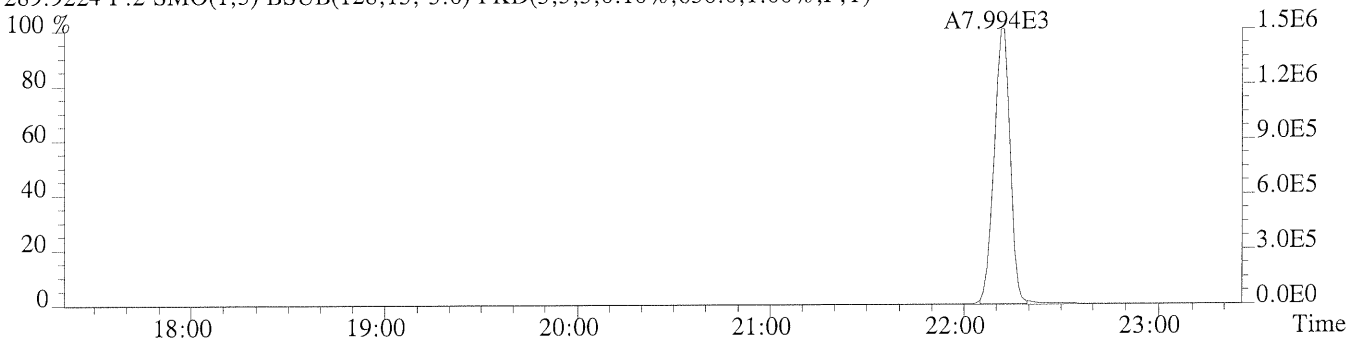


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

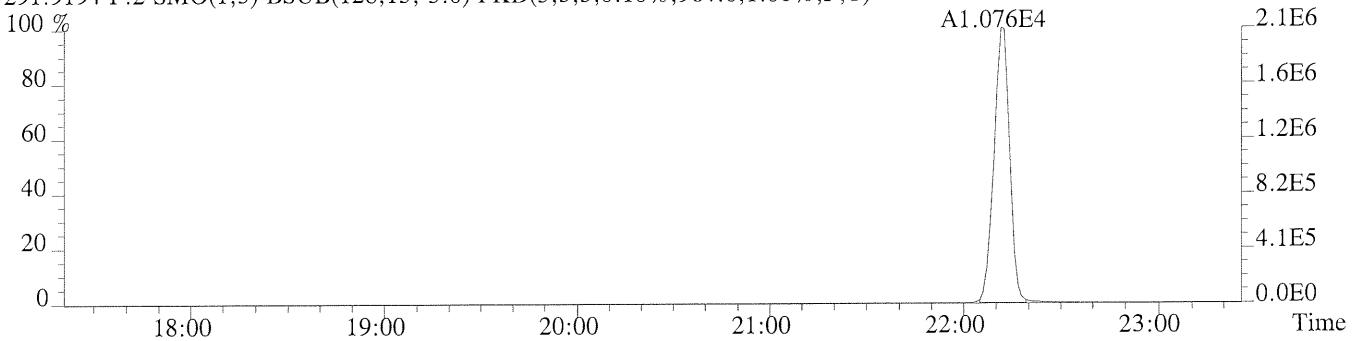


File:U142155 #1-336 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

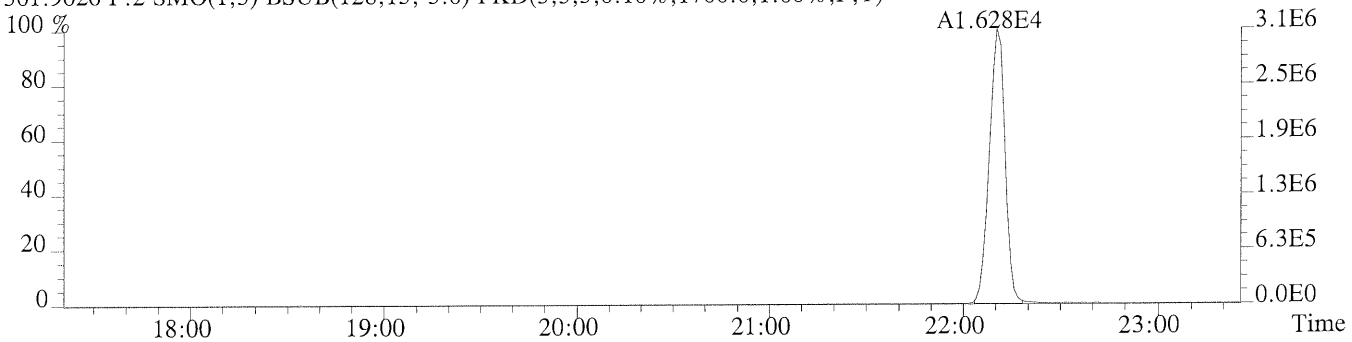
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,636.0,1.00%,F,T)



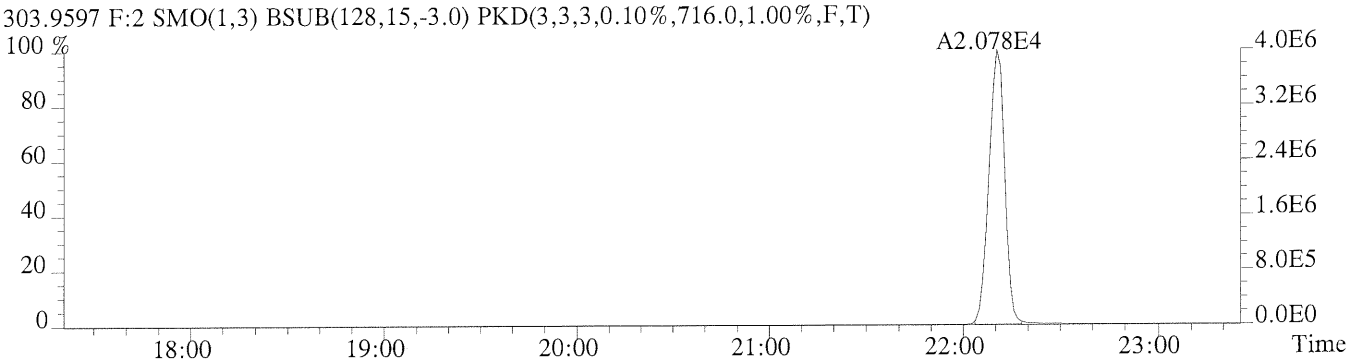
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



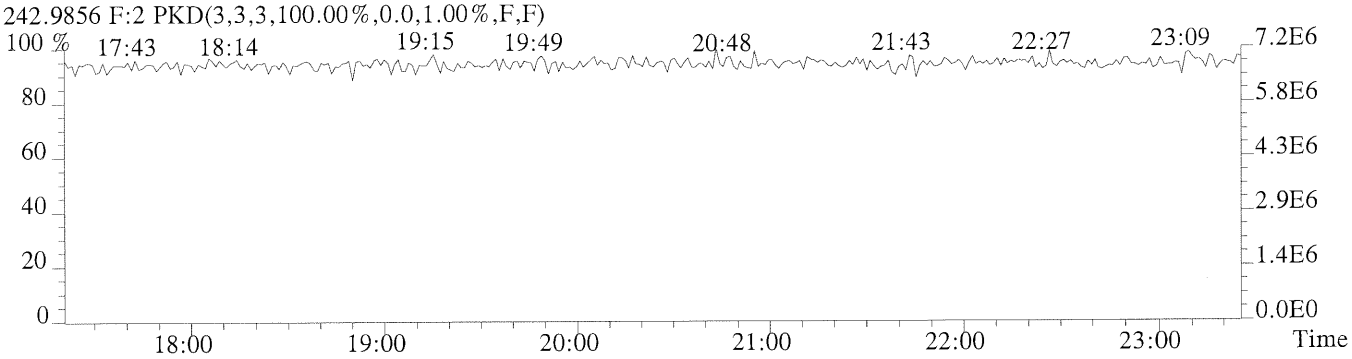
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1700.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)

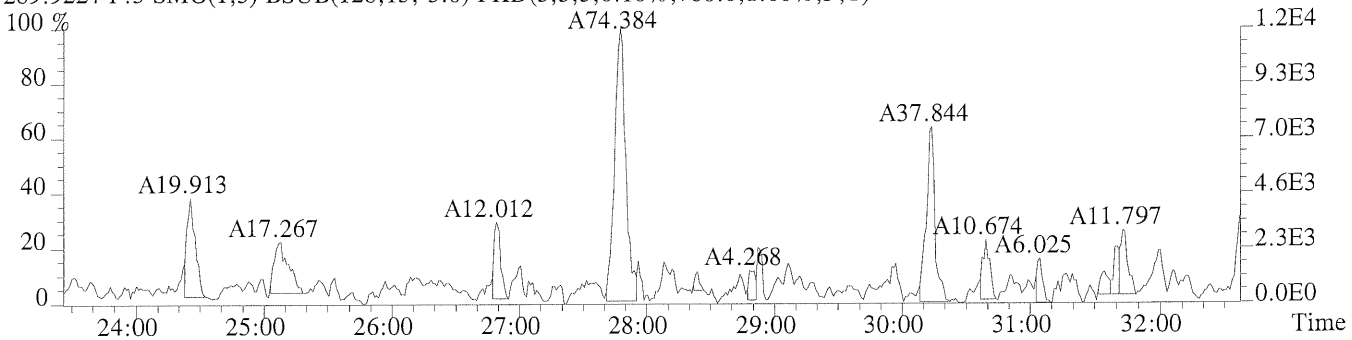


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

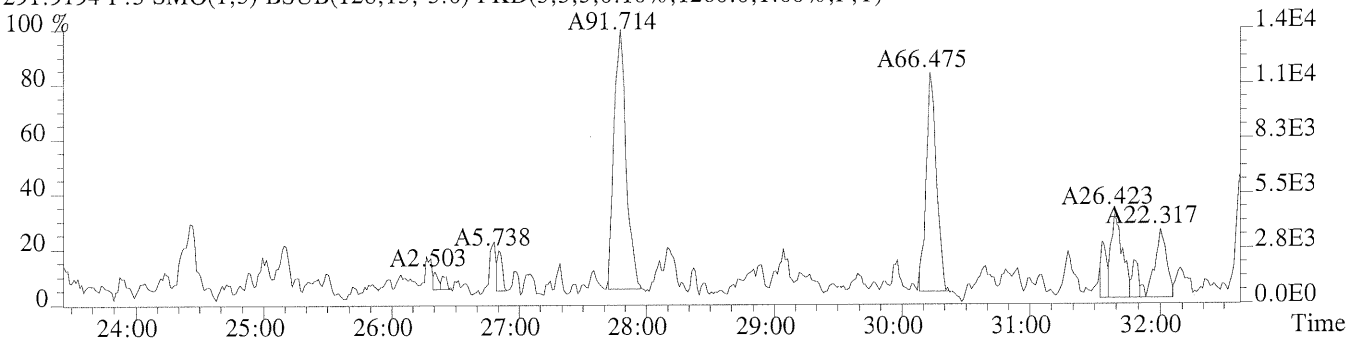


File:U142155 #1-588 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

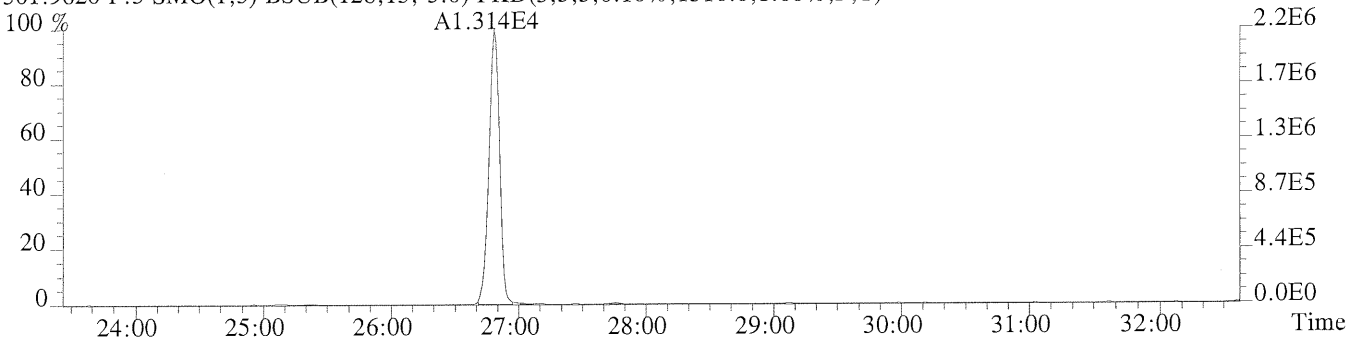
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



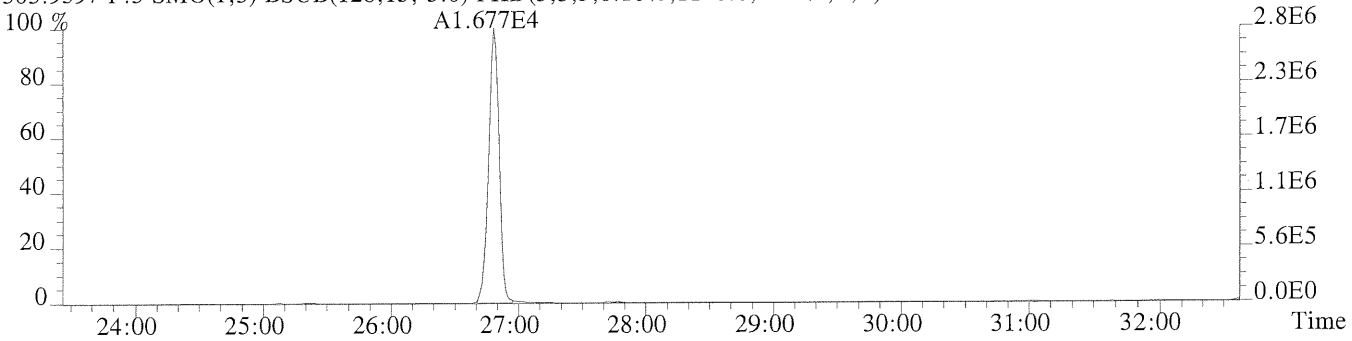
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1260.0,1.00%,F,T)



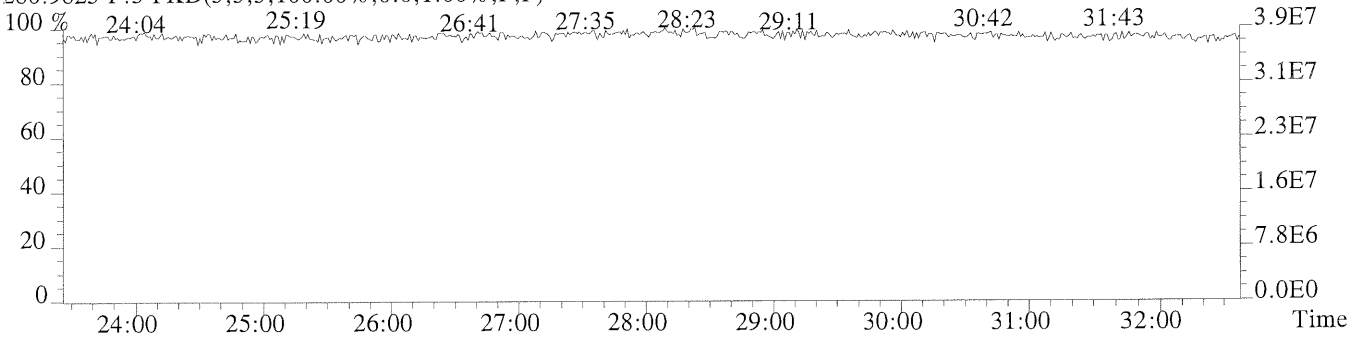
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1516.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1128.0,1.00%,F,T)

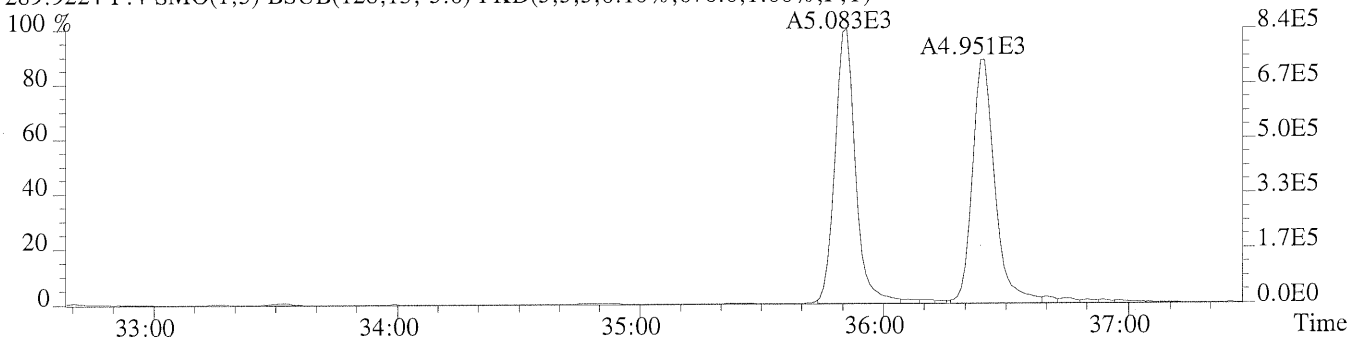


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

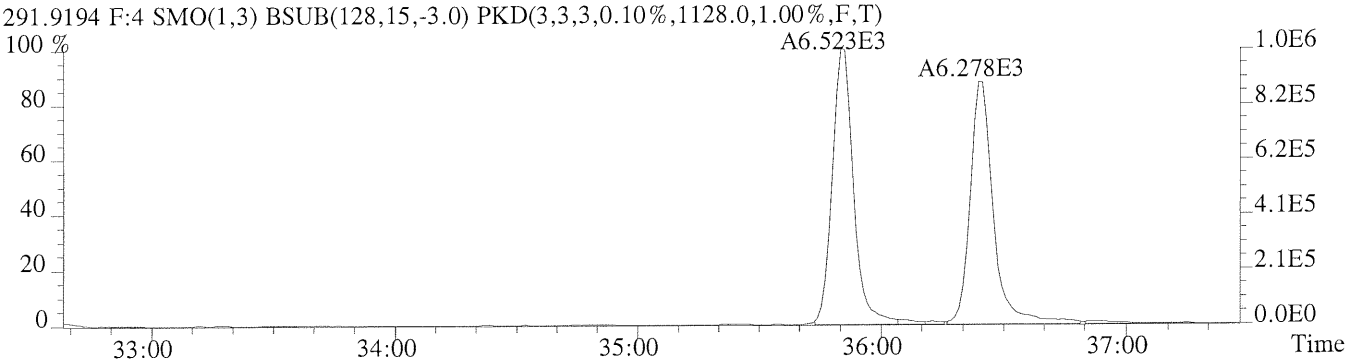


File:U142155 #1-309 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

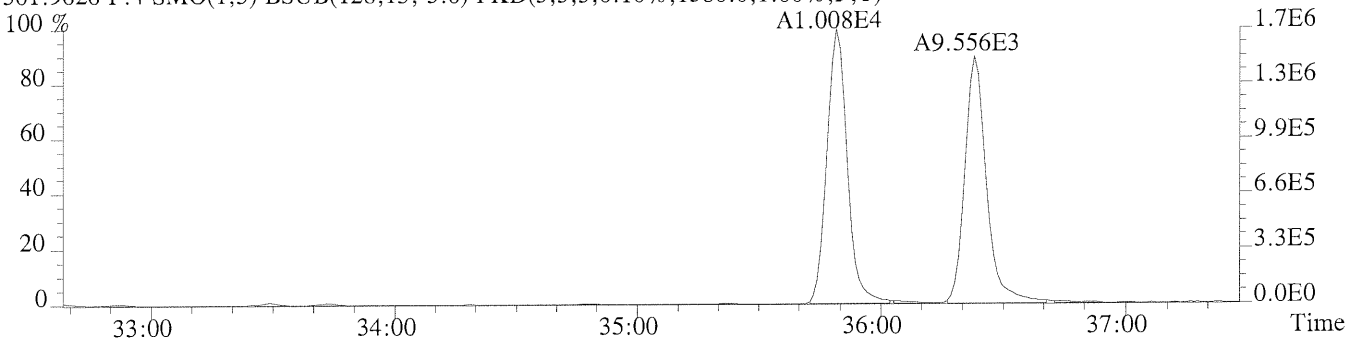
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,676.0,1.00%,F,T)



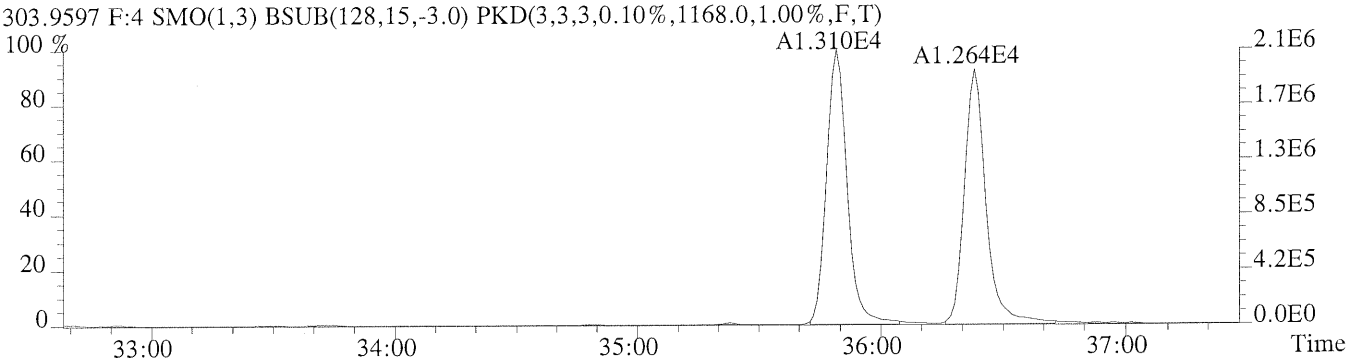
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1128.0,1.00%,F,T)



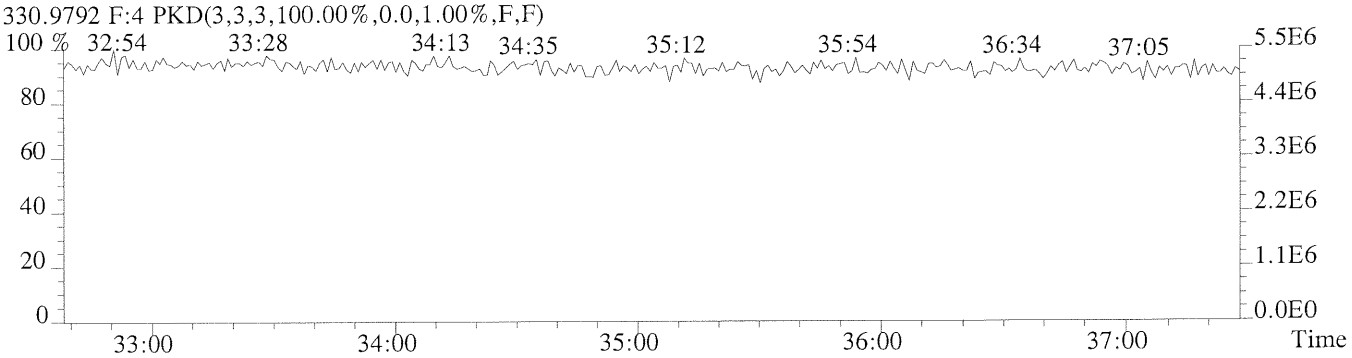
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1380.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1168.0,1.00%,F,T)

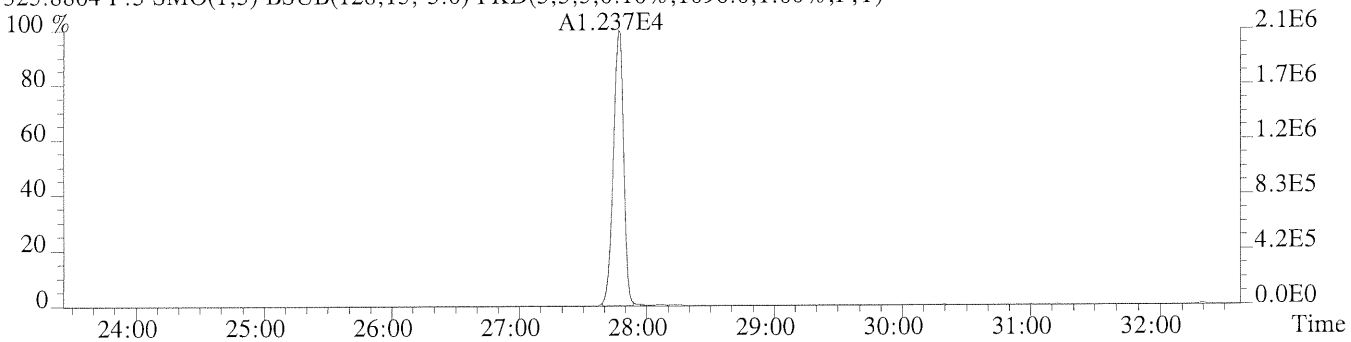


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

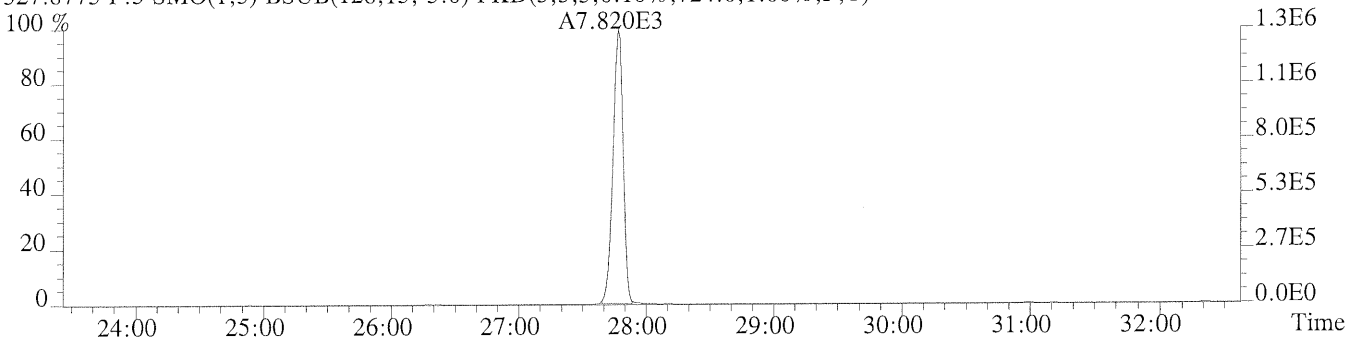


File:U142155 #1-588 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

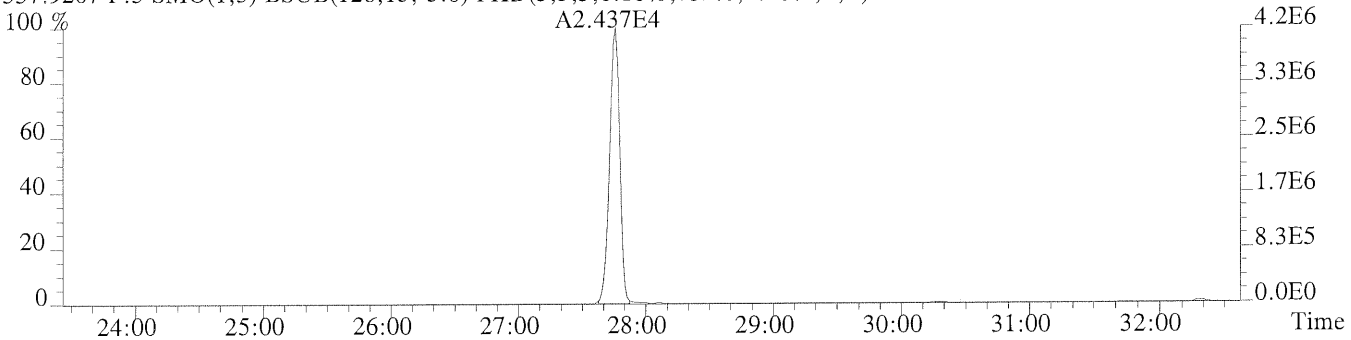
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)



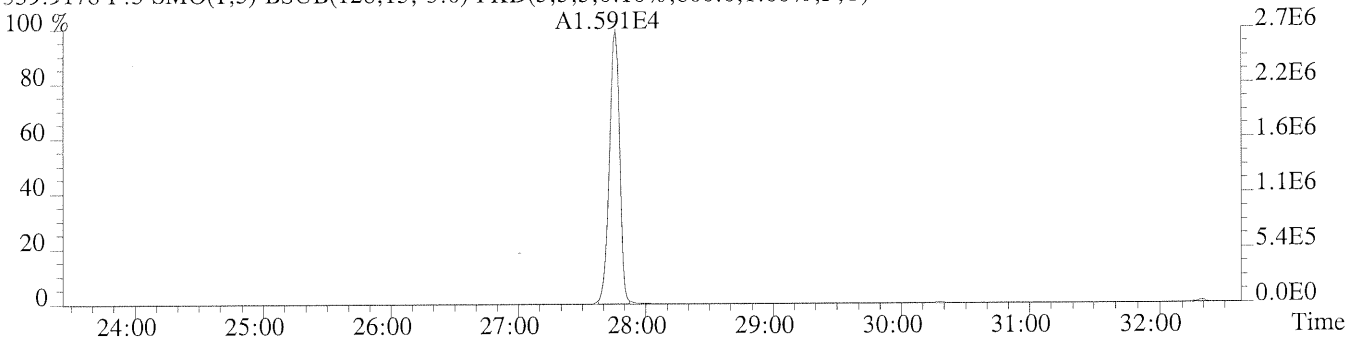
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)



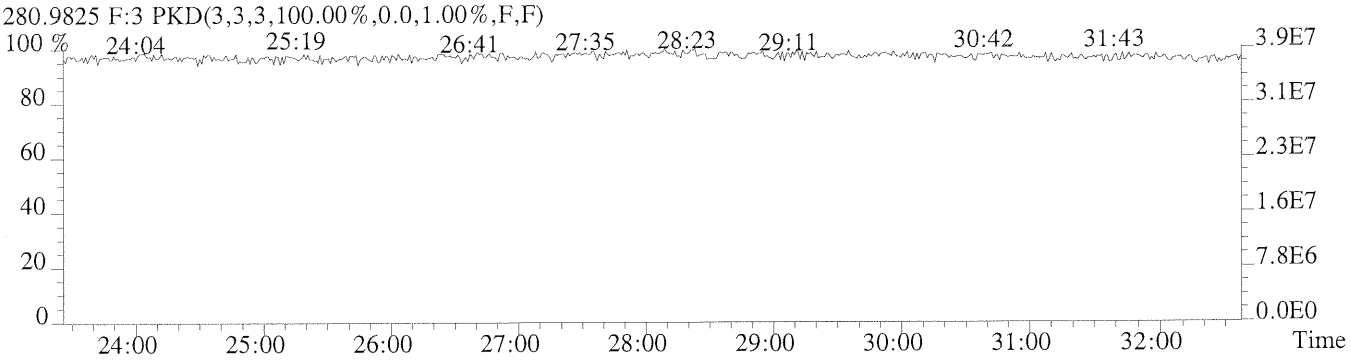
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,732.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,800.0,1.00%,F,T)

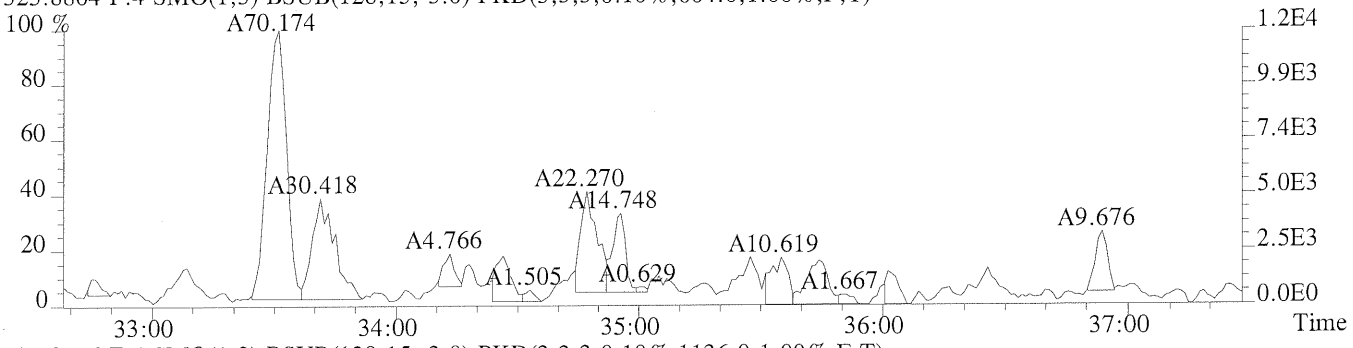


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

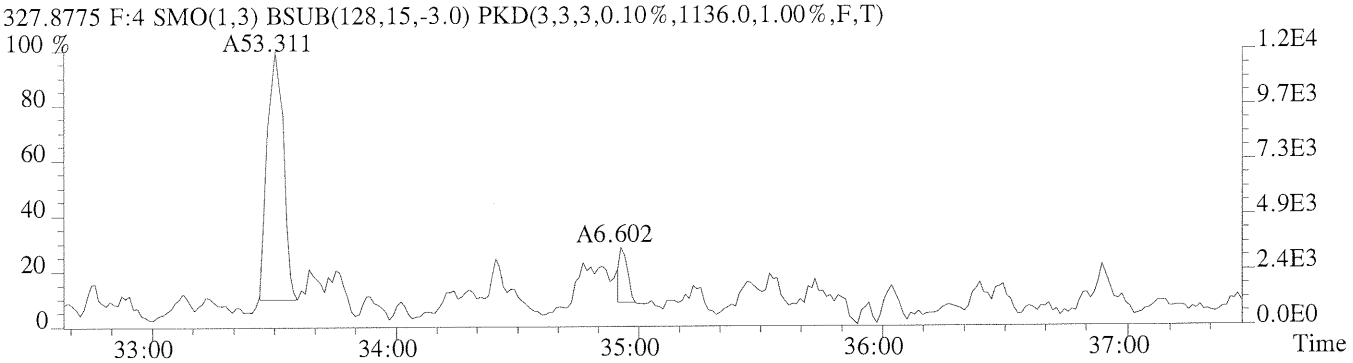


File:U142155 #1-309 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

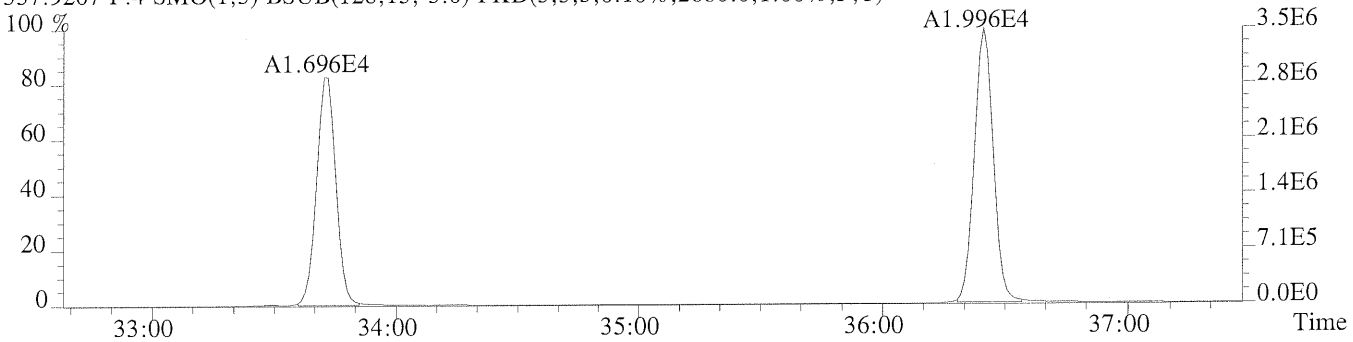
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,604.0,1.00%,F,T)



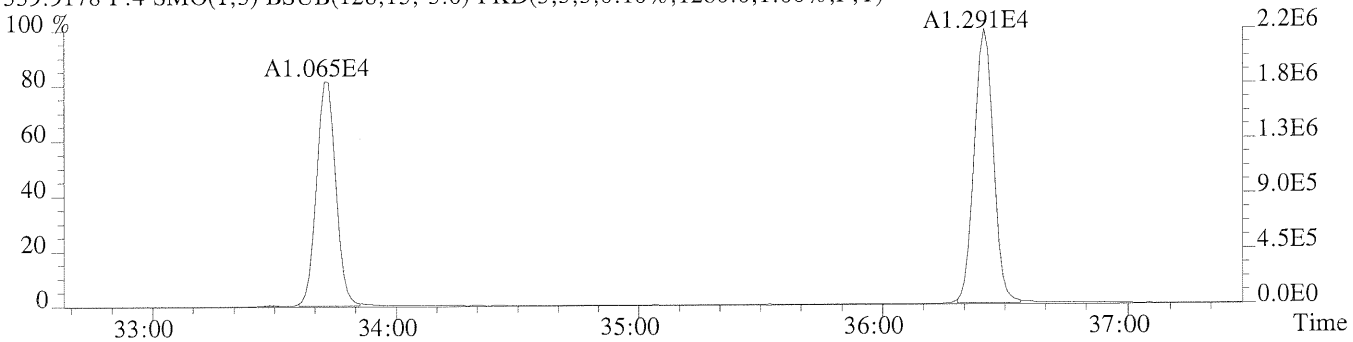
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1136.0,1.00%,F,T)



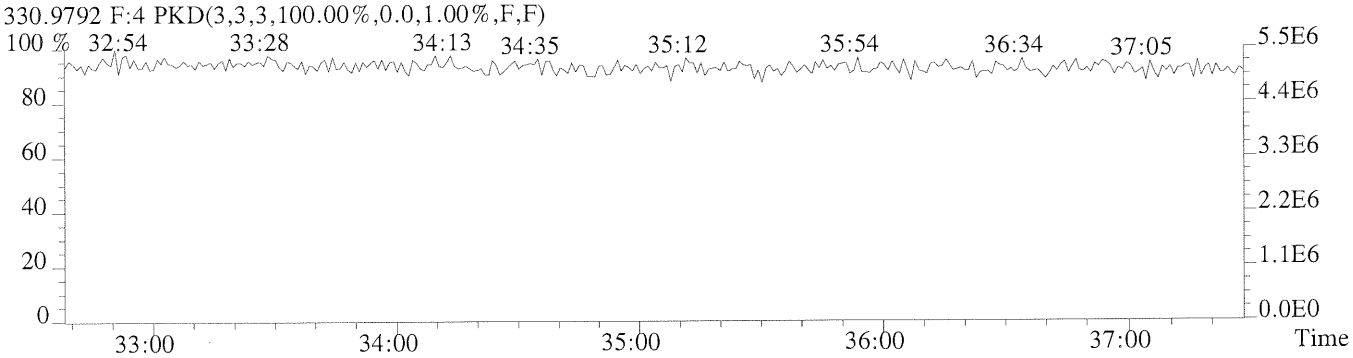
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2680.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1280.0,1.00%,F,T)

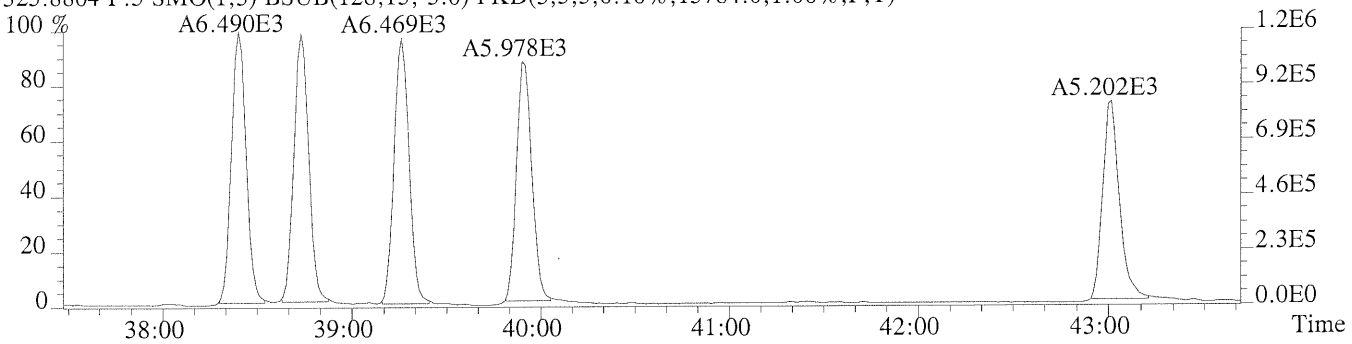


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

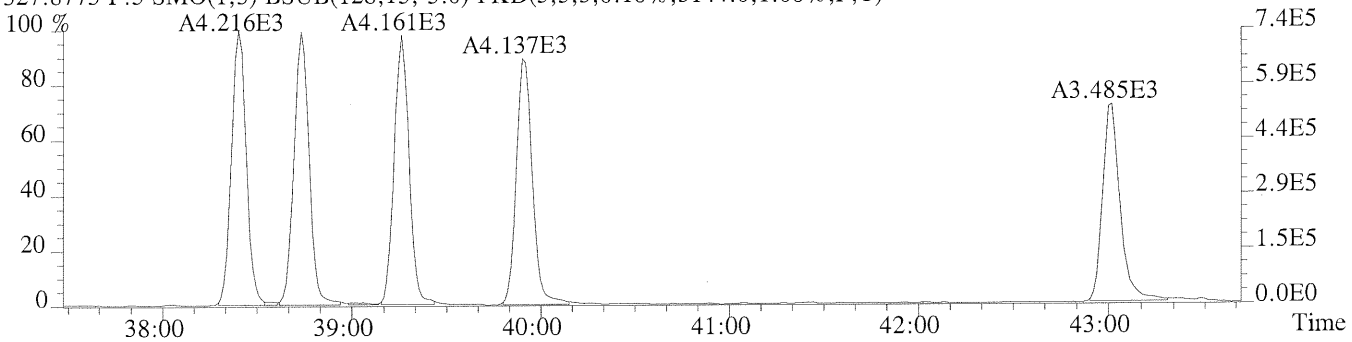


File:U142155 #1-398 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

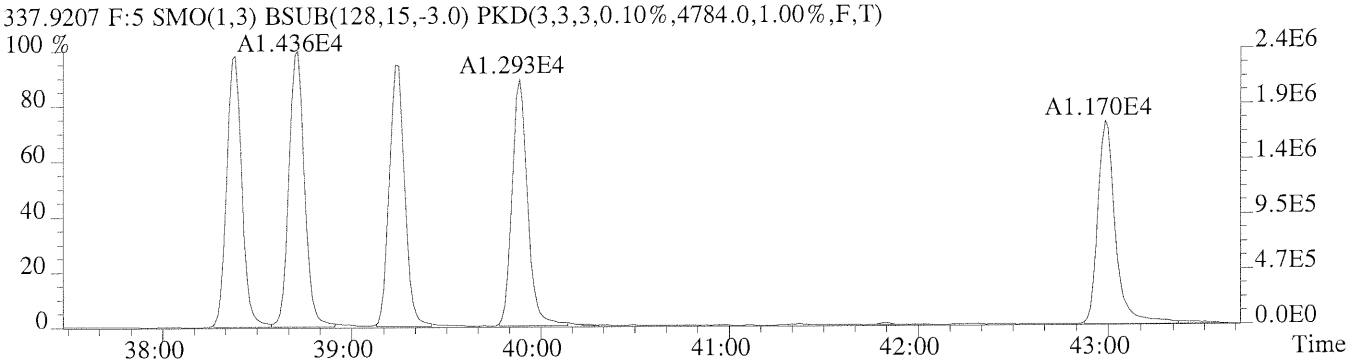
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,15784.0,1.00%,F,T)



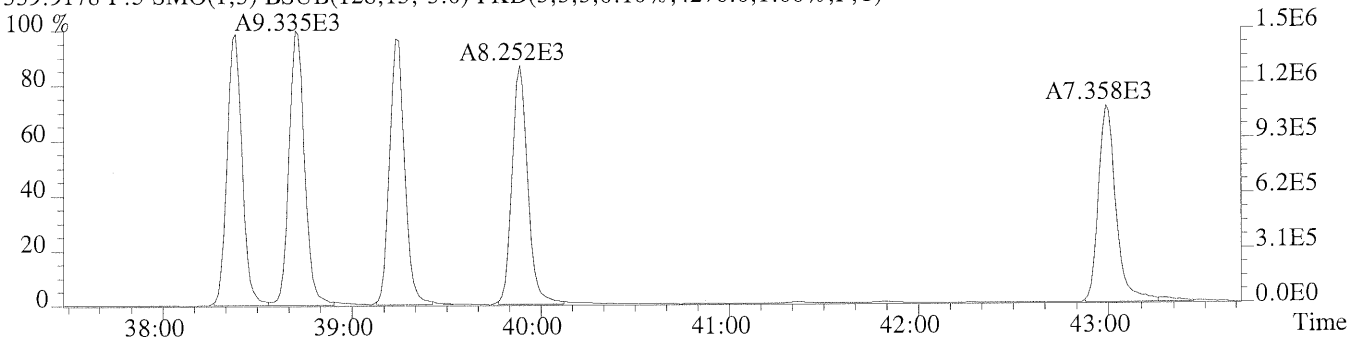
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3144.0,1.00%,F,T)



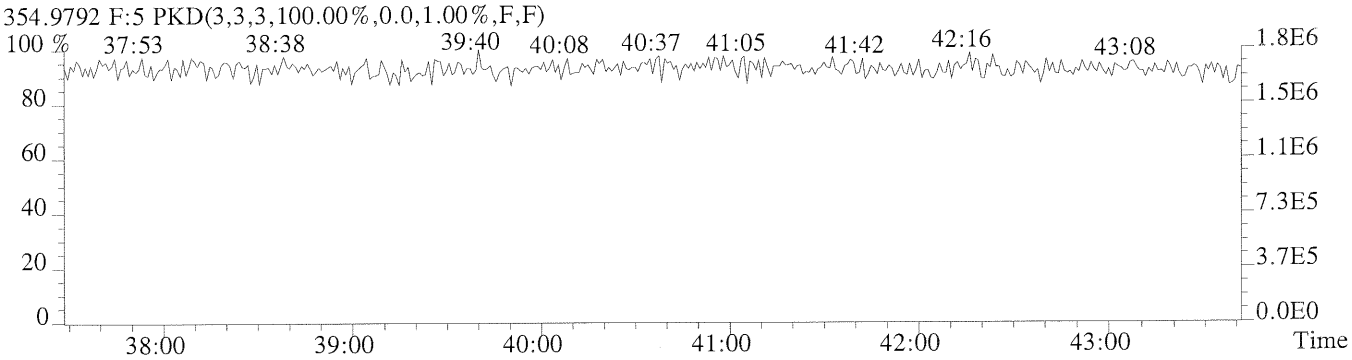
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4784.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4276.0,1.00%,F,T)

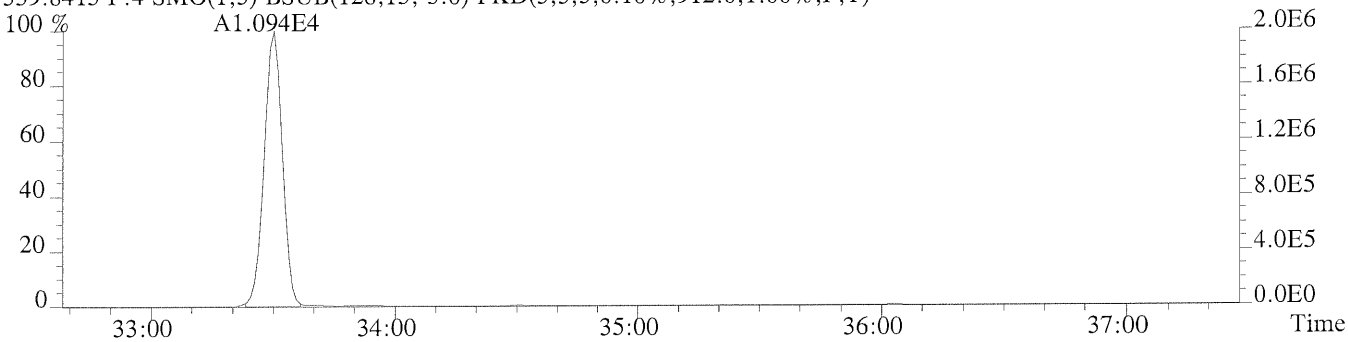


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

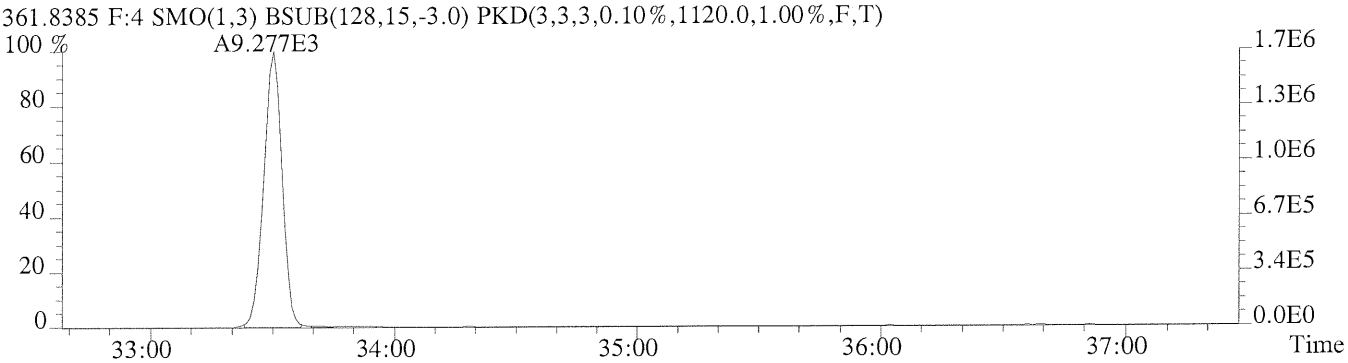


File:U142155 #1-309 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

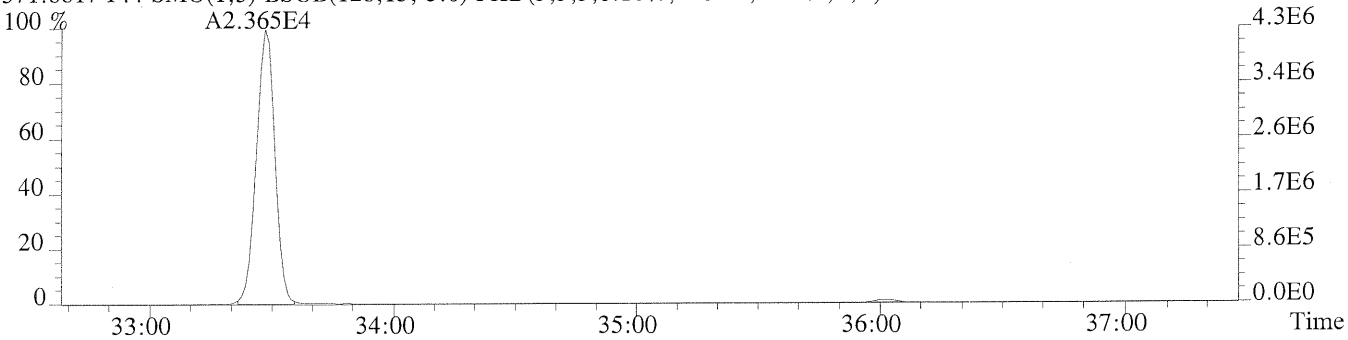
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



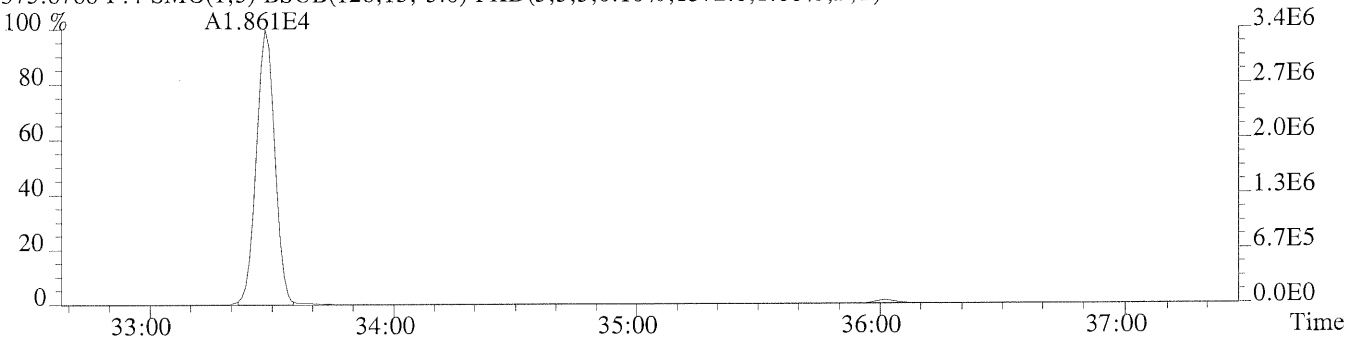
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1120.0,1.00%,F,T)



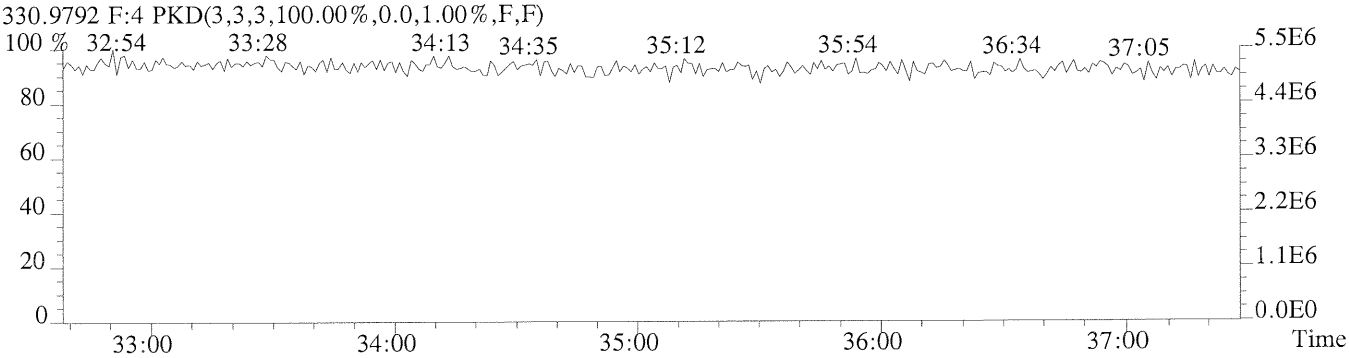
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1104.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1372.0,1.00%,F,T)

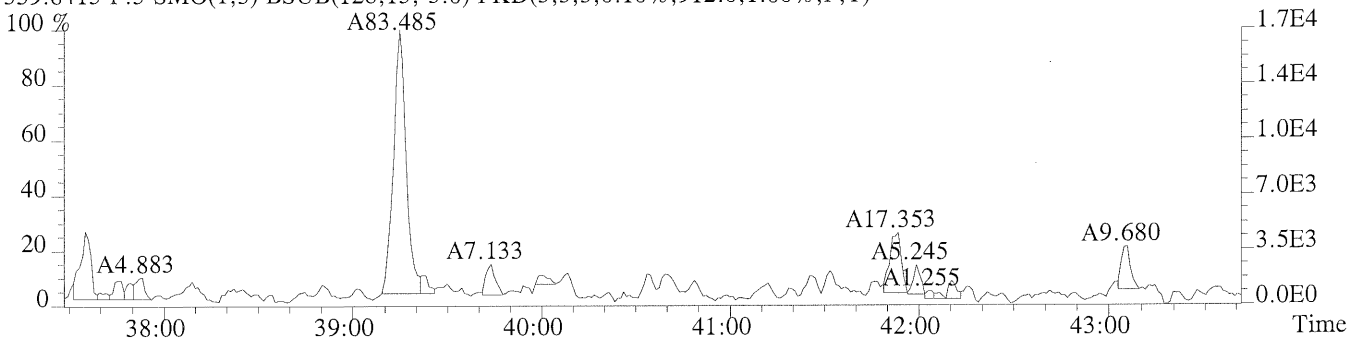


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

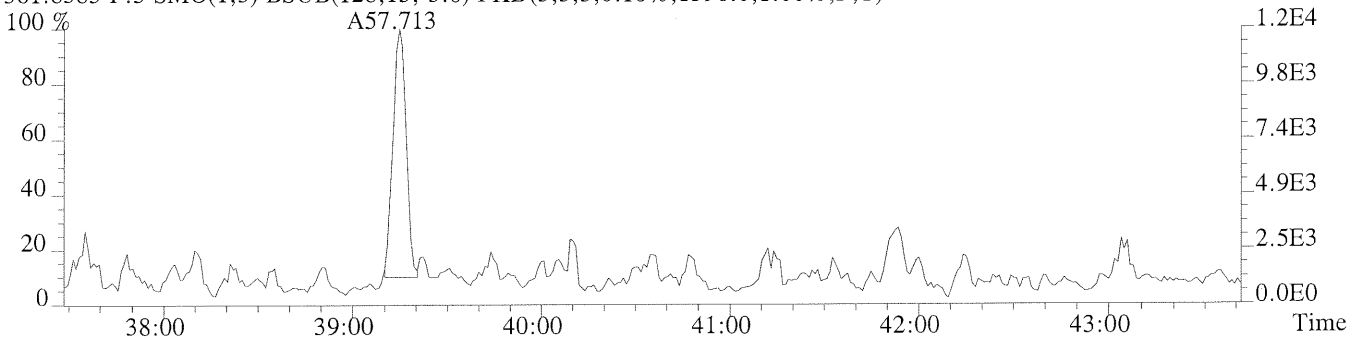


File:U142155 #1-398 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

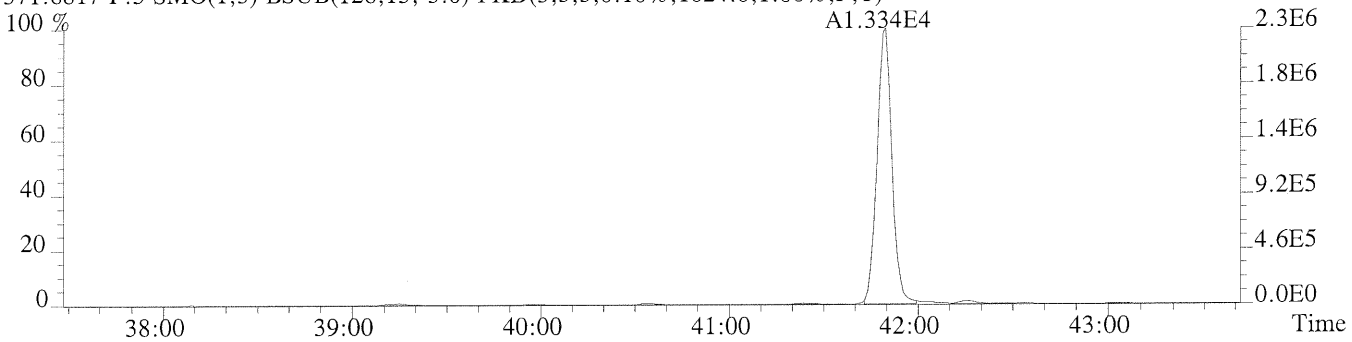
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



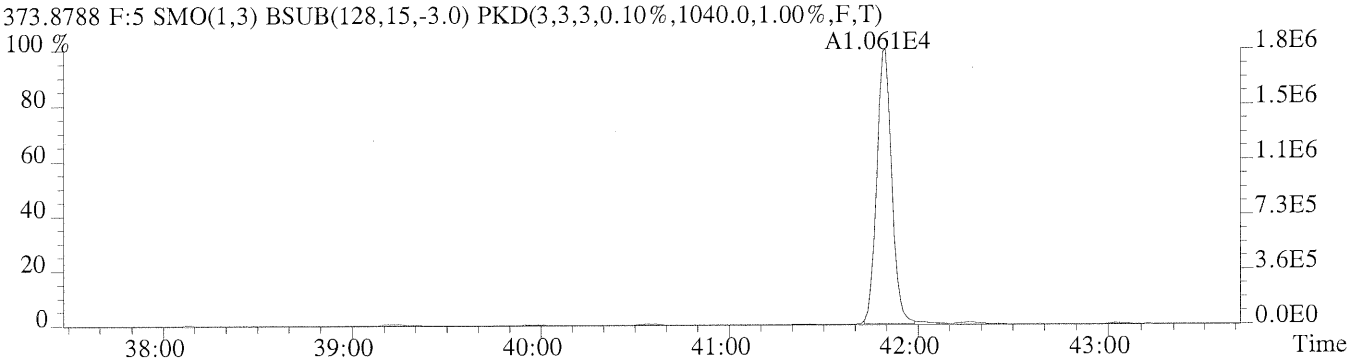
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1396.0,1.00%,F,T)



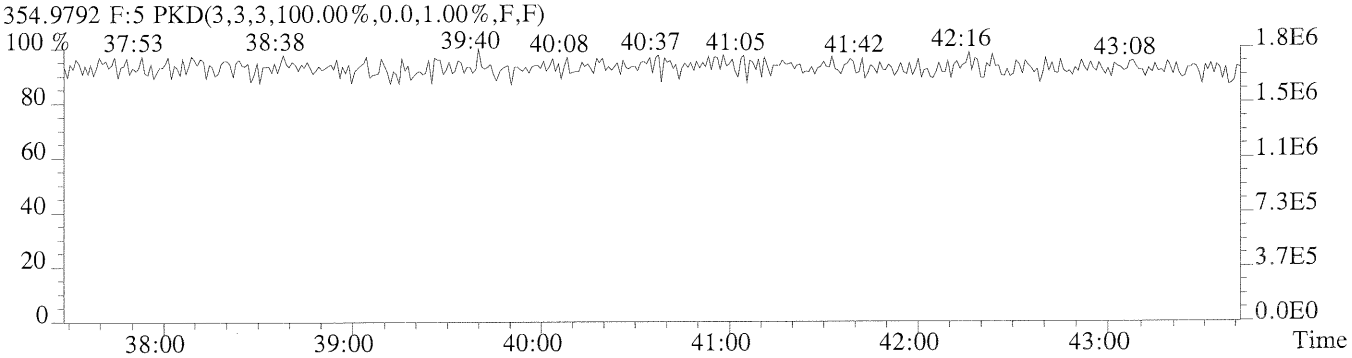
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1024.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)

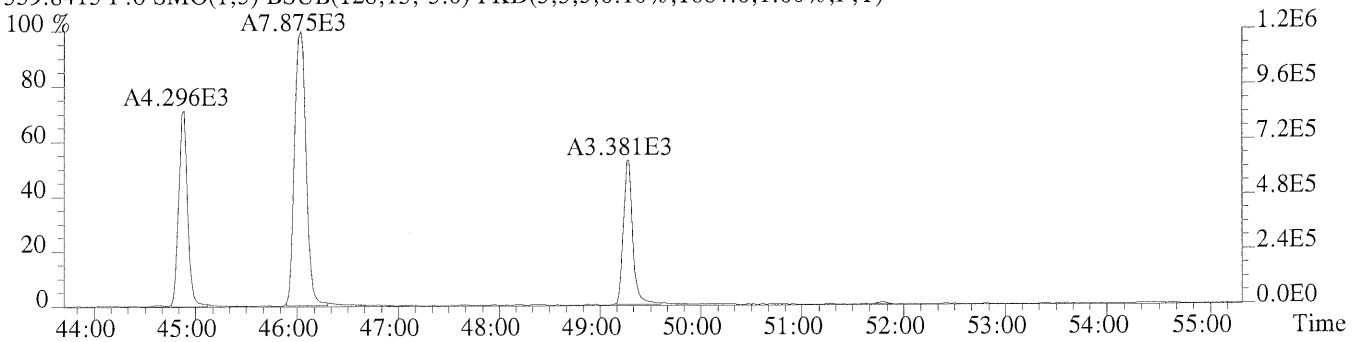


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

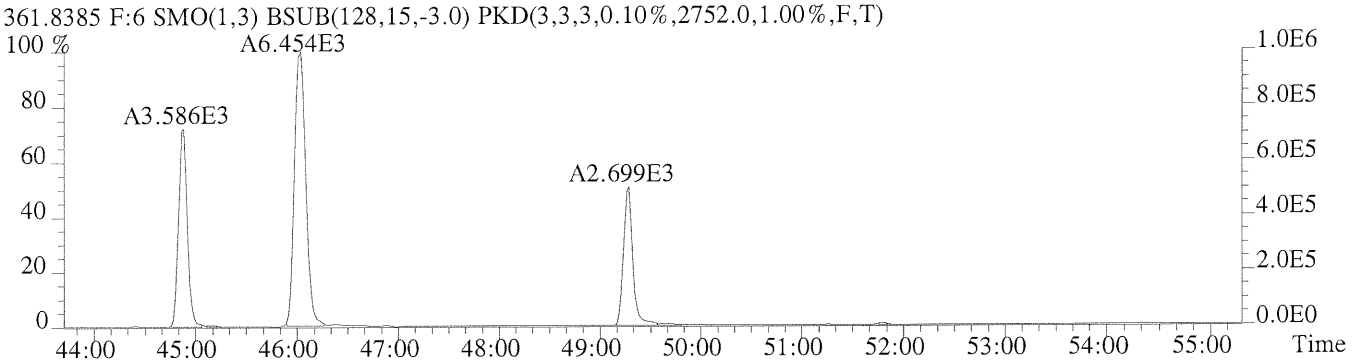


File:U142155 #1-575 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

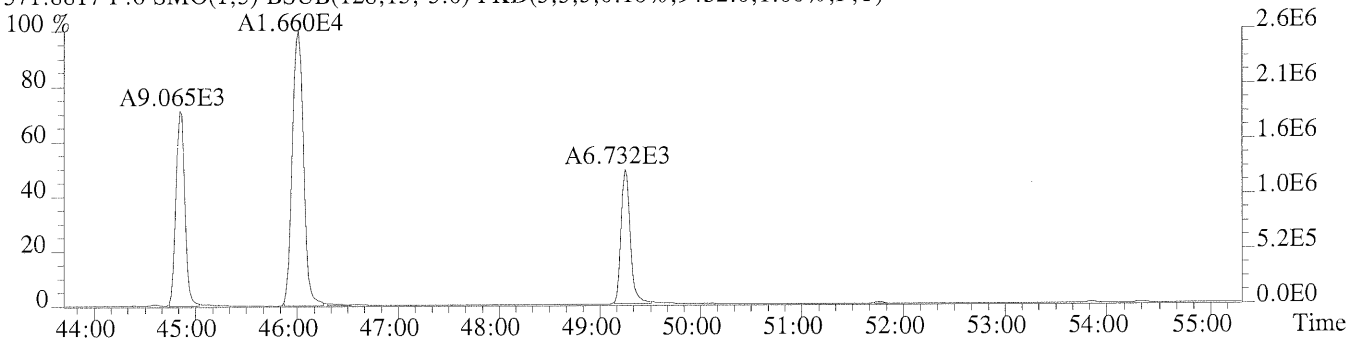
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1684.0,1.00%,F,T)



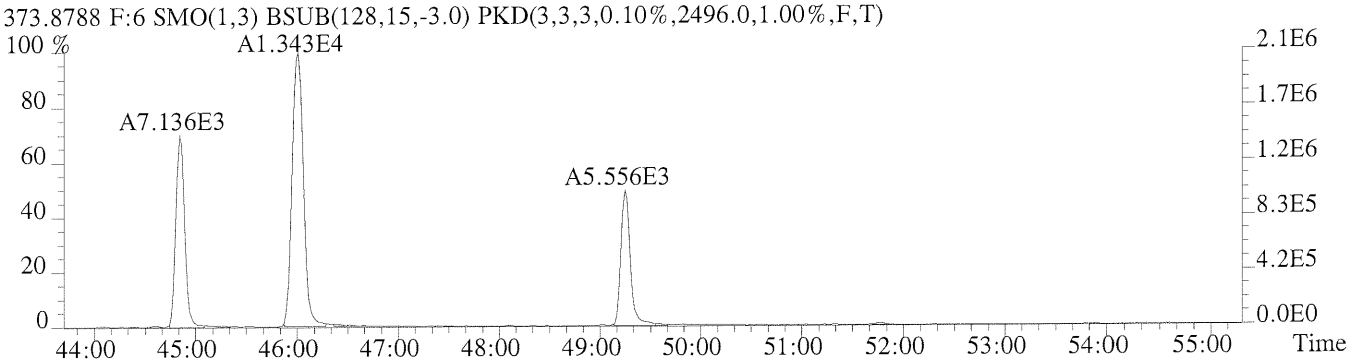
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2752.0,1.00%,F,T)



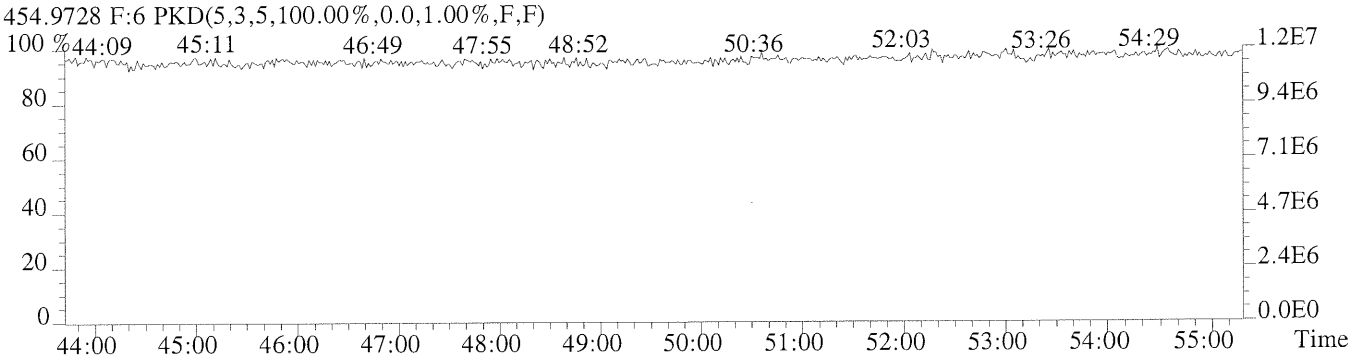
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9452.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2496.0,1.00%,F,T)

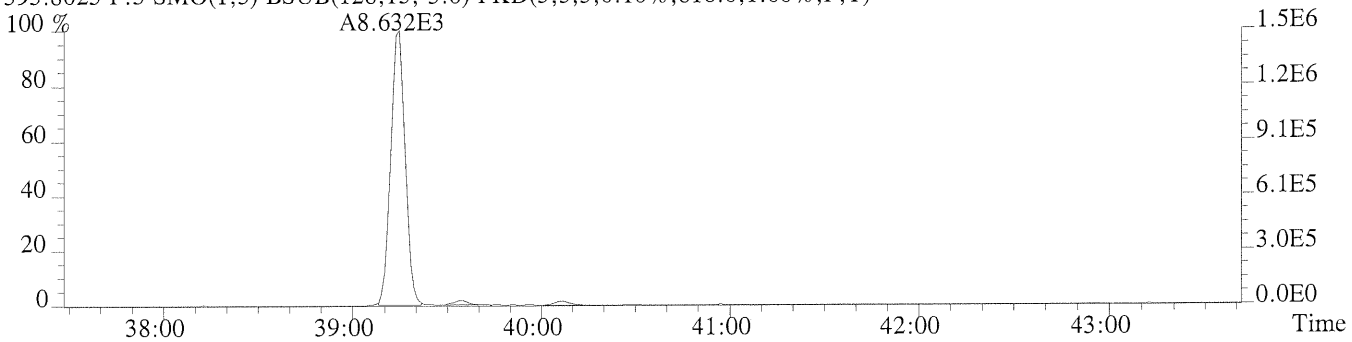


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

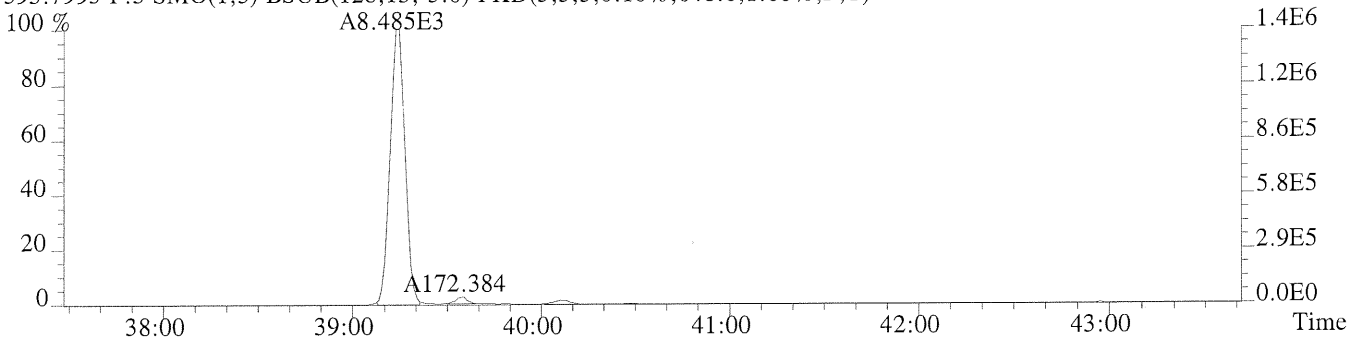


File:U142155 #1-398 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

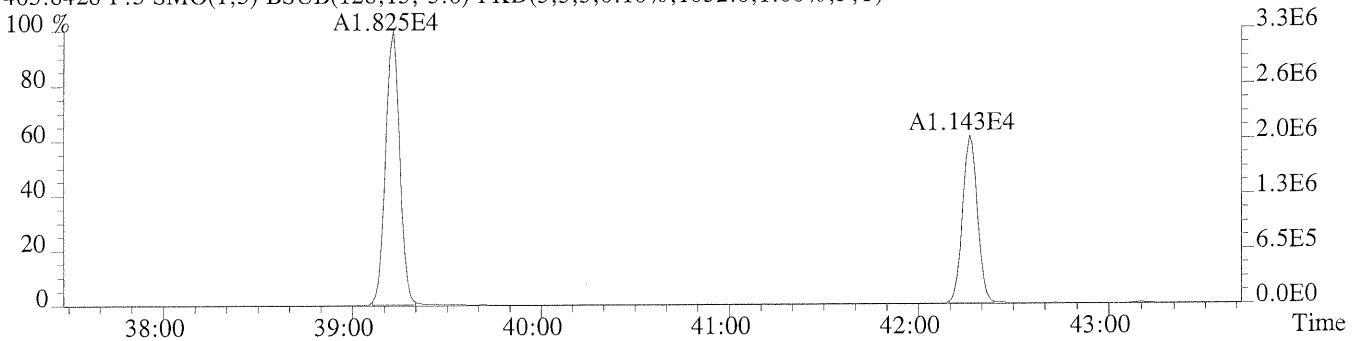
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,816.0,1.00%,F,T)



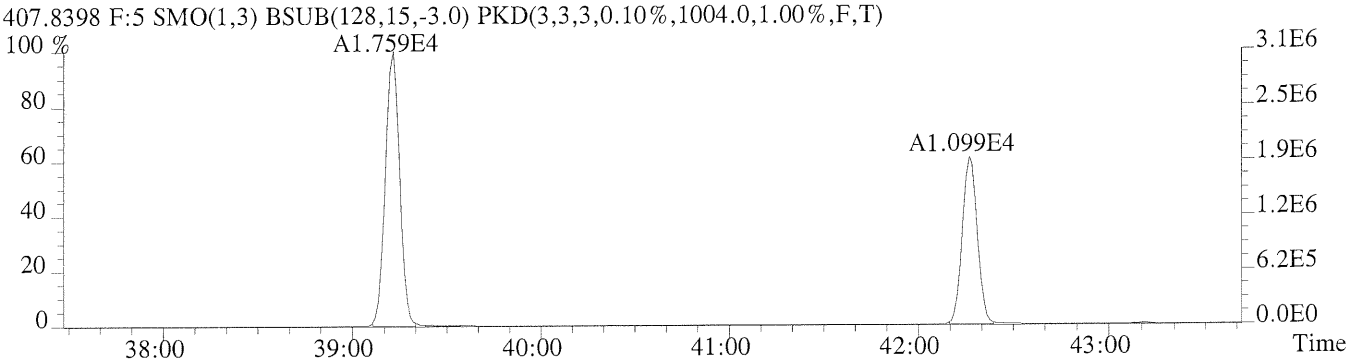
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,648.0,1.00%,F,T)



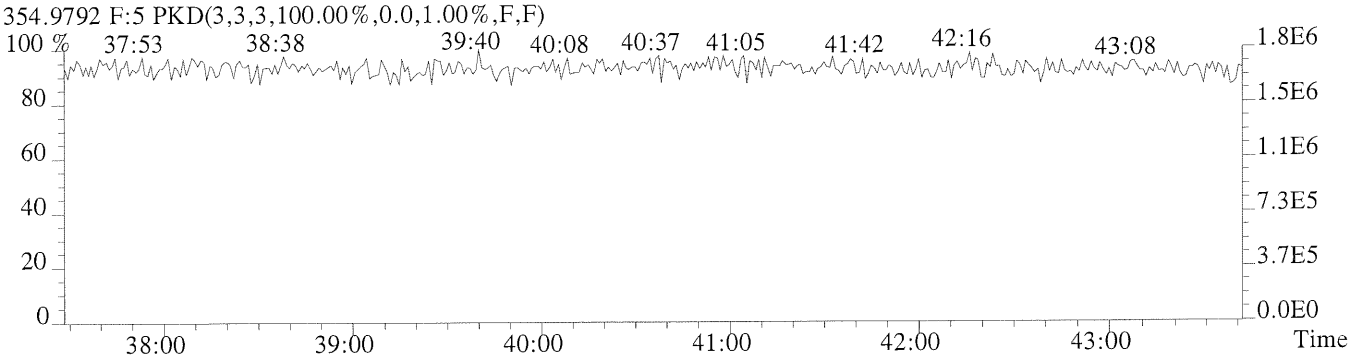
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1032.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)

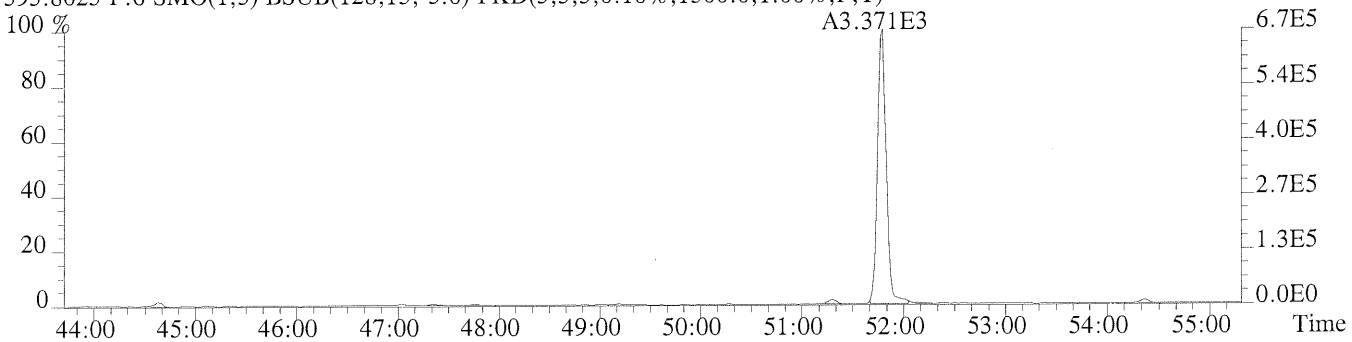


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

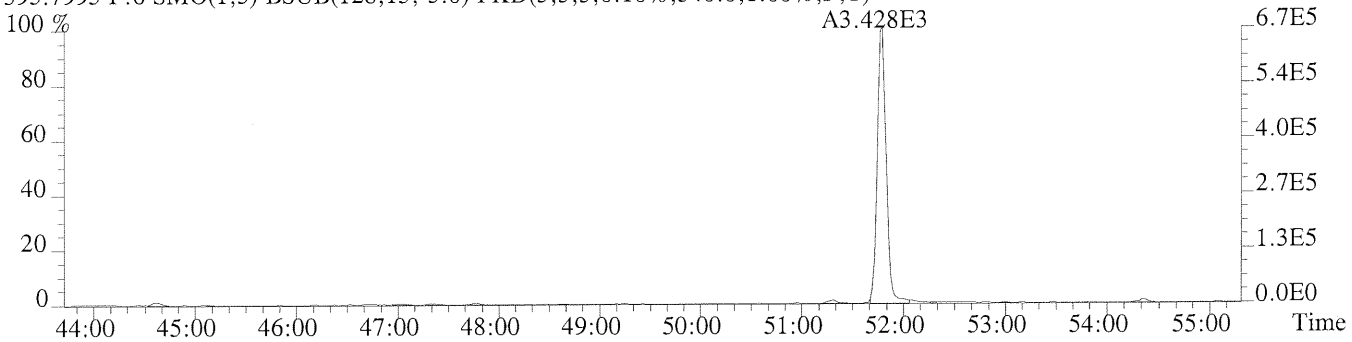


File:U142155 #1-575 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

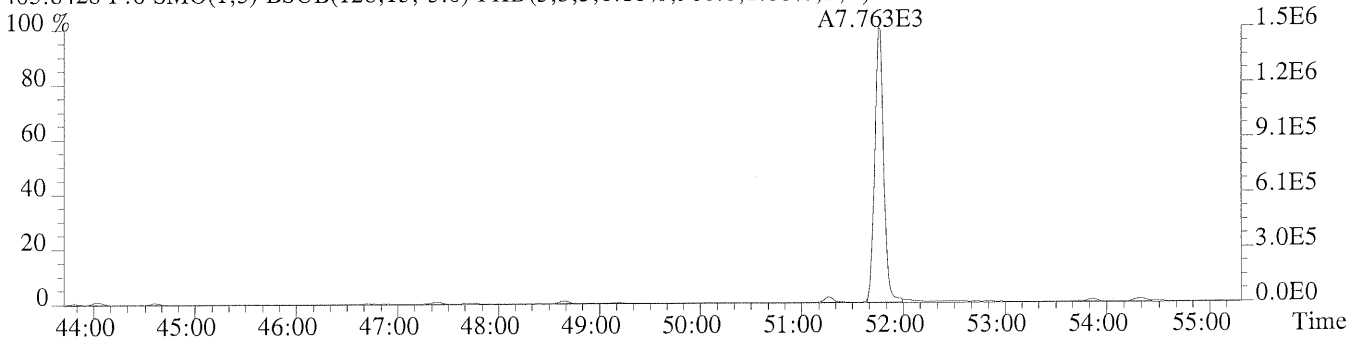
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1500.0,1.00%,F,T)



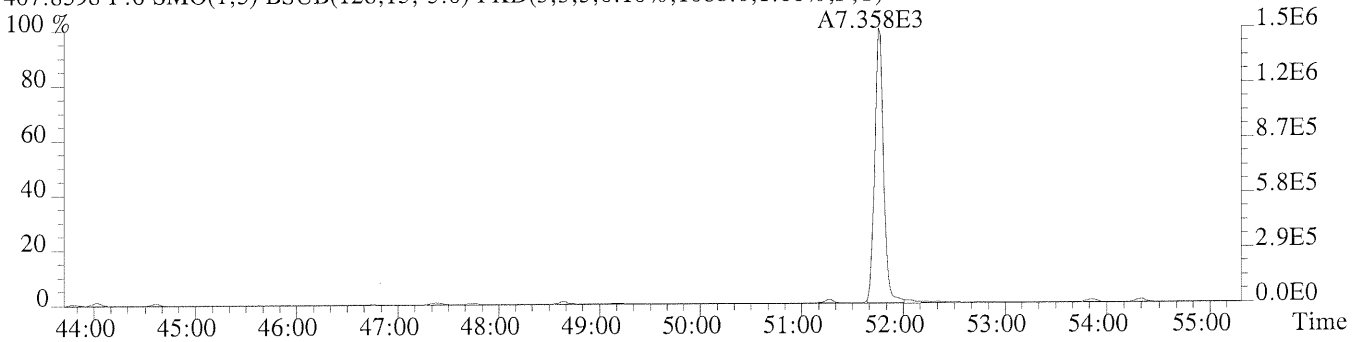
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,540.0,1.00%,F,T)



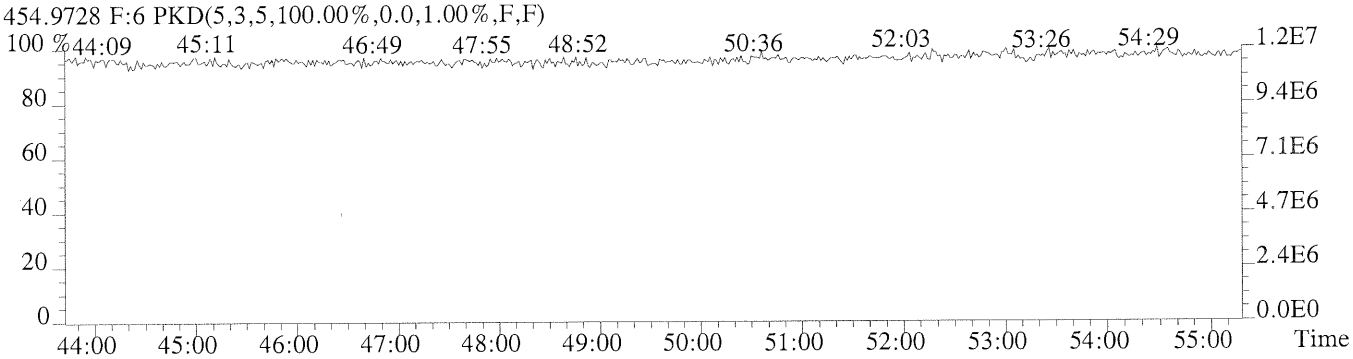
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)

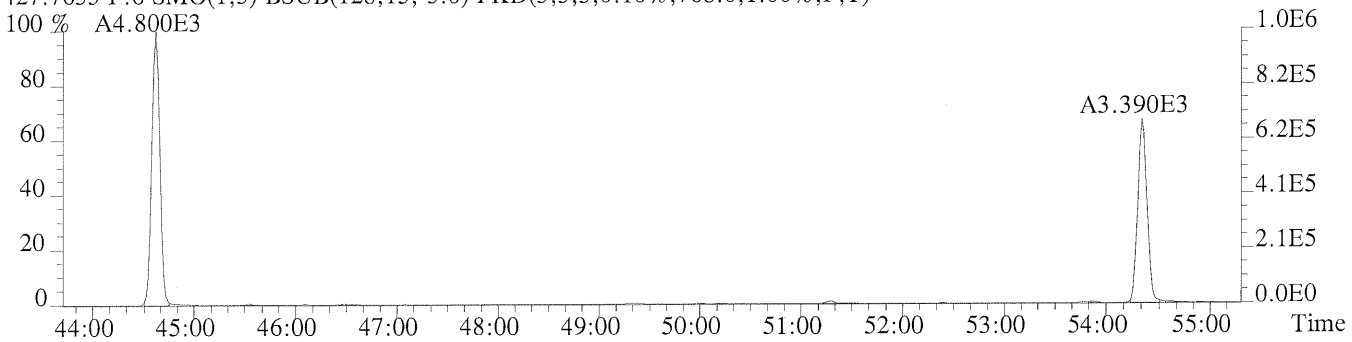


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

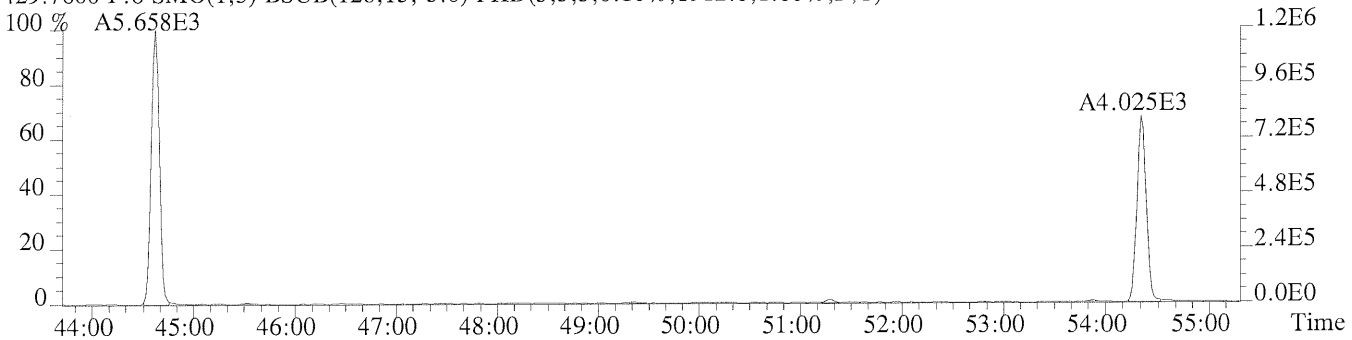


File:U142155 #1-575 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

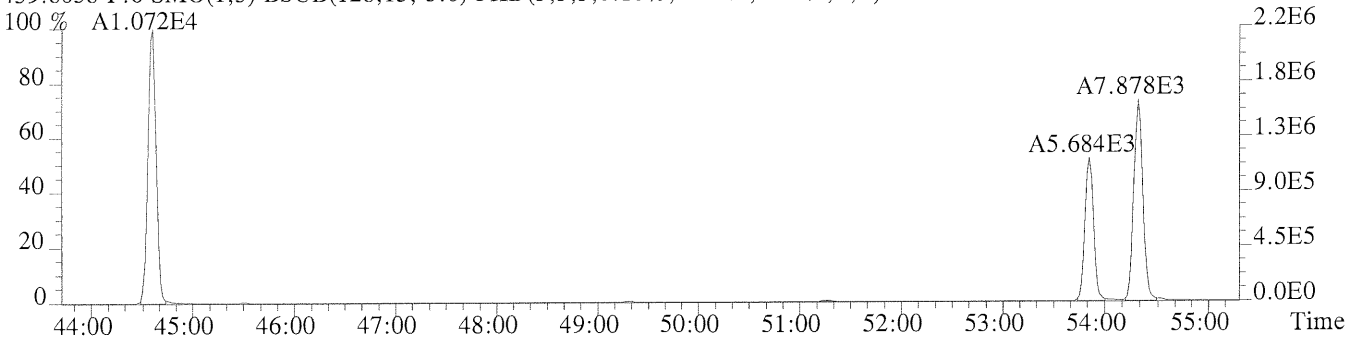
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,768.0,1.00%,F,T)



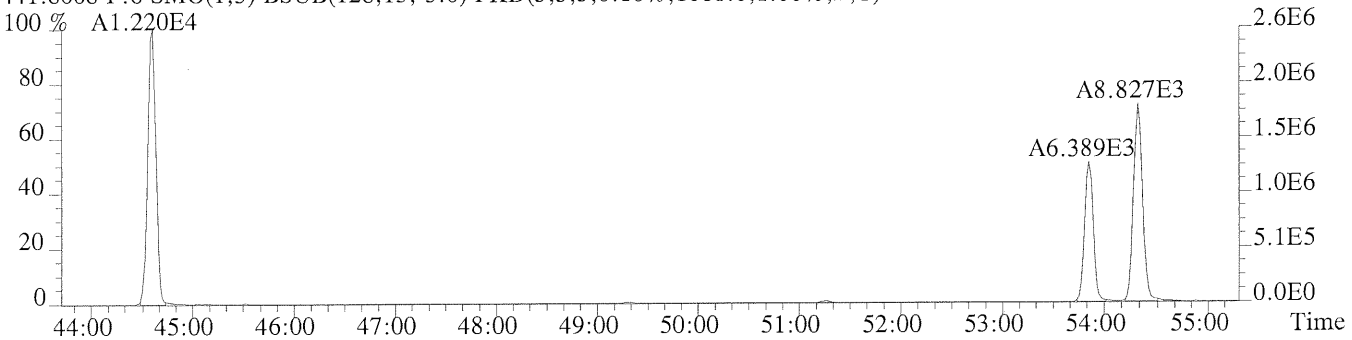
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1912.0,1.00%,F,T)



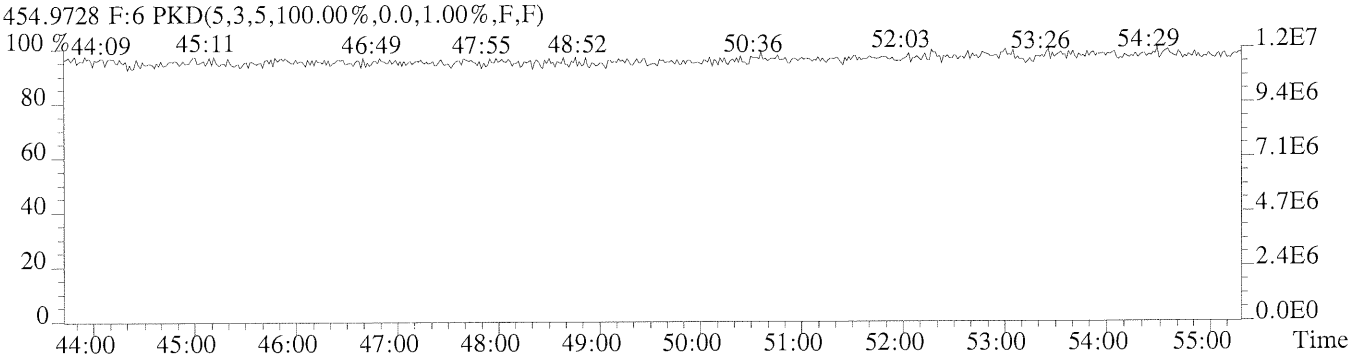
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1412.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)

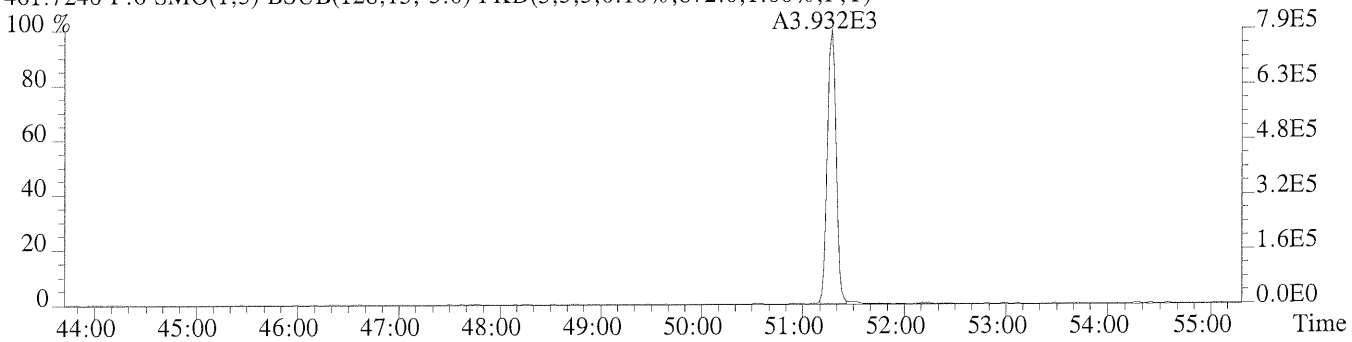


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

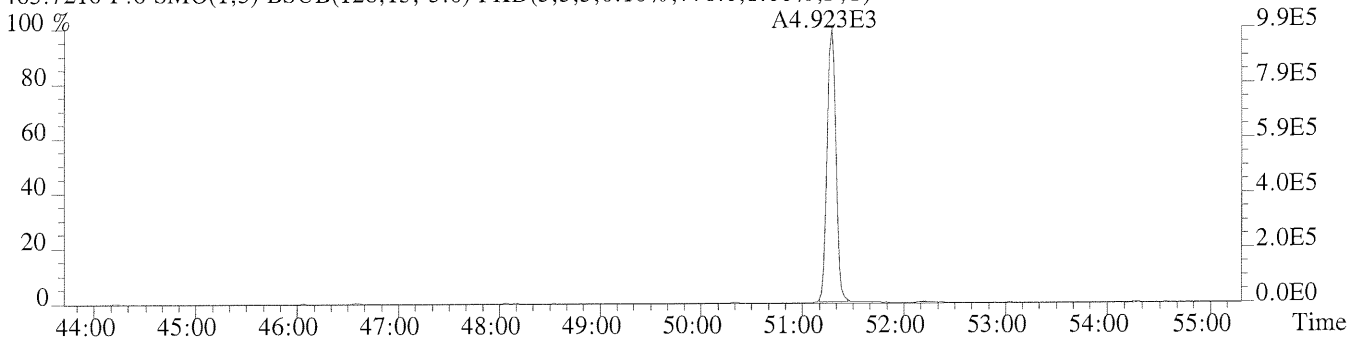


File:U142155 #1-575 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

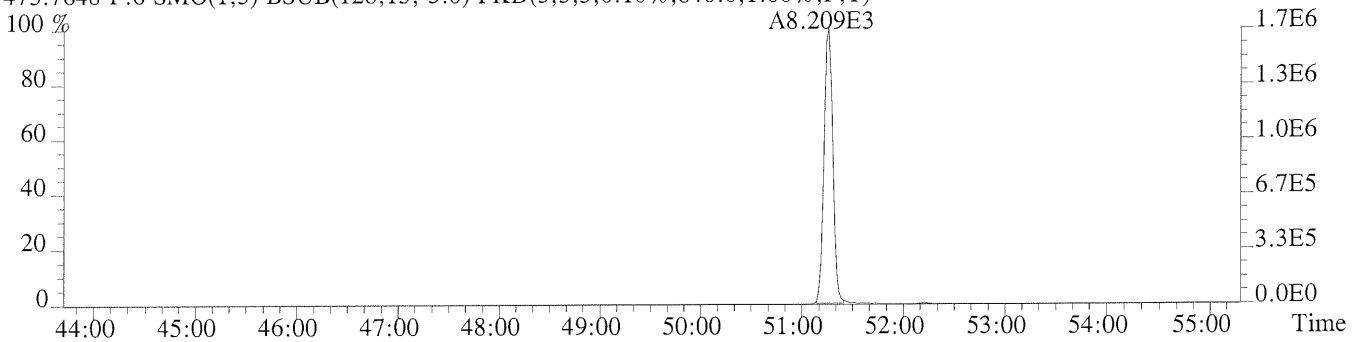
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



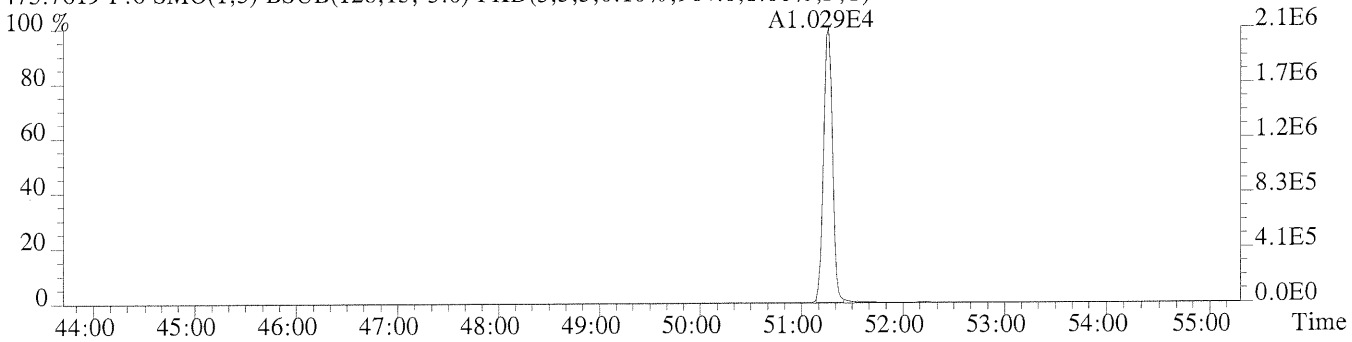
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)



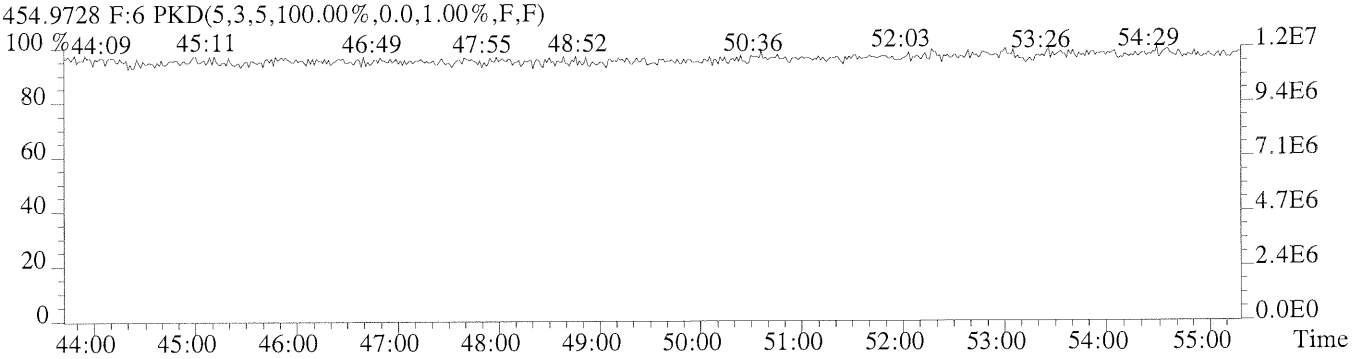
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,840.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)

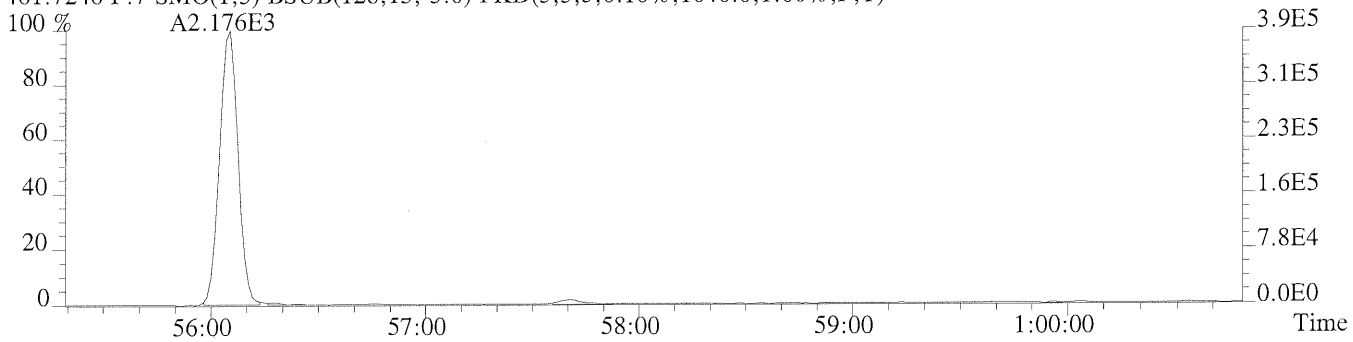


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

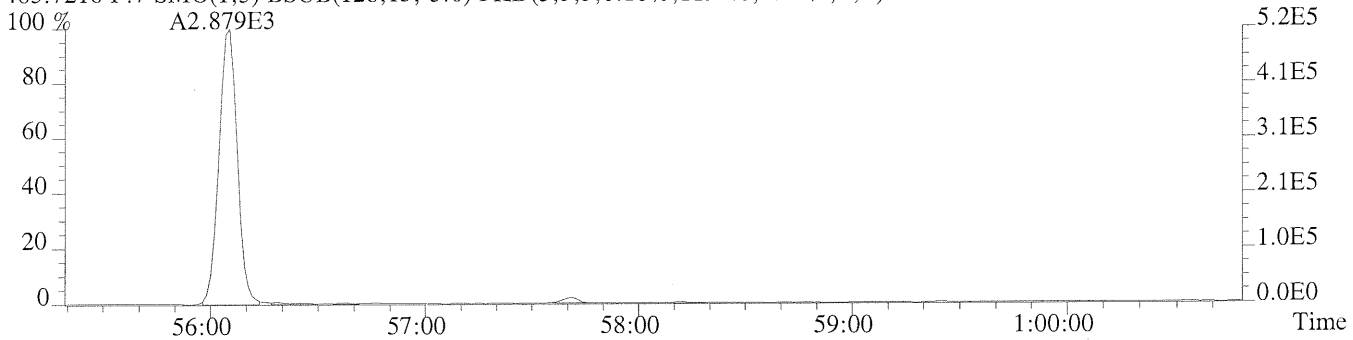


File:U142155 #1-310 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

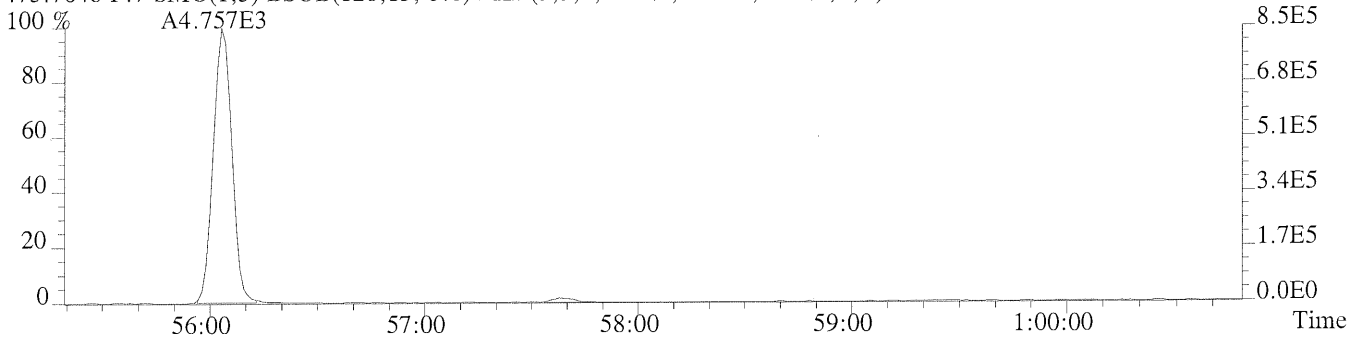
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



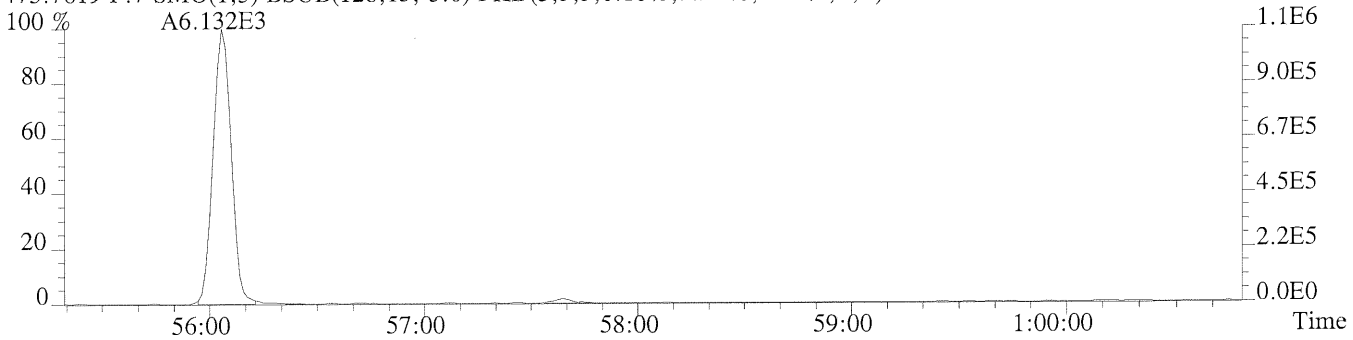
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



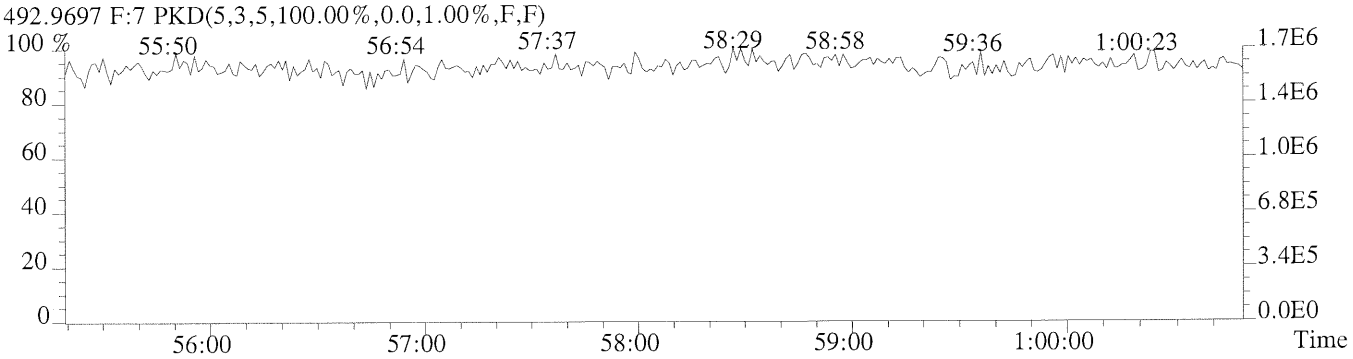
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1012.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1188.0,1.00%,F,T)

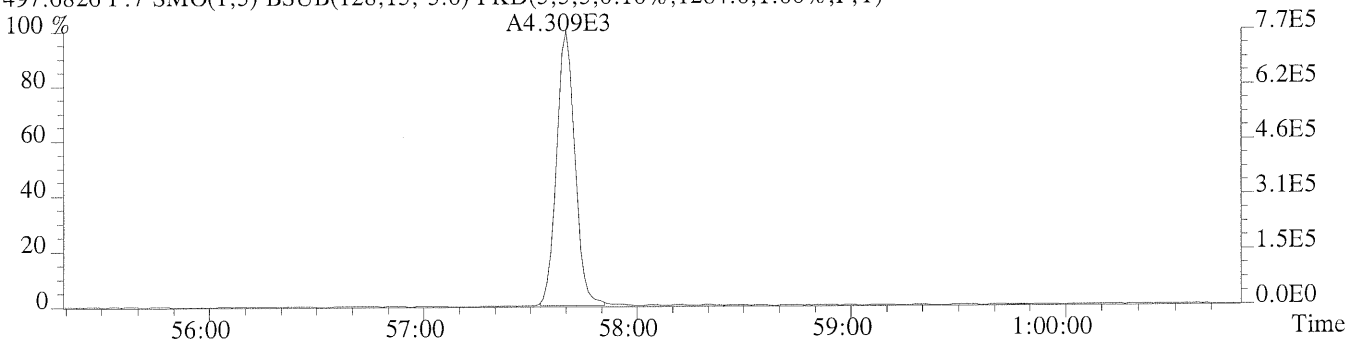


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

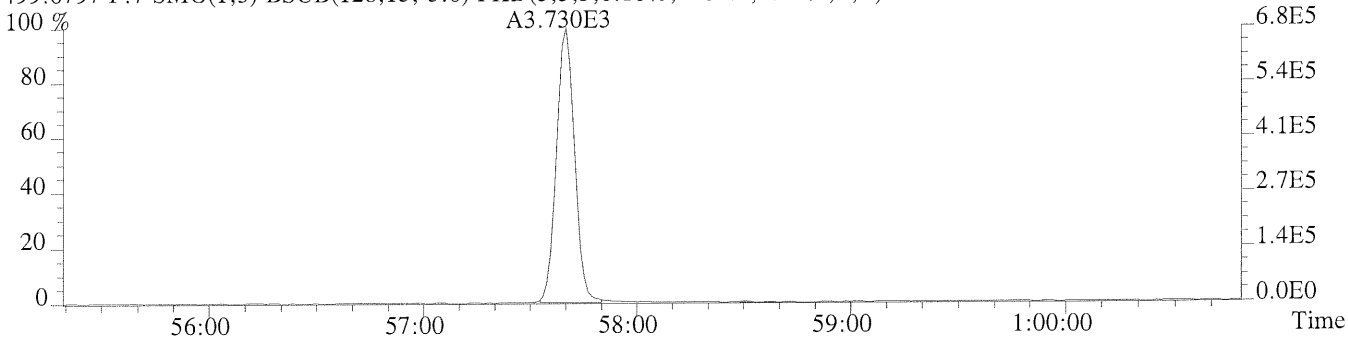


File:U142155 #1-310 Acq:22-NOV-2011 08:05:05 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

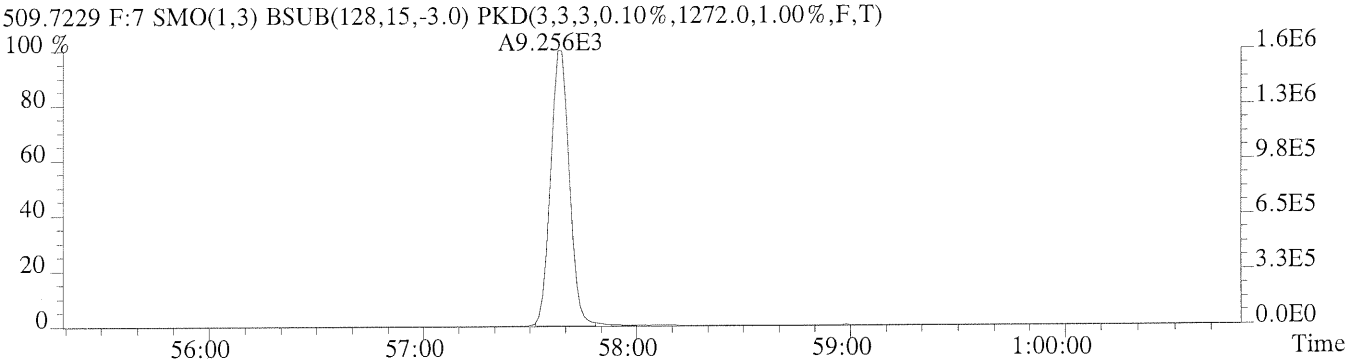
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1284.0,1.00%,F,T)



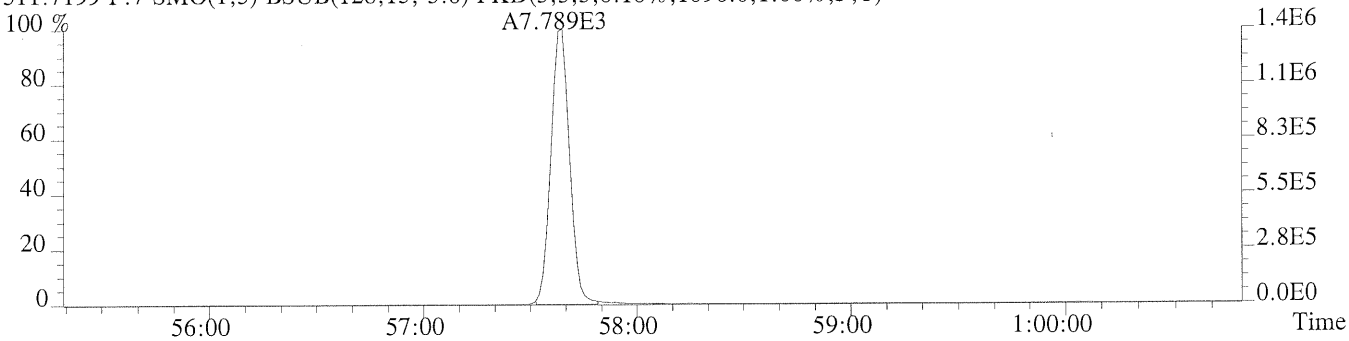
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1200.0,1.00%,F,T)



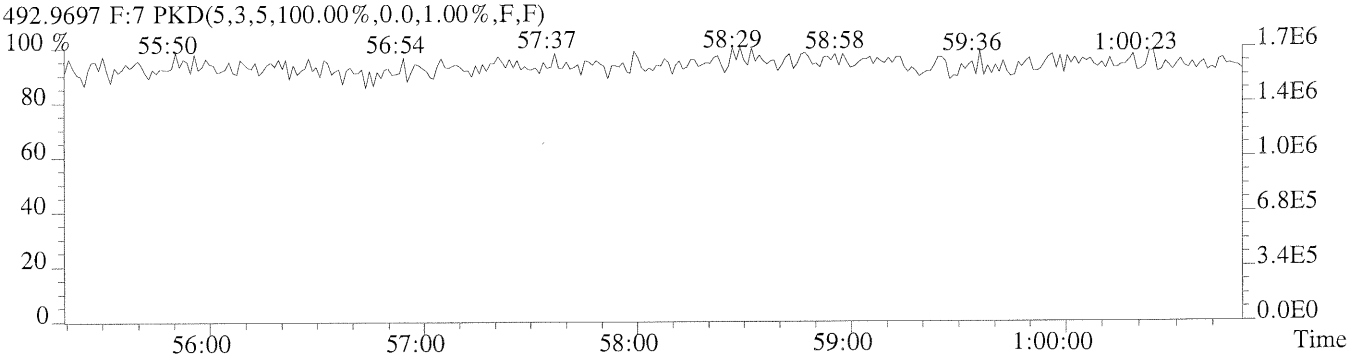
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1272.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



RW/CS3 Daily Calibration QC Checklist

Calibration File Name: U142165

Circle one
Beginning **Ending**

Date: 23 Nov 11

Method: **1668 WHO** **1668 Total** **1668 (209)** **1668 WHO & TOTAL**

Date 12/6/11	**First Reviewer** lee

Date 12/07/11	**Second Reviewer**

5DFC
PCDD/PCDF/PCB ANALYTICAL SEQUENCE SUMMARY

Lab Name: Columbia Analytical Services Contract:

Lab Code: TX01411 Case No.: SDG No.:

GC Column: SPB-OCTYL ID: 0.25 (mm) Instrument ID: E-HRMS-01

Init. Calib. Date: 02/23/11

Init. Calib.Times: 09:22

THE ANALYTICAL SEQUENCE OF STANDARDS, SAMPLES, BLANKS, AND LABORATORY CONTROL SAMPLES (LCSs) IS AS FOLLOWS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
CCAL CS3		U142165	23-NOV-11	07:32:48
DCCS-209	B4-25-1	U142164	23-NOV-11	06:11:02
DCCS-209	B4-25-1	U142164	23-NOV-11	06:11:02
METHOD BLANK	EQ1100541-01	U142166	23-NOV-11	08:53:35
KC91-156U	E1101076-003	U142167	23-NOV-11	10:04:20
KC91-156L	E1101076-004	U142168	23-NOV-11	11:12:38
RINSATE	E1101076-007	U142169	23-NOV-11	12:20:57
DUP	E1101076-008	U142170	23-NOV-11	13:29:16
CELL 3-9	E1101080-001	U142171	23-NOV-11	14:37:39
CELL 2-10	E1101080-002	U142172	23-NOV-11	15:46:02

Sample List Report MassLynx 4.1

Sample List: C:\MassLynx\CASHOUSTON.PRO\SampleDB\U1111123.SPL
Last Modified: Wednesday, November 23, 2011 08:53:29 Central Standard Time
Printed: Wednesday, November 23, 2011 15:01:25 Central Standard Time

Columbia Analytical Services
19408 Park Row
Suite 320
Houston, Texas 77084

C: U142165 CAL/RES

	Date	Time	File Name	Sample ID	Client ID	Analyst	Comments	GC Met	Acq Met
1	11/23/11	04:32	U142163	PCB 209 INJECTION	B4-25-1		HRMS check 04:28	1668EPA	1668EPA
2		06:11	U142164	PCB 209 INJECTION	B4-25-1			1668EPA	1668EPA
3		07:32	U142165	CCAL CS3	B2-26-1			1668EPA	1668EPA
4		08:53	U142166	EQ1100541-01	MB			1668EPA	1668EPA
5		10:04	U142167	E1101076-003	KC91-156U			1668EPA	1668EPA
6		11:12	U142168	E1101076-004	KC91- 156L			1668EPA	1668EPA
7		12:20	U142169	E1101076-007	Rinsate			1668EPA	1668EPA
8		13:29	U142170	E1101076-008	DUP			1668EPA	1668EPA
9		14:37	U142171	E1101080-001	Cell 3-9			1668EPA	1668EPA
10		15:46	U142172	E1101080-002	Cell 2-10		HRMS Check 18:36	1668EPA	1668EPA
11			---	---	---			1668EPA	1668EPA
12			---	---	---			1668EPA	1668EPA
13			---	---	---			1668EPA	1668EPA
14			---	---	---			1668EPA	1668EPA
15			---	---	---			1668EPA	1668EPA
16			---	---	---			1668EPA	1668EPA
17			---	---	---			1668EPA	1668EPA
18			---	---	---			1668EPA	1668EPA
19			---	---	---			---	---
20			---	---	---			---	---
21			---	---	---			TCDFCAS	TCDFCAS
22			---	---	---			1668EPA	1668EPA
23			---	---	---			---	---
24			---	---	---			---	---
25			---	---	---			TCDFCAS	TCDFCAS
26			---	---	---			TCDFCAS	TCDFCAS
27			---	---	---			1668EPA	1668EPA
28			---	---	---			1668EPA	1668EPA
29			---	---	---			8290cas	8290CAS
30			---	---	---			TCDFCAS	TCDFCAS
31			---	---	---			---	---
32			---	---	---			---	---
33	---	---	---	---	---	---	---	---	---
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37	---	---	---	---	---	---		---	---
38	---	---	---	---	---	---	---	---	---
39	---	---	---	---	---	---	---	---	---

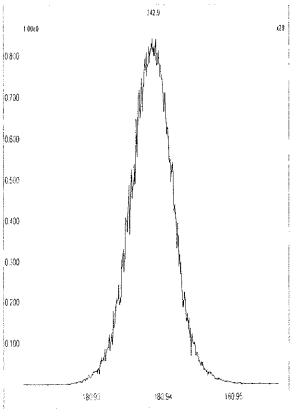
Reviewed By: CU 12/7/11

Experiment Calibration Report **MassLynx 4.1**

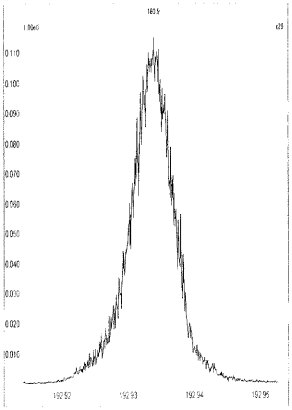
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 04:28:45 Central Standard Time

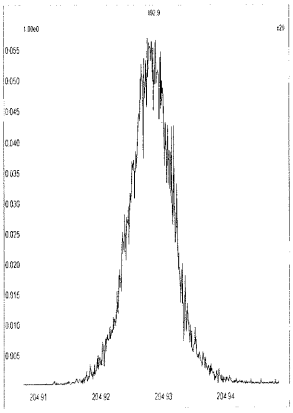
M 180.9888 R 12374



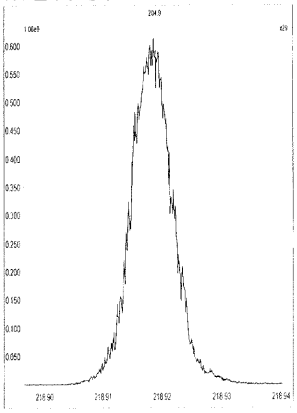
M 192.9888 R 10592



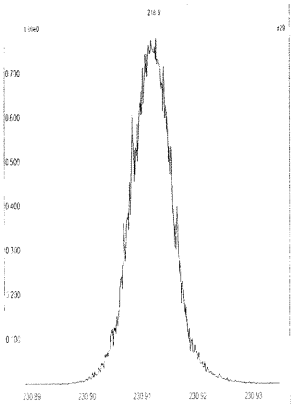
M 204.9888 R 11574



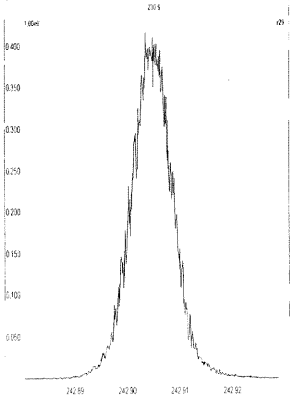
M 218.9856 R 13155



M 230.9856 R 12951



M 242.9856 R 12689

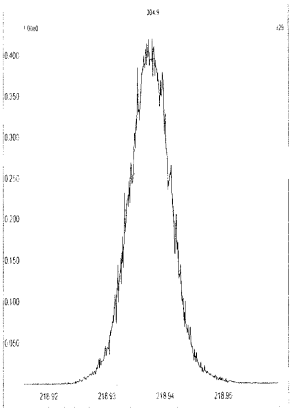


Experiment Calibration Report **MassLynx 4.1**

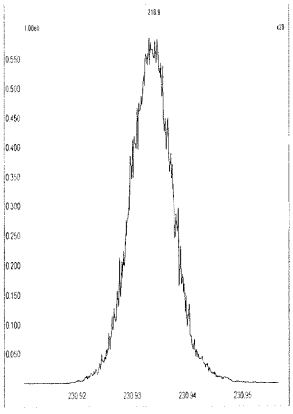
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 04:29:14 Central Standard Time

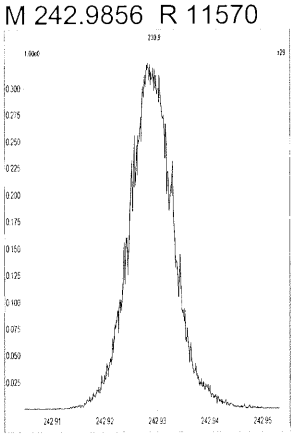
M 218.9856 R 12253



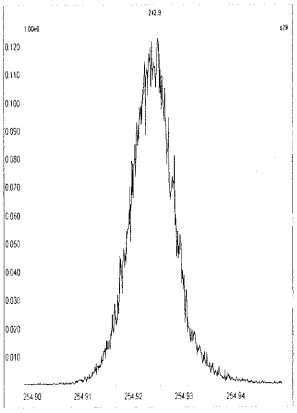
M 230.9856 R 12198



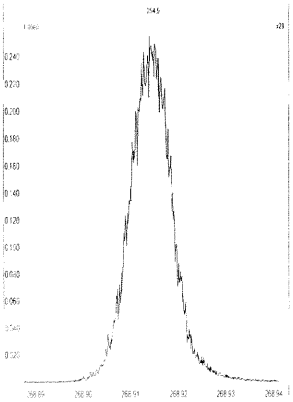
M 242.9856 R 11570



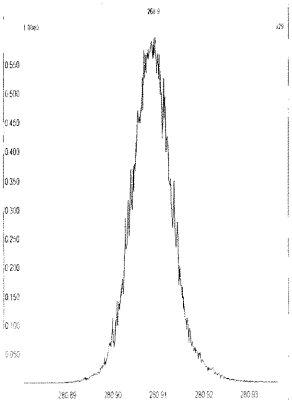
M 254.9856 R 11625



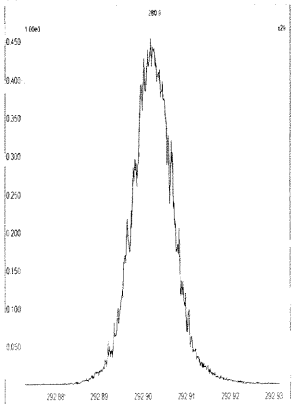
M 268.9824 R 12823



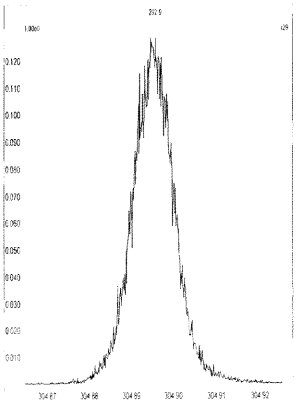
M 280.9824 R 12499



M 292.9824 R 13086



M 304.9824 R 12821

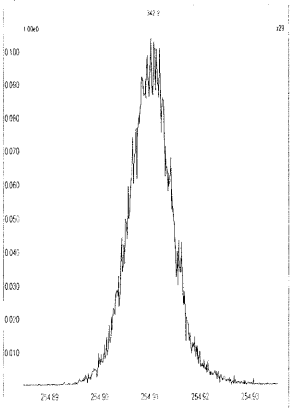


Experiment Calibration Report **MassLynx 4.1**

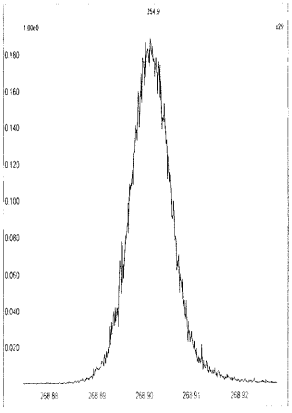
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 04:29:48 Central Standard Time

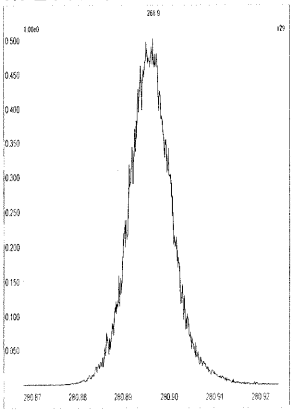
M 254.9856 R 11793



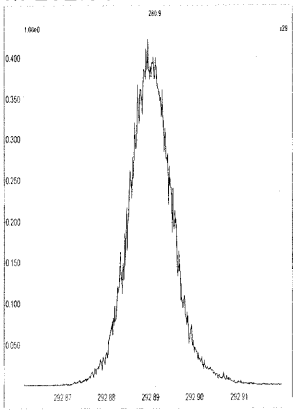
M 268.9824 R 12557



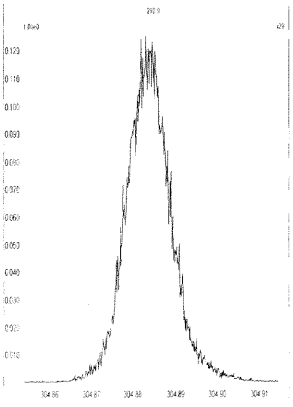
M 280.9824 R 11627



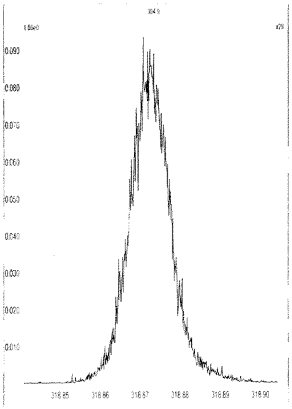
M 292.9824 R 12191



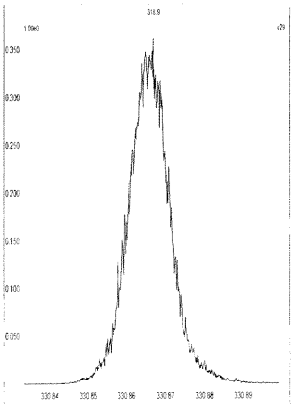
M 304.9824 R 11731



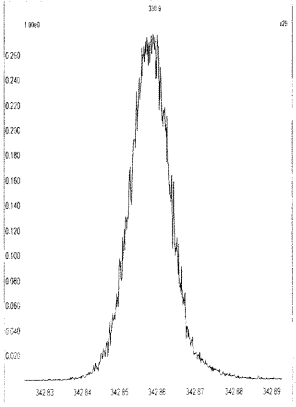
M 318.9792 R 12951



M 330.9792 R 13154



M 342.9792 R 12194

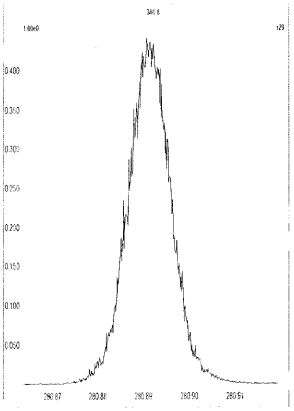


Experiment Calibration Report **MassLynx 4.1**

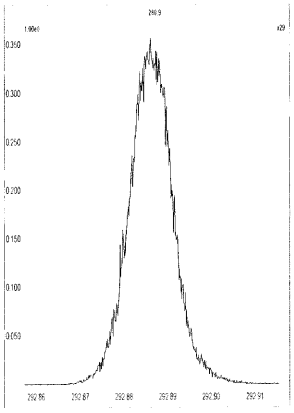
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 04:30:16 Central Standard Time

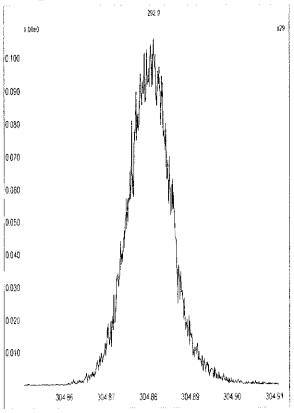
M 280.9824 R 12498



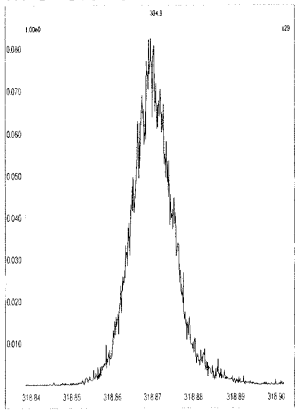
M 292.9824 R 12318



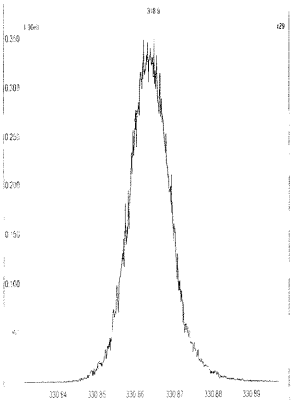
M 304.9824 R 11905



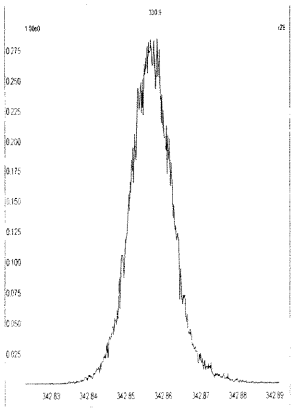
M 318.9792 R 12313



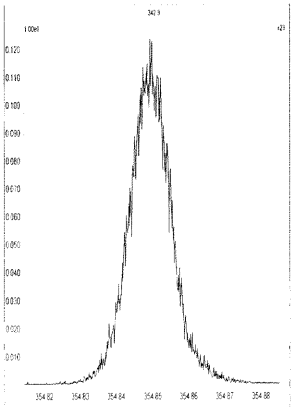
M 330.9792 R 12692



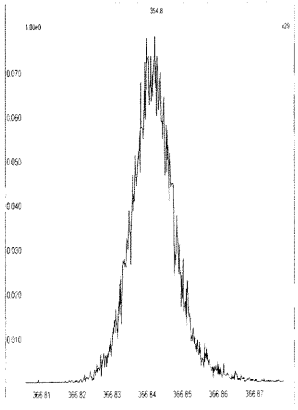
M 342.9792 R 12562



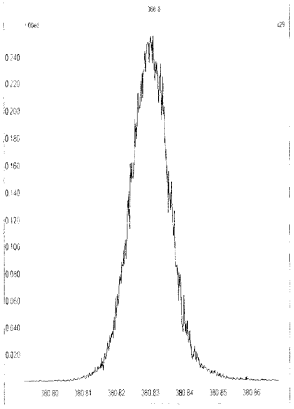
M 354.9792 R 13086



M 366.9792 R 11905



M 380.9760 R 13296

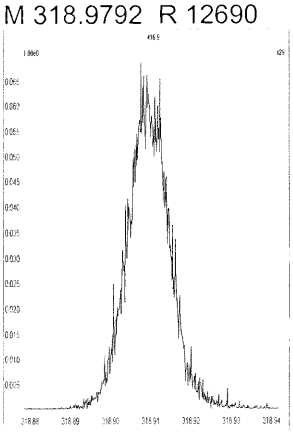


Experiment Calibration Report **MassLynx 4.1**

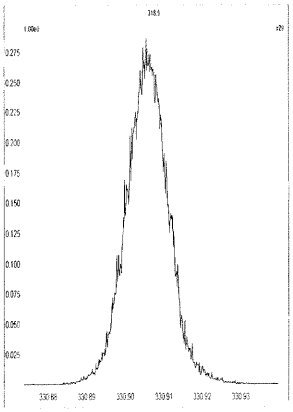
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 04:30:44 Central Standard Time

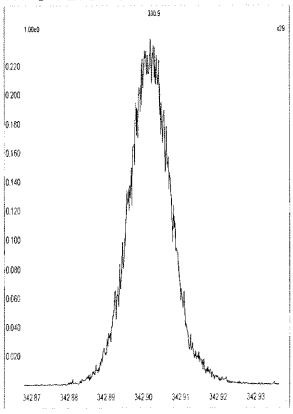
M 318.9792 R 12690



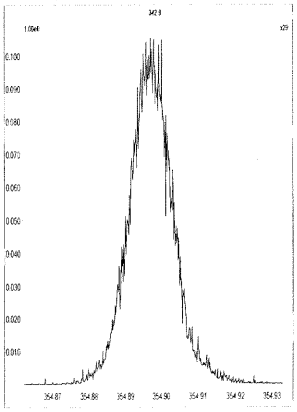
M 330.9792 R 13086



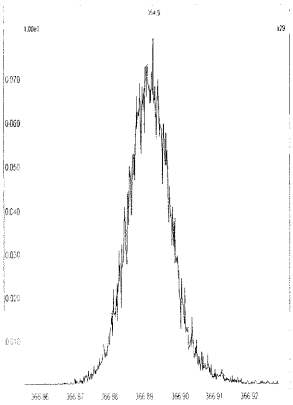
M 342.9792 R 12377



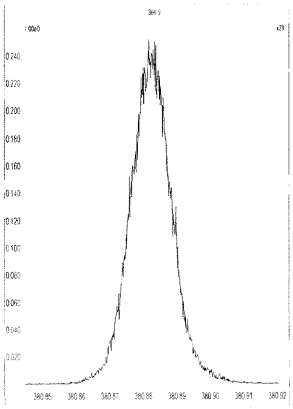
M 354.9792 R 12135



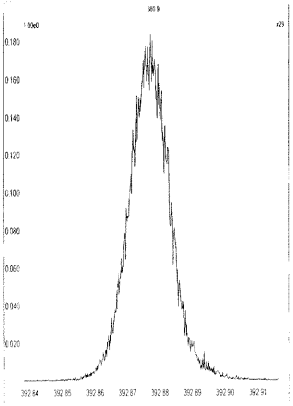
M 366.9792 R 12373



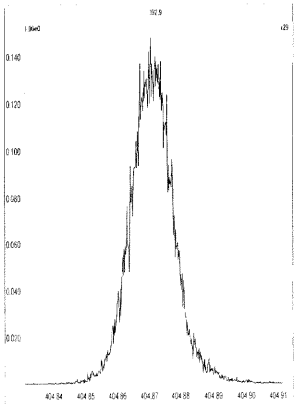
M 380.9760 R 12563



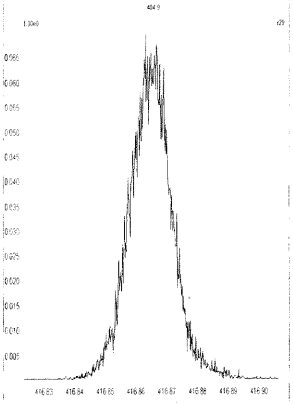
M 392.9760 R 12503



M 404.9760 R 12950



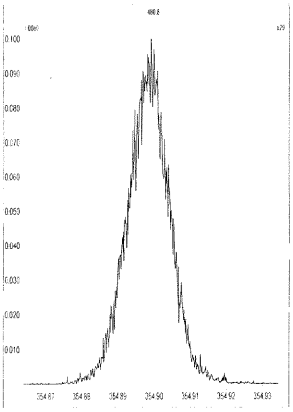
M 416.9760 R 13157



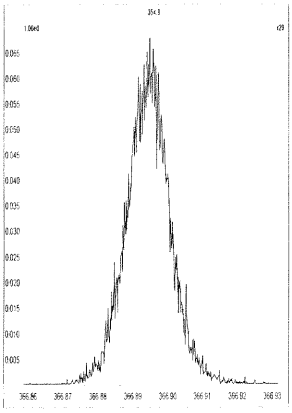
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 6 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 04:31:12 Central Standard Time

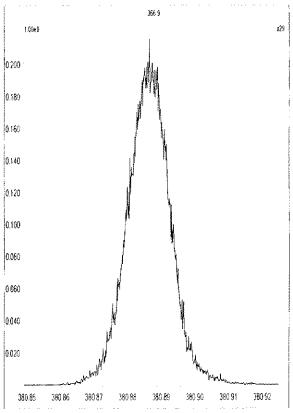
M 354.9792 R 13440



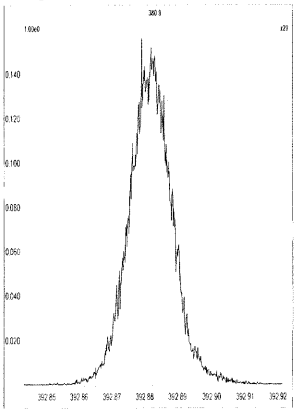
M 366.9792 R 12823



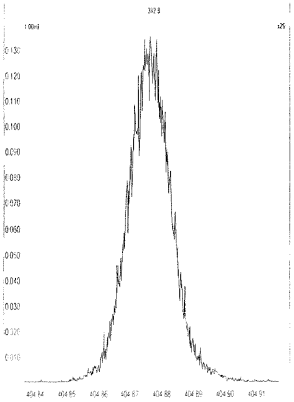
M 380.9760 R 12627



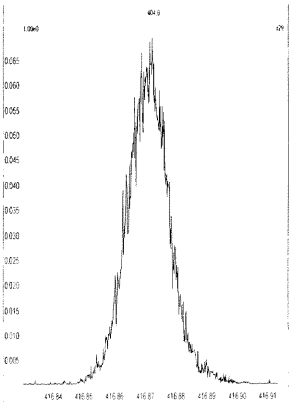
M 392.9760 R 12258



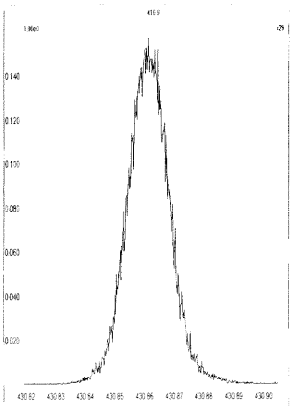
M 404.9760 R 12497



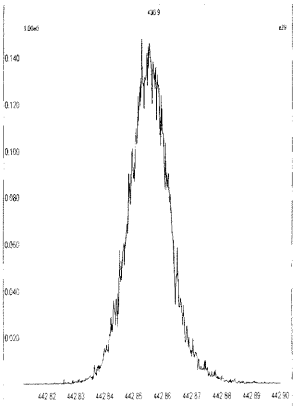
M 416.9760 R 12437



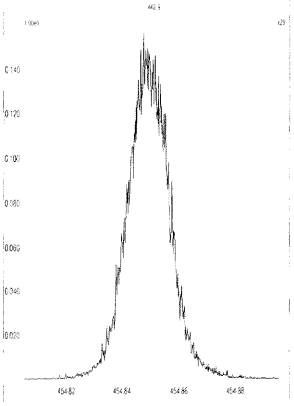
M 430.9728 R 12951



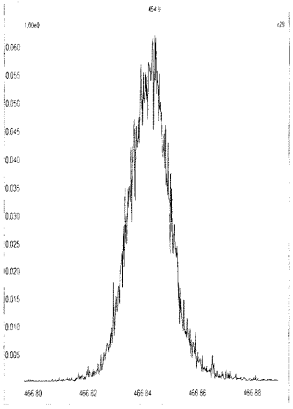
M 442.9728 R 13090



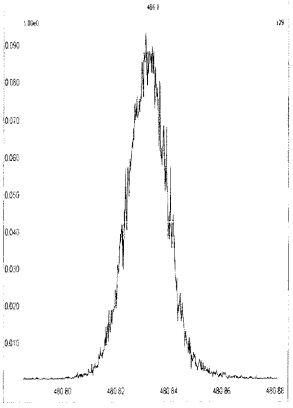
M 454.9728 R 13297



M 466.9728 R 13584



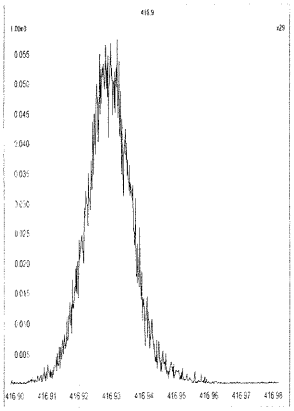
M 480.9696 R 13661



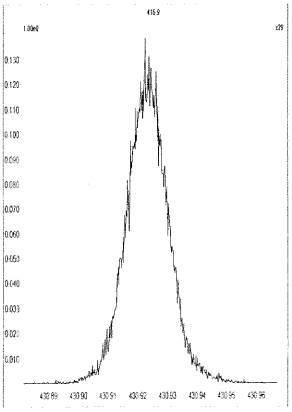
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 7 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 04:31:37 Central Standard Time

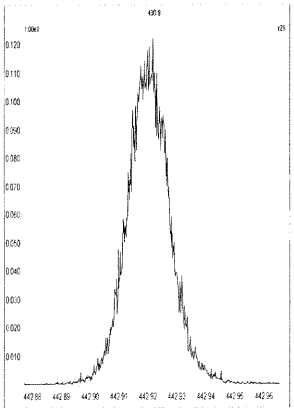
M 416.9760 R 11963



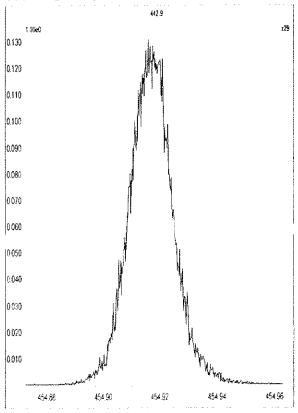
M 430.9728 R 13021



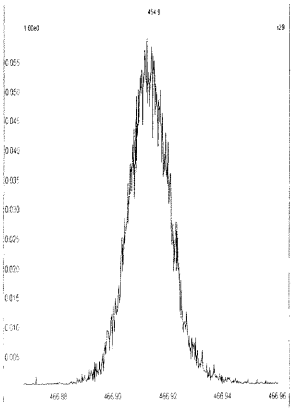
M 442.9728 R 12753



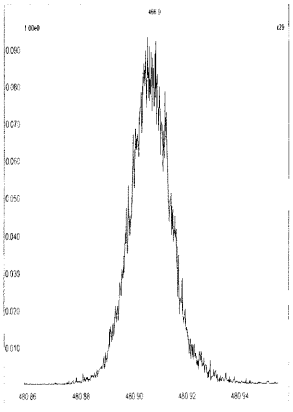
M 454.9728 R 12627



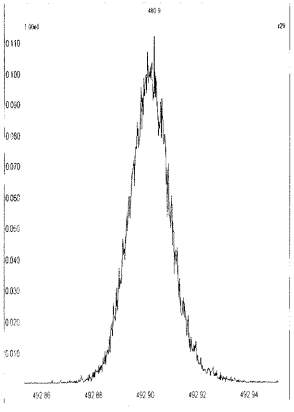
M 466.9728 R 12499



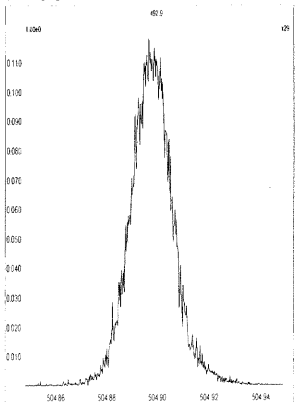
M 480.9696 R 12076



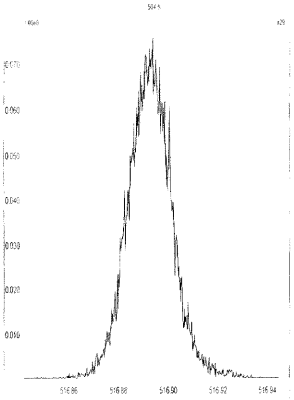
M 492.9696 R 12950



M 504.9696 R 12499



M 516.9697 R 12498

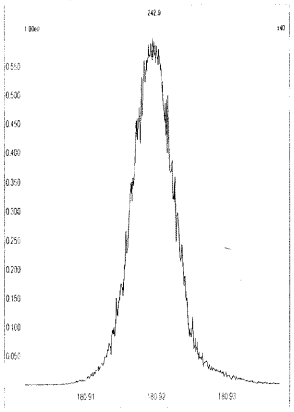


Experiment Calibration Report **MassLynx 4.1**

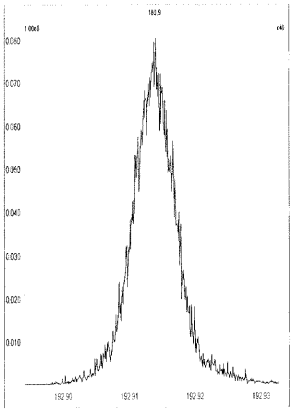
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 18:36:55 Central Standard Time

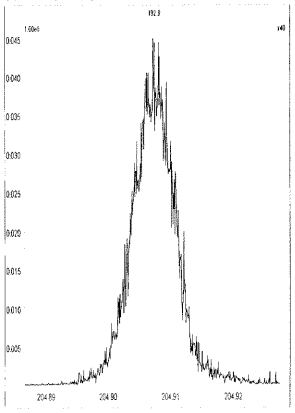
M 180.9888 R 11850



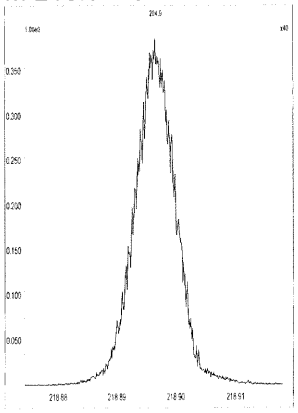
M 192.9888 R 10636



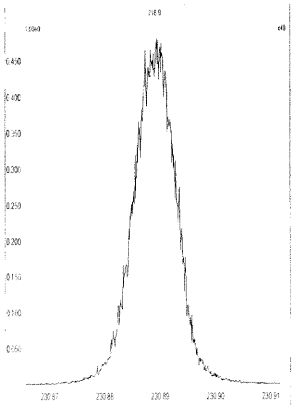
M 204.9888 R 13367



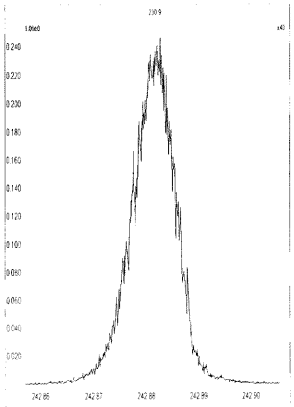
M 218.9856 R 13736



M 230.9856 R 12439



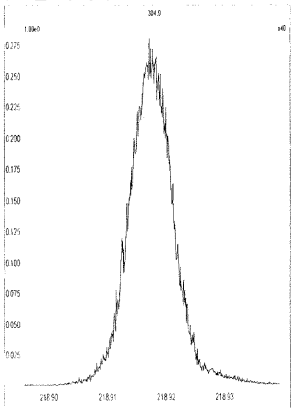
M 242.9856 R 12193



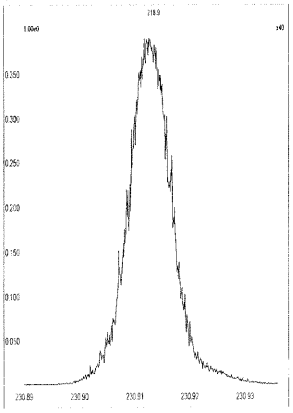
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 18:37:38 Central Standard Time

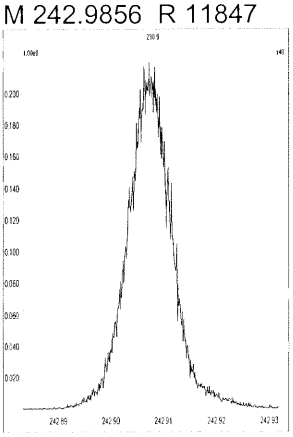
M 218.9856 R 12687



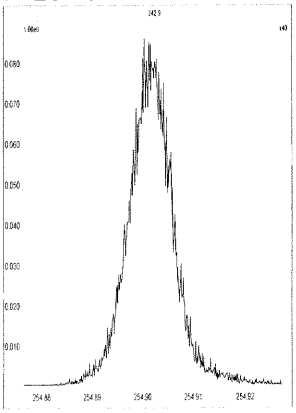
M 230.9856 R 12021



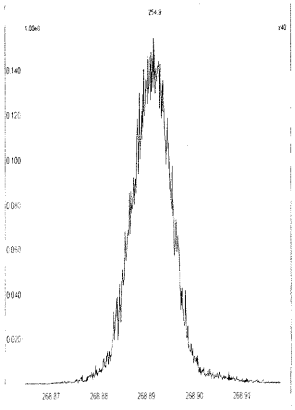
M 242.9856 R 11847



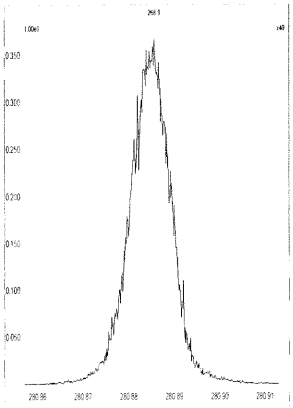
M 254.9856 R 12195



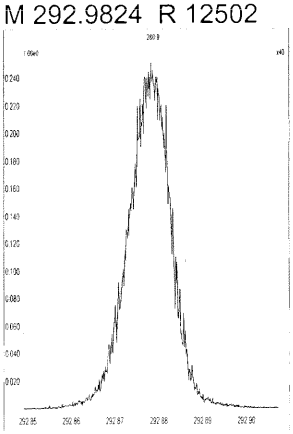
M 268.9824 R 13813



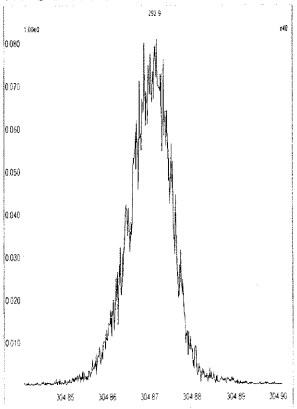
M 280.9824 R 13303



M 292.9824 R 12502



M 304.9824 R 12886

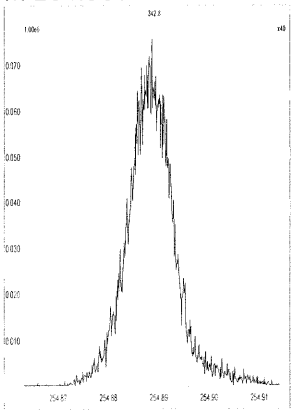


Experiment Calibration Report **MassLynx 4.1**

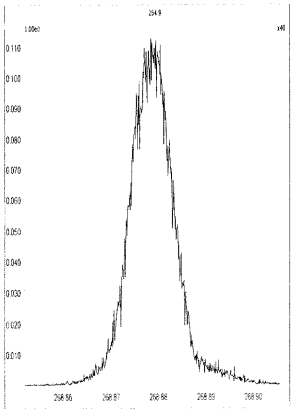
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 18:38:25 Central Standard Time

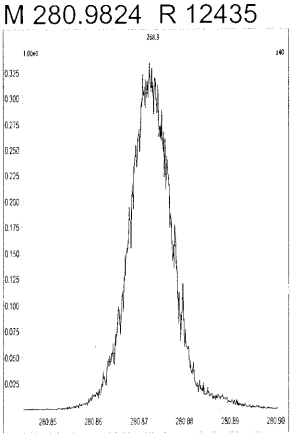
M 254.9856 R 12018



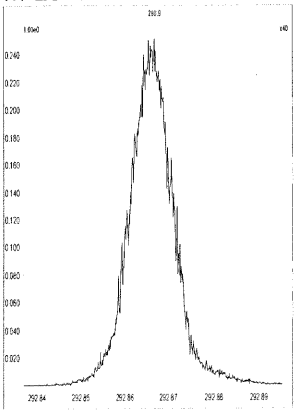
M 268.9824 R 12946



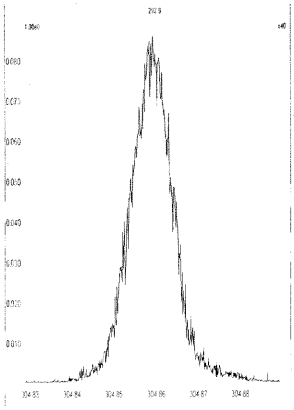
M 280.9824 R 12435



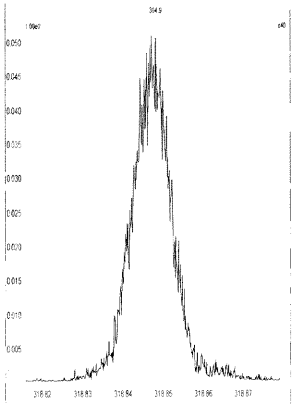
M 292.9824 R 12021



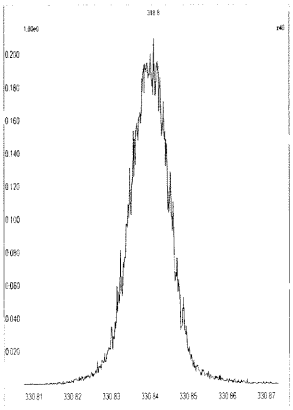
M 304.9824 R 12625



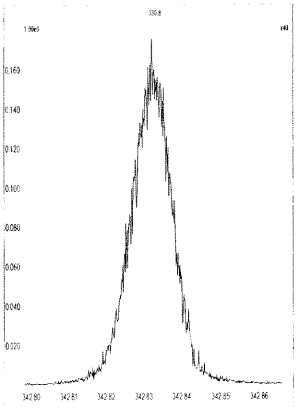
M 318.9792 R 13970



M 330.9792 R 13588



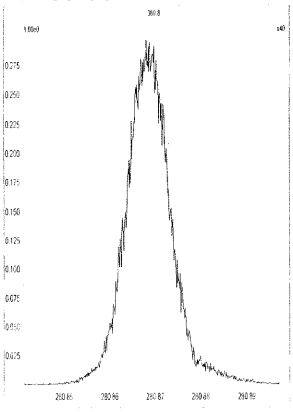
M 342.9792 R 13659



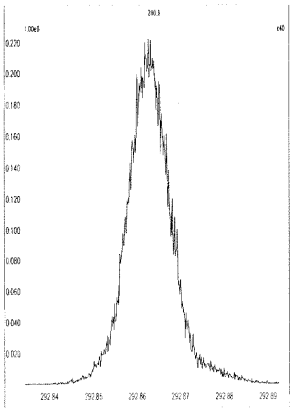
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 18:39:13 Central Standard Time

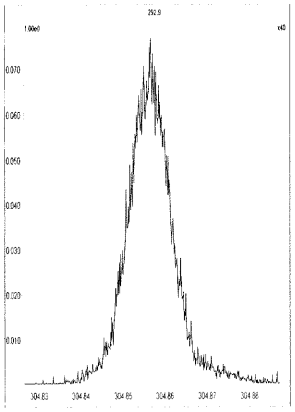
M 280.9824 R 11735



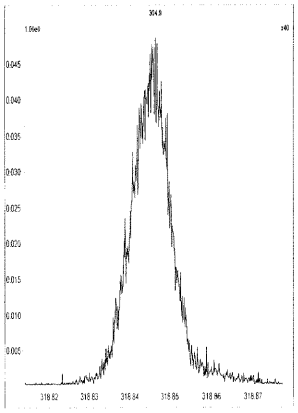
M 292.9824 R 12197



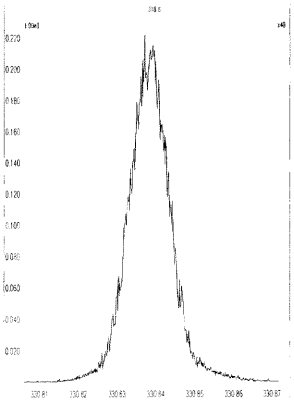
M 304.9824 R 12689



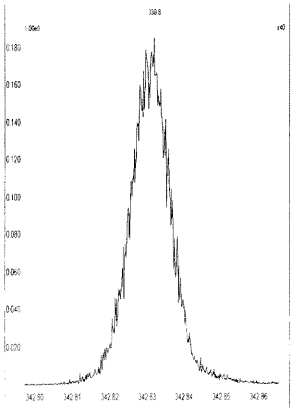
M 318.9792 R 13733



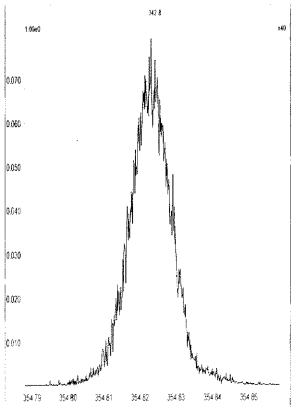
M 330.9792 R 13588



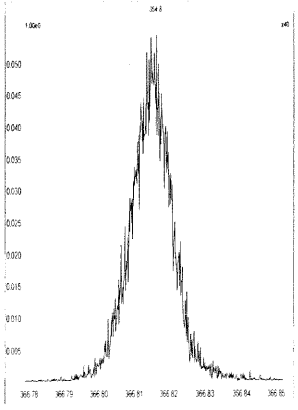
M 342.9792 R 13156



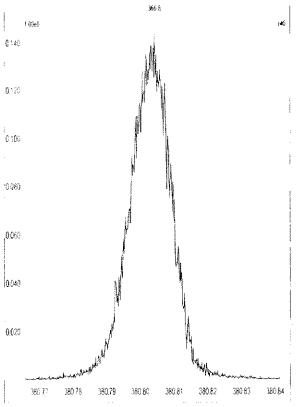
M 354.9792 R 12757



M 366.9792 R 13020



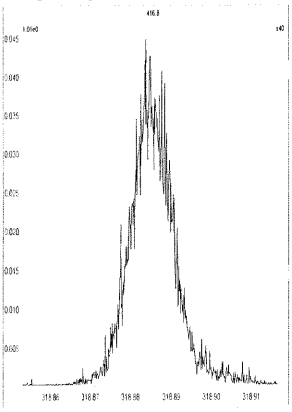
M 380.9760 R 13372



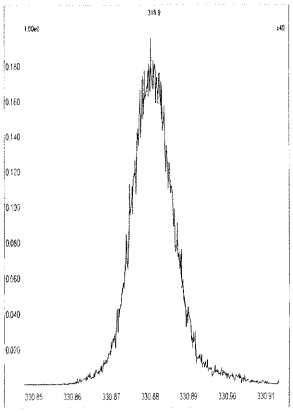
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 18:40:00 Central Standard Time

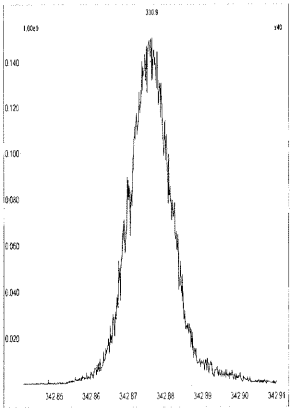
M 318.9792 R 12018



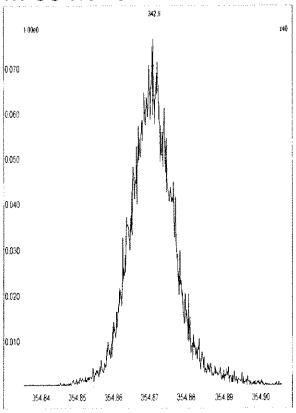
M 330.9792 R 12192



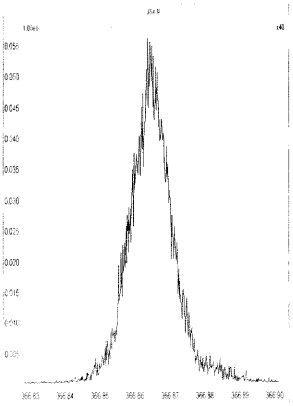
M 342.9792 R 12315



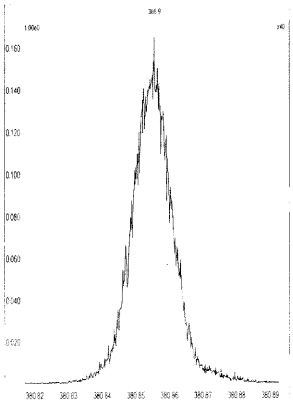
M 354.9792 R 12436



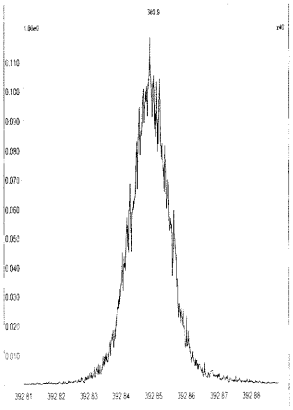
M 366.9792 R 12822



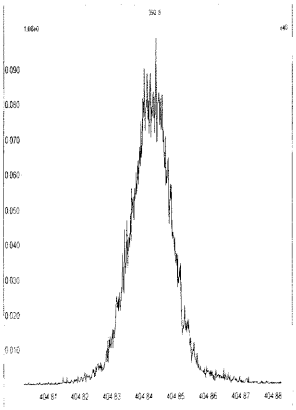
M 380.9760 R 13513



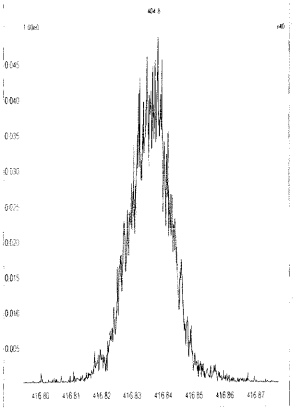
M 392.9760 R 13438



M 404.9760 R 12020



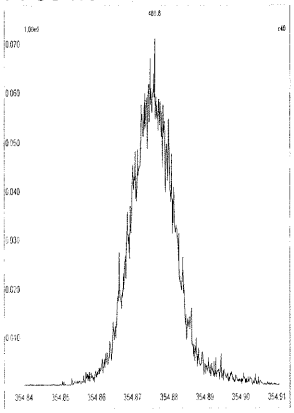
M 416.9760 R 14704



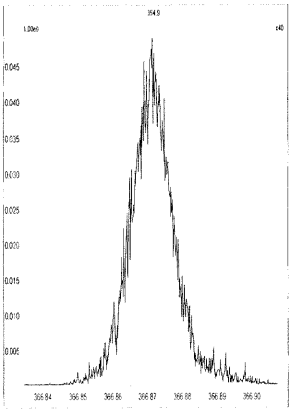
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 6 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 18:40:40 Central Standard Time

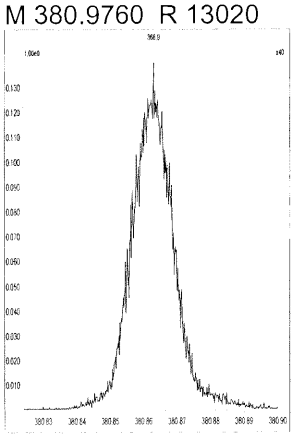
M 354.9792 R 12753



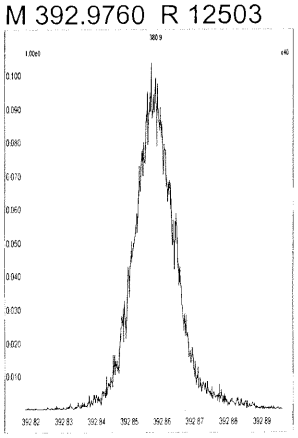
M 366.9792 R 12955



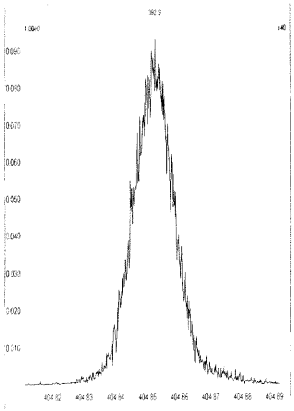
M 380.9760 R 13020



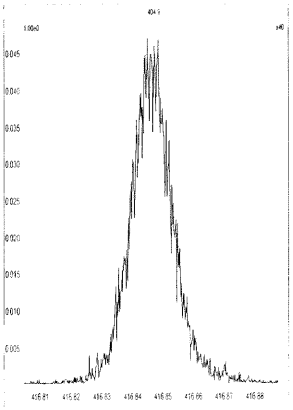
M 392.9760 R 12503



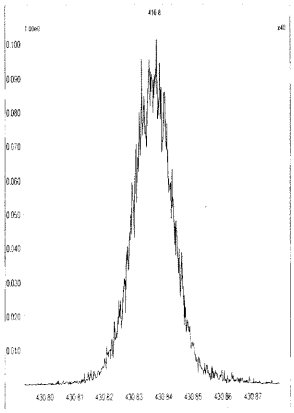
M 404.9760 R 12816



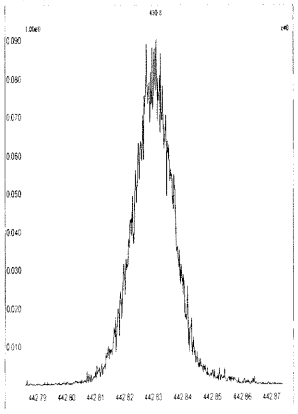
M 416.9760 R 11847



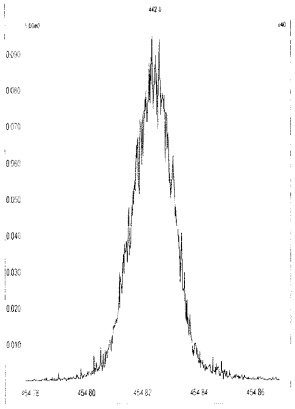
M 430.9728 R 13091



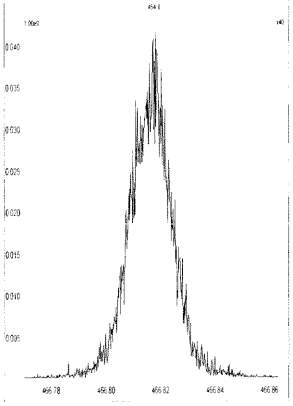
M 442.9728 R 12953



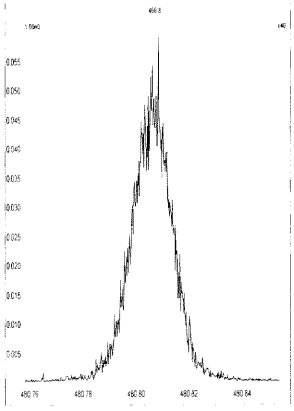
M 454.9728 R 12753



M 466.9728 R 12501



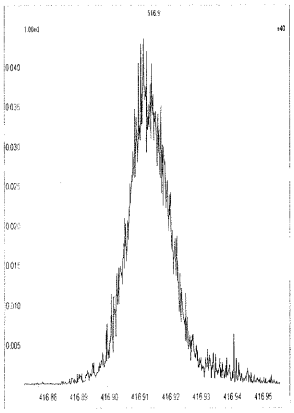
M 480.9696 R 14044



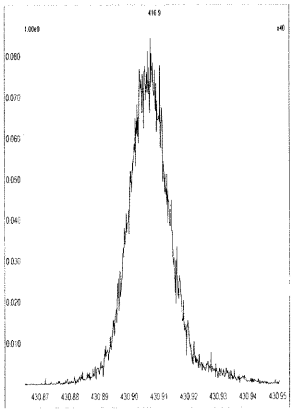
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 7 @ 200 (ppm)

Printed: Wednesday, November 23, 2011 18:41:23 Central Standard Time

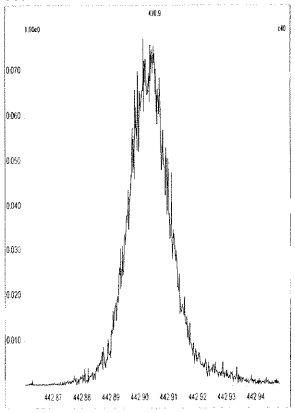
M 416.9760 R 11901



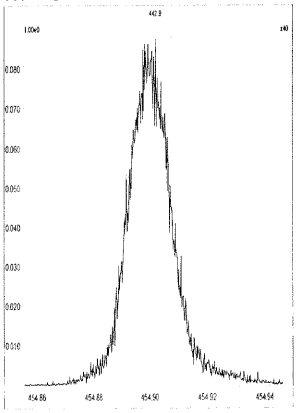
M 430.9728 R 12195



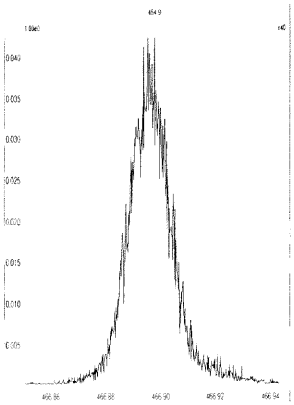
M 442.9728 R 11794



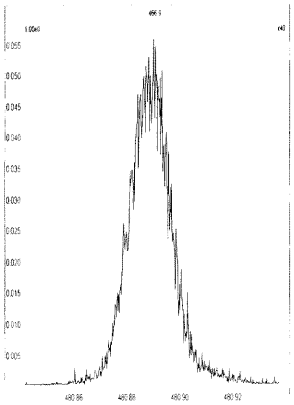
M 454.9728 R 12751



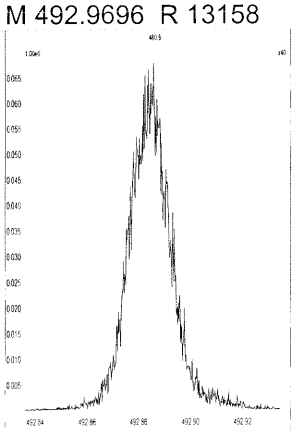
M 466.9728 R 13088



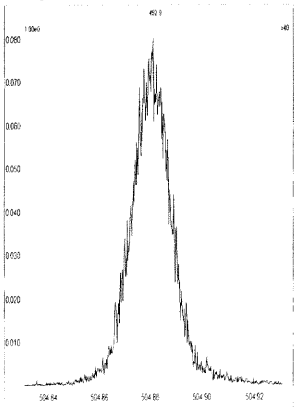
M 480.9696 R 11680



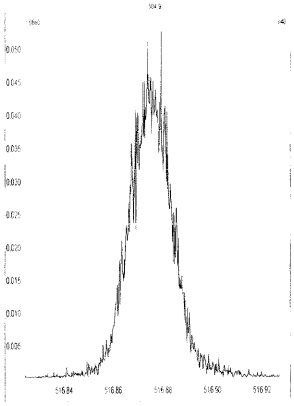
M 492.9696 R 13158



M 504.9696 R 13965



M 516.9697 R 12958



DCCS2091

METHOD 1668
DILUTED COMBINED 209 CONGENER SOLUTION (DCCS-209)

CLIENT ID:

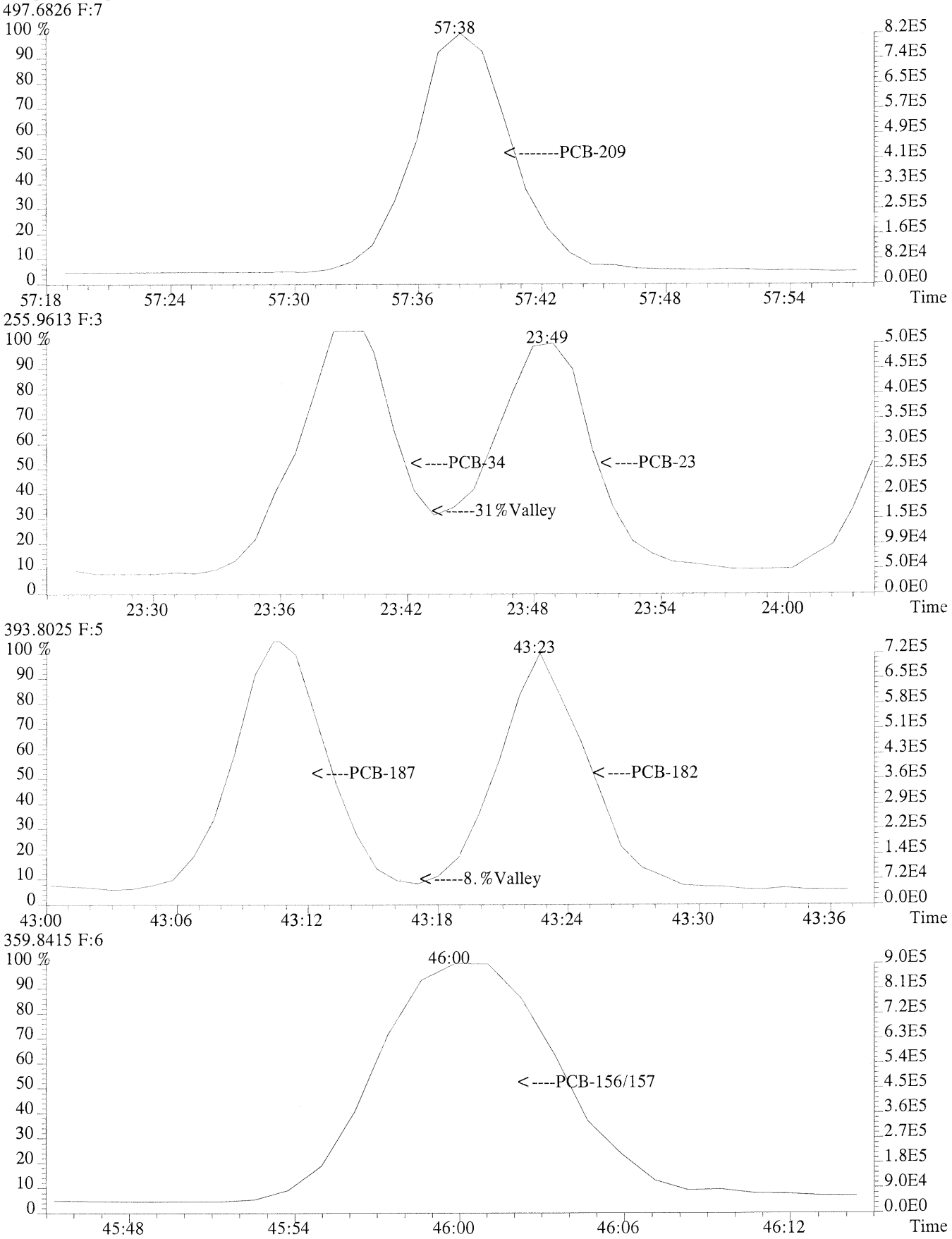
DCCS-209

Lab Name: COLUMBIA ANALYTICAL SERVICES
Lab Code: CAS Case No.: _____ SDG No.:
GC Column: SPB-Octyl ID: 0.25 (mm) Lab File ID: U142164
Date Analyzed: 23-NOV-2011
Time Analyzed: 06:11:02

Retention Time for PCB 209:	(>55 min)	57:38
% Valley between PCB 34 and PCB 23:	(<40%)	31
% Valley between PCB 187 and PCB 182:	(<40%)	8.
Seconds of coelution between PCB 156 and PCB 157:	(<2 sec)	0

Reference: Section 6.9.1.1 Method 1668

File:U142164 #1-310 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
DCCS-209

Run #8 Filename U142164 Samp: 1 Inj: 1 Acquired: 23-NOV-11 06:11:02
Processed: 6-DEC-11 13:09:29 Sample ID: B4-25-1

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.0712
2	1	PCB-2	15:26	4.564e+03	1.502e+03	3.04	y	n	1.0089
3	1	PCB-3	NotFnd	*	*	*	n	n	1.0363
4	1	PCB-4	NotFnd	*	*	*	n	n	1.1136
5	1	PCB-10	16:02	5.526e+03	3.494e+03	1.58	y	n	2.0380
6	2	PCB-9	17:54	3.079e+03	1.861e+03	1.65	y	n	1.1160
7	2	PCB-7	18:04	3.244e+03	2.003e+03	1.62	y	n	1.1854
8	2	PCB-6	18:19	3.439e+03	2.042e+03	1.68	y	n	1.2384
9	2	PCB-5	18:37	2.772e+03	1.745e+03	1.59	y	n	1.0207
10	2	PCB-8	18:46	3.511e+03	2.138e+03	1.64	y	n	1.2763
11	2	PCB-14	20:26	3.186e+03	2.203e+03	1.45	y	n	1.2177
12	2	PCB-11	21:17	2.852e+03	1.745e+03	1.63	y	n	1.0385
13	2	PCB-12/13	21:37	5.577e+03	3.195e+03	1.75	y	n	0.9909
14	2	PCB-15	NotFnd	*	*	*	n	n	0.9770
15	2	PCB-19	NotFnd	*	*	*	n	n	1.0009
16	2	PCB-18/30	20:56	5.495e+03	5.510e+03	1.00	y	n	1.4541
17	2	PCB-17	21:22	2.290e+03	2.296e+03	1.00	y	n	1.2118
18	2	PCB-27	21:36	3.313e+03	3.324e+03	1.00	y	n	1.7539
19	2	PCB-24	21:44	2.996e+03	2.960e+03	1.01	y	n	1.5739
20	2	PCB-16	21:51	1.840e+03	1.873e+03	0.98	y	n	0.9810
21	2	PCB-32	22:22	3.461e+03	3.496e+03	0.99	y	n	1.8385
22	3	PCB-34	23:40	2.687e+03	2.582e+03	1.04	y	n	1.3924
23	3	PCB-23	23:49	2.649e+03	2.705e+03	0.98	y	n	1.4150
24	3	PCB-26/29	24:08	5.709e+03	5.682e+03	1.00	y	n	1.5051
25	3	PCB-25	24:22	2.923e+03	2.846e+03	1.03	y	n	1.5246
26	3	PCB-31	24:41	2.804e+03	2.684e+03	1.04	y	n	1.4503
27	3	PCB-20/28	24:59	5.343e+03	4.994e+03	1.07	y	n	1.3658
28	3	PCB-21/33	25:10	5.957e+03	5.382e+03	1.11	y	n	1.4983
29	3	PCB-22	25:37	2.304e+03	2.310e+03	1.00	y	n	1.2192
30	3	PCB-36	27:12	2.339e+03	2.373e+03	0.99	y	n	1.2453
31	3	PCB-39	27:33	2.372e+03	2.298e+03	1.03	y	n	1.2349
32	3	PCB-38	28:09	2.458e+03	2.139e+03	1.15	y	n	1.2148
33	3	PCB-35	28:37	1.967e+03	1.968e+03	1.00	y	n	1.0401
34	3	PCB-37	NotFnd	*	*	*	n	n	1.0888
35	2	PCB-54	NotFnd	*	*	*	n	n	1.0020
36	3	PCB-50/53	24:24	8.221e+03	1.082e+04	0.76	y	n	1.3141
37	3	PCB-45/51	25:08	7.793e+03	1.056e+04	0.74	y	y	1.2667
38	3	PCB-46	25:22	3.396e+03	4.450e+03	0.76	y	n	1.0831
39	3	PCB-52	26:49	4.323e+03	5.681e+03	0.76	y	y	1.3811
40	3	PCB-43/73	26:58	9.199e+03	1.168e+04	0.79	y	y	1.4409
41	3	PCB-49/69	27:16	9.482e+03	1.238e+04	0.77	y	y	1.5092
42	3	PCB-48	27:35	4.112e+03	5.413e+03	0.76	y	y	1.3149
43	3	PCB-44/47/65	27:50	1.268e+04	1.693e+04	0.75	y	n	1.3628
44	3	PCB-59/62/75	28:09	1.545e+04	2.068e+04	0.75	y	n	1.6627
45	3	PCB-42	28:21	3.728e+03	5.090e+03	0.73	y	y	1.2173
46	3	PCB-40/41/71	28:50	1.163e+04	1.561e+04	0.74	y	y	1.2535
47	3	PCB-64	29:04	5.403e+03	7.045e+03	0.77	y	n	1.7184
48	3	PCB-72	29:54	5.201e+03	7.037e+03	0.74	y	n	1.6895
49	3	PCB-68	30:12	4.941e+03	6.506e+03	0.76	y	n	1.5809
50	3	PCB-57	30:37	4.742e+03	6.381e+03	0.74	y	n	1.5355

51	3	PCB-58	30:51	4.375e+03	6.064e+03	0.72	y	y	1.4411
52	3	PCB-67	31:02	4.589e+03	6.260e+03	0.73	y	y	1.4977
53	3	PCB-63	31:18	4.598e+03	6.266e+03	0.73	y	n	1.4998
54	3	PCB-61/70/74/76	31:38	1.821e+04	2.429e+04	0.75	y	y	1.4668
55	3	PCB-66	31:58	4.599e+03	6.154e+03	0.75	y	y	1.4844
56	3	PCB-55	32:08	4.328e+03	5.709e+03	0.76	y	y	1.3856
57	4	PCB-56	32:39	3.591e+03	4.452e+03	0.81	y	n	1.1103
58	4	PCB-60	32:52	3.682e+03	4.728e+03	0.78	y	n	1.1609
59	4	PCB-80	33:17	3.991e+03	5.049e+03	0.79	y	n	1.2480
60	4	PCB-79	34:49	3.824e+03	5.019e+03	0.76	y	n	1.2208
61	4	PCB-78	35:23	3.166e+03	4.495e+03	0.70	y	n	1.0576
62	4	PCB-81	NotFnd	*	*	*	n	n	1.0336
63	4	PCB-77	NotFnd	*	*	*	n	n	0.9953
64	3	PCB-104	NotFnd	*	*	*	n	n	1.0300
65	3	PCB-96	28:08	7.040e+03	4.514e+03	1.56	y	n	1.6482
66	3	PCB-103	30:05	5.858e+03	3.683e+03	1.59	y	y	1.3609
67	3	PCB-94	30:19	4.692e+03	2.986e+03	1.57	y	y	1.0953
68	3	PCB-95	30:45	5.360e+03	3.407e+03	1.57	y	n	1.2506
69	3	PCB-93/100	30:58	9.830e+03	6.397e+03	1.54	y	n	1.1574
70	3	PCB-98/102	31:07	1.018e+04	6.326e+03	1.61	y	y	1.1775
71	3	PCB-88/91	31:31	9.982e+03	6.449e+03	1.55	y	y	1.1720
72	3	PCB-84	31:51	4.386e+03	2.697e+03	1.63	y	n	1.0103
73	3	PCB-89	32:19	4.776e+03	2.984e+03	1.60	y	n	1.1070
74	4	PCB-121	32:45	6.541e+03	4.202e+03	1.56	y	n	1.5325
75	4	PCB-92	33:08	5.090e+03	3.119e+03	1.63	y	n	1.1709
76	4	PCB-90/101/113	33:41	1.620e+04	1.024e+04	1.58	y	n	1.2574
77	4	PCB-83/99	34:18	9.319e+03	5.922e+03	1.57	y	y	1.0871
78	4	PCB-112	34:25	6.365e+03	4.150e+03	1.53	y	y	1.5000
79	4	PCB-86/87/97/109/119/125	34:47	3.262e+04	2.092e+04	1.56	y	y	1.2728
80	4	PCB-117	35:27	4.829e+03	3.048e+03	1.58	y	y	1.1237
81	4	PCB-85/116	35:31	1.168e+04	7.532e+03	1.55	y	y	1.3702
82	4	PCB-110/115	35:46	1.216e+04	7.855e+03	1.55	y	y	1.4278
83	4	PCB-82	36:00	4.194e+03	2.577e+03	1.63	y	n	0.9659
84	4	PCB-111	36:25	5.957e+03	3.748e+03	1.59	y	n	1.3844
85	4	PCB-120	36:53	6.018e+03	3.941e+03	1.53	y	n	1.4207
86	5	PCB-108/124	38:01	8.715e+03	5.706e+03	1.53	y	n	1.0286
87	5	PCB-107	38:16	4.444e+03	2.968e+03	1.50	y	n	1.0573
88	5	PCB-123	NotFnd	*	*	*	n	n	1.0180
89	5	PCB-106	38:30	4.593e+03	3.005e+03	1.53	y	n	1.0839
90	5	PCB-118	NotFnd	*	*	*	n	n	0.9968
91	5	PCB-122	39:03	4.192e+03	2.615e+03	1.60	y	n	0.9710
92	5	PCB-114	NotFnd	*	*	*	n	n	0.9914
93	5	PCB-105	NotFnd	*	*	*	n	n	1.0109
94	5	PCB-127	41:23	3.876e+03	2.524e+03	1.54	y	n	0.9130
95	5	PCB-126	NotFnd	*	*	*	n	n	0.9601
96	4	PCB-155	NotFnd	*	*	*	n	n	0.9884
97	4	PCB-152	33:40	6.139e+03	5.281e+03	1.16	y	n	2.1031
98	4	PCB-150	33:51	5.996e+03	4.893e+03	1.23	y	n	2.0054
99	4	PCB-136	34:12	6.075e+03	5.065e+03	1.20	y	n	2.0517
100	4	PCB-145	34:30	5.562e+03	4.698e+03	1.18	y	n	1.8895
101	4	PCB-148	36:01	4.469e+03	3.686e+03	1.21	y	n	1.5021
102	4	PCB-135/151	36:37	8.395e+03	7.078e+03	1.19	y	n	1.4249
103	4	PCB-154	36:52	4.849e+03	4.214e+03	1.15	y	n	1.6691
104	4	PCB-144	37:11	4.443e+03	3.724e+03	1.19	y	n	1.5042
105	5	PCB-147/149	37:32	8.322e+03	6.682e+03	1.25	y	n	1.3817
106	5	PCB-134	37:45	3.504e+03	2.833e+03	1.24	y	n	1.1672
107	5	PCB-143	37:50	4.021e+03	3.266e+03	1.23	y	n	1.3421

108	5	PCB-139/140	38:09	8.198e+03	6.630e+03	1.24	y	n	1.3655
109	5	PCB-131	38:20	3.597e+03	2.906e+03	1.24	y	n	1.1977
110	5	PCB-142	38:30	3.728e+03	3.084e+03	1.21	y	n	1.2546
111	5	PCB-132	38:49	3.411e+03	2.792e+03	1.22	y	n	1.1426
112	5	PCB-133	39:19	3.853e+03	3.063e+03	1.26	y	n	1.2737
113	5	PCB-165	39:43	4.496e+03	3.641e+03	1.23	y	n	1.4985
114	5	PCB-146	39:57	4.115e+03	3.306e+03	1.24	y	n	1.3667
115	5	PCB-161	40:06	5.160e+03	4.047e+03	1.28	y	n	1.6956
116	5	PCB-153/168	40:36	9.190e+03	7.531e+03	1.22	y	n	1.5398
117	5	PCB-141	40:46	3.715e+03	3.062e+03	1.21	y	n	1.2482
118	5	PCB-130	41:10	3.289e+03	2.622e+03	1.25	y	n	1.0886
119	5	PCB-137	41:24	3.379e+03	2.911e+03	1.16	y	n	1.1585
120	5	PCB-164	41:31	4.551e+03	3.747e+03	1.21	y	n	1.5283
121	5	PCB-129/138/163	41:51	1.171e+04	9.353e+03	1.25	y	n	1.2929
122	5	PCB-160	41:59	4.426e+03	3.633e+03	1.22	y	n	1.4842
123	5	PCB-158	42:13	4.822e+03	4.038e+03	1.19	y	n	1.6318
124	5	PCB-128/166	43:04	7.577e+03	6.326e+03	1.20	y	n	1.2803
125	6	PCB-159	44:05	2.915e+03	2.338e+03	1.25	y	n	0.9674
126	6	PCB-162	44:22	2.619e+03	2.353e+03	1.11	y	n	0.9158
127	6	PCB-167	NotFnd	*	*	*	n	n	1.0081
128	6	PCB-156/157	NotFnd	*	*	*	n	n	1.0060
129	6	PCB-169	NotFnd	*	*	*	n	n	0.9915
130	5	PCB-188	NotFnd	*	*	*	n	n	0.9902
131	5	PCB-179	39:33	5.272e+03	5.136e+03	1.03	y	n	1.5354
132	5	PCB-184	40:05	5.202e+03	5.133e+03	1.01	y	n	1.5248
133	5	PCB-176	40:26	5.008e+03	4.954e+03	1.01	y	n	1.4697
134	5	PCB-186	40:53	4.787e+03	4.657e+03	1.03	y	n	1.3933
135	5	PCB-178	42:16	3.534e+03	3.523e+03	1.00	y	n	1.0454
136	5	PCB-175	42:55	3.788e+03	3.703e+03	1.02	y	n	1.1091
137	5	PCB-187	43:10	3.869e+03	3.772e+03	1.03	y	n	1.1273
138	5	PCB-182	43:23	3.535e+03	3.495e+03	1.01	y	n	1.0372
139	6	PCB-183	43:48	2.763e+03	2.800e+03	0.99	y	n	0.8207
140	6	PCB-185	43:54	2.063e+03	2.056e+03	1.00	y	n	0.6075
141	6	PCB-174	44:02	2.440e+03	2.416e+03	1.01	y	n	0.7164
142	6	PCB-177	44:29	2.245e+03	2.279e+03	0.99	y	n	0.6673
143	6	PCB-181	44:52	2.274e+03	2.171e+03	1.05	y	n	0.6558
144	6	PCB-171/173	45:05	4.259e+03	4.294e+03	0.99	y	n	0.6309
145	6	PCB-172	46:43	2.048e+03	2.071e+03	0.99	y	n	0.6077
146	6	PCB-192	47:00	2.450e+03	2.542e+03	0.96	y	n	0.7365
147	6	PCB-180/193	47:21	4.941e+03	4.944e+03	1.00	y	n	0.7291
148	6	PCB-191	47:44	2.858e+03	2.712e+03	1.05	y	n	0.8216
149	6	PCB-170	48:39	1.937e+03	1.962e+03	0.99	y	n	0.5752
150	6	PCB-190	49:10	2.510e+03	2.581e+03	0.97	y	y	0.7511
151	6	PCB-189	NotFnd	*	*	*	n	n	0.8632
152	6	PCB-202	NotFnd	*	*	*	n	n	0.8674
153	6	PCB-201	45:31	4.891e+03	5.576e+03	0.88	y	n	1.3907
154	6	PCB-204	46:12	4.578e+03	5.523e+03	0.83	y	n	1.3421
155	6	PCB-197	46:25	4.067e+03	4.926e+03	0.83	y	n	1.1949
156	6	PCB-200	46:31	4.994e+03	5.754e+03	0.87	y	n	1.4280
157	6	PCB-198/199	49:19	6.050e+03	7.107e+03	0.85	y	n	0.8740
158	6	PCB-196	50:00	3.115e+03	3.674e+03	0.85	y	n	0.9020
159	6	PCB-203	50:12	3.176e+03	3.752e+03	0.85	y	n	0.9205
160	6	PCB-195	51:31	2.819e+03	3.277e+03	0.86	y	n	0.8101
161	6	PCB-194	53:50	2.824e+03	3.381e+03	0.84	y	n	0.8244
162	6	PCB-205	NotFnd	*	*	*	n	n	0.8885
163	6	PCB-208	NotFnd	*	*	*	n	n	0.8804
164	6	PCB-207	52:11	3.151e+03	4.056e+03	0.78	y	n	1.2497

165	7	PCB-206	NotFnd	*	*	*	n	n	0.9310
166	7	PCB-209	NotFnd	*	*	*	n	n	0.8938
167	1	PCB-1L	13:20	1.838e+04	6.189e+03	2.97	y	n	1.2197
168	1	PCB-3L	15:36	1.806e+04	5.479e+03	3.30	y	n	1.1732
169	1	PCB-4L	15:50	1.079e+04	7.111e+03	1.52	y	n	0.8031
170	2	PCB-15L	21:54	1.068e+04	6.823e+03	1.57	y	n	0.9620
171	2	PCB-19L	19:02	7.721e+03	7.344e+03	1.05	y	n	0.6361
172	3	PCB-37L	29:01	7.626e+03	7.582e+03	1.01	y	n	1.1440
173	2	PCB-54L	22:09	7.807e+03	9.605e+03	0.81	y	n	1.1399
174	4	PCB-81L	35:47	5.722e+03	7.208e+03	0.79	y	n	0.9468
175	4	PCB-77L	36:22	5.790e+03	7.330e+03	0.79	y	n	0.9489
176	3	PCB-104L	27:45	1.199e+04	7.561e+03	1.59	y	n	1.3966
177	5	PCB-123L	38:21	7.460e+03	4.793e+03	1.56	y	n	1.0295
178	5	PCB-118L	38:41	7.415e+03	4.966e+03	1.49	y	n	1.0766
179	5	PCB-114L	39:13	7.330e+03	4.560e+03	1.61	y	n	1.0747
180	5	PCB-105L	39:51	6.978e+03	4.310e+03	1.62	y	n	1.0133
181	5	PCB-126L	42:58	6.024e+03	3.869e+03	1.56	y	n	0.8978
182	4	PCB-155L	33:27	1.158e+04	9.252e+03	1.25	y	n	1.6371
183	6	PCB-167L	44:50	5.012e+03	4.036e+03	1.24	y	n	0.8820
184	6	PCB-156/157L	45:59	9.498e+03	7.483e+03	1.27	y	n	0.8178
185	6	PCB-169L	49:14	4.096e+03	3.343e+03	1.23	y	n	0.7164
186	5	PCB-188L	39:11	9.476e+03	8.980e+03	1.06	y	n	2.3576
187	6	PCB-189L	51:44	4.401e+03	4.257e+03	1.03	y	n	1.3072
188	6	PCB-202L	44:34	5.732e+03	6.543e+03	0.88	y	n	1.8043
189	6	PCB-205L	54:18	3.678e+03	4.118e+03	0.89	y	n	1.3631
190	6	PCB-208L	51:14	4.009e+03	4.922e+03	0.81	y	n	1.3370
191	7	PCB-206L	56:01	2.899e+03	3.548e+03	0.82	y	n	0.9978
192	7	PCB-209L	57:37	4.249e+03	3.483e+03	1.22	y	n	1.5625
193	3	PCB-28L	NotFnd	*	*	*	n	n	1.3869
194	4	PCB-111L	NotFnd	*	*	*	n	n	1.2384
195	5	PCB-178L	NotFnd	*	*	*	n	n	0.9527
196	2	PCB-9L	NotFnd	*	*	*	n	n	-
197	3	PCB-52L	NotFnd	*	*	*	n	n	-
198	4	PCB-101L	NotFnd	*	*	*	n	n	-
199	5	PCB-138L	NotFnd	*	*	*	n	n	-
200	6	PCB-194L	NotFnd	*	*	*	n	n	-

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Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
DCCS-209

Run #8 Filename U142164#1 Samp: 1 Inj: 1 Acquired: 23-NOV-11 06:11:02

Processed: 6-DEC-11 13:09:29 LAB. ID: B4-25-1

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.39e+03	*	*	1.10e+03	*
2	PCB-2	8.44e+05	1.39e+03	6.1e+02	2.77e+05	1.10e+03	2.5e+02
3	PCB-3	*	1.39e+03	*	*	1.10e+03	*
4	PCB-4	*	1.78e+03	*	*	1.42e+04	*
5	PCB-10	1.15e+06	1.78e+03	6.5e+02	7.43e+05	1.42e+04	5.2e+01
6	PCB-9	6.31e+05	3.62e+03	1.7e+02	3.85e+05	2.41e+04	1.6e+01
7	PCB-7	6.18e+05	3.62e+03	1.7e+02	3.88e+05	2.41e+04	1.6e+01
8	PCB-6	6.08e+05	3.62e+03	1.7e+02	3.88e+05	2.41e+04	1.6e+01
9	PCB-5	5.28e+05	3.62e+03	1.5e+02	3.46e+05	2.41e+04	1.4e+01
10	PCB-8	6.00e+05	3.62e+03	1.7e+02	3.96e+05	2.41e+04	1.6e+01
11	PCB-14	5.41e+05	3.62e+03	1.5e+02	3.64e+05	2.41e+04	1.5e+01
12	PCB-11	4.30e+05	3.62e+03	1.2e+02	2.80e+05	2.41e+04	1.2e+01
13	PCB-12/13	7.20e+05	3.62e+03	2.0e+02	4.48e+05	2.41e+04	1.9e+01
14	PCB-15	*	3.62e+03	*	*	2.41e+04	*
15	PCB-19	*	1.03e+03	*	*	1.07e+03	*
16	PCB-18/30	9.56e+05	1.03e+03	9.3e+02	9.34e+05	1.07e+03	8.7e+02
17	PCB-17	4.35e+05	1.03e+03	4.2e+02	4.40e+05	1.07e+03	4.1e+02
18	PCB-27	6.45e+05	1.03e+03	6.3e+02	6.17e+05	1.07e+03	5.8e+02
19	PCB-24	5.64e+05	1.03e+03	5.5e+02	5.56e+05	1.07e+03	5.2e+02
20	PCB-16	3.49e+05	1.03e+03	3.4e+02	3.58e+05	1.07e+03	3.4e+02
21	PCB-32	6.14e+05	1.03e+03	6.0e+02	6.35e+05	1.07e+03	5.9e+02
22	PCB-34	4.70e+05	2.99e+04	1.6e+01	4.51e+05	3.69e+04	1.2e+01
23	PCB-23	4.24e+05	2.99e+04	1.4e+01	4.33e+05	3.69e+04	1.2e+01
24	PCB-26/29	8.34e+05	2.99e+04	2.8e+01	8.22e+05	3.69e+04	2.2e+01
25	PCB-25	4.55e+05	2.99e+04	1.5e+01	4.44e+05	3.69e+04	1.2e+01
26	PCB-31	4.67e+05	2.99e+04	1.6e+01	4.53e+05	3.69e+04	1.2e+01
27	PCB-20/28	8.14e+05	2.99e+04	2.7e+01	7.86e+05	3.69e+04	2.1e+01
28	PCB-21/33	5.90e+05	2.99e+04	2.0e+01	5.62e+05	3.69e+04	1.5e+01
29	PCB-22	3.88e+05	2.99e+04	1.3e+01	3.79e+05	3.69e+04	1.0e+01
30	PCB-36	4.14e+05	2.99e+04	1.4e+01	3.98e+05	3.69e+04	1.1e+01
31	PCB-39	4.01e+05	2.99e+04	1.3e+01	3.95e+05	3.69e+04	1.1e+01
32	PCB-38	4.15e+05	2.99e+04	1.4e+01	3.50e+05	3.69e+04	9.5e+00
33	PCB-35	3.53e+05	2.99e+04	1.2e+01	3.41e+05	3.69e+04	9.2e+00
34	PCB-37	*	2.99e+04	*	*	3.69e+04	*
35	PCB-54	*	1.13e+03	*	*	9.56e+02	*
36	PCB-50/53	1.25e+06	2.83e+03	4.4e+02	1.64e+06	2.28e+03	7.2e+02
37	PCB-45/51	7.64e+05	2.83e+03	2.7e+02	1.00e+06	2.28e+03	4.4e+02
38	PCB-46	5.64e+05	2.83e+03	2.0e+02	7.57e+05	2.28e+03	3.3e+02
39	PCB-52	7.42e+05	2.83e+03	2.6e+02	9.65e+05	2.28e+03	4.2e+02
40	PCB-43/73	1.04e+06	2.83e+03	3.7e+02	1.30e+06	2.28e+03	5.7e+02
41	PCB-49/69	1.22e+06	2.83e+03	4.3e+02	1.58e+06	2.28e+03	6.9e+02
42	PCB-48	6.81e+05	2.83e+03	2.4e+02	9.00e+05	2.28e+03	3.9e+02
43	PCB-44/47/65	1.78e+06	2.83e+03	6.3e+02	2.41e+06	2.28e+03	1.1e+03
44	PCB-59/62/75	1.95e+06	2.83e+03	6.9e+02	2.59e+06	2.28e+03	1.1e+03
45	PCB-42	6.39e+05	2.83e+03	2.3e+02	8.72e+05	2.28e+03	3.8e+02
46	PCB-40/41/71	1.37e+06	2.83e+03	4.8e+02	1.79e+06	2.28e+03	7.9e+02
47	PCB-64	9.25e+05	2.83e+03	3.3e+02	1.20e+06	2.28e+03	5.3e+02

Run #8 Filename U142164#1 Samp: 1 Acquired: 23-NOV-11 06:11:02

48	PCB-72	9.15e+05	2.83e+03	3.2e+02	1.24e+06	2.28e+03	5.4e+02
49	PCB-68	8.71e+05	2.83e+03	3.1e+02	1.11e+06	2.28e+03	4.9e+02
50	PCB-57	8.64e+05	2.83e+03	3.1e+02	1.15e+06	2.28e+03	5.1e+02
51	PCB-58	7.59e+05	2.83e+03	2.7e+02	1.07e+06	2.28e+03	4.7e+02
52	PCB-67	7.86e+05	2.83e+03	2.8e+02	1.10e+06	2.28e+03	4.8e+02
53	PCB-63	8.13e+05	2.83e+03	2.9e+02	1.13e+06	2.28e+03	5.0e+02
54	PCB-61/70/74/76	1.77e+06	2.83e+03	6.3e+02	2.37e+06	2.28e+03	1.0e+03
55	PCB-66	8.11e+05	2.83e+03	2.9e+02	1.07e+06	2.28e+03	4.7e+02
56	PCB-55	7.24e+05	2.83e+03	2.6e+02	9.79e+05	2.28e+03	4.3e+02
57	PCB-56	6.29e+05	2.29e+04	2.8e+01	7.98e+05	2.43e+04	3.3e+01
58	PCB-60	6.39e+05	2.29e+04	2.8e+01	8.11e+05	2.43e+04	3.3e+01
59	PCB-80	7.18e+05	2.29e+04	3.1e+01	8.96e+05	2.43e+04	3.7e+01
60	PCB-79	6.25e+05	2.29e+04	2.7e+01	8.10e+05	2.43e+04	3.3e+01
61	PCB-78	5.56e+05	2.29e+04	2.4e+01	7.07e+05	2.43e+04	2.9e+01
62	PCB-81	*	2.29e+04	*	*	2.43e+04	*
63	PCB-77	*	2.29e+04	*	*	2.43e+04	*
64	PCB-104	*	9.48e+02	*	*	8.00e+02	*
65	PCB-96	1.21e+06	9.48e+02	1.3e+03	7.83e+05	8.00e+02	9.8e+02
66	PCB-103	1.03e+06	9.48e+02	1.1e+03	6.41e+05	8.00e+02	8.0e+02
67	PCB-94	8.48e+05	9.48e+02	8.9e+02	5.25e+05	8.00e+02	6.6e+02
68	PCB-95	9.73e+05	9.48e+02	1.0e+03	6.22e+05	8.00e+02	7.8e+02
69	PCB-93/100	1.74e+06	9.48e+02	1.8e+03	1.11e+06	8.00e+02	1.4e+03
70	PCB-98/102	1.10e+06	9.48e+02	1.2e+03	6.79e+05	8.00e+02	8.5e+02
71	PCB-88/91	9.14e+05	9.48e+02	9.6e+02	5.97e+05	8.00e+02	7.5e+02
72	PCB-84	7.71e+05	9.48e+02	8.1e+02	4.60e+05	8.00e+02	5.7e+02
73	PCB-89	8.45e+05	9.48e+02	8.9e+02	5.28e+05	8.00e+02	6.6e+02
74	PCB-121	1.21e+06	9.44e+03	1.3e+02	7.86e+05	8.11e+03	9.7e+01
75	PCB-92	9.21e+05	9.44e+03	9.8e+01	5.63e+05	8.11e+03	6.9e+01
76	PCB-90/101/113	2.01e+06	9.44e+03	2.1e+02	1.31e+06	8.11e+03	1.6e+02
77	PCB-83/99	9.67e+05	9.44e+03	1.0e+02	6.14e+05	8.11e+03	7.6e+01
78	PCB-112	1.12e+06	9.44e+03	1.2e+02	7.12e+05	8.11e+03	8.8e+01
79	CB-86/87/97/109/119/125	3.36e+06	9.44e+03	3.6e+02	2.20e+06	8.11e+03	2.7e+02
80	PCB-117	1.16e+06	9.44e+03	1.2e+02	7.46e+05	8.11e+03	9.2e+01
81	PCB-85/116	1.93e+06	9.44e+03	2.0e+02	1.24e+06	8.11e+03	1.5e+02
82	PCB-110/115	1.22e+06	9.44e+03	1.3e+02	7.69e+05	8.11e+03	9.5e+01
83	PCB-82	7.30e+05	9.44e+03	7.7e+01	4.46e+05	8.11e+03	5.5e+01
84	PCB-111	1.09e+06	9.44e+03	1.2e+02	6.83e+05	8.11e+03	8.4e+01
85	PCB-120	1.07e+06	9.44e+03	1.1e+02	6.89e+05	8.11e+03	8.5e+01
86	PCB-108/124	1.51e+06	2.76e+04	5.5e+01	9.87e+05	1.78e+04	5.6e+01
87	PCB-107	7.64e+05	2.76e+04	2.8e+01	4.89e+05	1.78e+04	2.8e+01
88	PCB-123	*	2.76e+04	*	*	1.78e+04	*
89	PCB-106	7.96e+05	2.76e+04	2.9e+01	5.18e+05	1.78e+04	2.9e+01
90	PCB-118	*	2.76e+04	*	*	1.78e+04	*
91	PCB-122	7.18e+05	2.76e+04	2.6e+01	4.48e+05	1.78e+04	2.5e+01
92	PCB-114	*	2.76e+04	*	*	1.78e+04	*
93	PCB-105	*	2.76e+04	*	*	1.78e+04	*
94	PCB-127	6.38e+05	2.76e+04	2.3e+01	4.17e+05	1.78e+04	2.3e+01
95	PCB-126	*	2.76e+04	*	*	1.78e+04	*
96	PCB-155	*	2.59e+03	*	*	3.45e+03	*
97	PCB-152	1.08e+06	2.59e+03	4.2e+02	9.24e+05	3.45e+03	2.7e+02
98	PCB-150	1.08e+06	2.59e+03	4.2e+02	8.67e+05	3.45e+03	2.5e+02
99	PCB-136	1.10e+06	2.59e+03	4.2e+02	9.07e+05	3.45e+03	2.6e+02
100	PCB-145	9.83e+05	2.59e+03	3.8e+02	8.71e+05	3.45e+03	2.5e+02
101	PCB-148	8.13e+05	2.59e+03	3.1e+02	6.57e+05	3.45e+03	1.9e+02
102	PCB-135/151	9.02e+05	2.59e+03	3.5e+02	7.59e+05	3.45e+03	2.2e+02
103	PCB-154	8.85e+05	2.59e+03	3.4e+02	7.61e+05	3.45e+03	2.2e+02
104	PCB-144	7.91e+05	2.59e+03	3.1e+02	6.91e+05	3.45e+03	2.0e+02

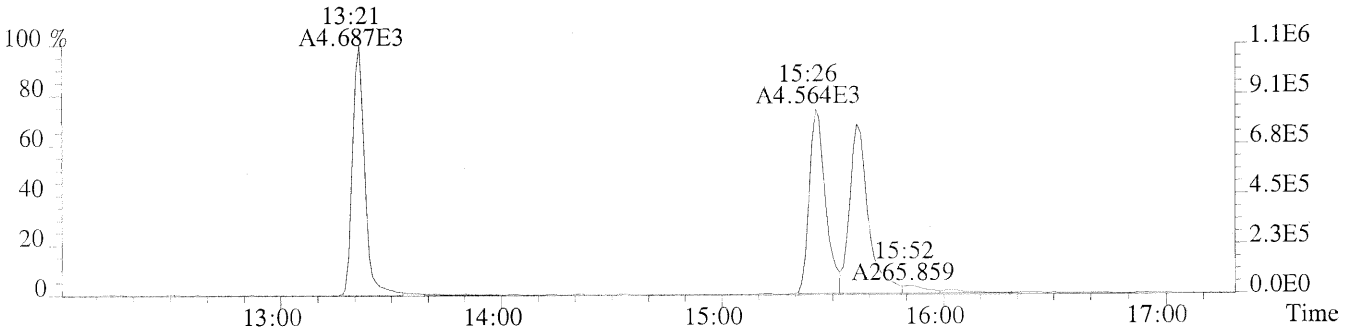
Run #8 Filename U142164#1 Samp: 1 Acquired: 23-NOV-11 06:11:02

PCB-147/149	1.48e+06	1.27e+04	1.2e+02	1.19e+06	1.18e+04	1.0e+02
PCB-134	6.17e+05	1.27e+04	4.9e+01	5.14e+05	1.18e+04	4.3e+01
PCB-143	7.41e+05	1.27e+04	5.8e+01	6.04e+05	1.18e+04	5.1e+01
PCB-139/140	1.34e+06	1.27e+04	1.1e+02	1.09e+06	1.18e+04	9.2e+01
PCB-131	6.56e+05	1.27e+04	5.2e+01	5.20e+05	1.18e+04	4.4e+01
PCB-142	6.70e+05	1.27e+04	5.3e+01	5.47e+05	1.18e+04	4.6e+01
PCB-132	5.79e+05	1.27e+04	4.6e+01	4.70e+05	1.18e+04	4.0e+01
PCB-133	6.89e+05	1.27e+04	5.4e+01	5.61e+05	1.18e+04	4.7e+01
PCB-165	8.03e+05	1.27e+04	6.3e+01	6.51e+05	1.18e+04	5.5e+01
PCB-146	6.92e+05	1.27e+04	5.5e+01	5.72e+05	1.18e+04	4.8e+01
PCB-161	9.23e+05	1.27e+04	7.3e+01	7.43e+05	1.18e+04	6.3e+01
PCB-153/168	1.24e+06	1.27e+04	9.8e+01	1.04e+06	1.18e+04	8.8e+01
PCB-141	6.31e+05	1.27e+04	5.0e+01	5.16e+05	1.18e+04	4.4e+01
PCB-130	5.72e+05	1.27e+04	4.5e+01	4.61e+05	1.18e+04	3.9e+01
PCB-137	6.17e+05	1.27e+04	4.9e+01	5.22e+05	1.18e+04	4.4e+01
PCB-164	7.81e+05	1.27e+04	6.2e+01	6.33e+05	1.18e+04	5.4e+01
PCB-129/138/163	1.65e+06	1.27e+04	1.3e+02	1.28e+06	1.18e+04	1.1e+02
PCB-160	7.81e+05	1.27e+04	6.2e+01	6.36e+05	1.18e+04	5.4e+01
PCB-158	7.97e+05	1.27e+04	6.3e+01	6.74e+05	1.18e+04	5.7e+01
PCB-128/166	1.15e+06	1.27e+04	9.0e+01	9.66e+05	1.18e+04	8.2e+01
PCB-159	6.15e+05	2.39e+04	2.6e+01	4.88e+05	1.91e+04	2.6e+01
PCB-162	5.53e+05	2.39e+04	2.3e+01	4.71e+05	1.91e+04	2.5e+01
PCB-167	*	2.39e+04	*	*	1.91e+04	*
PCB-156/157	*	2.39e+04	*	*	1.91e+04	*
PCB-169	*	2.39e+04	*	*	1.91e+04	*
PCB-188	*	9.36e+02	*	*	7.68e+02	*
PCB-179	9.12e+05	9.36e+02	9.7e+02	8.75e+05	7.68e+02	1.1e+03
PCB-184	9.39e+05	9.36e+02	1.0e+03	9.15e+05	7.68e+02	1.2e+03
PCB-176	8.58e+05	9.36e+02	9.2e+02	8.53e+05	7.68e+02	1.1e+03
PCB-186	8.69e+05	9.36e+02	9.3e+02	8.28e+05	7.68e+02	1.1e+03
PCB-178	5.98e+05	9.36e+02	6.4e+02	6.23e+05	7.68e+02	8.1e+02
PCB-175	6.81e+05	9.36e+02	7.3e+02	6.43e+05	7.68e+02	8.4e+02
PCB-187	6.80e+05	9.36e+02	7.3e+02	6.55e+05	7.68e+02	8.5e+02
PCB-182	6.05e+05	9.36e+02	6.5e+02	6.00e+05	7.68e+02	7.8e+02
PCB-183	5.82e+05	7.33e+03	7.9e+01	5.94e+05	8.88e+03	6.7e+01
PCB-185	5.20e+05	7.33e+03	7.1e+01	5.23e+05	8.88e+03	5.9e+01
PCB-174	4.97e+05	7.33e+03	6.8e+01	5.00e+05	8.88e+03	5.6e+01
PCB-177	4.71e+05	7.33e+03	6.4e+01	4.72e+05	8.88e+03	5.3e+01
PCB-181	4.84e+05	7.33e+03	6.6e+01	4.57e+05	8.88e+03	5.1e+01
PCB-171/173	8.02e+05	7.33e+03	1.1e+02	8.18e+05	8.88e+03	9.2e+01
PCB-172	4.31e+05	7.33e+03	5.9e+01	4.35e+05	8.88e+03	4.9e+01
PCB-192	5.12e+05	7.33e+03	7.0e+01	5.42e+05	8.88e+03	6.1e+01
PCB-180/193	7.24e+05	7.33e+03	9.9e+01	7.27e+05	8.88e+03	8.2e+01
PCB-191	6.03e+05	7.33e+03	8.2e+01	5.73e+05	8.88e+03	6.5e+01
PCB-170	3.80e+05	7.33e+03	5.2e+01	3.95e+05	8.88e+03	4.4e+01
PCB-190	5.27e+05	7.33e+03	7.2e+01	5.44e+05	8.88e+03	6.1e+01
PCB-189	*	7.33e+03	*	*	8.88e+03	*
PCB-202	*	1.67e+03	*	*	1.16e+03	*
PCB-201	1.05e+06	1.67e+03	6.3e+02	1.21e+06	1.16e+03	1.0e+03
PCB-204	9.45e+05	1.67e+03	5.6e+02	1.15e+06	1.16e+03	9.9e+02
PCB-197	9.52e+05	1.67e+03	5.7e+02	1.13e+06	1.16e+03	9.8e+02
PCB-200	1.00e+06	1.67e+03	6.0e+02	1.17e+06	1.16e+03	1.0e+03
PCB-198/199	9.49e+05	1.67e+03	5.7e+02	1.09e+06	1.16e+03	9.4e+02
PCB-196	6.32e+05	1.67e+03	3.8e+02	7.58e+05	1.16e+03	6.6e+02
PCB-203	6.35e+05	1.67e+03	3.8e+02	7.65e+05	1.16e+03	6.6e+02
PCB-195	5.68e+05	1.67e+03	3.4e+02	6.60e+05	1.16e+03	5.7e+02
PCB-194	5.63e+05	1.67e+03	3.4e+02	6.54e+05	1.16e+03	5.7e+02
PCB-205	*	1.67e+03	*	*	1.16e+03	*

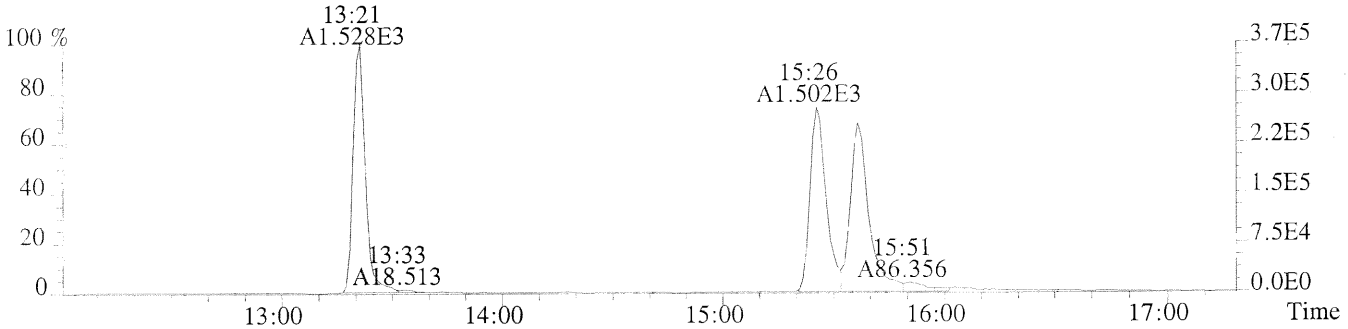
163	PCB-208	*	8.64e+02	*	*	8.84e+02	*
164	PCB-207	6.30e+05	8.64e+02	7.3e+02	8.15e+05	8.84e+02	9.2e+02
165	PCB-206	*	1.09e+03	*	*	7.20e+02	*
166	PCB-209	*	9.52e+02	*	*	7.88e+02	*
167	PCB-1L	4.51e+06	1.42e+03	3.2e+03	1.48e+06	9.29e+03	1.6e+02
168	PCB-3L	2.93e+06	1.42e+03	2.1e+03	9.54e+05	9.29e+03	1.0e+02
169	PCB-4L	2.21e+06	1.44e+03	1.5e+03	1.48e+06	1.40e+03	1.1e+03
170	PCB-15L	1.53e+06	4.46e+03	3.4e+02	9.74e+05	5.12e+03	1.9e+02
171	PCB-19L	1.56e+06	1.35e+04	1.2e+02	1.49e+06	8.37e+03	1.8e+02
172	PCB-37L	1.17e+06	1.22e+04	9.5e+01	1.16e+06	9.50e+03	1.2e+02
173	PCB-54L	1.53e+06	1.85e+03	8.3e+02	1.92e+06	8.80e+02	2.2e+03
174	PCB-81L	8.81e+05	1.43e+03	6.2e+02	1.13e+06	1.92e+03	5.9e+02
175	PCB-77L	8.68e+05	1.43e+03	6.1e+02	1.09e+06	1.92e+03	5.7e+02
176	PCB-104L	2.12e+06	7.52e+02	2.8e+03	1.34e+06	8.28e+02	1.6e+03
177	PCB-123L	1.31e+06	1.13e+04	1.2e+02	8.28e+05	8.00e+03	1.0e+02
178	PCB-118L	1.29e+06	1.13e+04	1.1e+02	8.54e+05	8.00e+03	1.1e+02
179	PCB-114L	1.29e+06	1.13e+04	1.1e+02	7.68e+05	8.00e+03	9.6e+01
180	PCB-105L	1.13e+06	1.13e+04	1.0e+02	6.97e+05	8.00e+03	8.7e+01
181	PCB-126L	9.10e+05	1.13e+04	8.0e+01	5.83e+05	8.00e+03	7.3e+01
182	PCB-155L	2.14e+06	1.05e+03	2.0e+03	1.70e+06	1.11e+03	1.5e+03
183	PCB-167L	1.00e+06	1.96e+03	5.1e+02	7.89e+05	1.30e+03	6.1e+02
184	PCB-156/157L	1.49e+06	1.96e+03	7.6e+02	1.17e+06	1.30e+03	9.0e+02
185	PCB-169L	7.42e+05	1.96e+03	3.8e+02	5.97e+05	1.30e+03	4.6e+02
186	PCB-188L	1.70e+06	1.30e+03	1.3e+03	1.63e+06	8.28e+02	2.0e+03
187	PCB-189L	8.55e+05	8.68e+02	9.8e+02	8.38e+05	6.92e+02	1.2e+03
188	PCB-202L	1.22e+06	1.14e+03	1.1e+03	1.39e+06	9.04e+02	1.5e+03
189	PCB-205L	7.47e+05	1.14e+03	6.6e+02	8.09e+05	9.04e+02	9.0e+02
190	PCB-208L	8.19e+05	7.68e+02	1.1e+03	1.01e+06	7.96e+02	1.3e+03
191	PCB-206L	5.11e+05	1.14e+03	4.5e+02	6.45e+05	1.16e+03	5.6e+02
192	PCB-209L	7.59e+05	8.16e+02	9.3e+02	6.31e+05	5.40e+02	1.2e+03
193	PCB-28L	*	1.22e+04	*	*	9.50e+03	*
194	PCB-111L	*	1.38e+03	*	*	6.84e+02	*
195	PCB-178L	*	1.30e+03	*	*	8.28e+02	*
196	PCB-9L	*	4.46e+03	*	*	5.12e+03	*
197	PCB-52L	*	1.72e+03	*	*	7.88e+02	*
198	PCB-101L	*	1.38e+03	*	*	6.84e+02	*
199	PCB-138L	*	4.72e+02	*	*	8.24e+02	*
200	PCB-194L	*	1.14e+03	*	*	9.04e+02	*

File:U142164 #1-341 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

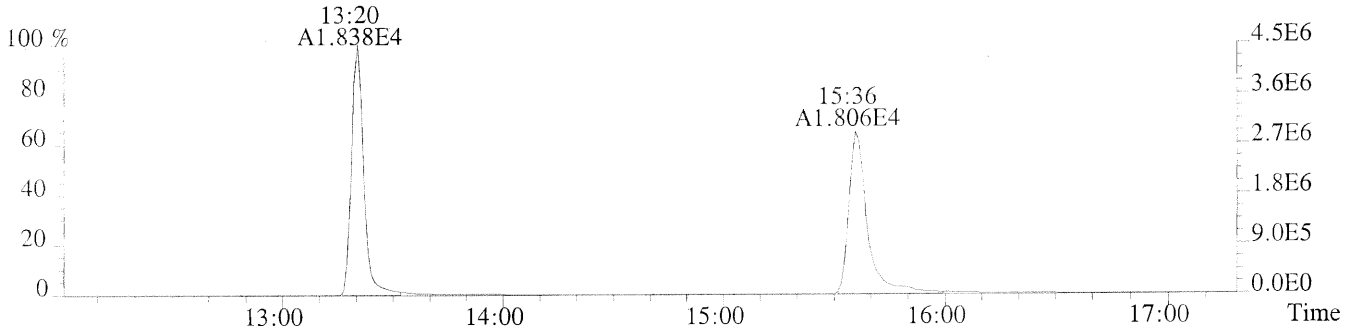
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1388.0,1.00%,F,T)



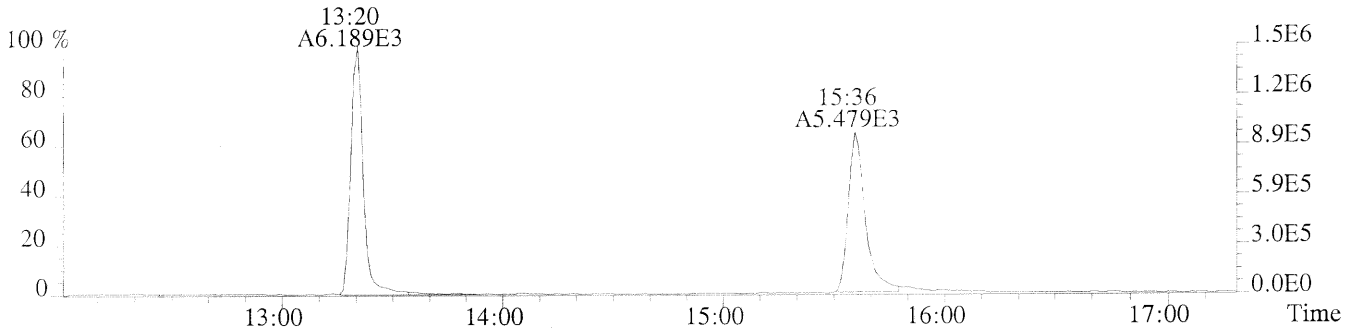
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)



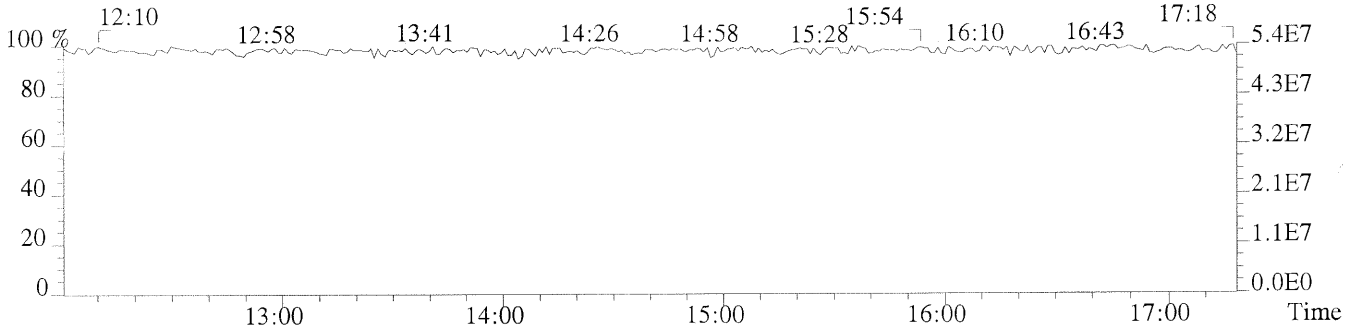
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1420.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9288.0,1.00%,F,T)

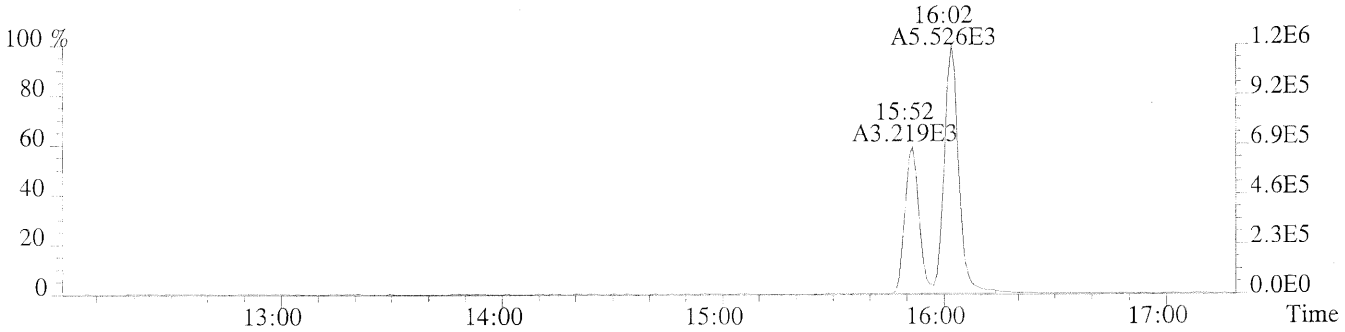


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

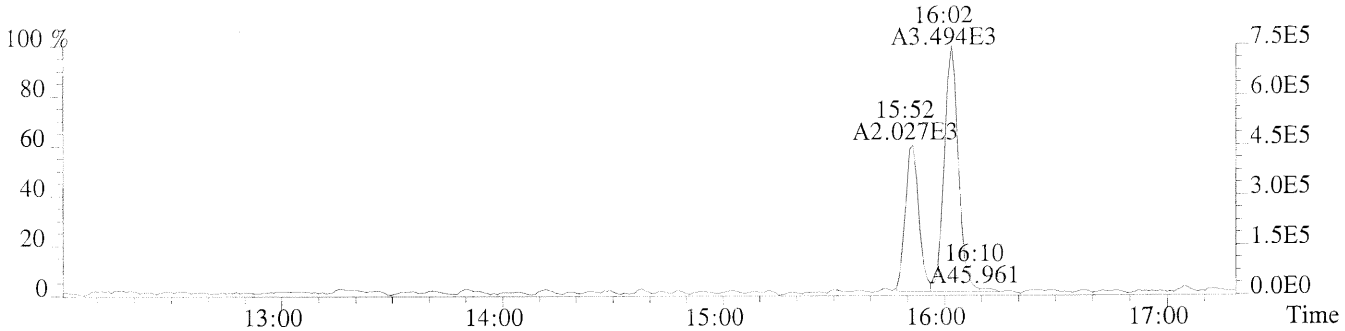


File:U142164 #1-341 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

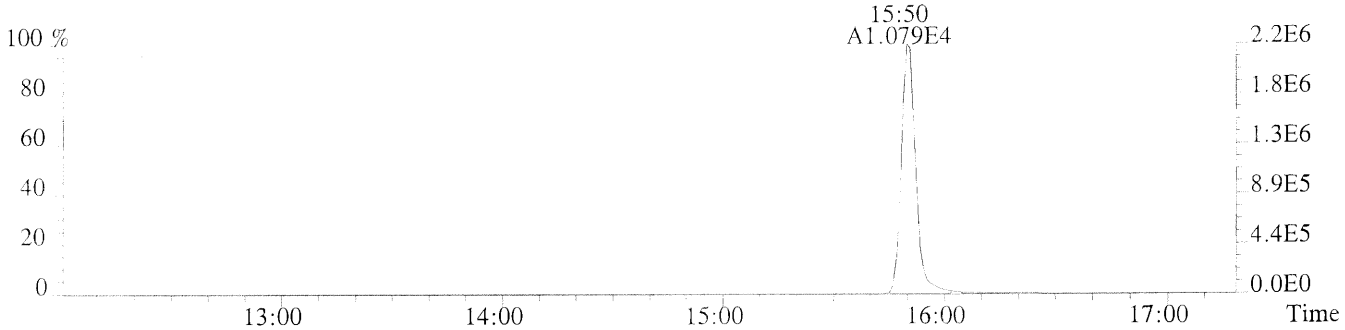
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1780.0,1.00%,F,T)



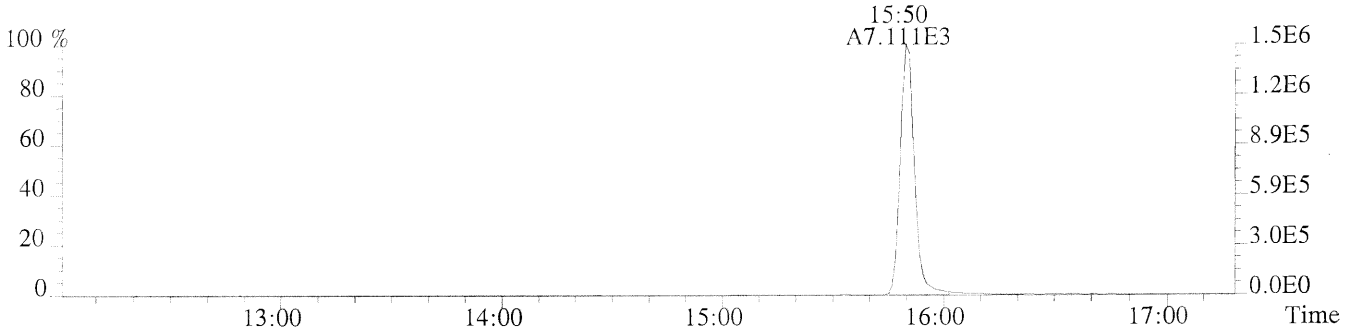
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,14244.0,1.00%,F,T)



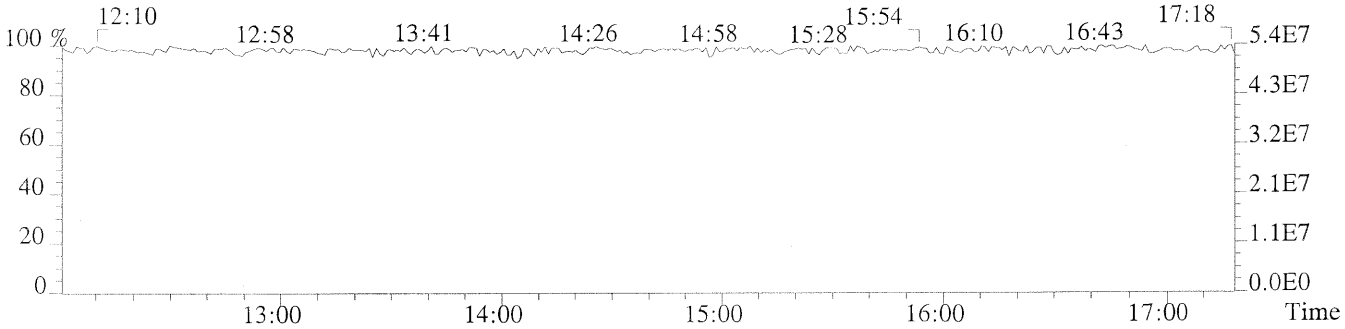
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1444.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1404.0,1.00%,F,T)

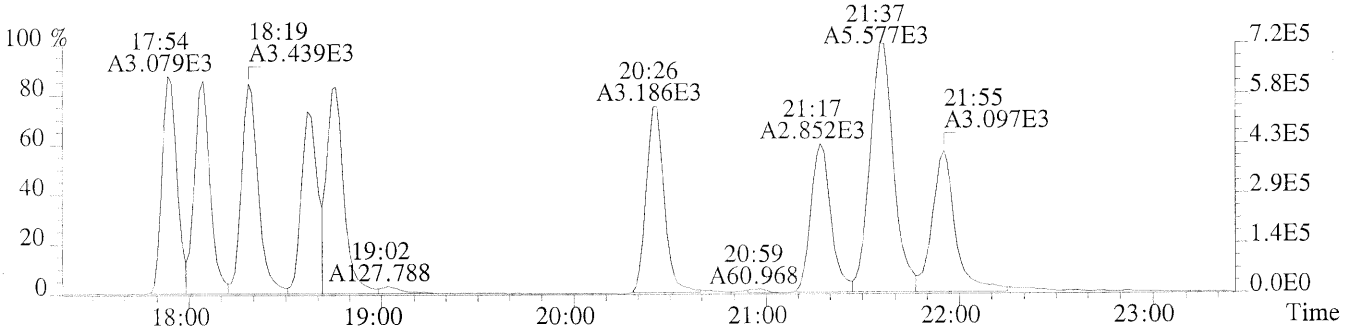


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

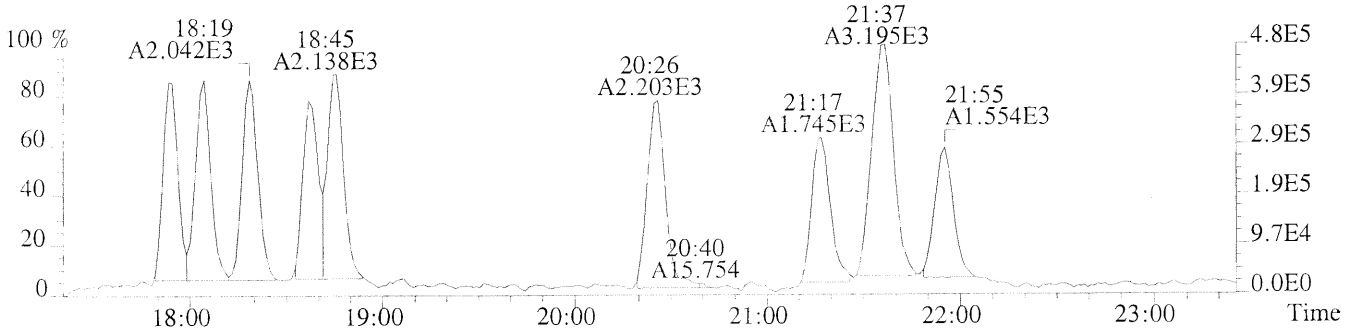


File:U142164 #1-336 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

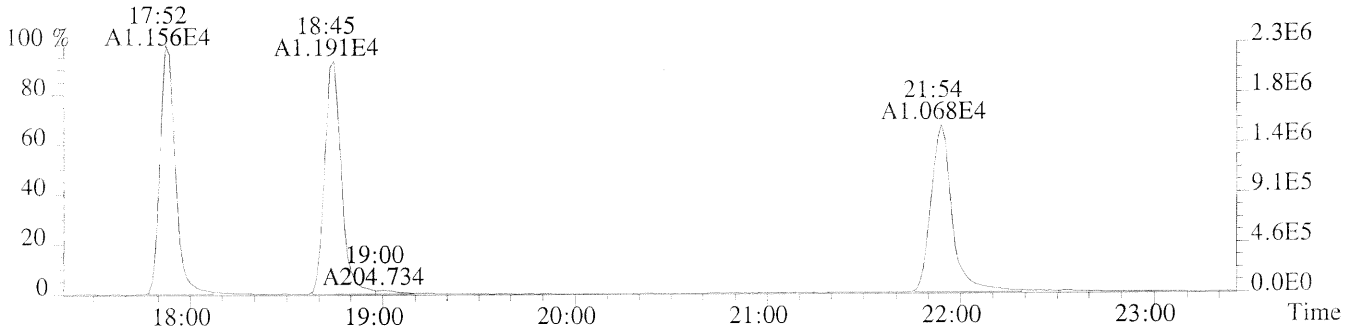
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3620.0,1.00%,F,T)



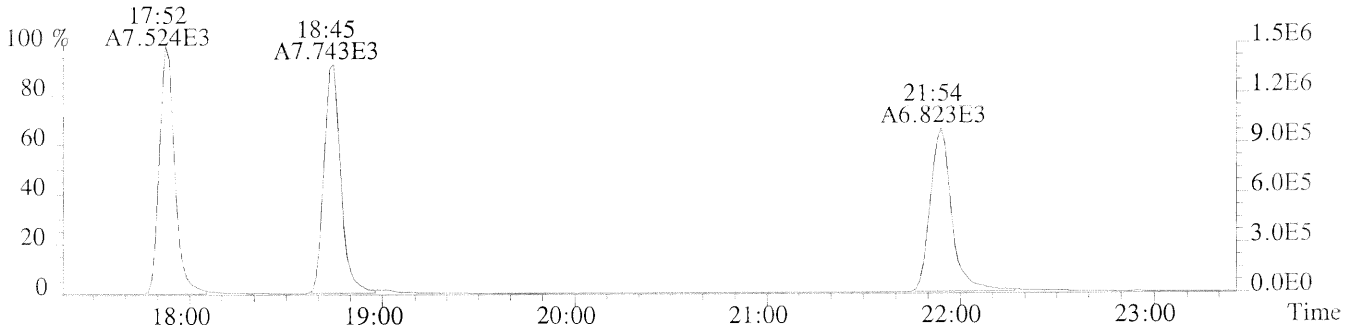
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,24108.0,1.00%,F,T)



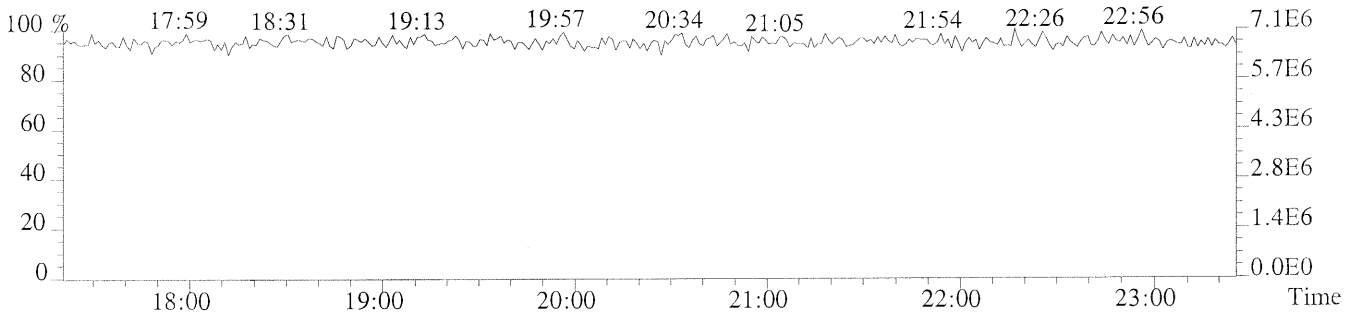
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4456.0,1.00%,F,T)



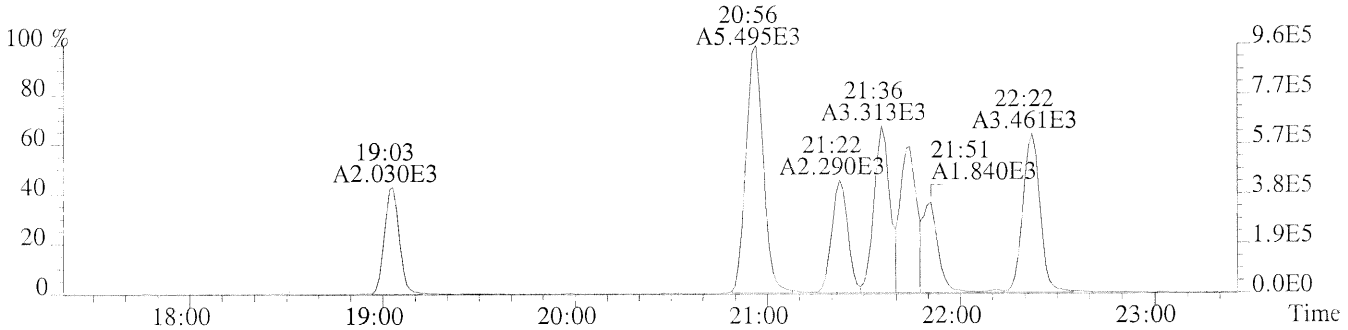
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5120.0,1.00%,F,T)



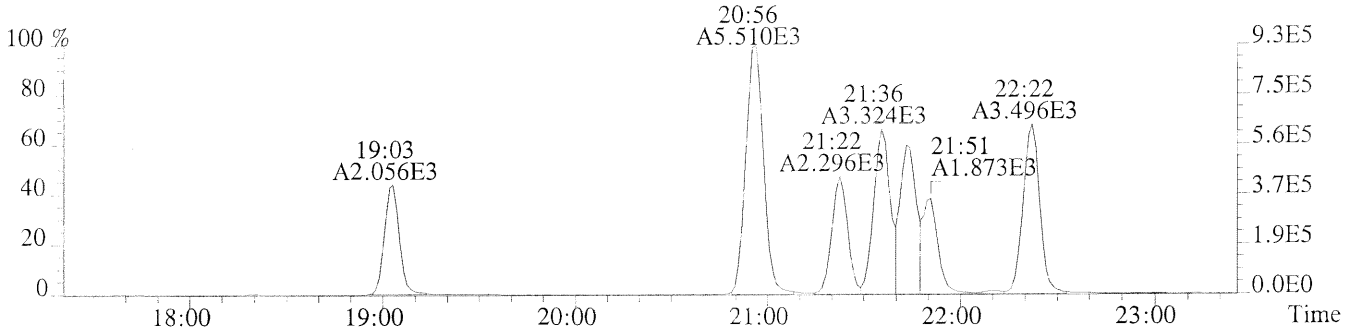
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



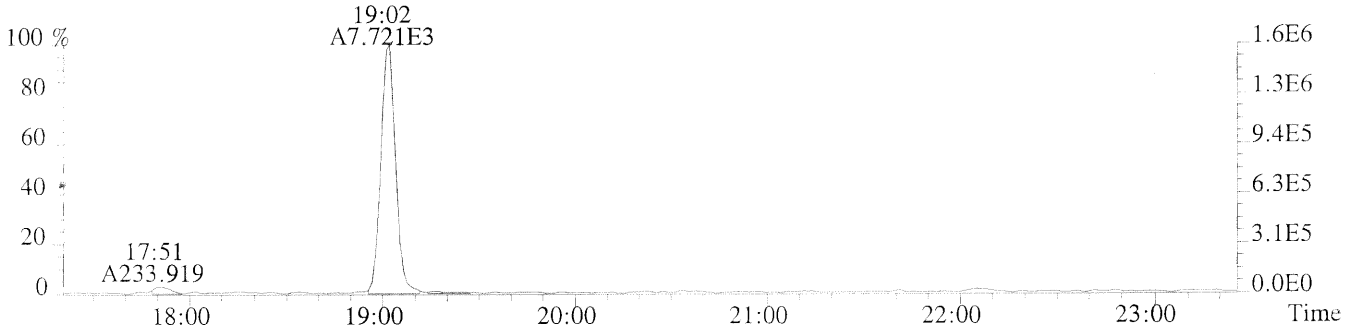
File:U142164 #1-336 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1028.0,1.00%,F,T)



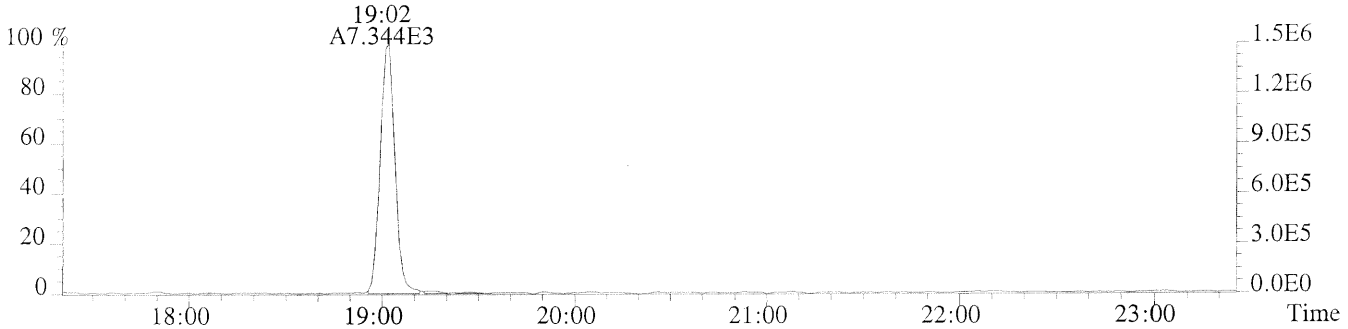
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1068.0,1.00%,F,T)



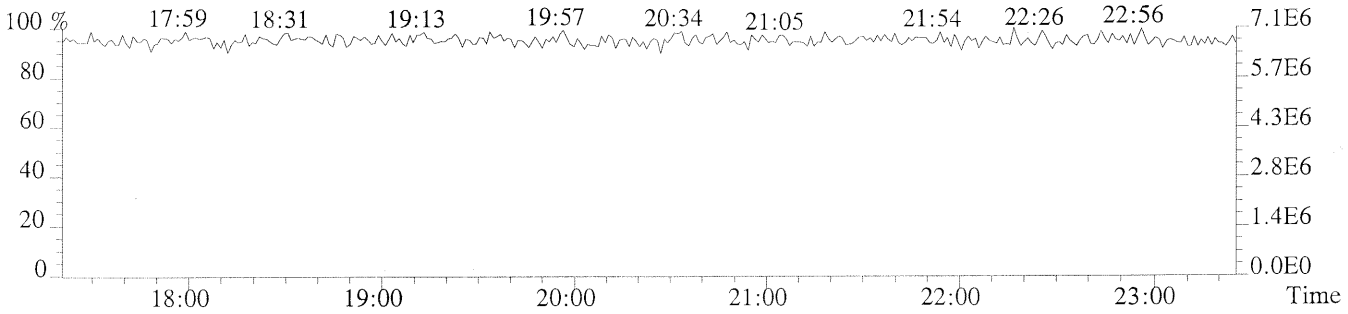
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13484.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8368.0,1.00%,F,T)

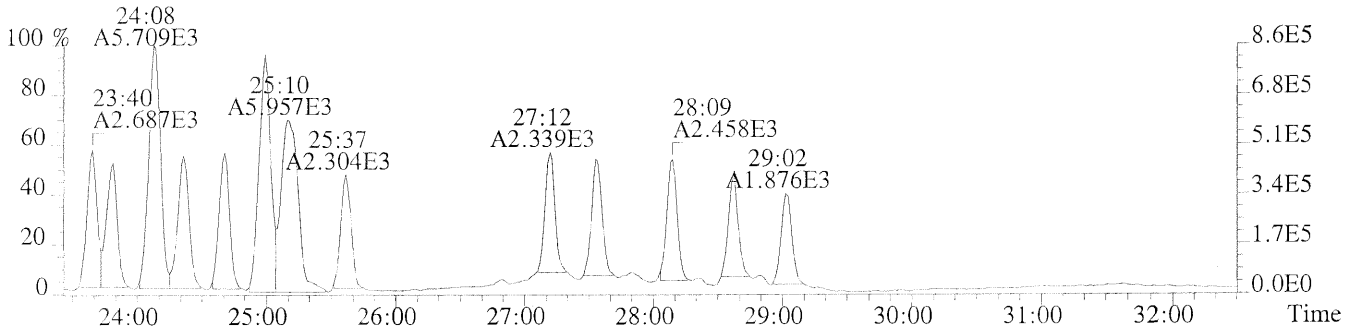


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

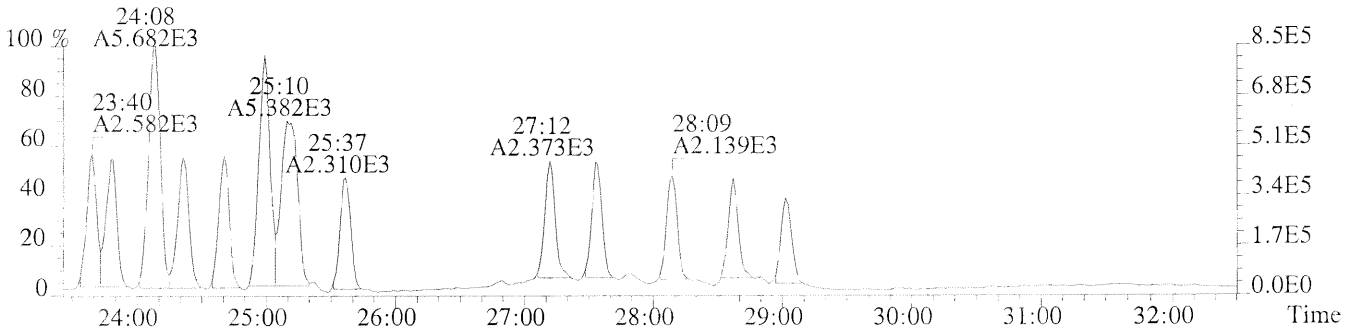


File:U142164 #1-580 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

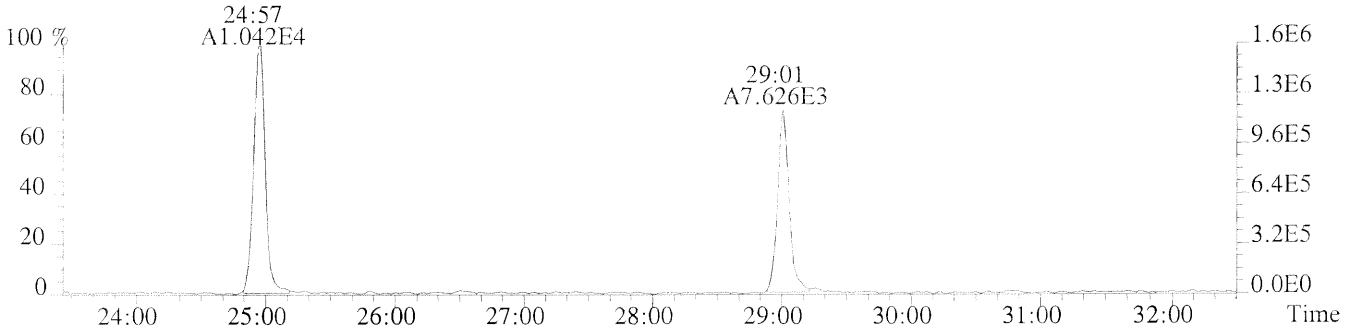
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,29936.0,1.00%,F,T)



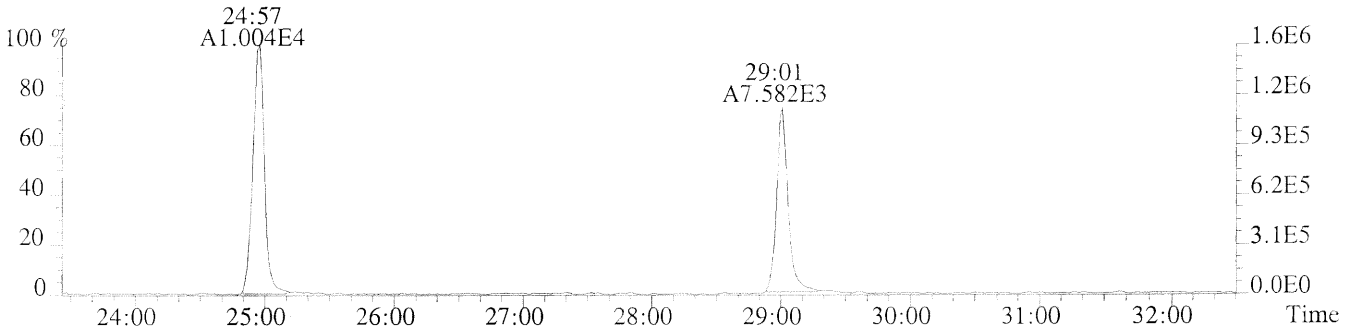
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,36912.0,1.00%,F,T)



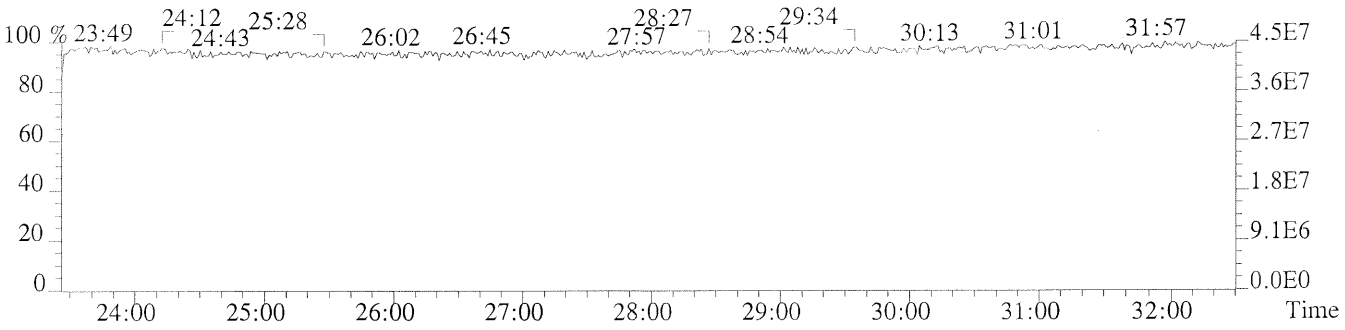
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12240.0,1.00%,F,T)



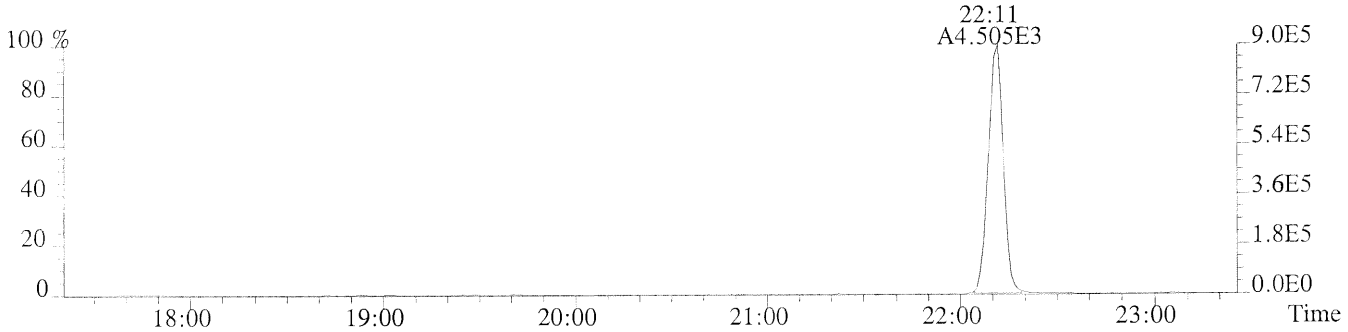
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9496.0,1.00%,F,T)



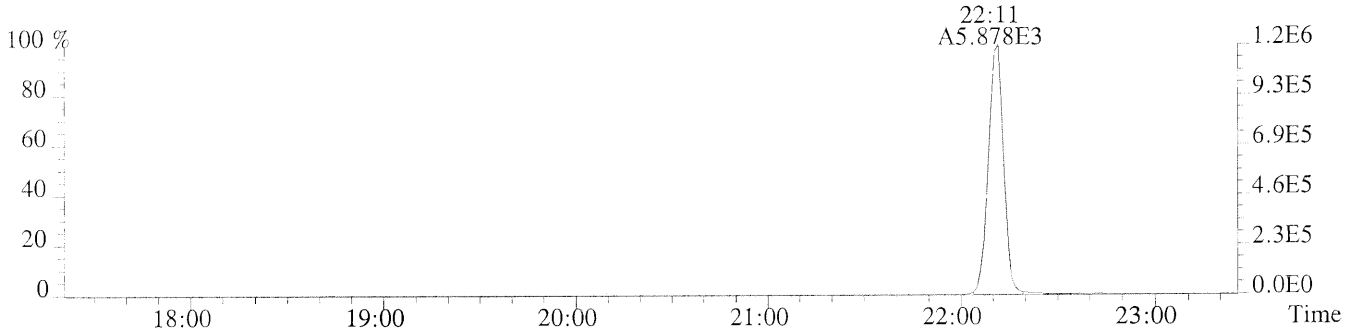
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



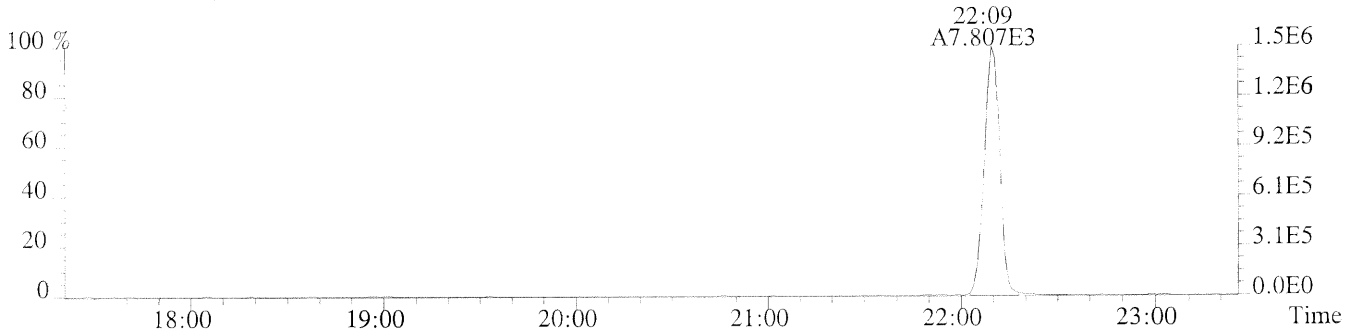
File:U142164 #1-336 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1128.0,1.00%,F,T)



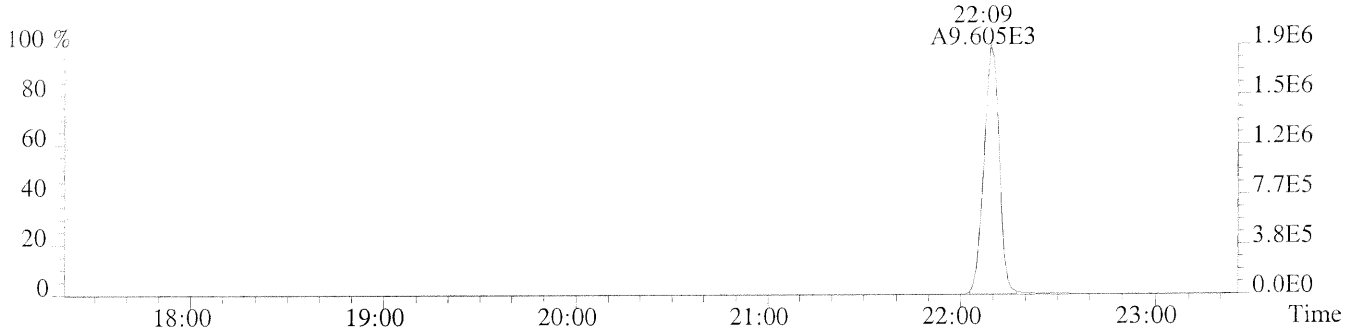
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,956.0,1.00%,F,T)



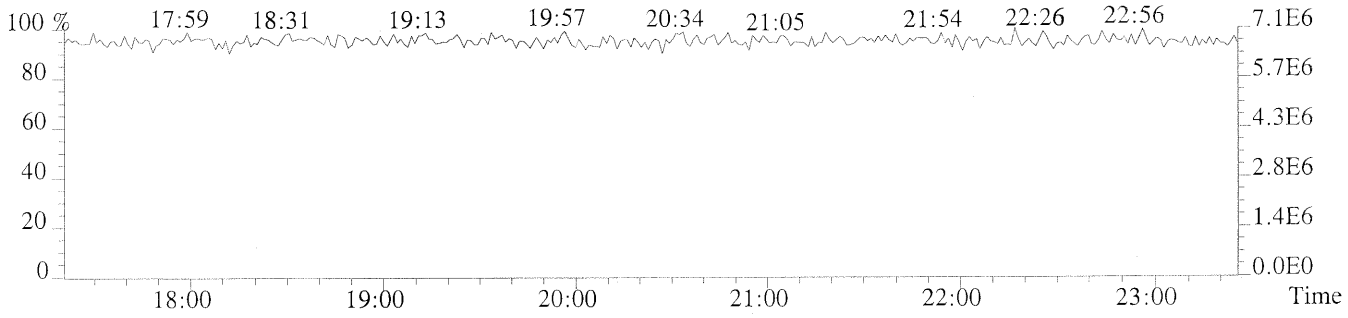
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1848.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)

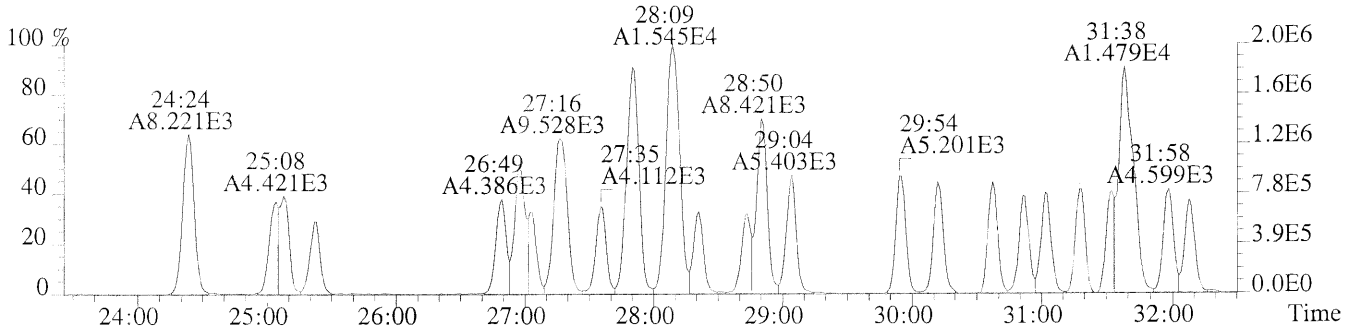


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

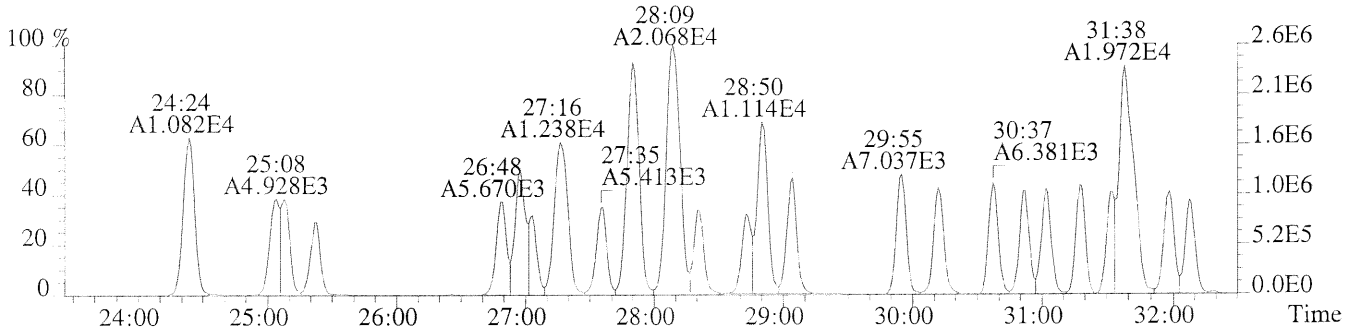


File:U142164 #1-580 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

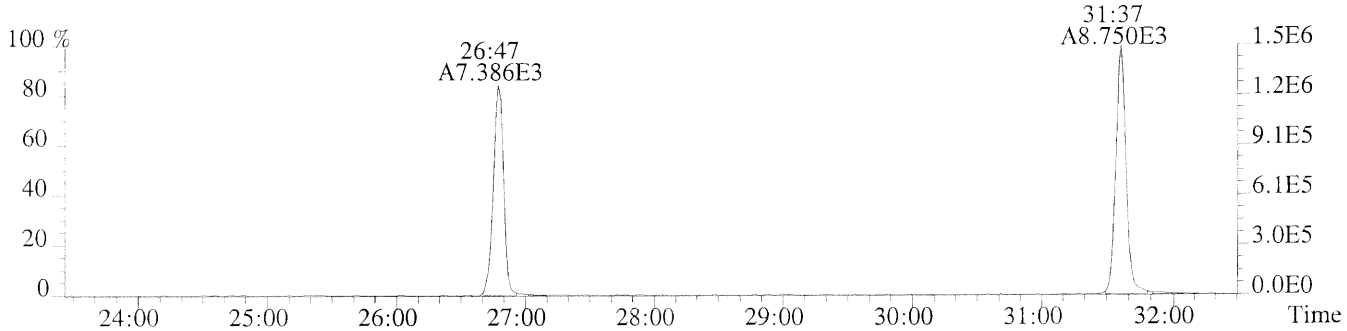
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2832.0,1.00%,F,T)



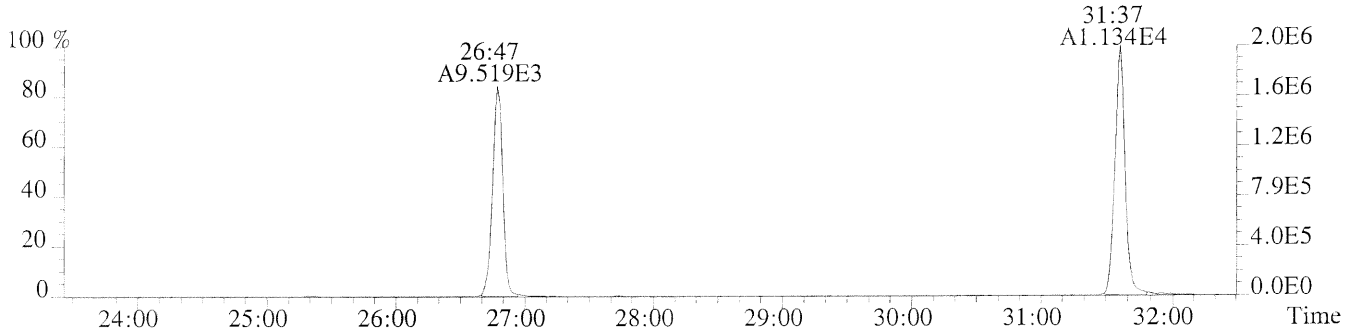
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2280.0,1.00%,F,T)



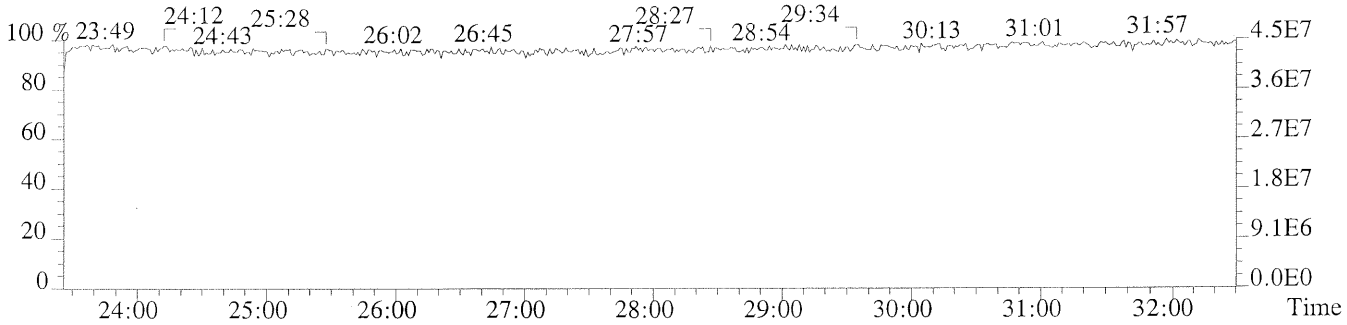
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1720.0,1.00%,F,T)



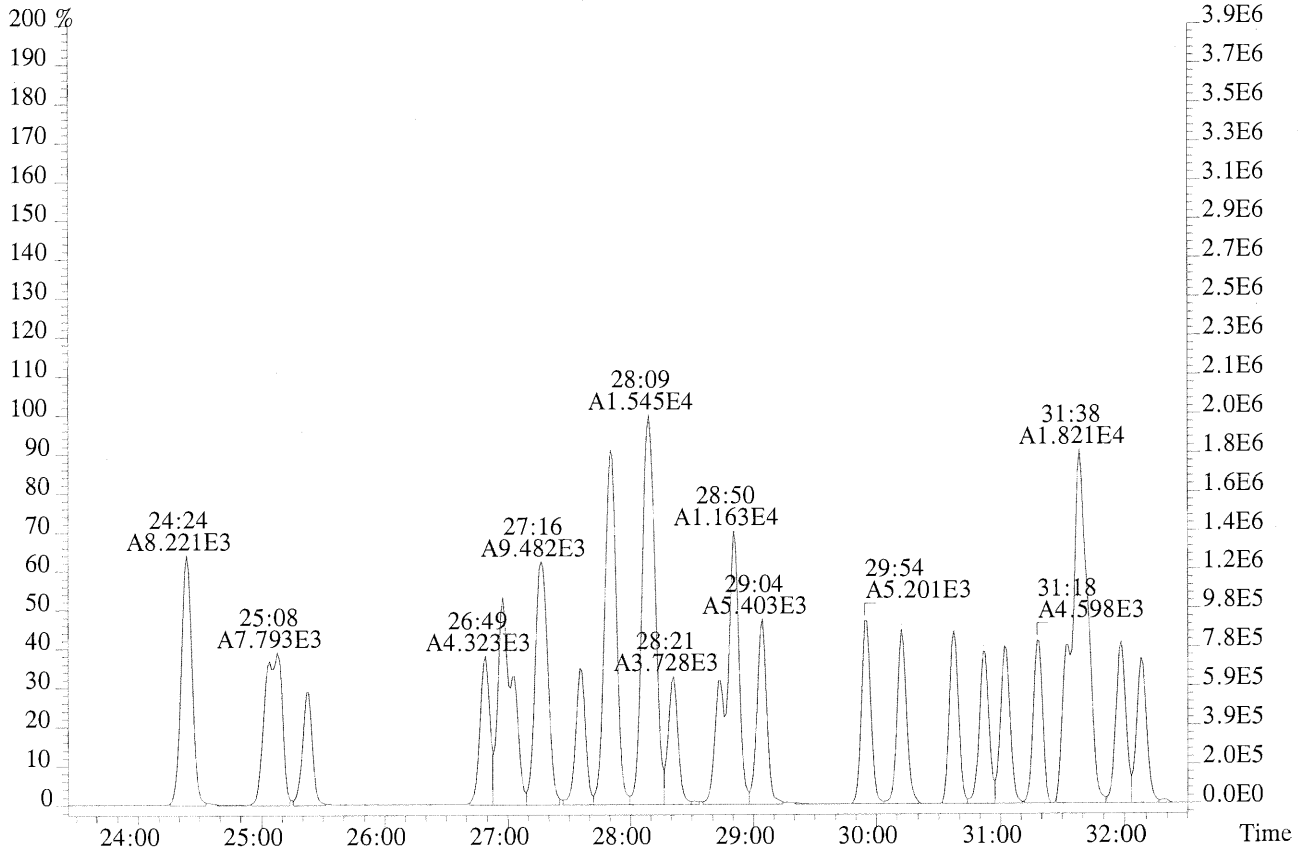
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,788.0,1.00%,F,T)



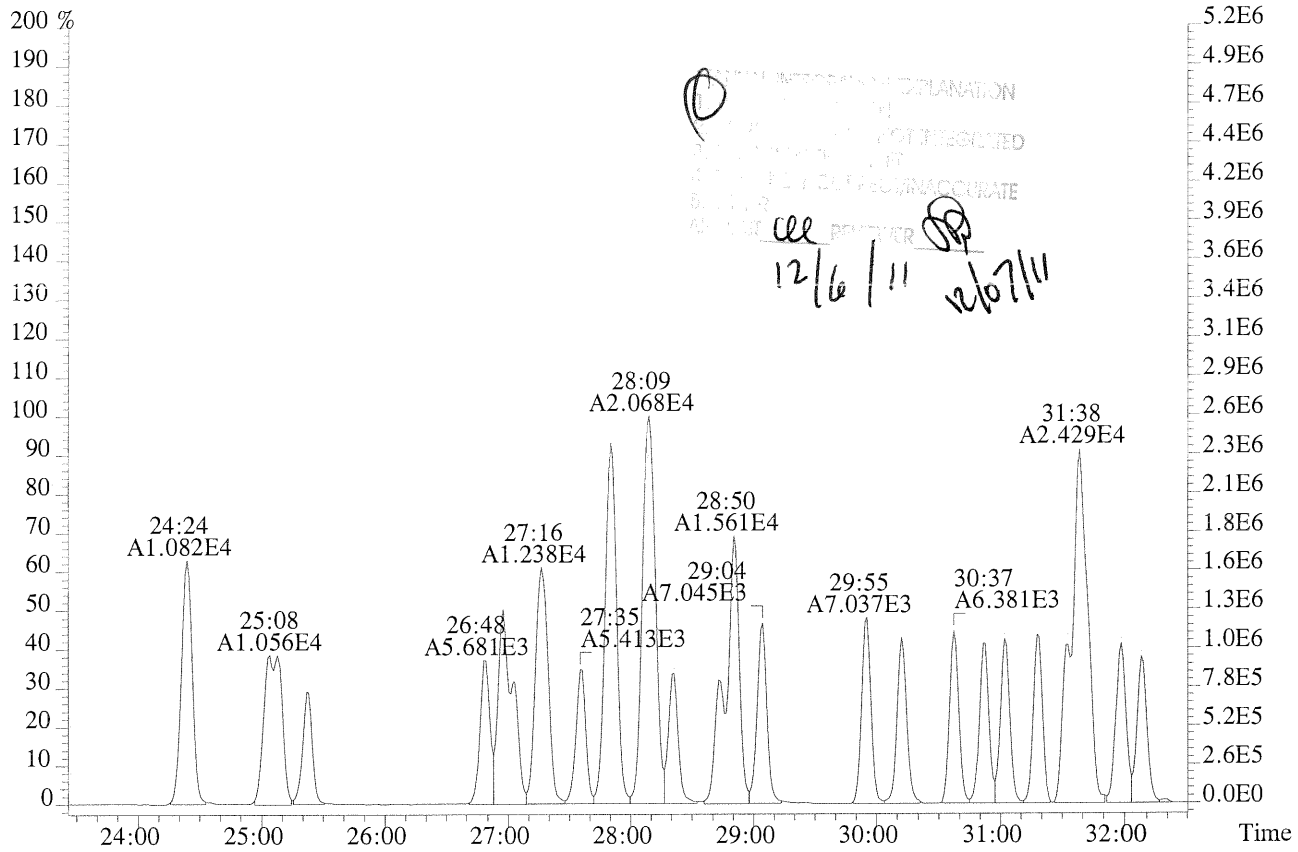
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142164 #1-580 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:PCB 209 INJECTION
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2832.0,1.00%,F,T)



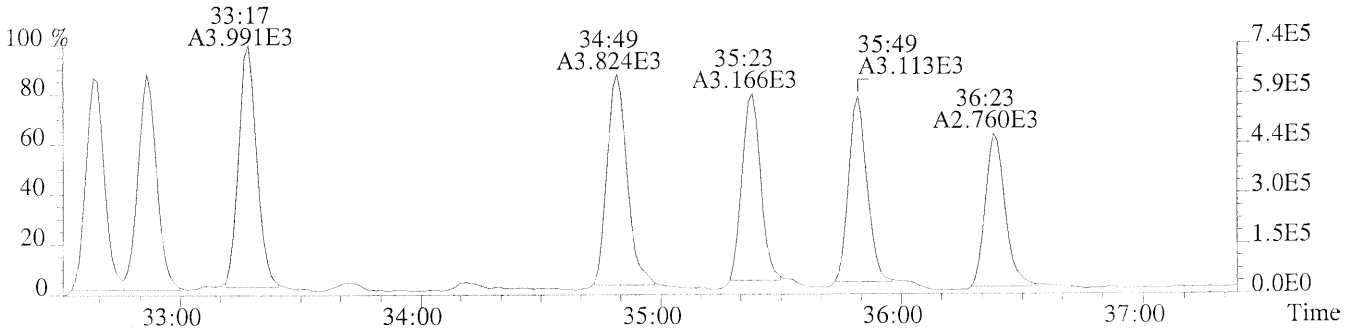
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0)



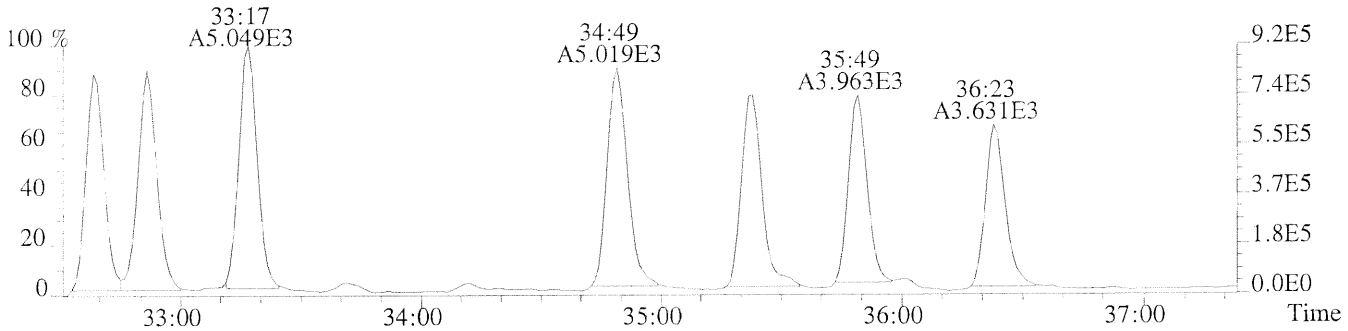
12/6/11 12/07/11

File:U142164 #1-312 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

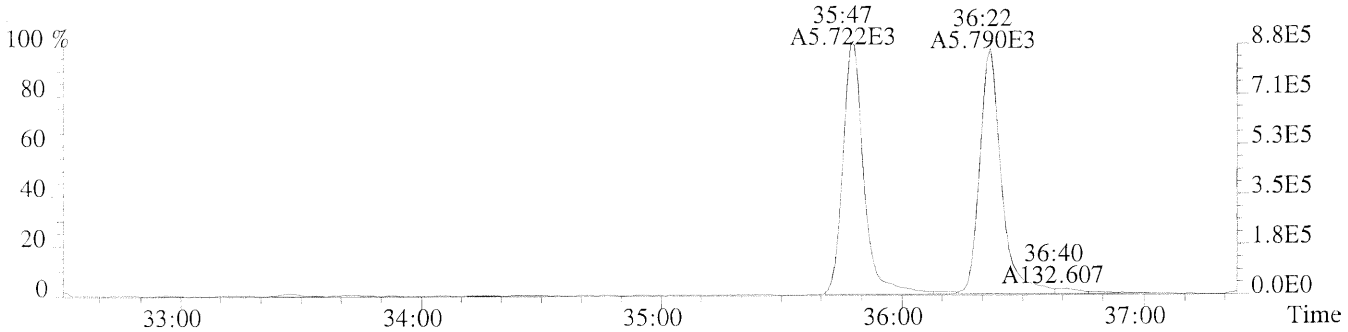
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,22868.0,1.00%,F,T)



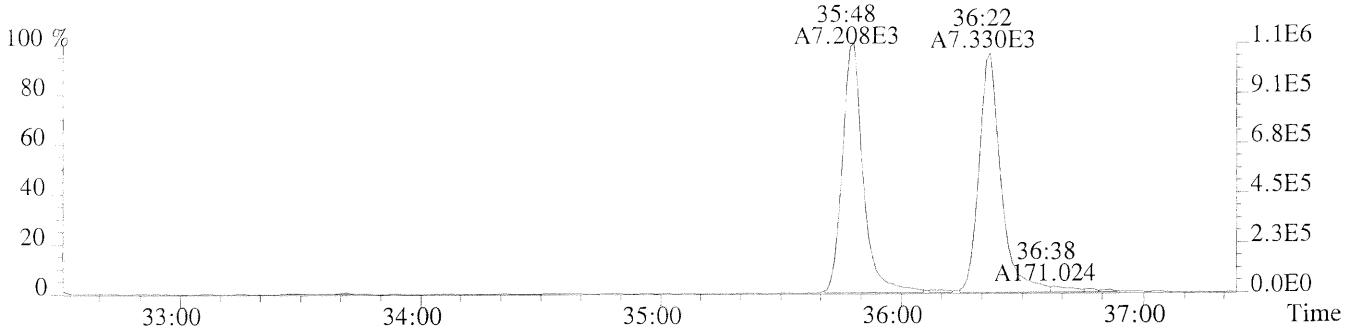
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,24284.0,1.00%,F,T)



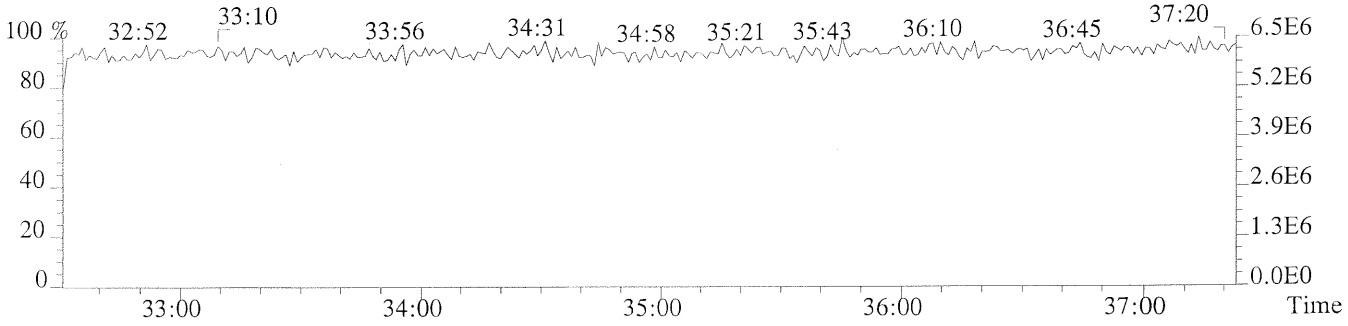
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1432.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1916.0,1.00%,F,T)

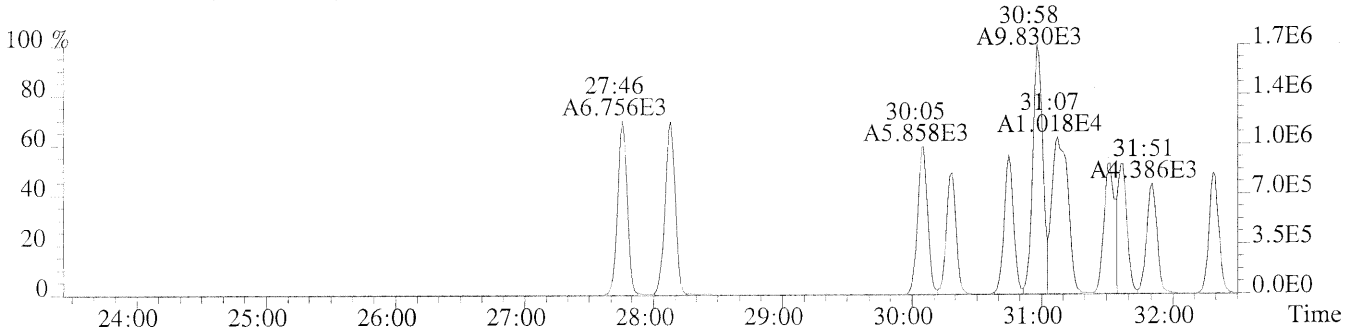


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

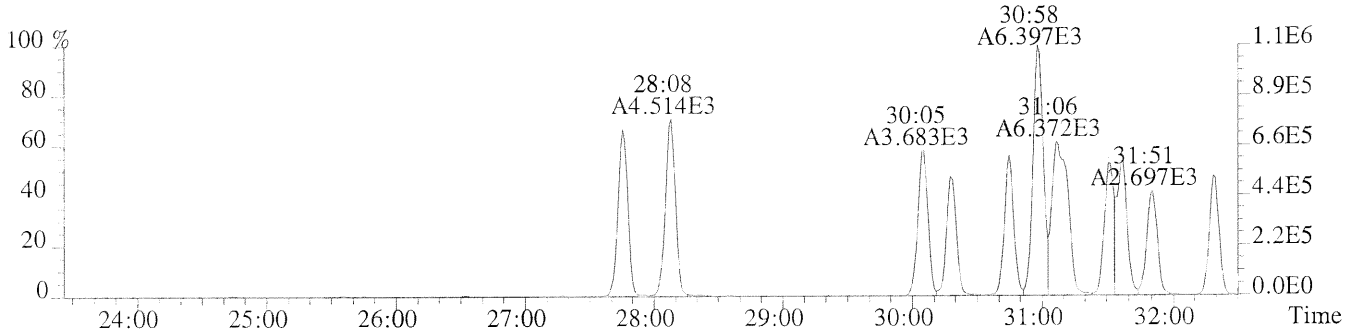


File:U142164 #1-580 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

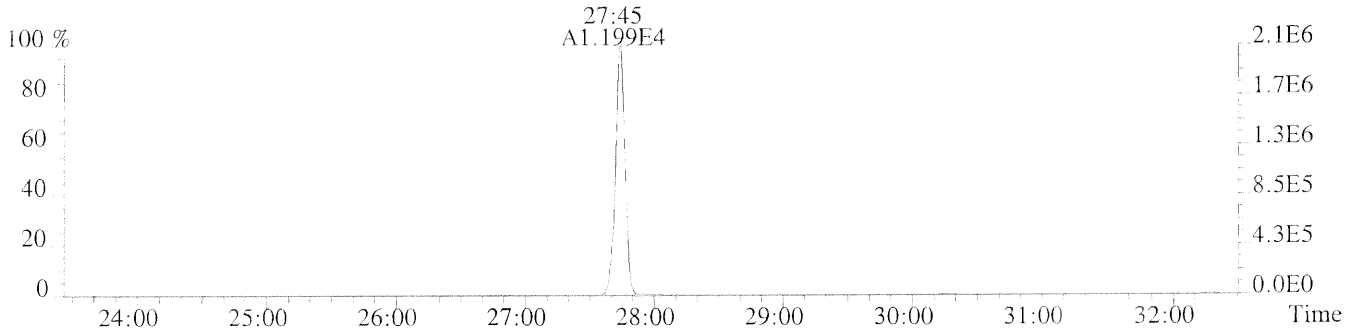
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,948.0,1.00%,F,T)



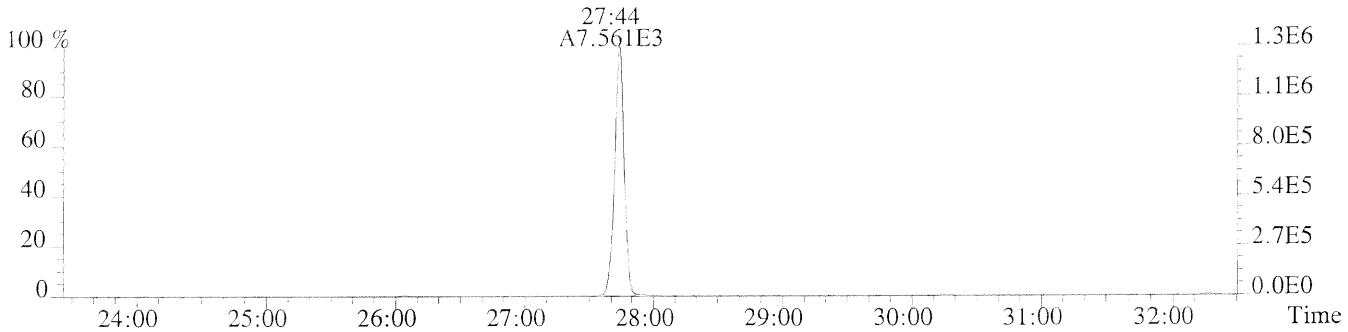
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,800.0,1.00%,F,T)



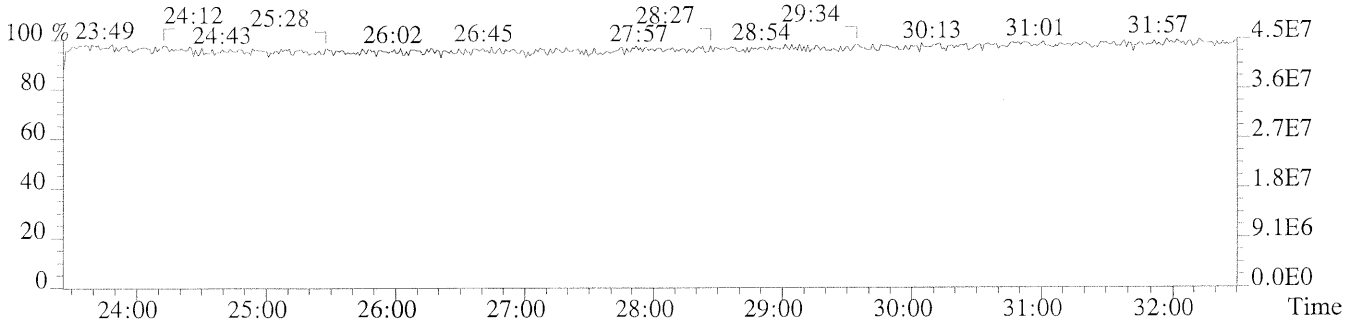
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,752.0,1.00%,F,T)



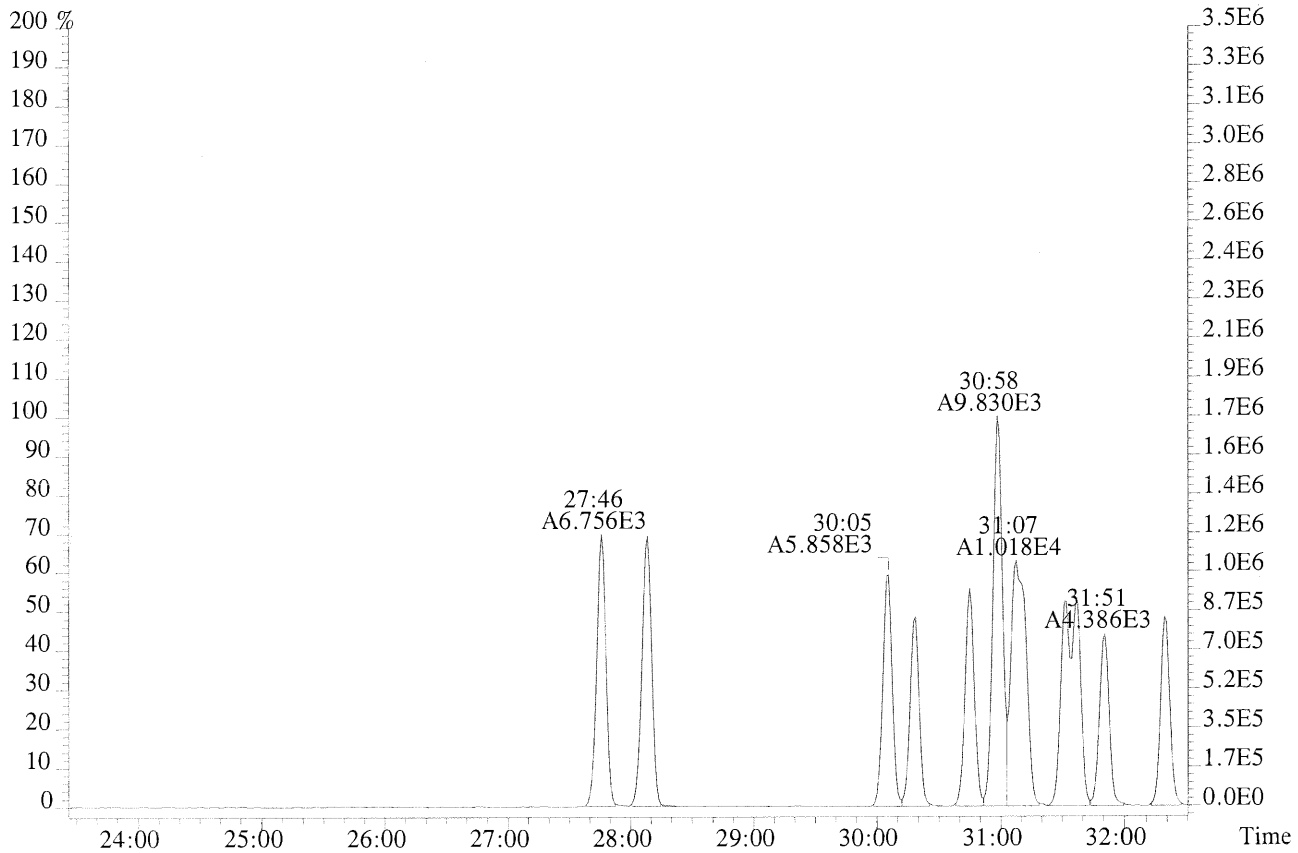
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,828.0,1.00%,F,T)



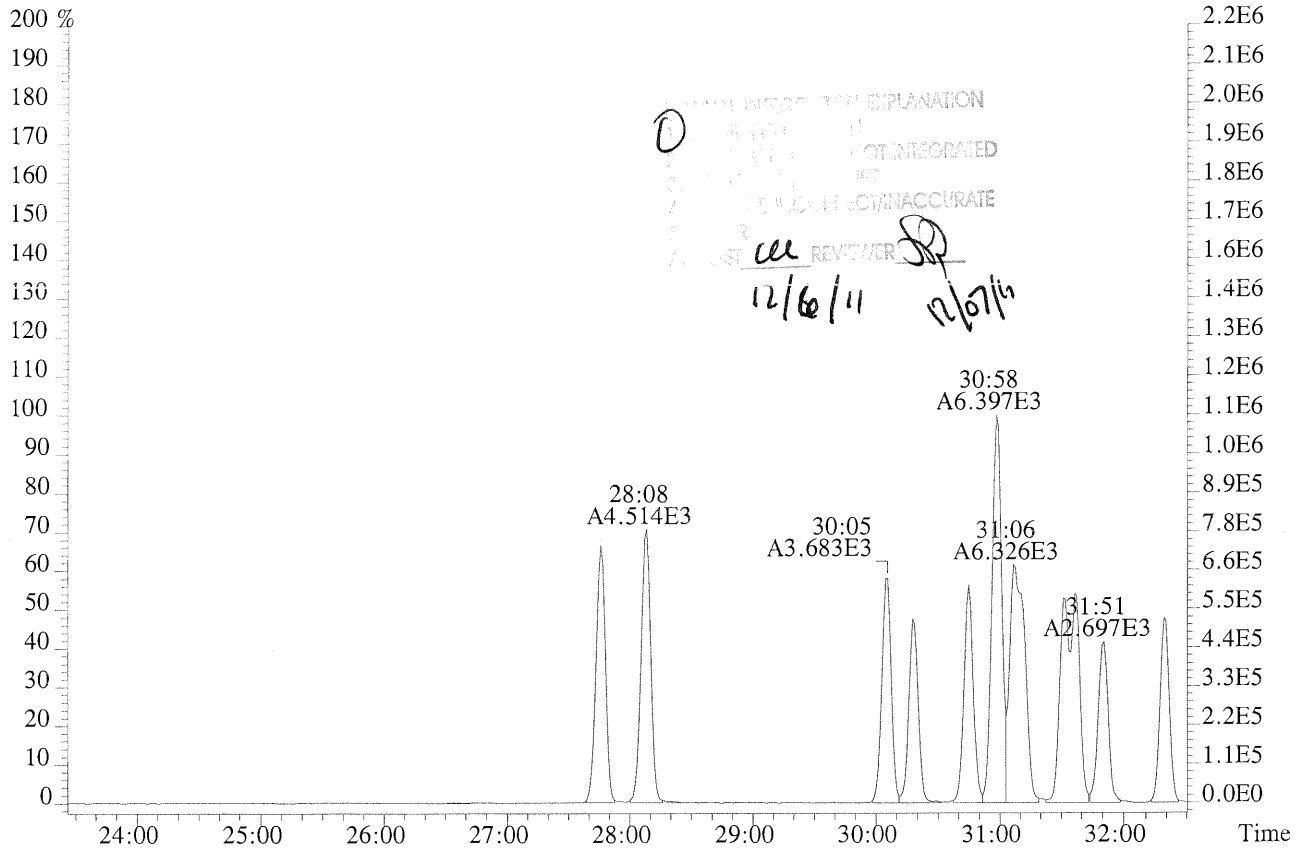
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142164 #1-580 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,948.0,1.00%,F,T)

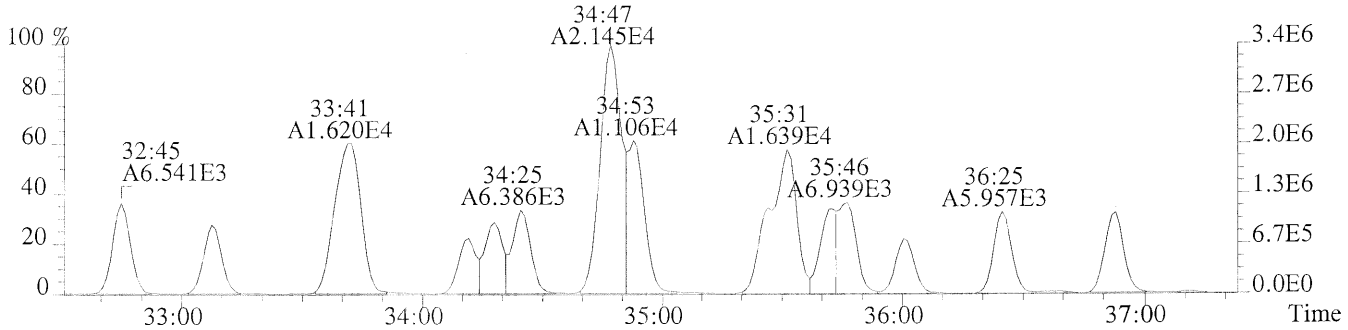


327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,800.0,1.00%,F,T)

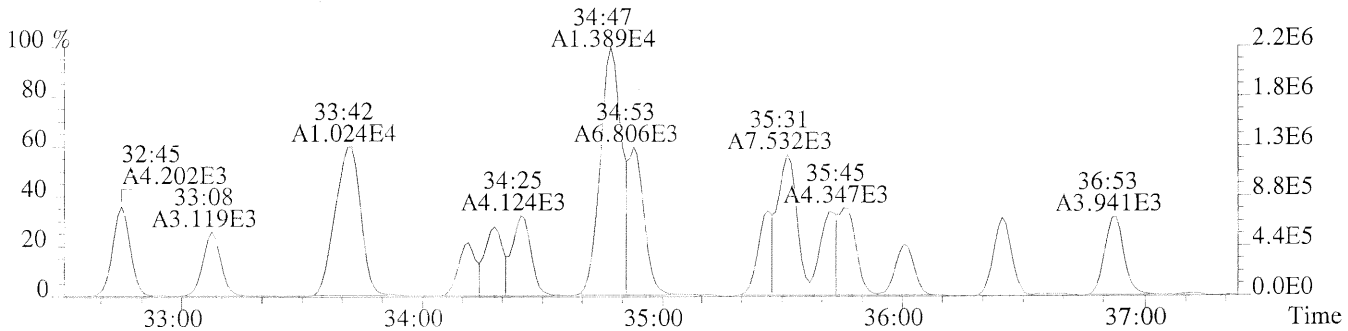


File:U142164 #1-312 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

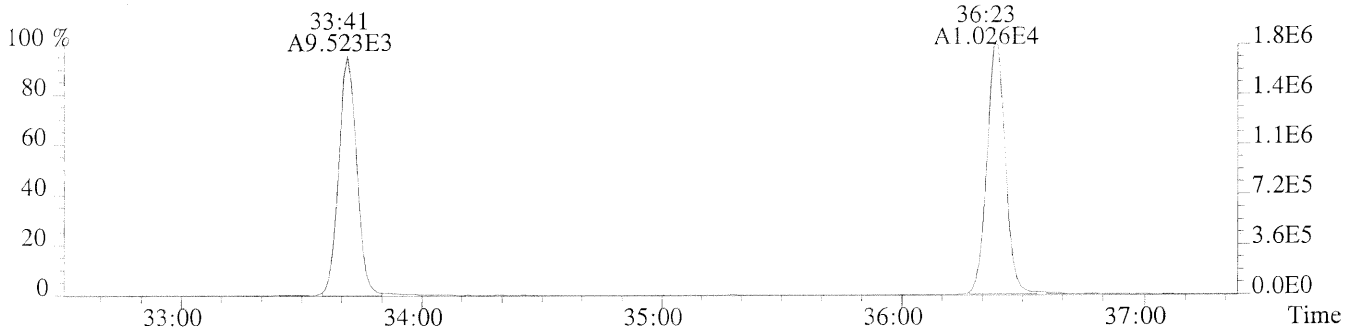
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9436.0,1.00%,F,T)



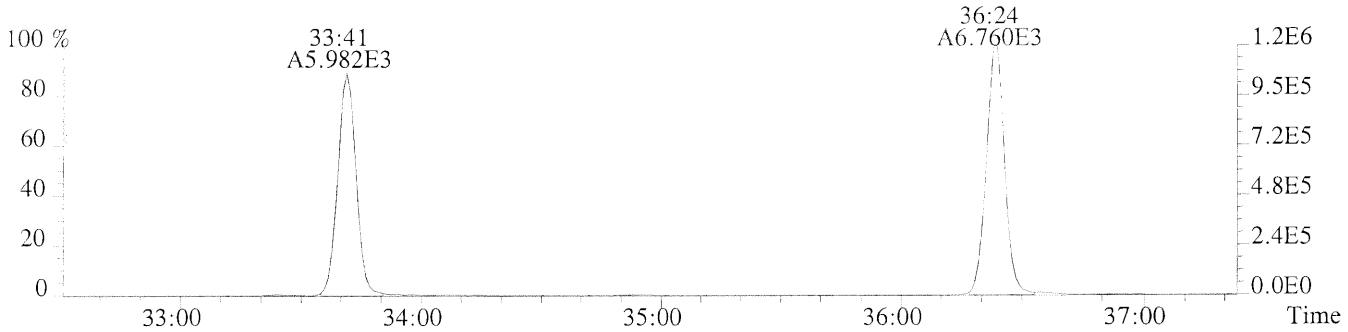
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8108.0,1.00%,F,T)



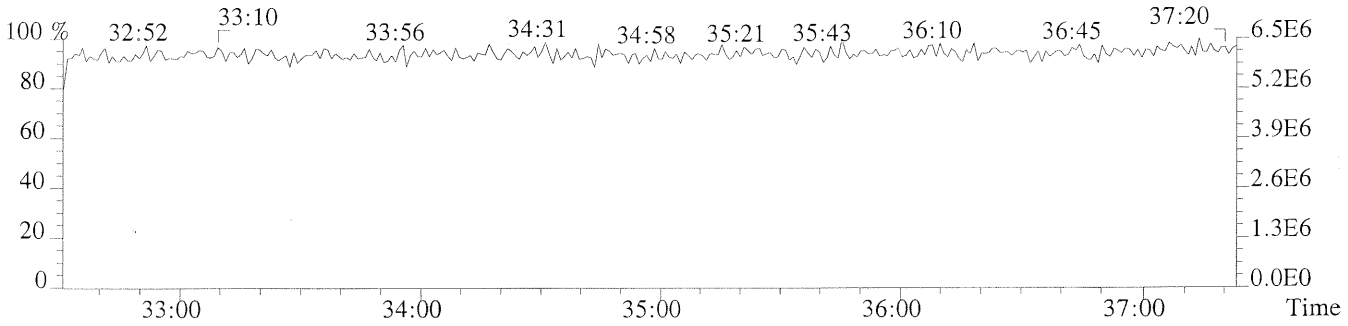
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1376.0,1.00%,F,T)



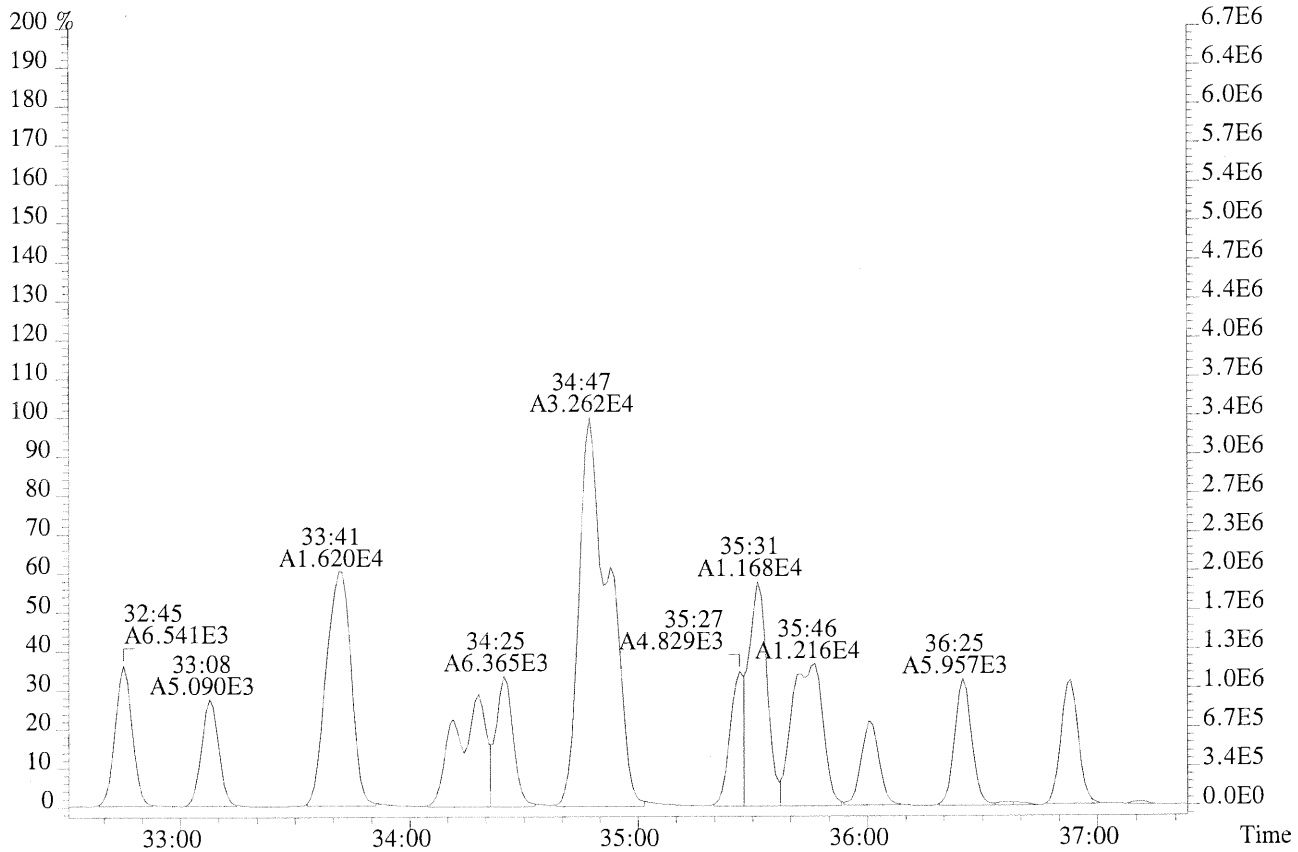
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,684.0,1.00%,F,T)



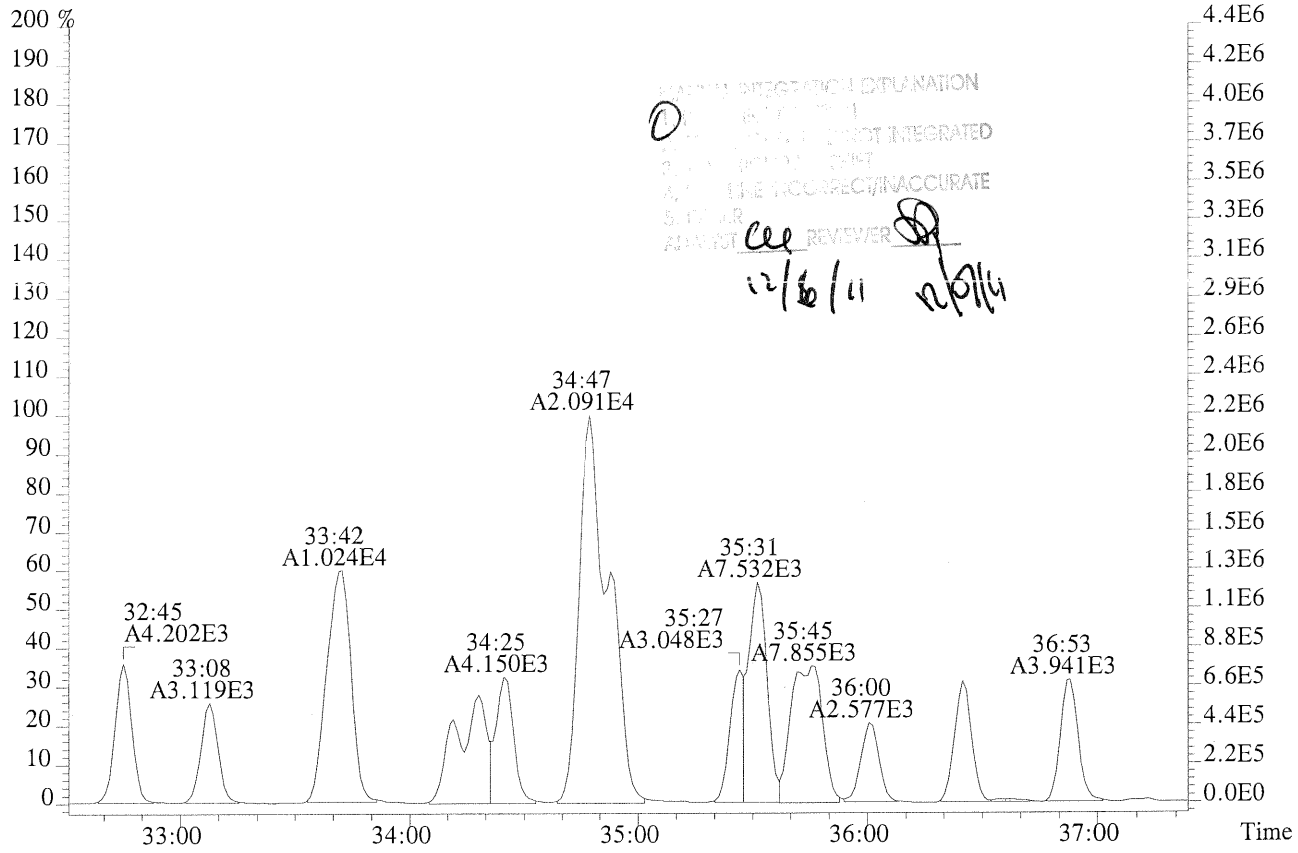
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142164 #1-312 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9436.0,1.00%,F,T)



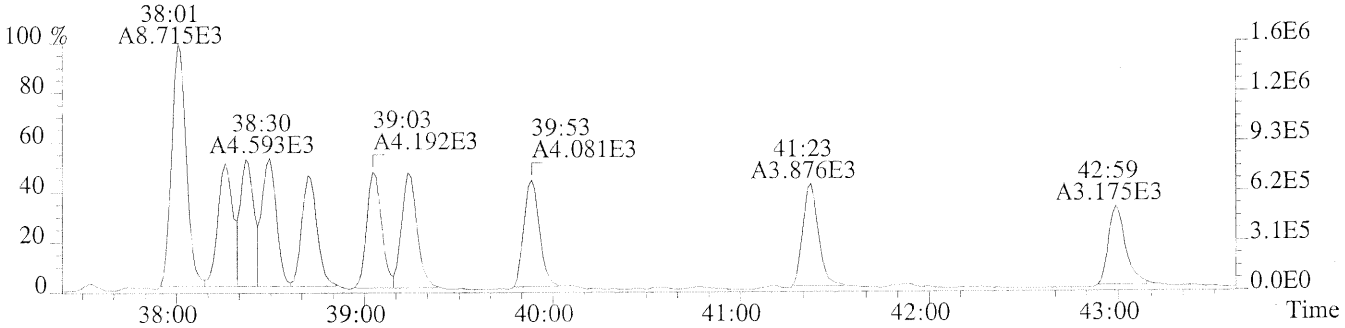
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8108.0,1.00%,F,T)



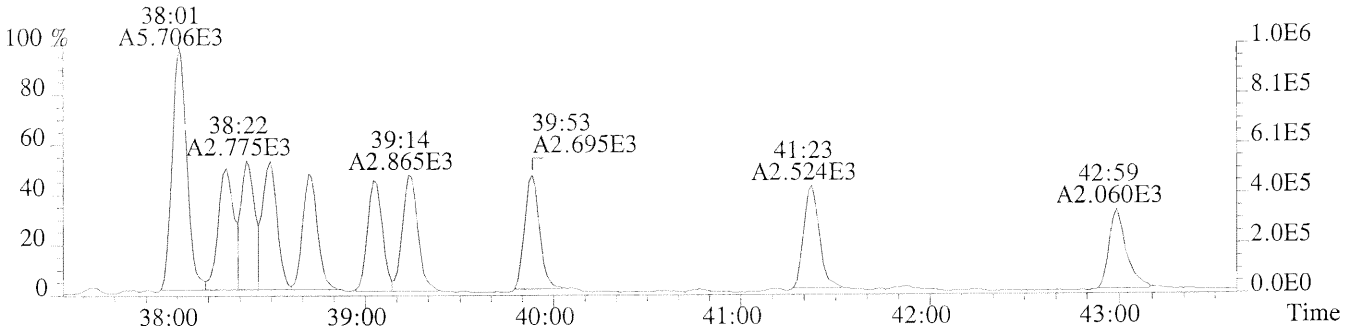
MANUAL INTEGRATION EXPLANATION
NOT INTEGRATED
THE INCORRECT/INACCURATE
ANALYST REVIEWER
12/6/11 12/8/11

File:U142164 #1-398 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

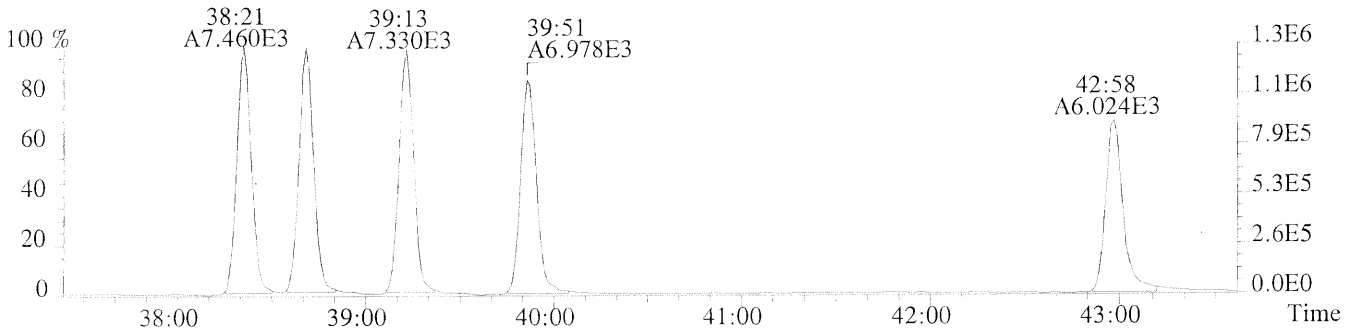
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,27572.0,1.00%,F,T)



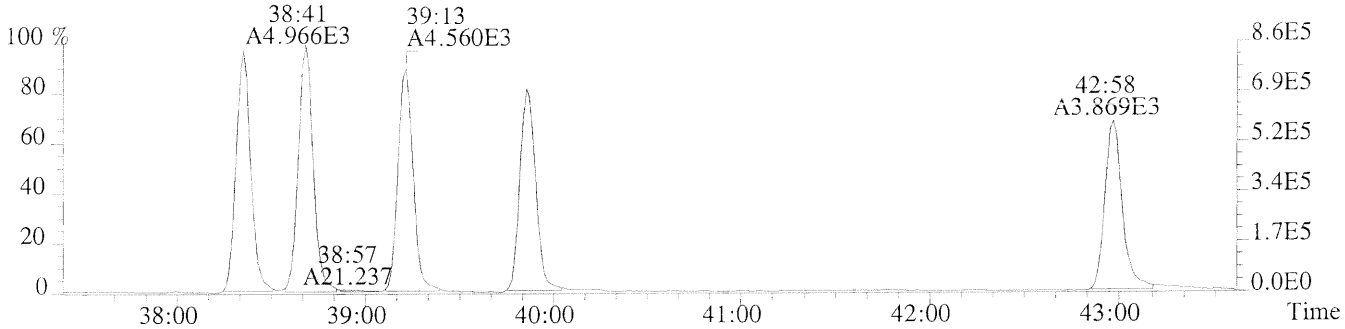
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17776.0,1.00%,F,T)



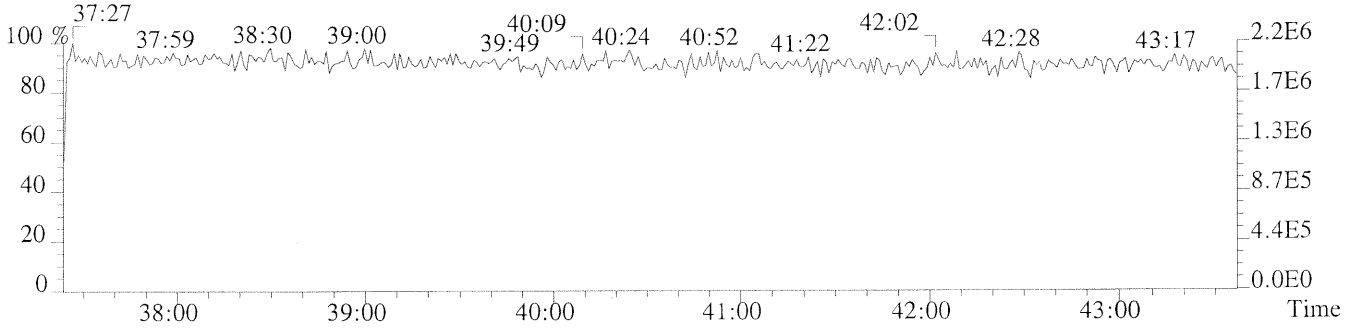
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11332.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8000.0,1.00%,F,T)

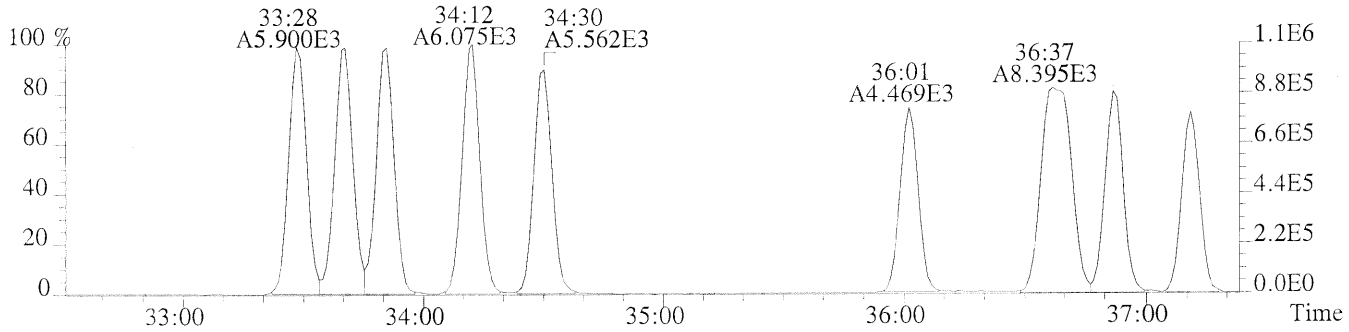


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

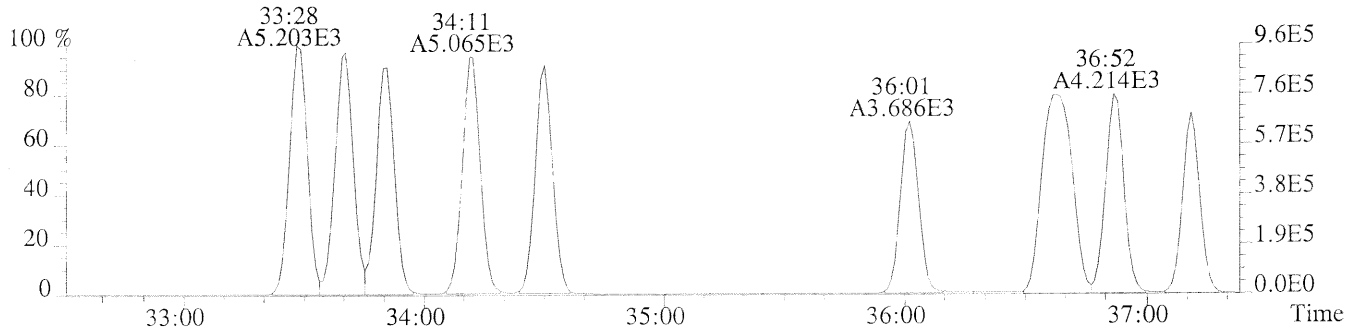


File:U142164 #1-312 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

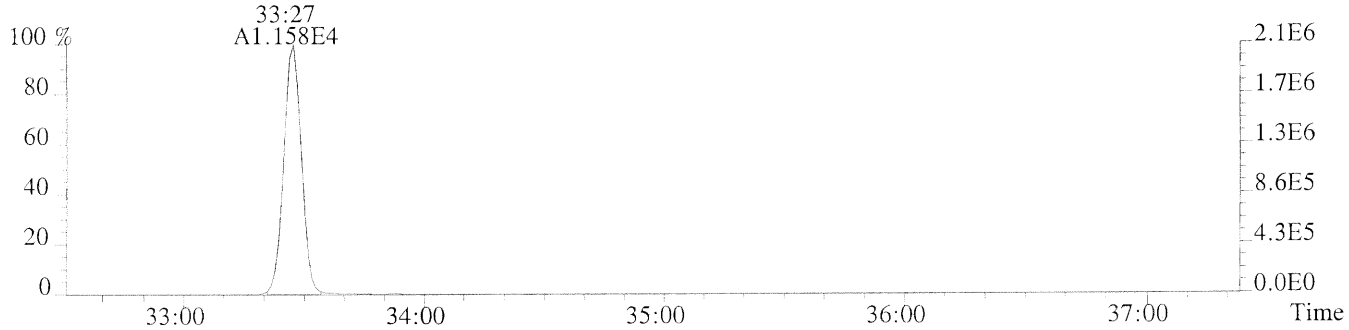
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2588.0,1.00%,F,T)



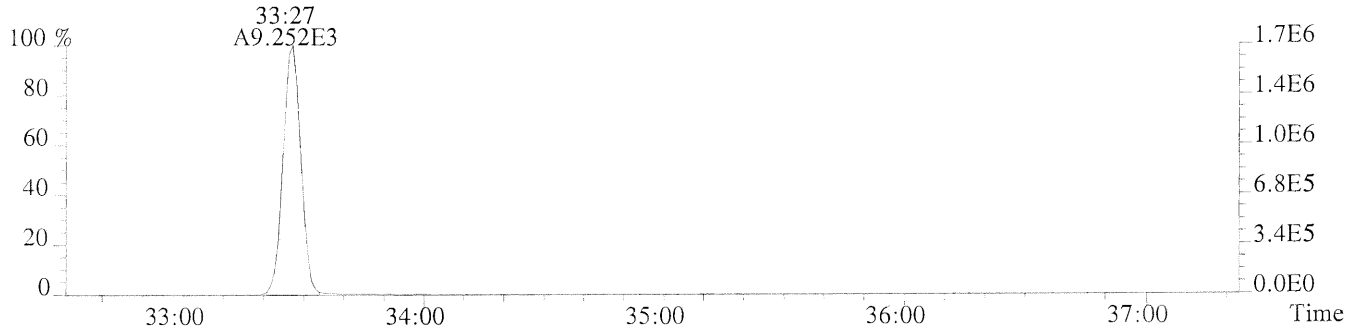
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3448.0,1.00%,F,T)



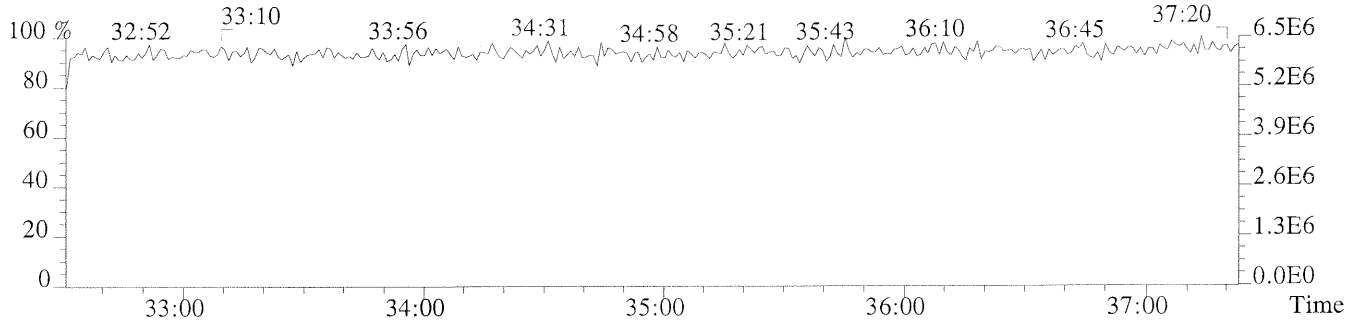
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1052.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1108.0,1.00%,F,T)

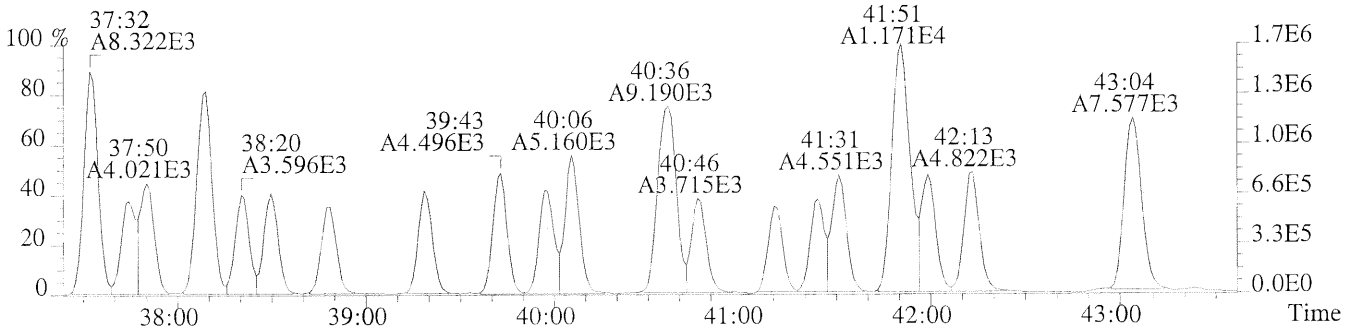


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

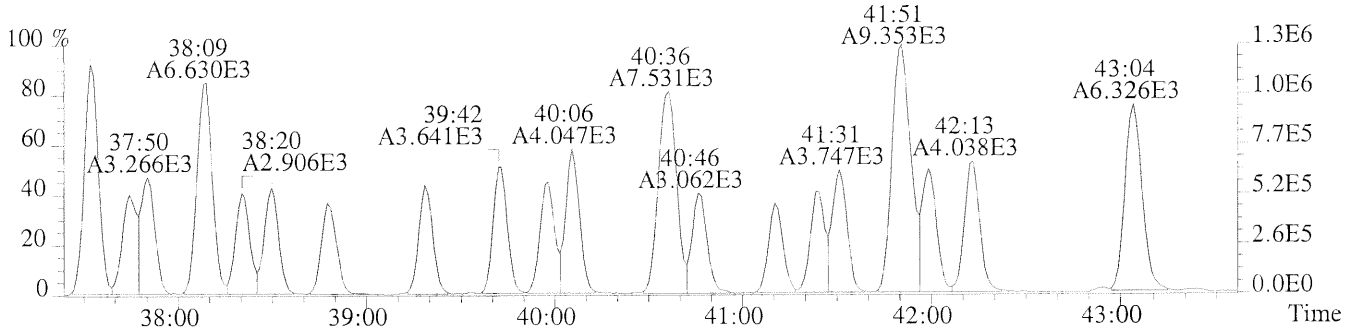


File:U142164 #1-398 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

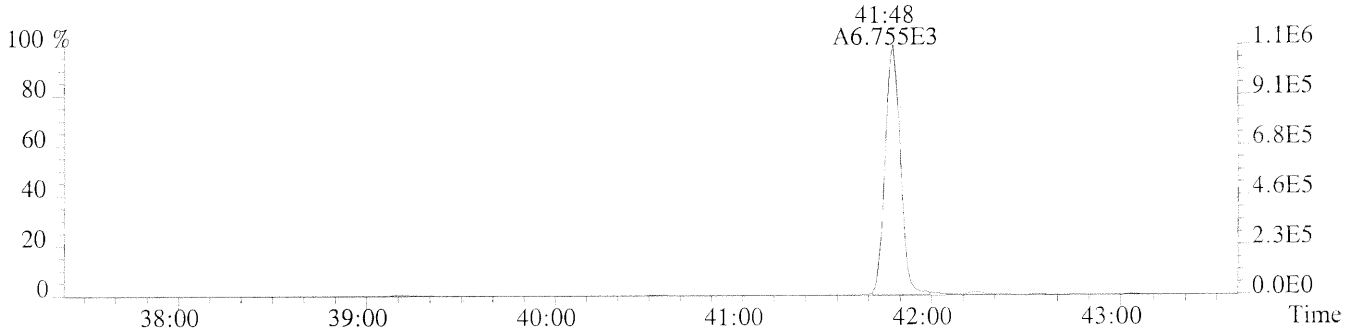
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12688.0,1.00%,F,T)



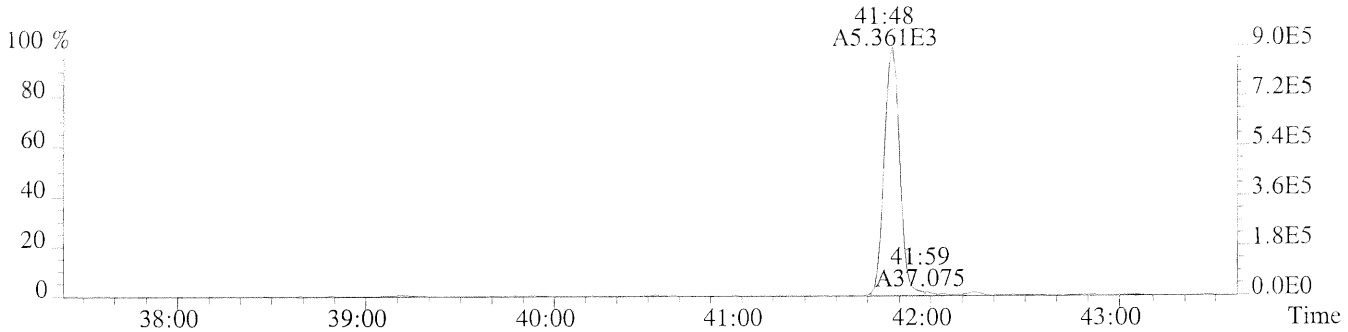
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11832.0,1.00%,F,T)



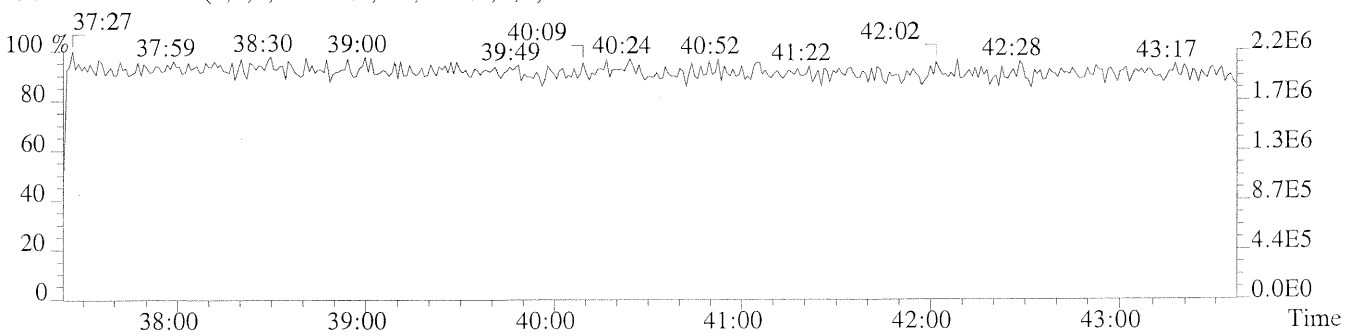
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,472.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,824.0,1.00%,F,T)

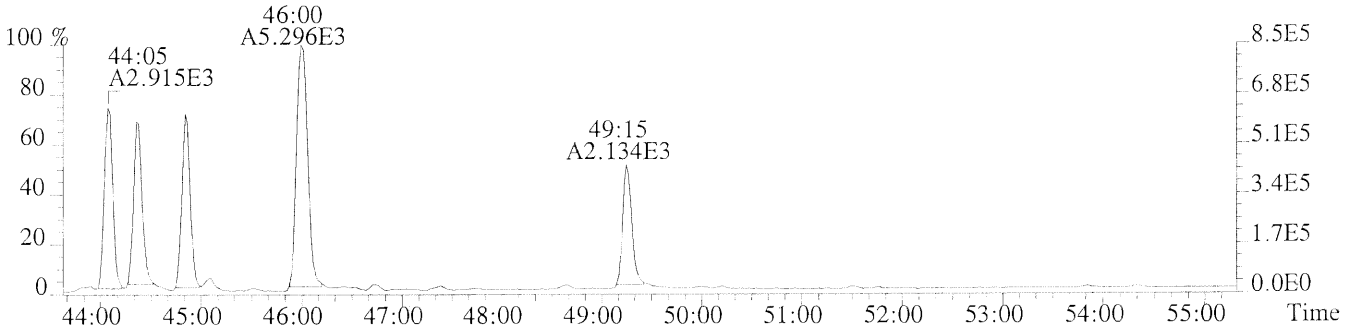


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

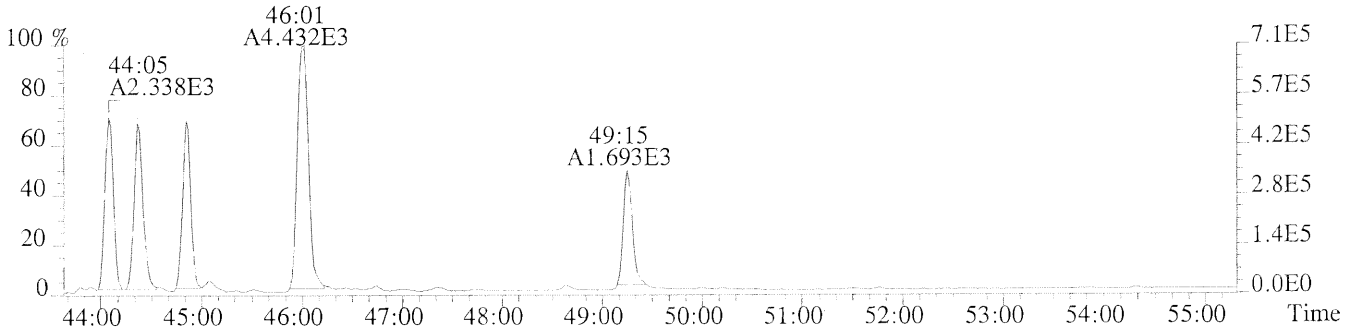


File:U142164 #1-579 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

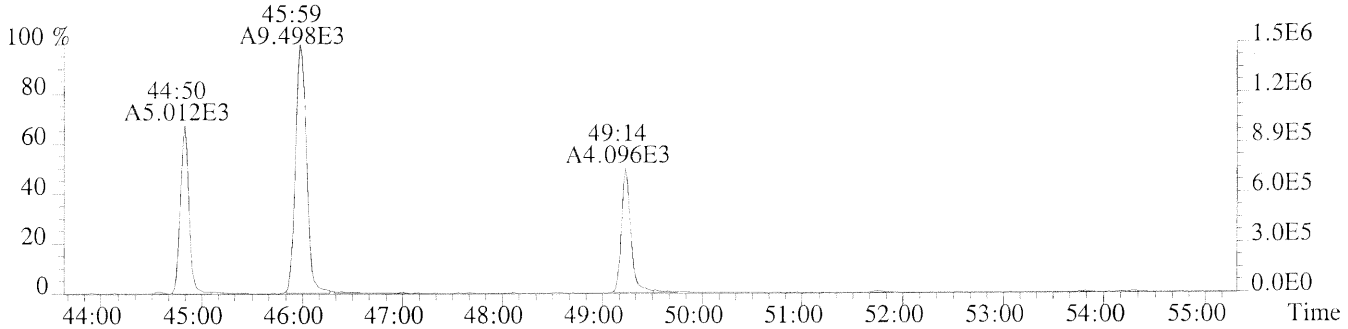
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,23884.0,1.00%,F,T)



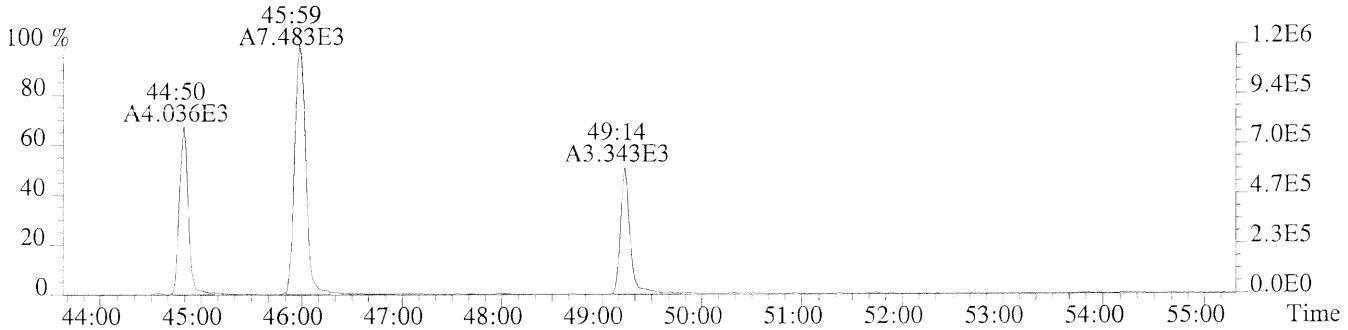
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,19100.0,1.00%,F,T)



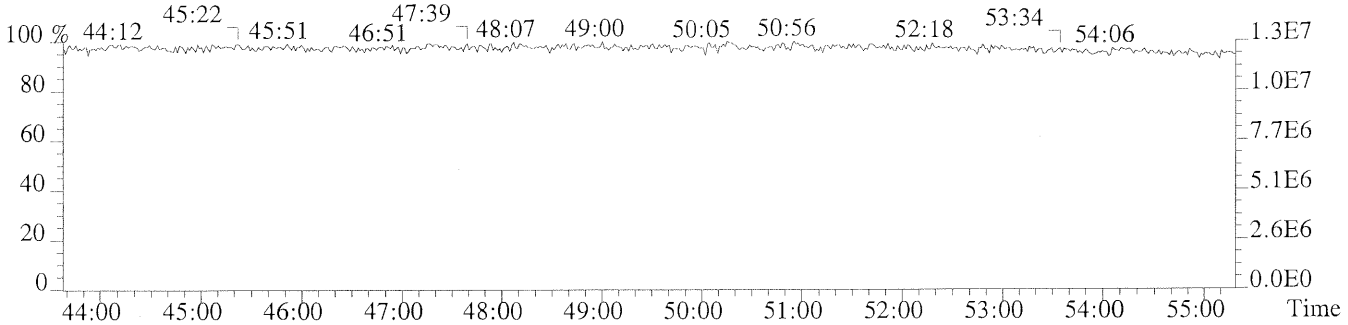
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1964.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1296.0,1.00%,F,T)

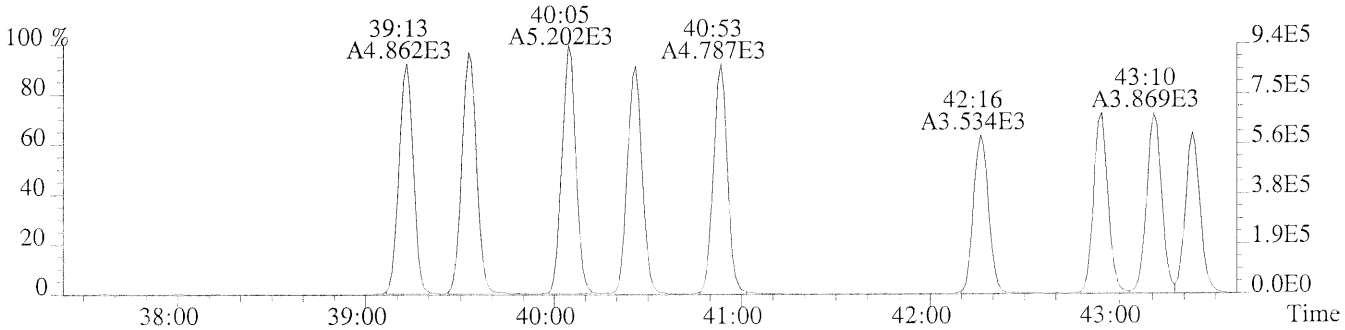


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

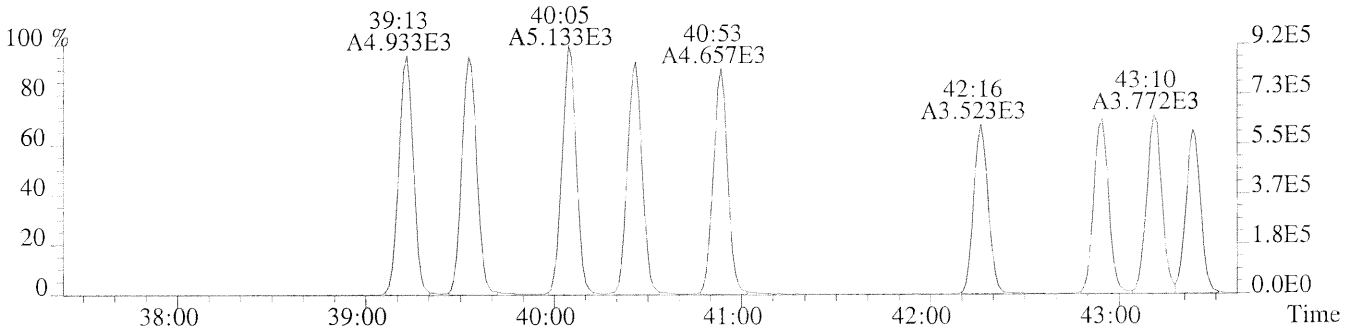


File:U142164 #1-398 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

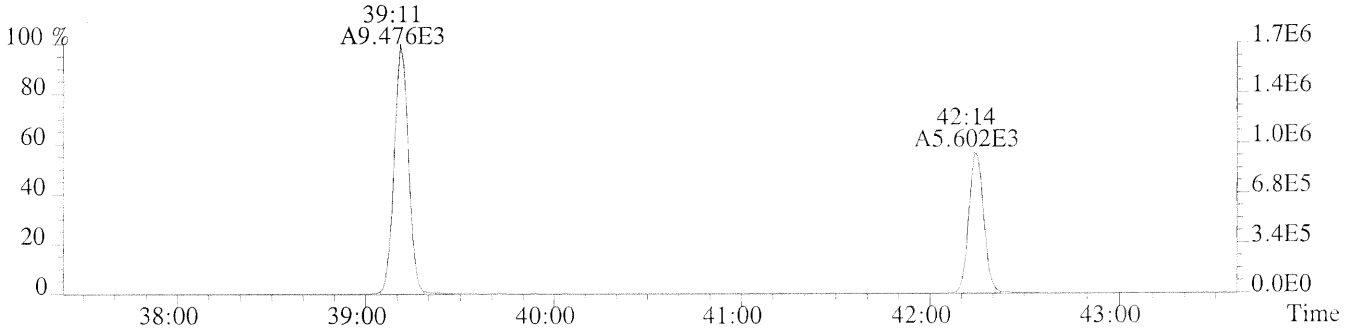
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)



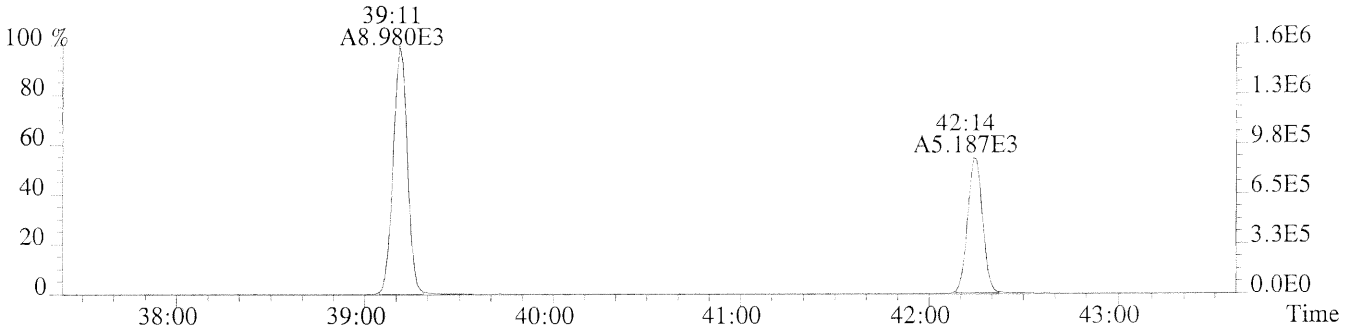
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,768.0,1.00%,F,T)



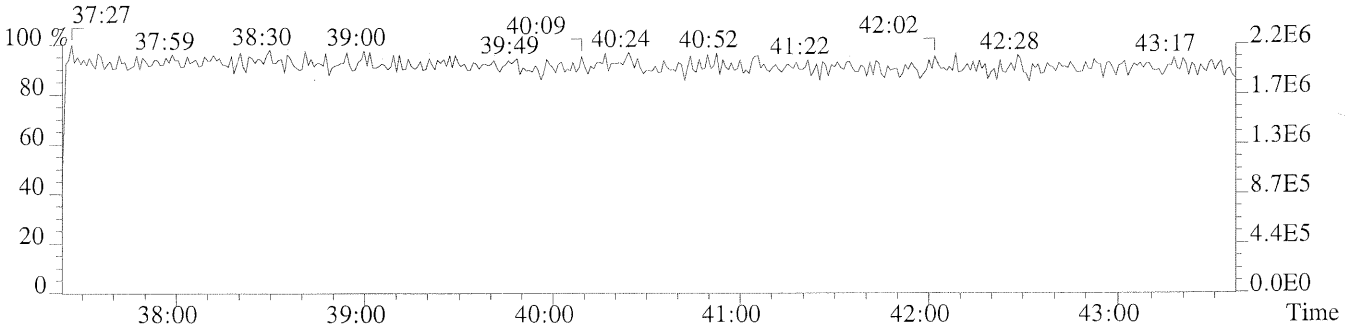
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1296.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,828.0,1.00%,F,T)

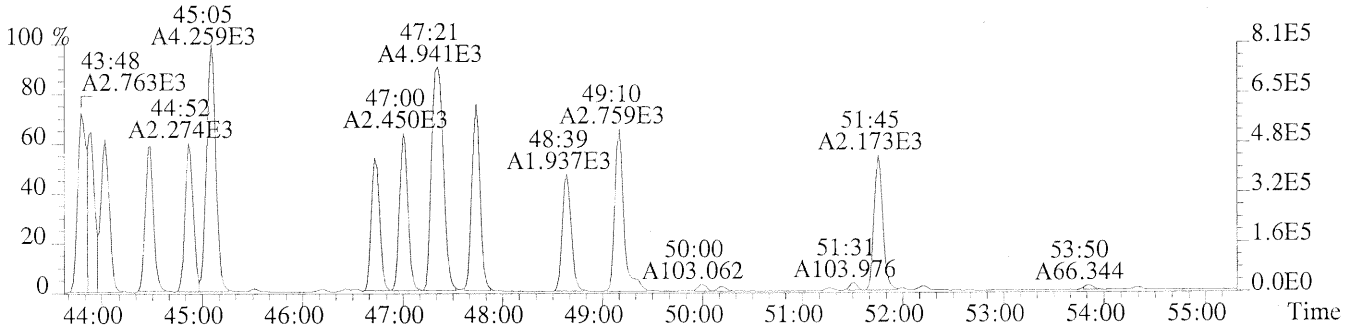


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

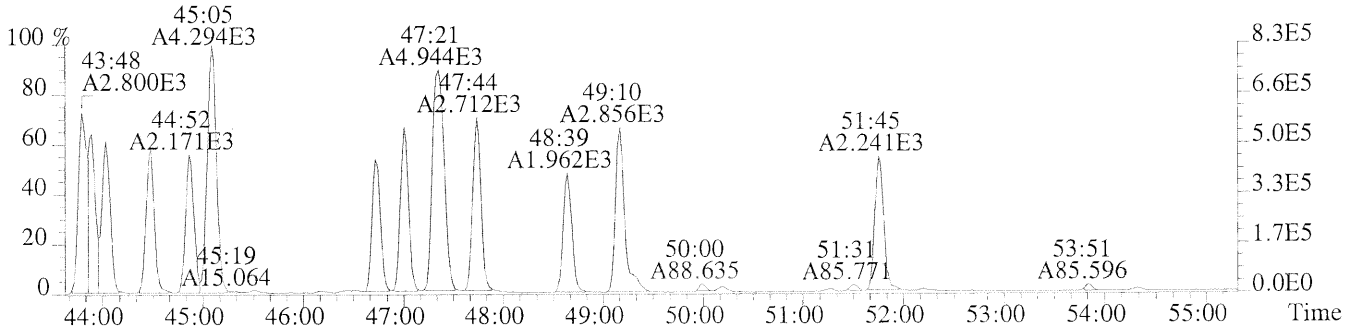


File:U142164 #1-579 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

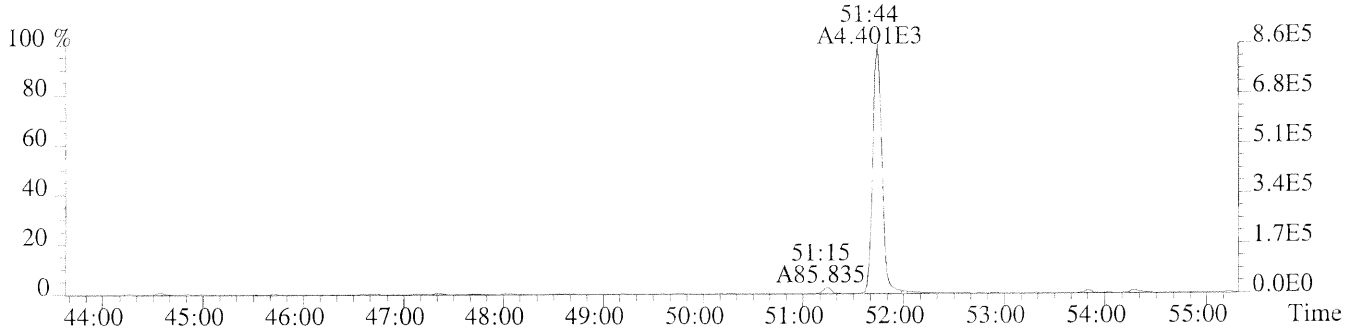
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7332.0,1.00%,F,T)



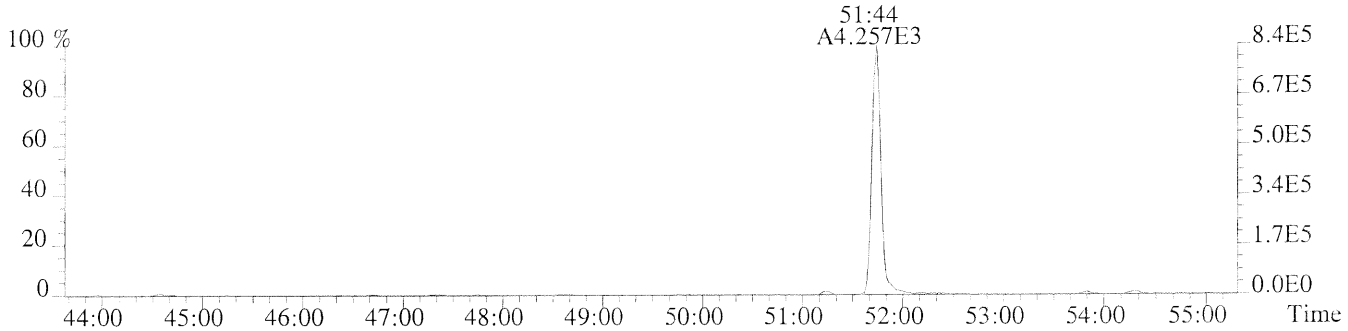
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8876.0,1.00%,F,T)



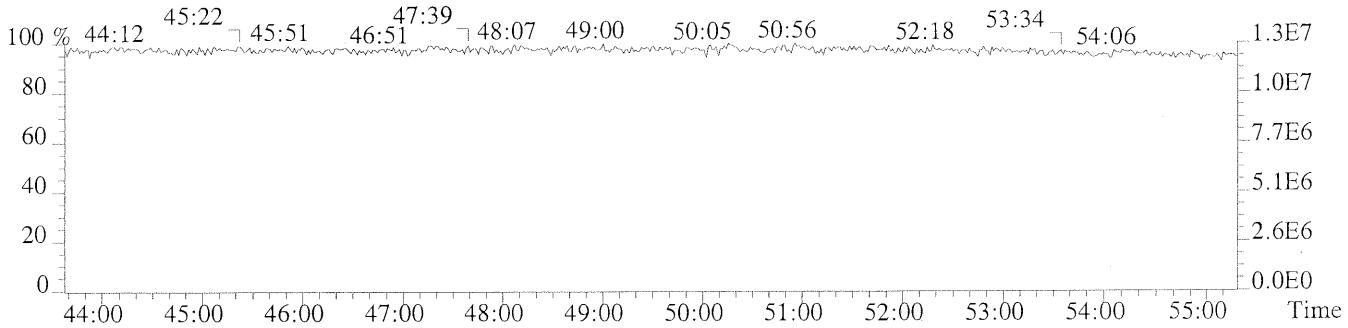
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



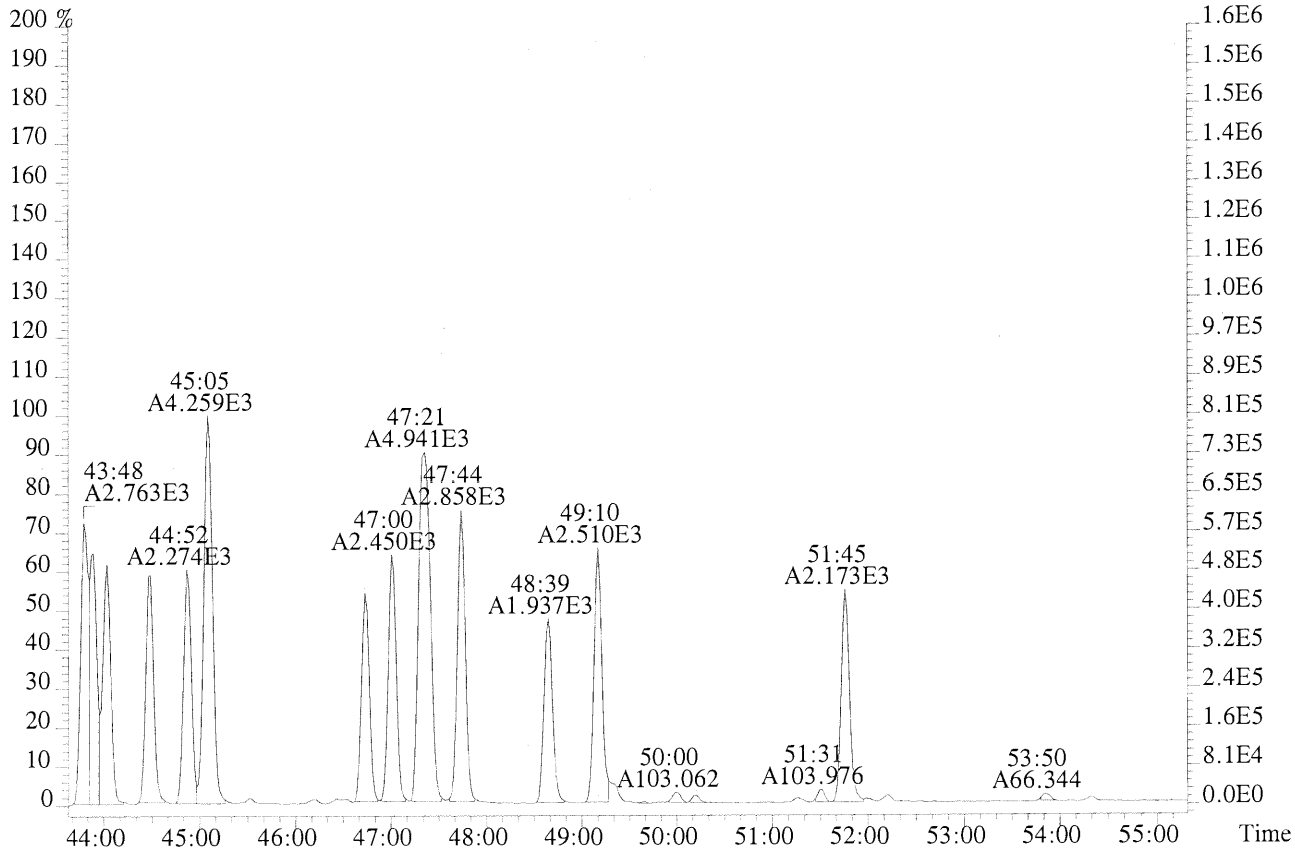
407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,692.0,1.00%,F,T)



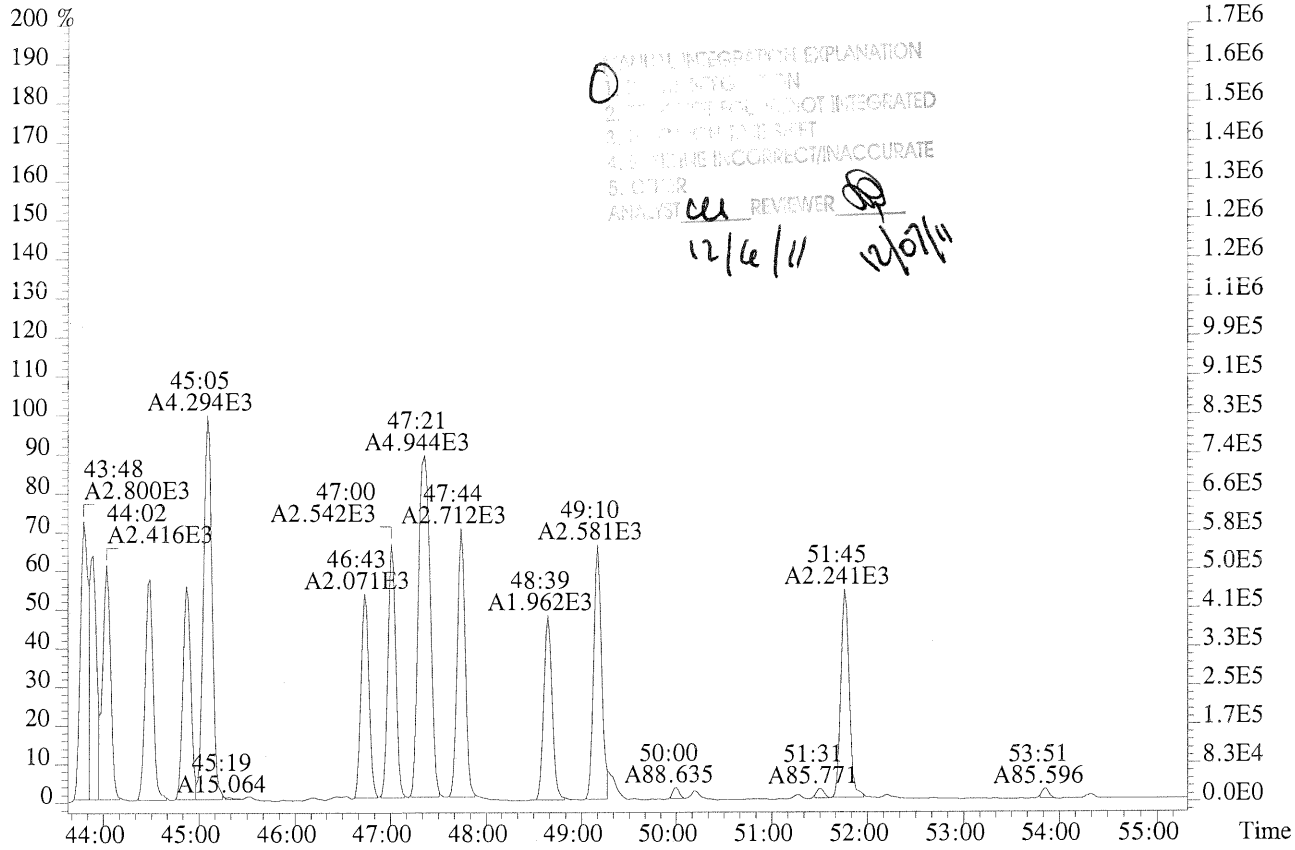
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:U142164 #1-579 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:PCB 209 INJECTION
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7332.0,1.00%,F,T)



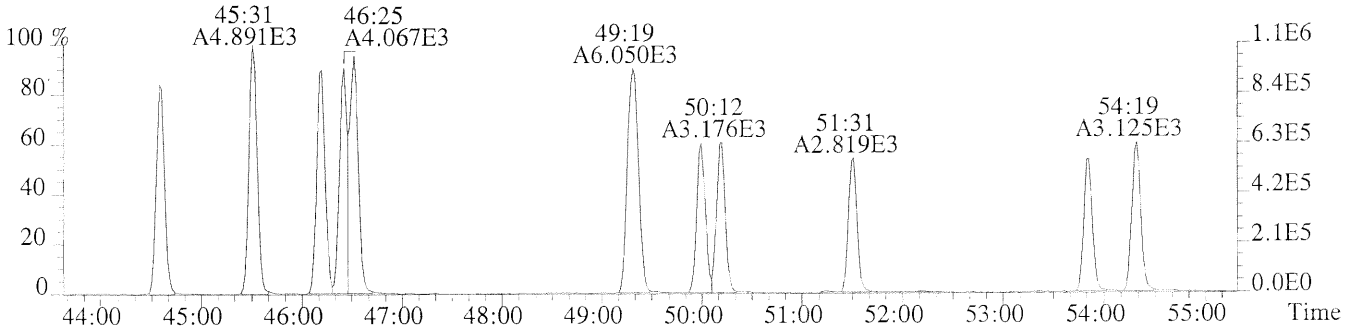
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8876.0,1.00%,F,T)



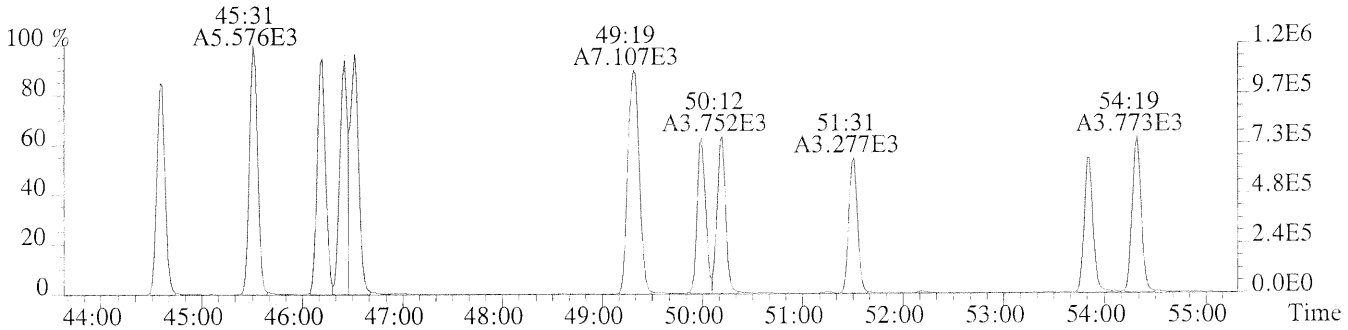
MANUAL INTEGRATION EXPLANATION
1. [illegible]
2. [illegible] NOT INTEGRATED
3. [illegible] SHEET
4. [illegible] INCORRECT/INACCURATE
5. OTHER
ANALYST cu REVIEWER
12/6/11 12/07/11

File:U142164 #1-579 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

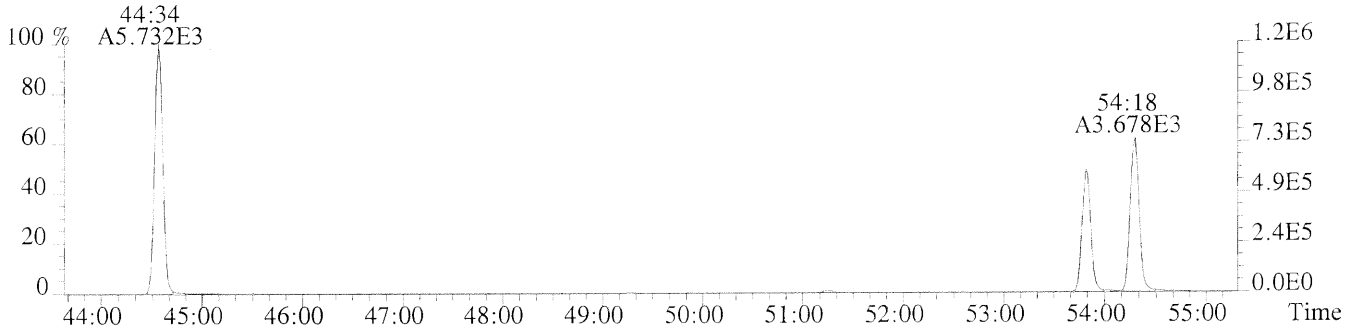
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1672.0,1.00%,F,T)



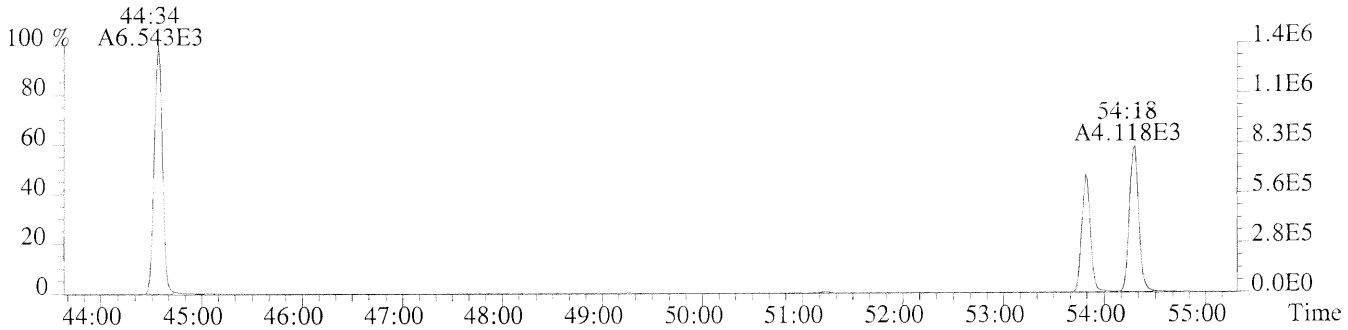
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1156.0,1.00%,F,T)



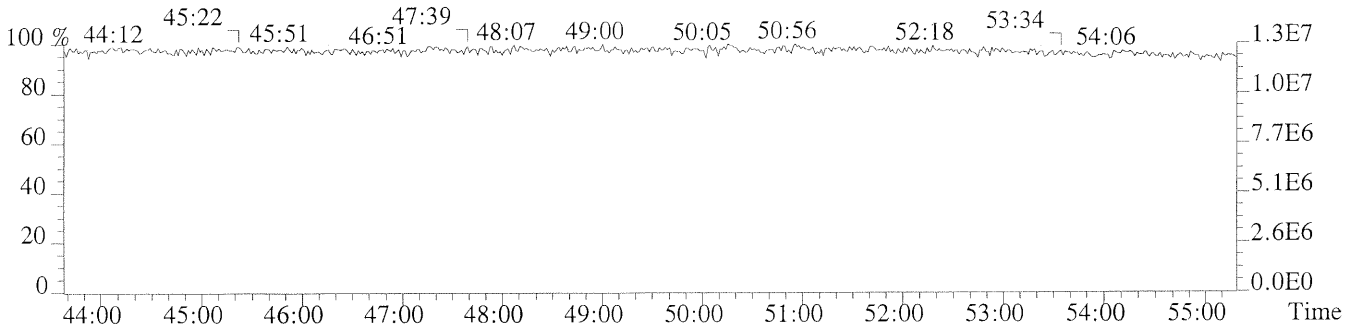
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1140.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)

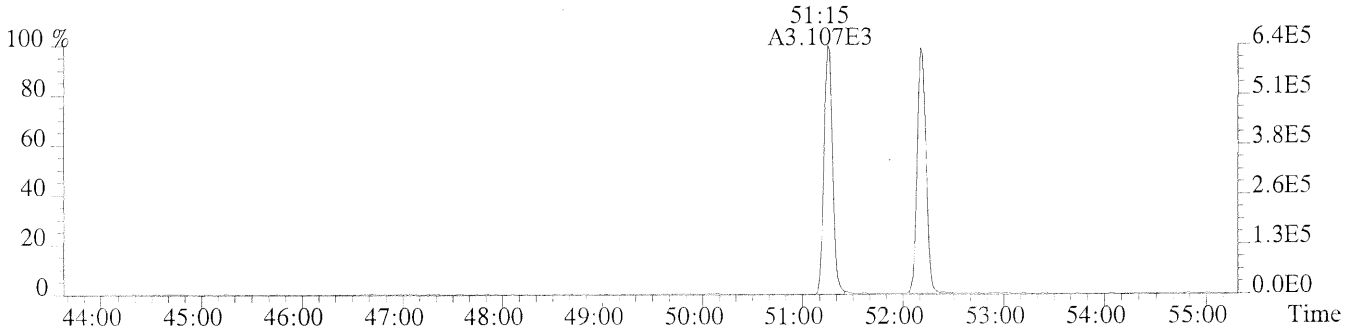


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

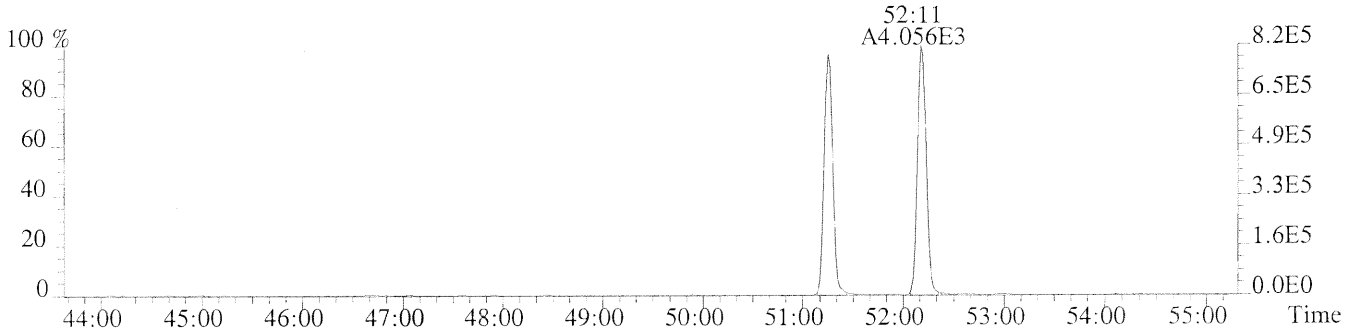


File:U142164 #1-579 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

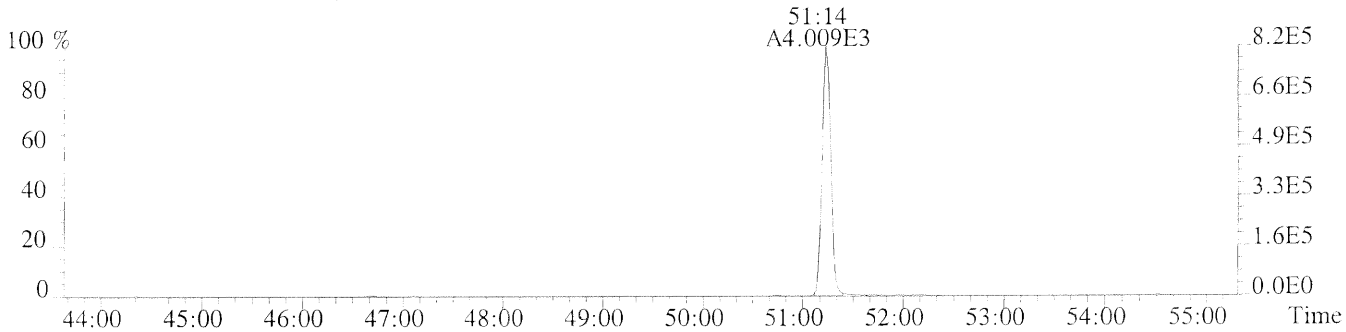
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,864.0,1.00%,F,T)



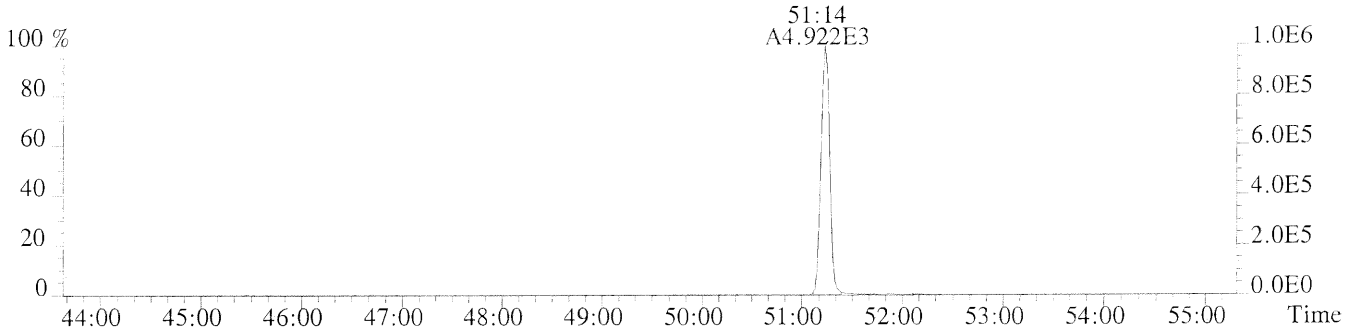
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,884.0,1.00%,F,T)



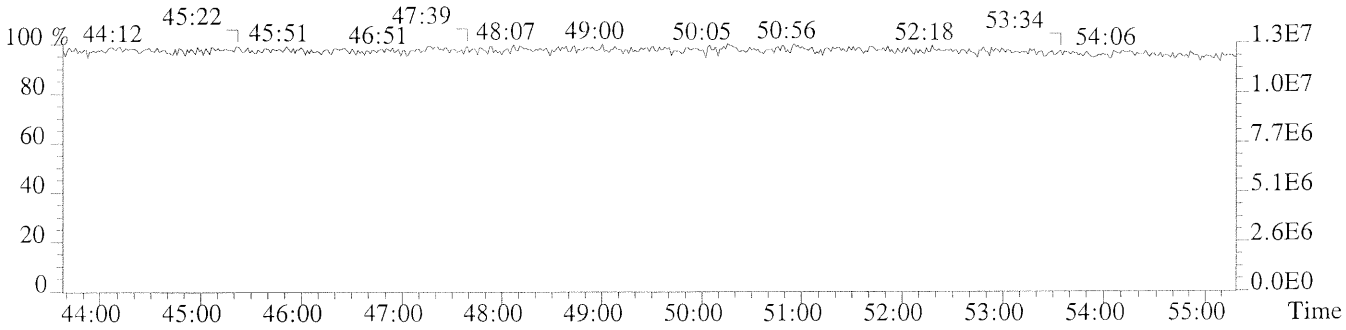
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,768.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)

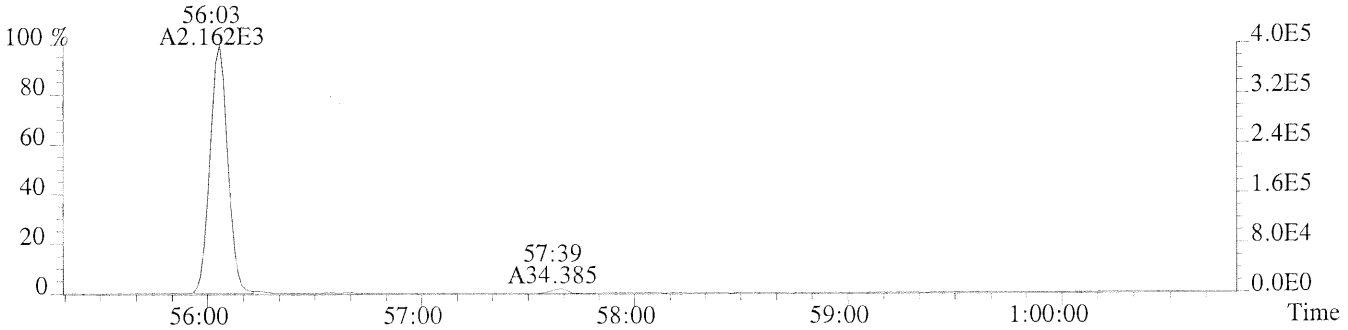


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

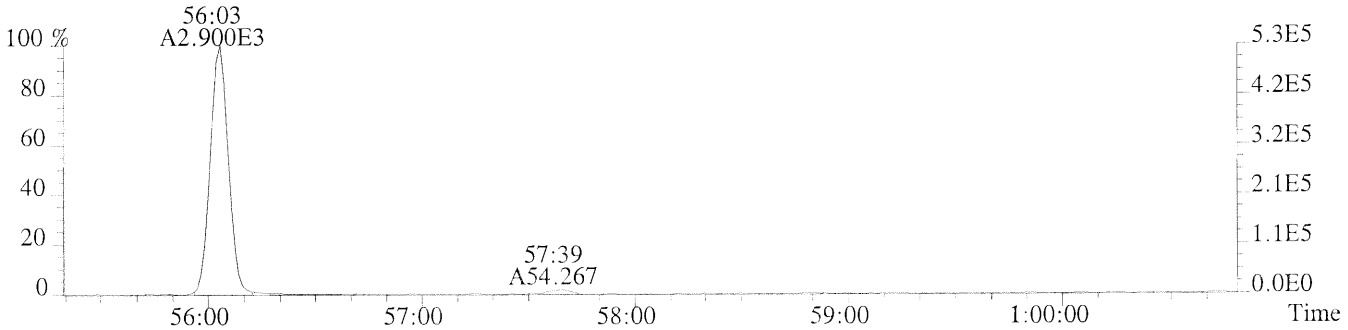


File:U142164 #1-310 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

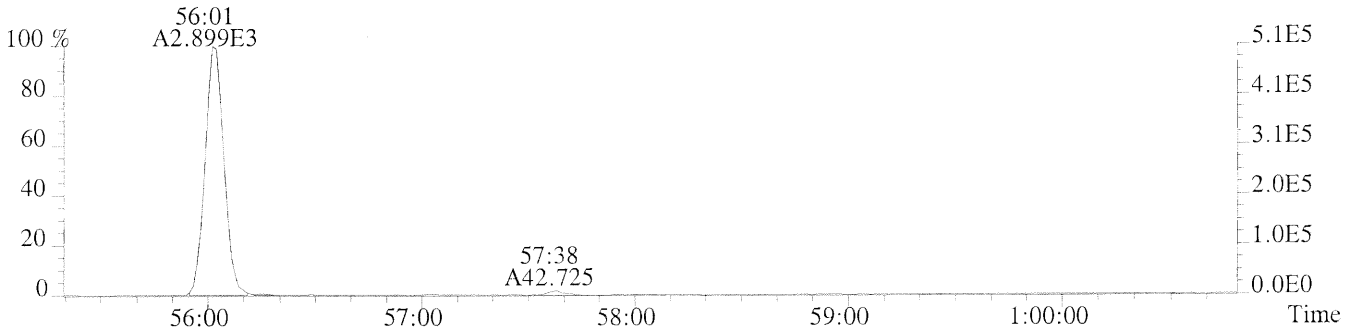
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1092.0,1.00%,F,T)



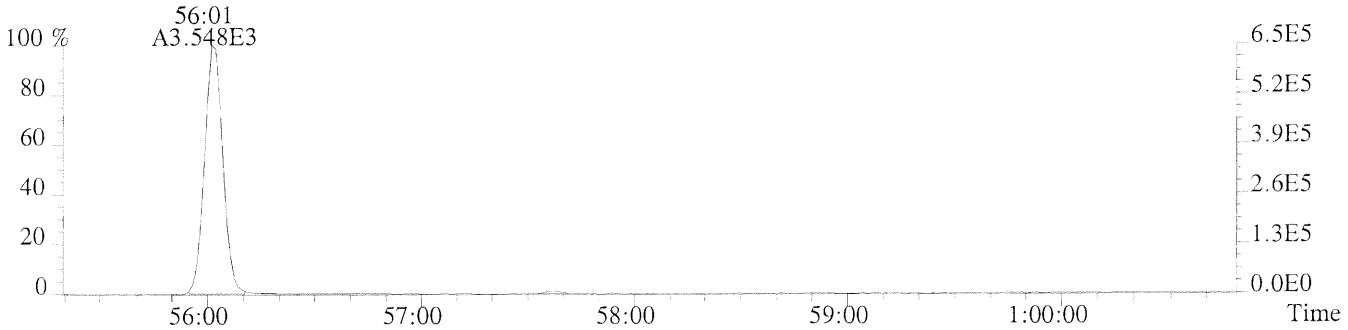
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,720.0,1.00%,F,T)



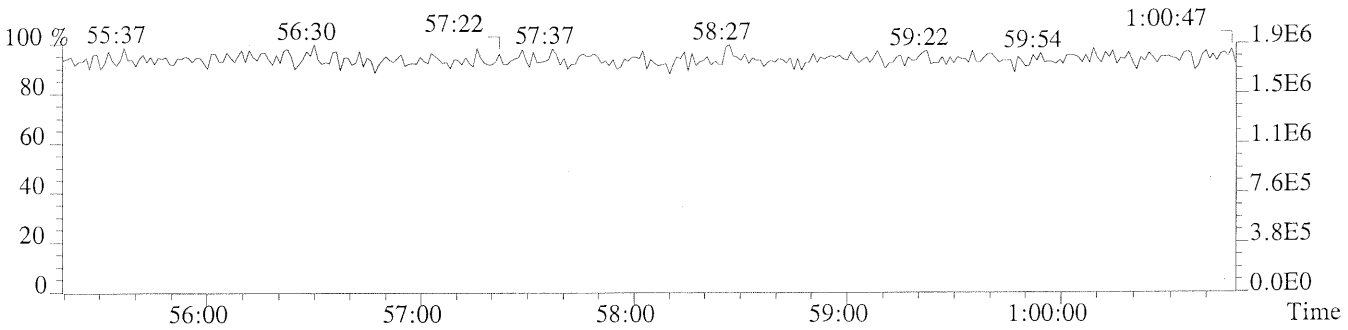
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1136.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1156.0,1.00%,F,T)

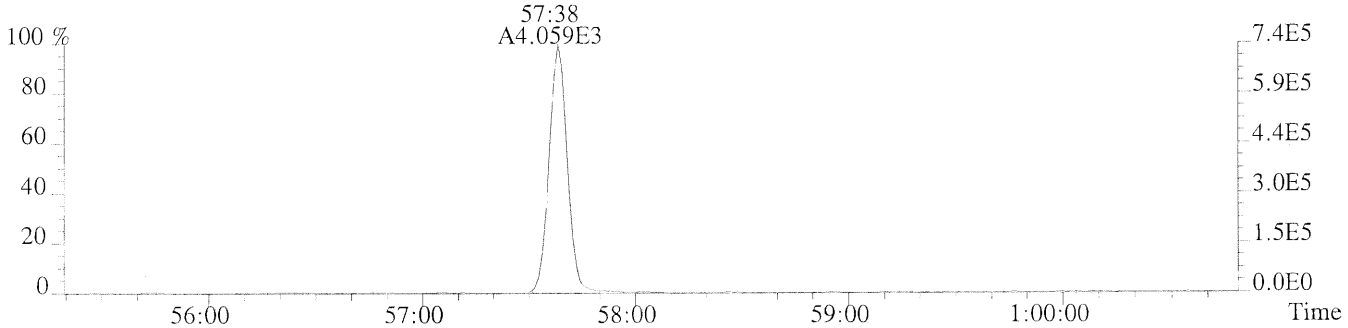


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

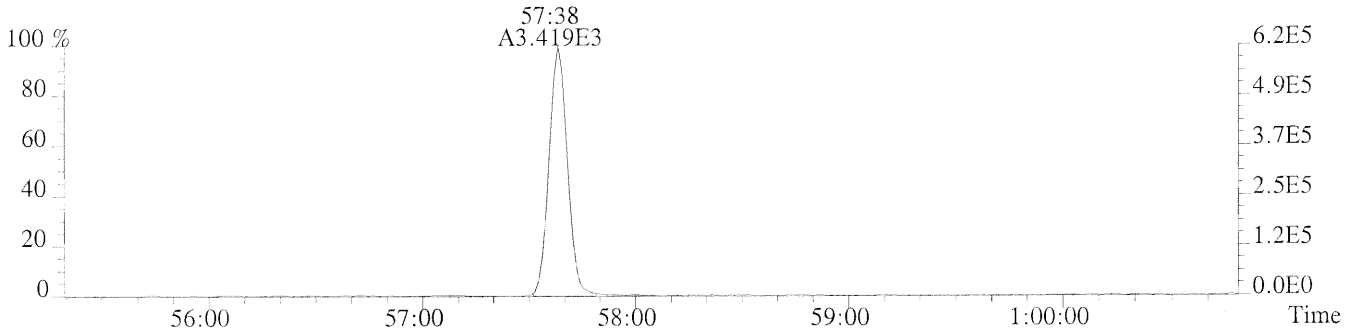


File:U142164 #1-310 Acq:23-NOV-2011 06:11:02 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

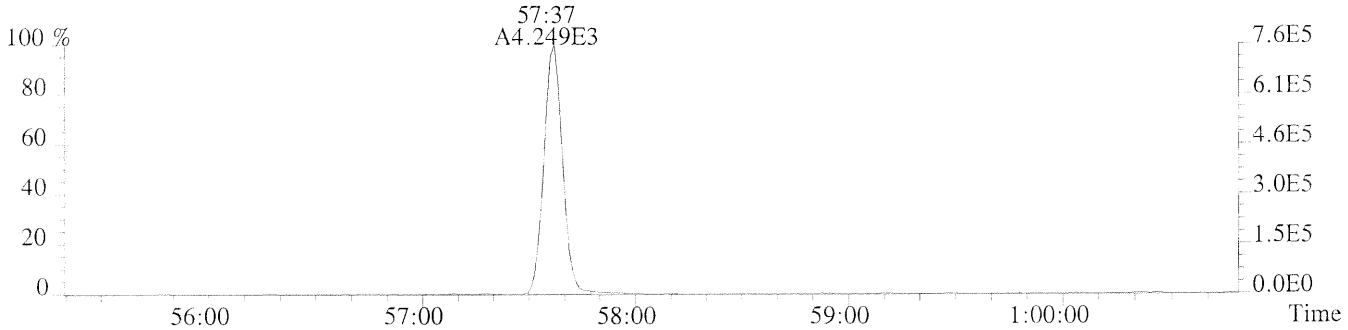
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,952.0,1.00%,F,T)



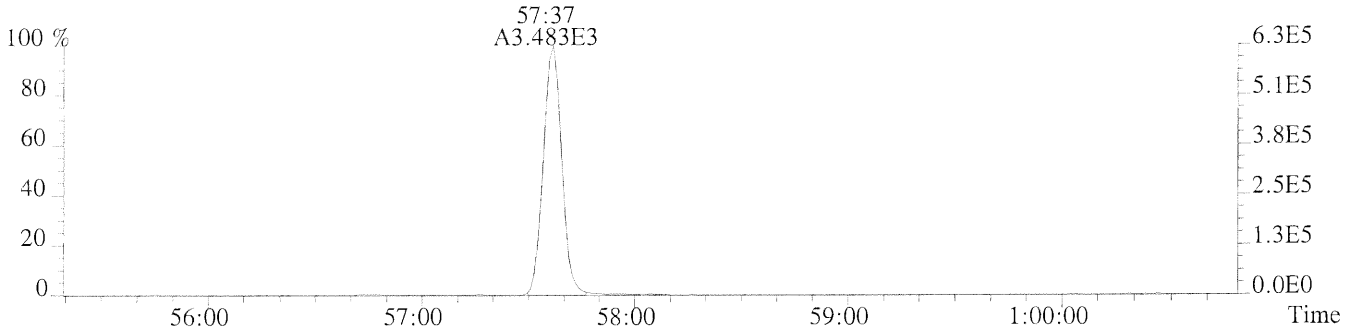
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,788.0,1.00%,F,T)



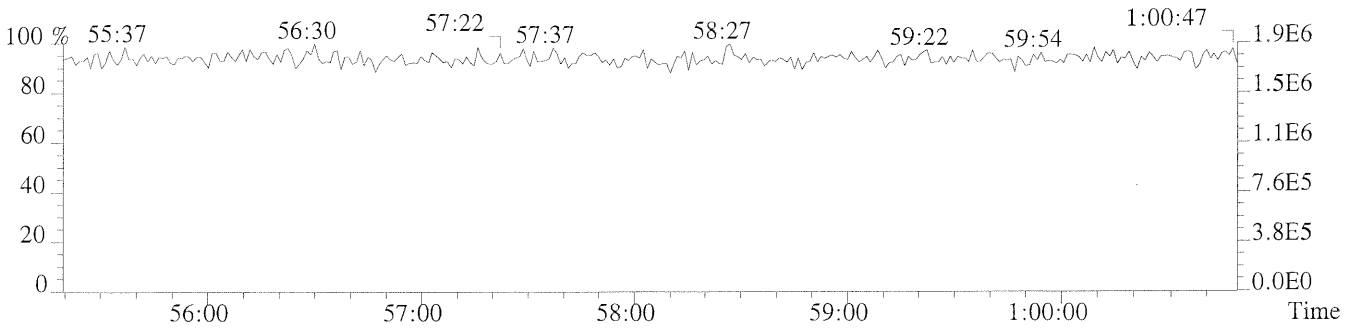
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,816.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,540.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



FORM 4A
PCB CALIBRATION VERIFICATION

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 02/23/11

Instrument ID: E-HRMS-01 GC Column ID: SPB-OCTYL

VER Data Filename: U142165 Analysis Date: 23-NOV-11 Time: 07:32:48

NATIVE ANALYTES	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	CONC. FOUND	CONC. RANGE (3) (ng/mL)
2-MoCB	M/M+2	3.01	2.66-3.60	43.9	35.0 - 65.0
4-MoCB	M/M+2	2.99	2.66-3.60	45.3	35.0 - 65.0
22'-DiCB	M/M+2	1.57	1.33-1.79	50.0	35.0 - 65.0
44'-DiCB	M/M+2	1.70	1.33-1.79	45.0	35.0 - 65.0
22'6'-TrCB	M/M+2	0.99	0.88-1.20	50.9	35.0 - 65.0
344'-TrCB	M/M+2	1.06	0.88-1.20	46.9	35.0 - 65.0
22'66'-TeCB	M/M+2	0.73	0.65-0.89	53.1	35.0 - 65.0
344'5-TeCB	M/M+2	0.78	0.65-0.89	47.6	35.0 - 65.0
33'44'-TeCB	M/M+2	0.81	0.65-0.89	49.2	35.0 - 65.0
22'466'-PeCB	M+2/M+4	1.55	1.32-1.78	50.3	35.0 - 65.0
2'344'5-PeCB	M+2/M+4	1.57	1.32-1.78	49.5	35.0 - 65.0
23'44'5-PeCB	M+2/M+4	1.74	1.32-1.78	46.6	35.0 - 65.0
2344'5-PeCB	M+2/M+4	1.62	1.32-1.78	50.0	35.0 - 65.0
233'44'-PeCB	M+2/M+4	1.57	1.32-1.78	48.3	35.0 - 65.0
33'44'5-PeCB	M+2/M+4	1.61	1.32-1.78	49.3	35.0 - 65.0
22'44'66'-HxCB	M+2/M+4	1.20	1.05-1.43	50.4	35.0 - 65.0
23'44'55'-HxCB	M+2/M+4	1.28	1.05-1.43	48.5	35.0 - 65.0
233'44'5-HxCB	M+2/M+4	1.24	1.05-1.43	97.0	70.0 -130.0
33'44'55'-HxCB	M+2/M+4	1.19	1.05-1.43	52.5	35.0 - 65.0
22'34'566'-HpCB	M+2/M+4	1.01	0.89-1.21	51.3	35.0 - 65.0
233'44'55'-HpCB	M+2/M+4	0.95	0.89-1.21	54.4	35.0 - 65.0
22'33'55'66'-OcCB	M+2/M+4	0.86	0.76-1.02	55.5	35.0 - 65.0
233'44'55'6-OcCB	M+2/M+4	0.86	0.76-1.02	52.8	35.0 - 65.0
22'33'4'55'66'-NoCB	M+2/M+4	0.77	0.65-0.89	55.9	35.0 - 65.0
22'33'44'55'6-NoCB	M+2/M+4	0.75	0.65-0.89	50.1	35.0 - 65.0
DeCB	M+4/M+6	1.18	0.99-1.33	55.3	35.0 - 65.0

(1) See Table 7, Method 1668A, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 8, Method 1668A.

(3) Contract-required concentration range as specified in Table 6, Method 1668A, under VER.

SP1668F4A

FORM 4B
PCB CALIBRATION VERIFICATION

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 02/23/11

Instrument ID: E-HRMS-01 GC Column ID: SPB-OCTYL

VER Data Filename: U142165 Analysis Date: 23-NOV-11 Time: 07:32:48

	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	CONC. FOUND	CONC. RANGE (3) (ng/mL)
LABELED COMPOUNDS					
13C-2-MoCB	M/M+2	3.00	2.66-3.60	108.1	50.0 - 150.0
13C-4-MoCB	M/M+2	3.01	2.66-3.60	107.4	50.0 - 150.0
13C-22'-DiCB	M/M+2	1.55	1.33-1.79	118.1	50.0 - 150.0
13C-44'-DiCB	M/M+2	1.52	1.33-1.79	102.5	50.0 - 150.0
13C-22'6'-TrCB	M/M+2	1.06	0.88-1.20	123.0	50.0 - 150.0
13C-344'-TrCB	M/M+2	1.04	0.88-1.20	89.4	50.0 - 150.0
13C-22'66'-TeCB	M/M+2	0.78	0.65-0.89	95.0	50.0 - 150.0
13C-344'5-TeCB	M/M+2	0.74	0.65-0.89	91.0	50.0 - 150.0
13C-33'44'-TeCB	M/M+2	0.77	0.65-0.89	86.7	50.0 - 150.0
13C-22'466'-PeCB	M+2/M+4	1.61	1.32-1.78	93.7	50.0 - 150.0
13C-2'344'5-PeCB	M+2/M+4	1.62	1.32-1.78	85.3	50.0 - 150.0
13C-23'44'5-PeCB	M+2/M+4	1.64	1.32-1.78	85.4	50.0 - 150.0
13C-2344'5-PeCB	M+2/M+4	1.54	1.32-1.78	79.2	50.0 - 150.0
13C-233'44'-PeCB	M+2/M+4	1.56	1.32-1.78	81.6	50.0 - 150.0
13C-33'44'5-PeCB	M+2/M+4	1.59	1.32-1.78	82.0	50.0 - 150.0
13C-22'44'66'-HxCB	M+2/M+4	1.25	1.05-1.43	97.5	50.0 - 150.0
13C-23'44'55'-HxCB	M+2/M+4	1.24	1.05-1.43	82.0	50.0 - 150.0
13C-233'44'5'-HxCB	M+2/M+4	1.26	1.05-1.43	165.9	100.0 - 300.0
13C-33'44'55'-HxCB	M+2/M+4	1.23	1.05-1.43	76.8	50.0 - 150.0
13C-22'34'566'-HpCB	M+2/M+4	1.06	0.89-1.21	125.1	50.0 - 150.0
13C-233'44'55'-HpCB	M+2/M+4	1.04	0.89-1.21	106.0	50.0 - 150.0
13C-22'33'55'66'-OcCB	M+2/M+4	0.90	0.76-1.02	109.1	50.0 - 150.0
13C-233'44'55'6-OcCB	M+2/M+4	0.87	0.76-1.02	101.2	50.0 - 150.0
13C-22'33'4'55'66'-NoCB	M+2/M+4	0.79	0.65-0.89	105.2	50.0 - 150.0
13C-22'33'44'55'6-NoCB	M+2/M+4	0.80	0.65-0.89	100.1	50.0 - 150.0
13C-DeCB	M+4/M+6	1.19	0.99-1.33	90.4	50.0 - 150.0
CLEANUP STANDARDS					
13C-244'-TrCB	M/M+2	1.06	0.88-1.20	87.4	50.0 - 150.0
13C-233'55'-PeCB	M+2/M+4	1.55	1.32-1.78	95.2	50.0 - 150.0
13C-22'33'55'6-HpCB	M+2/M+4	1.05	0.89-1.21	89.1	50.0 - 150.0

(1) See Table 7, Method 1668A, for m/z specifications.
(2) Ion Abundance Ratio Control Limits as specified in Table 8, Method 1668A.
(3) Contract-required concentration range, as specified in Table 6, Method 1668A, under VER.

SP1668F4B

Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
CCAL CS3

Run #7 Filename U142165 #1 Samp: 1 Inj: 1 Acquired: 23-NOV-11 07:32:48
Processed: 6-DEC-11 13:40:38 LAB. ID: CCAL CS3

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRT
1	1	2-MoCB	13:20	9.110e+03	3.027e+03	3.01	yes	no	1.001
2	3	4-MoCB	15:36	8.688e+03	2.905e+03	2.99	yes	no	1.001
3	4	22'-DiCB	15:51	6.330e+03	4.020e+03	1.57	yes	no	1.001
4	15	44'-DiCB	21:54	5.341e+03	3.140e+03	1.70	yes	no	1.001
5	19	22'6'-TrCB	19:02	3.890e+03	3.918e+03	0.99	yes	no	1.001
6	37	344'-TrCB	29:01	4.434e+03	4.195e+03	1.06	yes	no	1.001
7	54	22'66'-TeCB	22:10	4.010e+03	5.503e+03	0.73	yes	no	1.002
8	81	344'5-TeCB	35:48	3.064e+03	3.933e+03	0.78	yes	no	1.001
9	77	33'44'-TeCB	36:22	2.984e+03	3.670e+03	0.81	yes	no	1.000
10	104	22'466'-PeCB	27:45	6.243e+03	4.017e+03	1.55	yes	no	1.001
11	123	2'344'5-PeCB	38:21	4.088e+03	2.599e+03	1.57	yes	no	1.000
12	118	23'44'5-PeCB	38:41	4.107e+03	2.355e+03	1.74	yes	no	1.000
13	114	2344'5-PeCB	39:13	3.949e+03	2.436e+03	1.62	yes	no	1.000
14	105	233'44'-PeCB	39:52	3.734e+03	2.375e+03	1.57	yes	no	1.001
15	126	33'44'5-PeCB	42:58	3.253e+03	2.015e+03	1.61	yes	no	1.000
16	155	22'44'66'-HxCB	33:27	5.685e+03	4.742e+03	1.20	yes	no	1.000
17	167	23'44'55'-HxCB	44:50	2.606e+03	2.033e+03	1.28	yes	no	1.001
18	156/7	233'44'5-HxCB	45:59	4.805e+03	3.871e+03	1.24	yes	no	1.000
19	169	33'44'55'-HxCB	49:14	2.042e+03	1.715e+03	1.19	yes	no	1.000
20	188	22'34'566'-HpCB	39:12	4.560e+03	4.516e+03	1.01	yes	no	1.001
21	189	233'44'55'-HpCB	51:44	1.918e+03	2.018e+03	0.95	yes	no	1.000
22	202	22'33'55'66'-OcCB	44:35	2.633e+03	3.078e+03	0.86	yes	no	1.001
23	205	233'44'55'6-OcCB	54:18	1.817e+03	2.103e+03	0.86	yes	no	1.000
24	208	22'33'4'55'66'-NoCB	51:15	1.830e+03	2.365e+03	0.77	yes	no	1.001
25	206	22'33'44'55'6-NoCB	56:02	1.212e+03	1.607e+03	0.75	yes	no	1.001
26	209	DeCB	57:37	2.290e+03	1.934e+03	1.18	yes	no	1.000
27	1L	13C-2-MoCB	13:19	1.938e+04	6.449e+03	3.00	yes	no	0.746
28	3L	13C-4-MoCB	15:35	1.853e+04	6.161e+03	3.01	yes	no	0.873
29	4L	13C-22'-DiCB	15:50	1.131e+04	7.276e+03	1.55	yes	no	0.887
30	15L	13C-44'-DiCB	21:53	1.164e+04	7.666e+03	1.52	yes	no	1.226
31	19L	13C-22'6'-TrCB	19:01	7.878e+03	7.454e+03	1.06	yes	no	1.065
32	37L	13C-344'-TrCB	29:00	8.625e+03	8.257e+03	1.04	yes	no	1.083
33	54L	13C-22'66'-TeCB	22:08	7.824e+03	1.006e+04	0.78	yes	no	0.827
34	81L	13C-344'5-TeCB	35:46	6.032e+03	8.201e+03	0.74	yes	no	1.336
35	77L	13C-33'44'-TeCB	36:21	5.919e+03	7.658e+03	0.77	yes	no	1.358
36	104L	13C-22'466'-PeCB	27:43	1.220e+04	7.594e+03	1.61	yes	no	0.823
37	123L	13C-2'344'5-PeCB	38:20	8.220e+03	5.063e+03	1.62	yes	no	1.138
38	118L	13C-23'44'5-PeCB	38:40	8.633e+03	5.270e+03	1.64	yes	no	1.148
39	114L	13C-2344'5-PeCB	39:12	7.810e+03	5.067e+03	1.54	yes	no	1.164
40	105L	13C-233'44'-PeCB	39:50	7.621e+03	4.892e+03	1.56	yes	no	1.183
41	126L	13C-33'44'5-PeCB	42:57	6.840e+03	4.300e+03	1.59	yes	no	1.275
42	155L	13C-22'44'66'-HxCB	33:26	1.163e+04	9.302e+03	1.25	yes	no	0.800
43	167L	13C-23'44'55'-HxCB	44:48	5.254e+03	4.233e+03	1.24	yes	no	1.072
44	156/7	13C-233'44'5'-HxCB	45:59	9.923e+03	7.866e+03	1.26	yes	no	1.101
45	169L	13C-33'44'55'-HxCB	49:13	3.978e+03	3.236e+03	1.23	yes	no	1.178
46	188L	13C-22'34'566'-HpCB	39:10	9.174e+03	8.679e+03	1.06	yes	no	0.728
47	189L	13C-233'44'55'-HpCB	51:43	4.276e+03	4.114e+03	1.04	yes	no	0.961
48	202L	13C-22'33'55'66'-OcCB	44:33	5.642e+03	6.272e+03	0.90	yes	no	0.828
49	205L	13C-233'44'55'6-OcCB	54:17	3.894e+03	4.456e+03	0.87	yes	no	1.009
50	208L	13C-22'33'4'55'66'-NoCB	51:13	3.750e+03	4.767e+03	0.79	yes	no	0.952
51	206L	13C-22'33'44'55'6-NoCB	56:00	2.684e+03	3.361e+03	0.80	yes	no	1.041
52	209L	13C-DeCB	57:36	4.647e+03	3.902e+03	1.19	yes	no	1.070

53	28L	13C-244'-TrCB	24:56	1.028e+04	9.728e+03	1.06	yes	no	0.932
54	111L	13C-233'55'-PeCB	36:22	1.085e+04	6.983e+03	1.55	yes	no	1.080
55	178L	13C-22'33'55'6-HpCB	42:14	5.703e+03	5.421e+03	1.05	yes	no	1.011
56	9L	13C-2,5-DiCB	17:51	1.185e+04	7.742e+03	1.53	yes	no	*
57	52L	13C-22'55'-TeCB	26:46	7.206e+03	9.305e+03	0.77	yes	no	*
58	101L	13C-22'4'55'-PeCB	33:41	9.198e+03	5.932e+03	1.55	yes	no	*
59	138L	13C-22'3'44'5'-HxCB	41:47	7.297e+03	5.814e+03	1.26	yes	no	*
60	194L	13C-22'33'44'55'-OcCB	53:49	2.872e+03	3.181e+03	0.90	yes	no	*

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
CCAL CS3

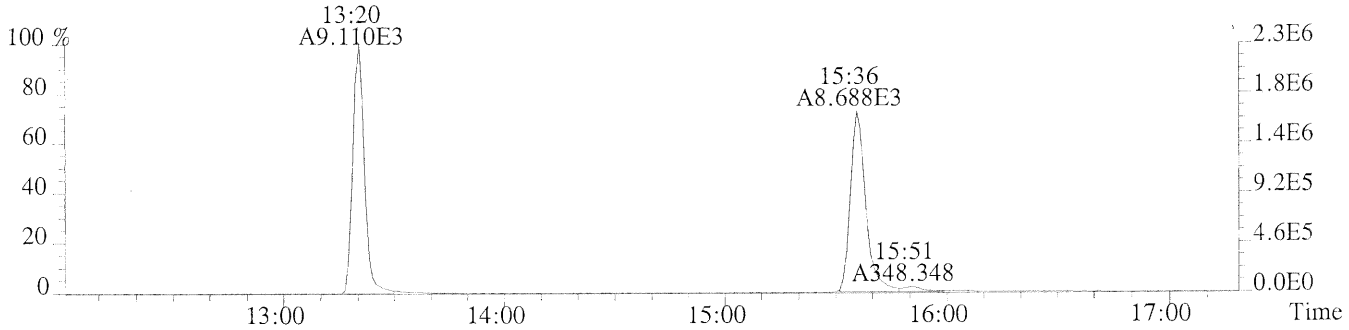
Run #7 Filename U142165 Samp: 1 Inj: 1 Acquired: 23-NOV-11 07:32:48
Processed: 6-DEC-11 13:40:381 LAB. ID: CCAL CS3

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2-MoCB	2.31e+06	8.84e+02	2.6e+03	7.58e+05	1.06e+03	7.2e+02
2	4-MoCB	1.68e+06	8.84e+02	1.9e+03	5.54e+05	1.06e+03	5.2e+02
3	22'-DiCB	1.37e+06	1.88e+03	7.3e+02	8.44e+05	1.08e+04	7.8e+01
4	44'-DiCB	8.70e+05	1.72e+03	5.1e+02	5.39e+05	1.84e+04	2.9e+01
5	22'6'-TrCB	8.41e+05	1.33e+03	6.3e+02	8.17e+05	8.40e+02	9.7e+02
6	344'-TrCB	6.80e+05	1.19e+03	5.7e+02	6.28e+05	1.24e+03	5.1e+02
7	22'66'-TeCB	8.11e+05	6.92e+02	1.2e+03	1.11e+06	6.72e+02	1.6e+03
8	344'5-TeCB	4.92e+05	9.64e+02	5.1e+02	6.37e+05	1.31e+03	4.9e+02
9	33'44'-TeCB	4.43e+05	9.64e+02	4.6e+02	5.42e+05	1.31e+03	4.1e+02
10	22'466'-PeCB	1.13e+06	7.16e+02	1.6e+03	7.23e+05	1.02e+03	7.1e+02
11	2'344'5-PeCB	6.89e+05	2.42e+03	2.9e+02	4.49e+05	8.09e+03	5.6e+01
12	23'44'5-PeCB	6.91e+05	2.42e+03	2.9e+02	4.09e+05	8.09e+03	5.1e+01
13	2344'5-PeCB	6.60e+05	2.42e+03	2.7e+02	4.33e+05	8.09e+03	5.4e+01
14	233'44'-PeCB	6.20e+05	2.42e+03	2.6e+02	4.06e+05	8.09e+03	5.0e+01
15	33'44'5-PeCB	4.90e+05	2.42e+03	2.0e+02	3.13e+05	8.09e+03	3.9e+01
16	22'44'66'-HxCB	1.01e+06	7.32e+02	1.4e+03	8.36e+05	1.37e+03	6.1e+02
17	23'44'55'-HxCB	5.26e+05	1.76e+03	3.0e+02	4.16e+05	1.59e+03	2.6e+02
18	233'44'5-HxCB	7.10e+05	1.76e+03	4.0e+02	5.86e+05	1.59e+03	3.7e+02
19	33'44'55'-HxCB	3.83e+05	1.76e+03	2.2e+02	3.15e+05	1.59e+03	2.0e+02
20	22'34'566'-HpCB	7.95e+05	1.05e+03	7.6e+02	7.90e+05	6.60e+02	1.2e+03
21	233'44'55'-HpCB	3.78e+05	1.66e+03	2.3e+02	3.99e+05	1.02e+03	3.9e+02
22	22'33'55'66'-OcCB	5.53e+05	1.09e+03	5.1e+02	6.33e+05	9.64e+02	6.6e+02
23	233'44'55'6-OcCB	3.62e+05	1.09e+03	3.3e+02	4.18e+05	9.64e+02	4.3e+02
24	22'33'4'55'66'-NoCB	3.70e+05	1.11e+03	3.3e+02	4.71e+05	1.19e+03	4.0e+02
25	22'33'44'55'6-NoCB	2.12e+05	8.68e+02	2.4e+02	2.93e+05	1.09e+03	2.7e+02
26	DeCB	4.09e+05	9.08e+02	4.5e+02	3.35e+05	8.44e+02	4.0e+02
27	13C-2-MoCB	4.97e+06	3.37e+03	1.5e+03	1.66e+06	8.65e+03	1.9e+02
28	13C-4-MoCB	3.59e+06	3.37e+03	1.1e+03	1.19e+06	8.65e+03	1.4e+02
29	13C-22'-DiCB	2.33e+06	1.58e+03	1.5e+03	1.52e+06	1.24e+03	1.2e+03
30	13C-44'-DiCB	1.85e+06	1.78e+03	1.0e+03	1.23e+06	1.59e+03	7.7e+02
31	13C-22'6'-TrCB	1.65e+06	1.16e+04	1.4e+02	1.59e+06	9.26e+03	1.7e+02
32	13C-344'-TrCB	1.29e+06	1.25e+04	1.0e+02	1.23e+06	1.00e+04	1.2e+02
33	13C-22'66'-TeCB	1.56e+06	1.70e+03	9.2e+02	1.98e+06	7.72e+02	2.6e+03
34	13C-344'5-TeCB	9.59e+05	1.89e+03	5.1e+02	1.30e+06	4.96e+02	2.6e+03
35	13C-33'44'-TeCB	8.81e+05	1.89e+03	4.7e+02	1.12e+06	4.96e+02	2.3e+03
36	13C-22'466'-PeCB	2.11e+06	1.17e+03	1.8e+03	1.35e+06	9.52e+02	1.4e+03
37	13C-2'344'5-PeCB	1.40e+06	4.46e+03	3.1e+02	9.09e+05	9.83e+03	9.2e+01
38	13C-23'44'5-PeCB	1.43e+06	4.46e+03	3.2e+02	9.31e+05	9.83e+03	9.5e+01
39	13C-2344'5-PeCB	1.30e+06	4.46e+03	2.9e+02	8.68e+05	9.83e+03	8.8e+01
40	13C-233'44'-PeCB	1.21e+06	4.46e+03	2.7e+02	7.93e+05	9.83e+03	8.1e+01
41	13C-33'44'5-PeCB	9.85e+05	4.46e+03	2.2e+02	6.48e+05	9.83e+03	6.6e+01
42	13C-22'44'66'-HxCB	2.07e+06	8.80e+02	2.4e+03	1.66e+06	5.92e+02	2.8e+03
43	13C-23'44'55'-HxCB	1.09e+06	4.28e+03	2.5e+02	8.70e+05	2.06e+03	4.2e+02
44	13C-233'44'5'-HxCB	1.49e+06	4.28e+03	3.5e+02	1.18e+06	2.06e+03	5.7e+02
45	13C-33'44'55'-HxCB	7.53e+05	4.28e+03	1.8e+02	5.91e+05	2.06e+03	2.9e+02
46	13C-22'34'566'-HpCB	1.64e+06	1.16e+03	1.4e+03	1.55e+06	9.24e+02	1.7e+03
47	13C-233'44'55'-HpCB	8.44e+05	1.44e+03	5.9e+02	8.23e+05	8.52e+02	9.7e+02
48	13C-22'33'55'66'-OcCB	1.17e+06	8.96e+02	1.3e+03	1.31e+06	9.08e+02	1.4e+03
49	13C-233'44'55'6-OcCB	7.83e+05	8.96e+02	8.7e+02	8.85e+05	9.08e+02	9.7e+02
50	13C-22'33'4'55'66'-NoCB	7.80e+05	1.06e+03	7.4e+02	9.91e+05	9.88e+02	1.0e+03
51	13C-22'33'44'55'6-NoCB	4.84e+05	8.52e+02	5.7e+02	6.03e+05	9.32e+02	6.5e+02
52	13C-DeCB	8.28e+05	7.84e+02	1.1e+03	6.95e+05	9.44e+02	7.4e+02

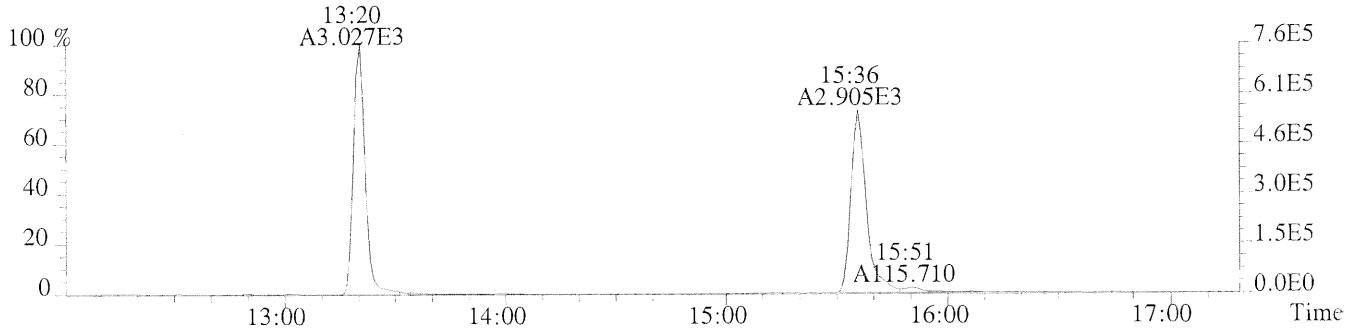
53	13C-244'-TrCB	1.67e+06	1.25e+04	1.3e+02	1.60e+06	1.00e+04	1.6e+02
54	13C-233'55'-PeCB	1.89e+06	1.53e+03	1.2e+03	1.20e+06	7.16e+02	1.7e+03
55	13C-22'33'55'6-HpCB	9.63e+05	1.16e+03	8.3e+02	9.18e+05	9.24e+02	9.9e+02
56	13C-2,5-DiCB	2.44e+06	1.78e+03	1.4e+03	1.59e+06	1.59e+03	1.0e+03
57	13C-22'55'-TeCB	1.26e+06	1.86e+03	6.8e+02	1.62e+06	1.27e+03	1.3e+03
58	13C-22'4'55'-PeCB	1.65e+06	1.53e+03	1.1e+03	1.04e+06	7.16e+02	1.5e+03
59	13C-22'3'44'5'-HxCB	1.24e+06	1.21e+03	1.0e+03	9.83e+05	1.14e+03	8.6e+02
60	13C-22'33'44'55'-OcCB	5.61e+05	8.96e+02	6.3e+02	6.25e+05	9.08e+02	6.9e+02

File:U142165 #1-341 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

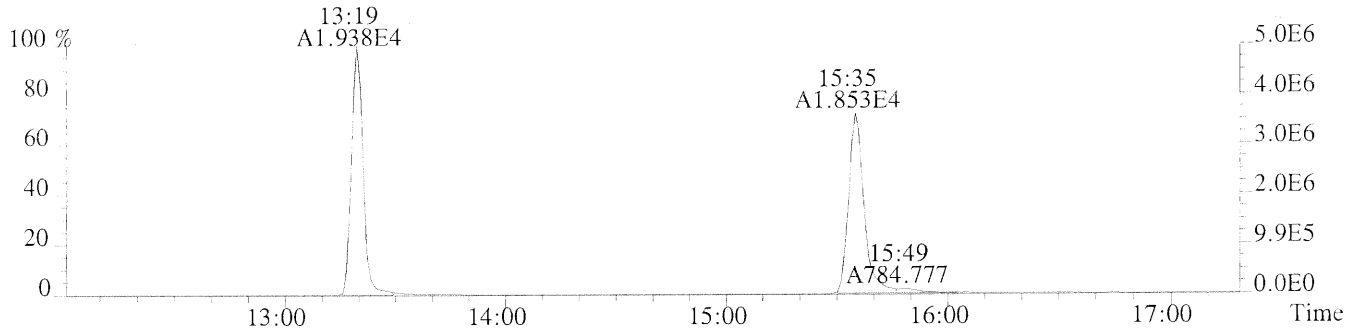
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,884.0,1.00%,F,T)



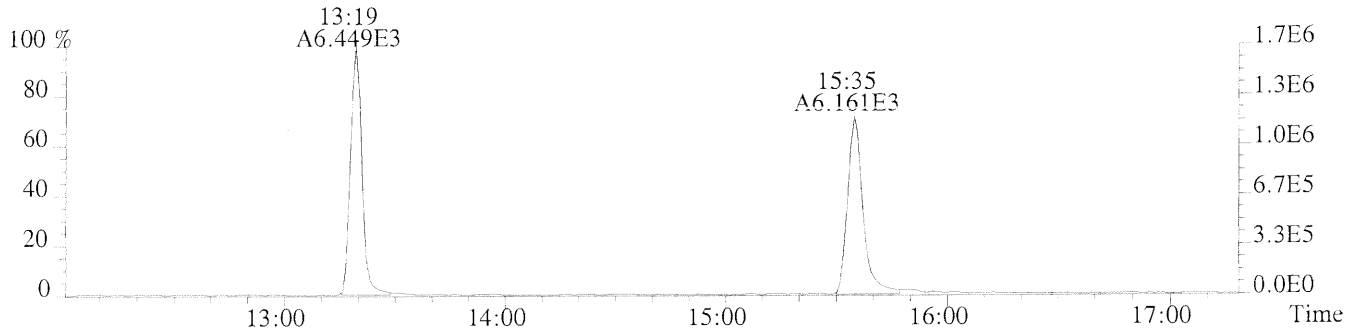
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1060.0,1.00%,F,T)



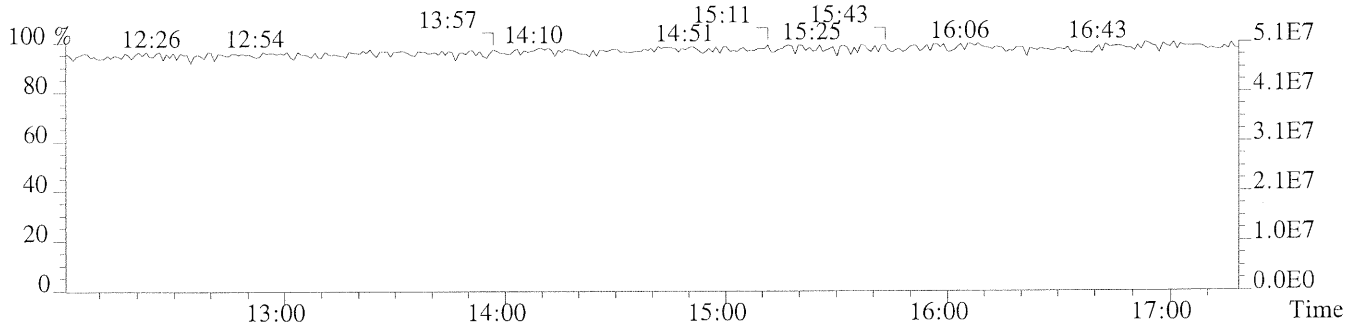
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3372.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8652.0,1.00%,F,T)

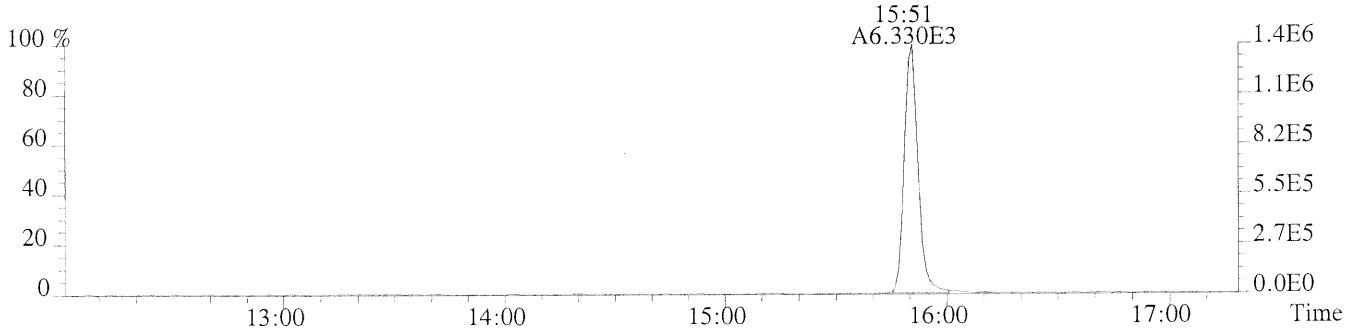


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

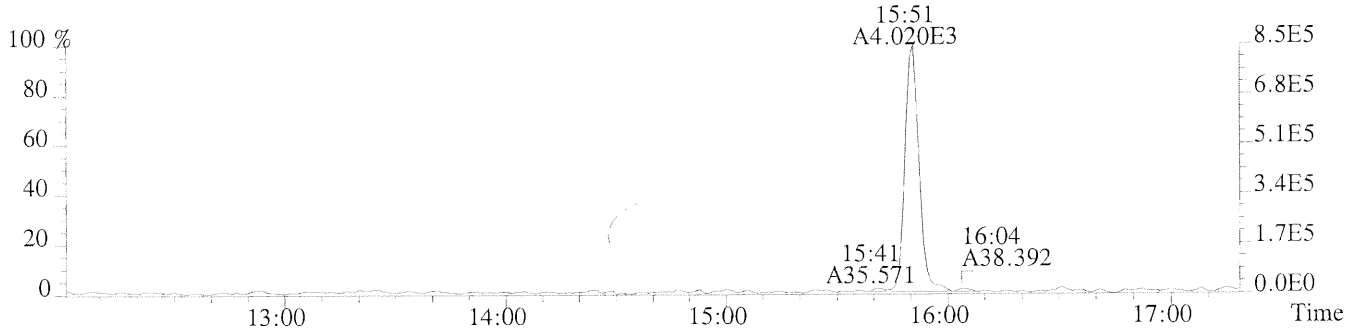


File:U142165 #1-341 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

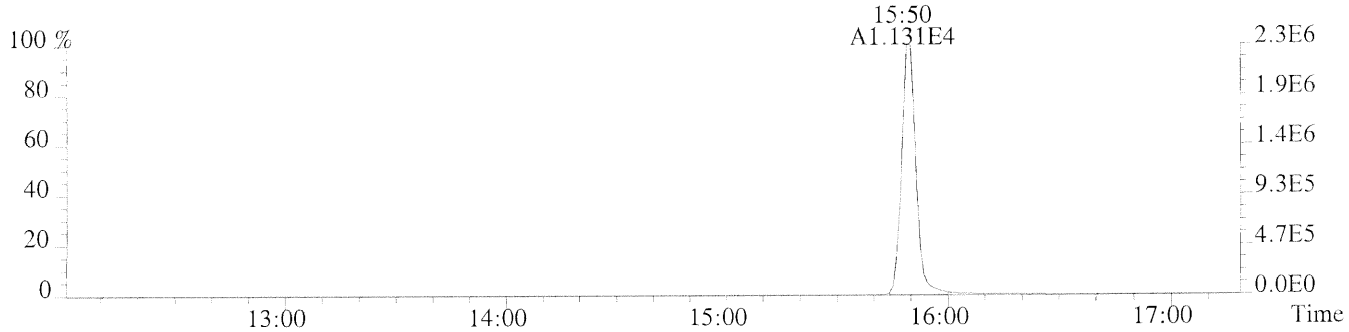
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1880.0,1.00%,F,T)



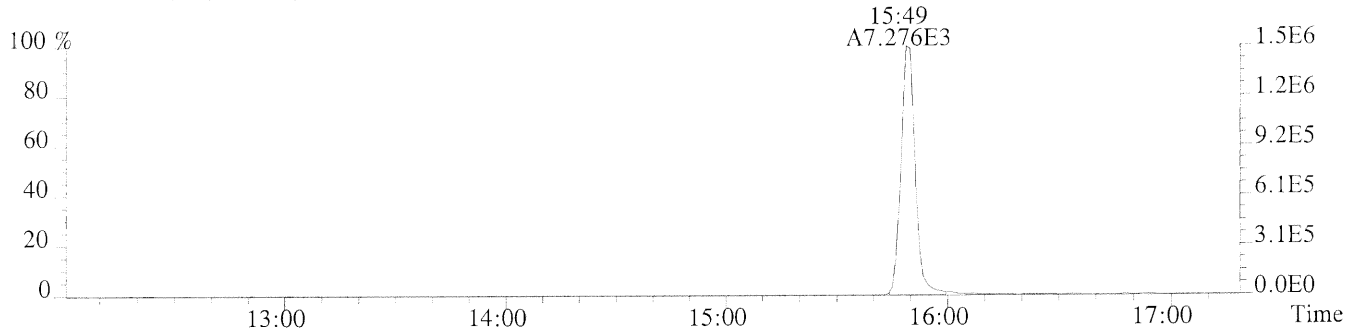
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10812.0,1.00%,F,T)



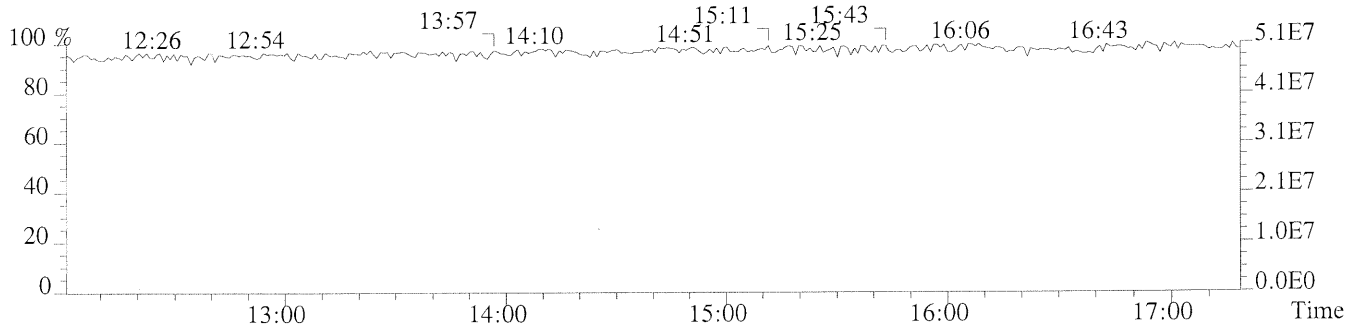
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1584.0,1.00%,F,T)



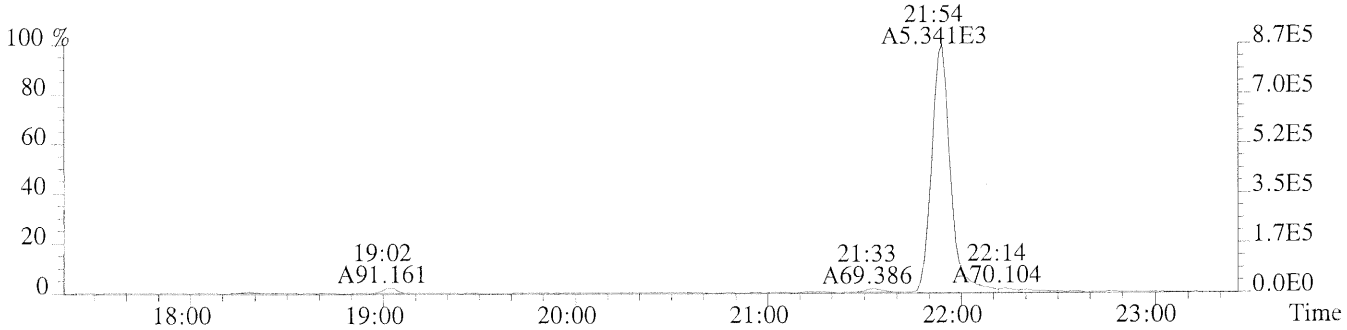
236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1240.0,1.00%,F,T)



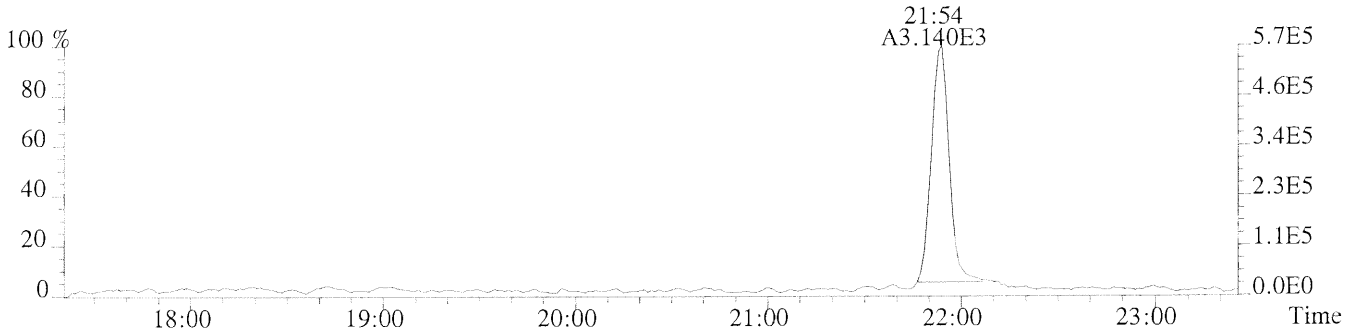
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



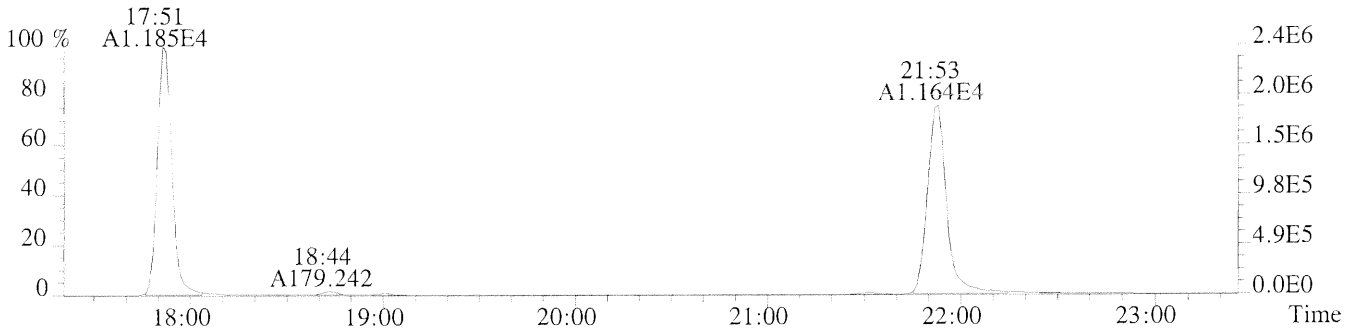
File:U142165 #1-336 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1720.0,1.00%,F,T)



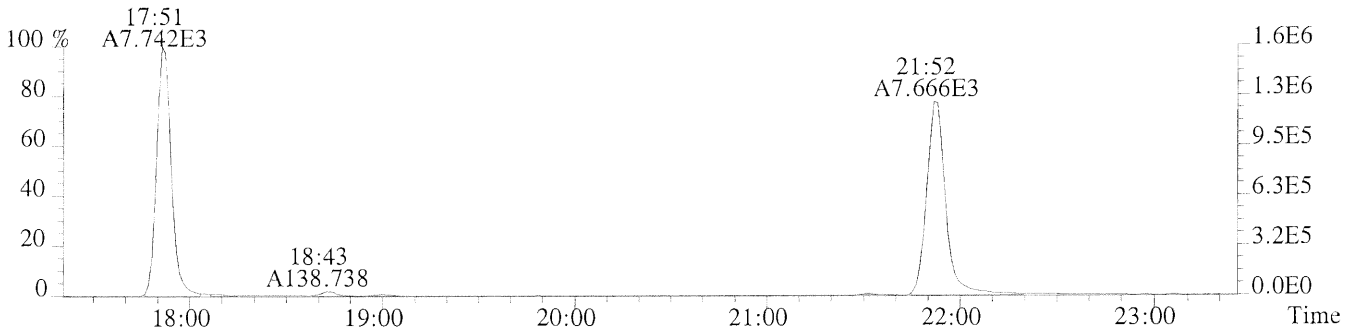
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18372.0,1.00%,F,T)



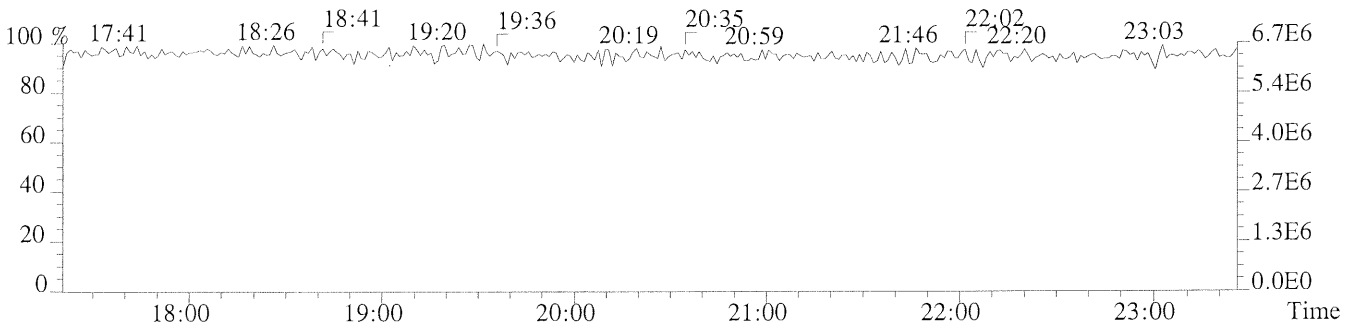
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1780.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1592.0,1.00%,F,T)

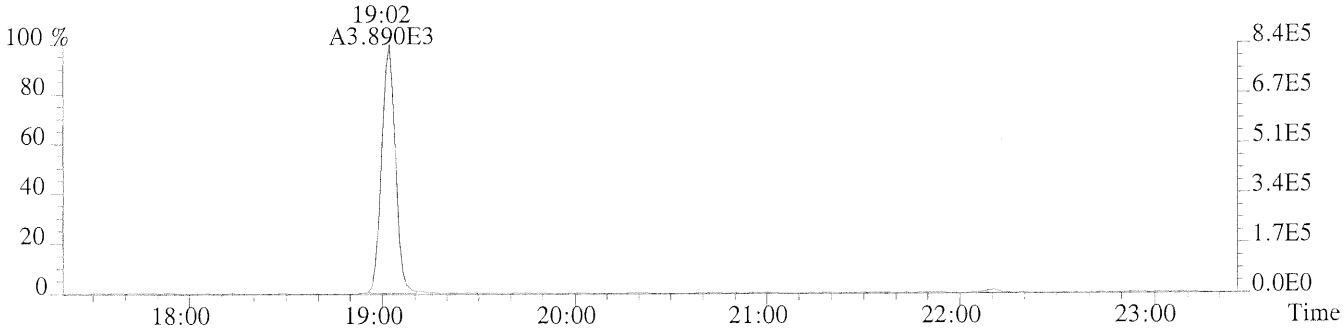


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

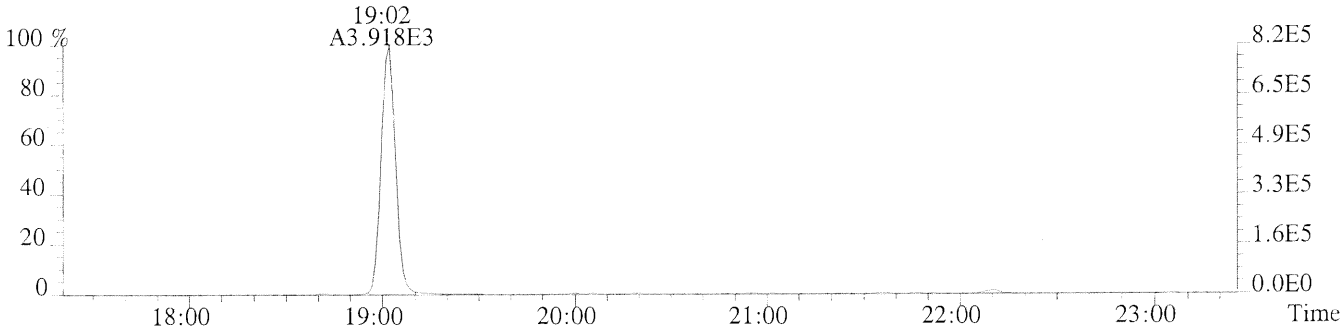


File:U142165 #1-336 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

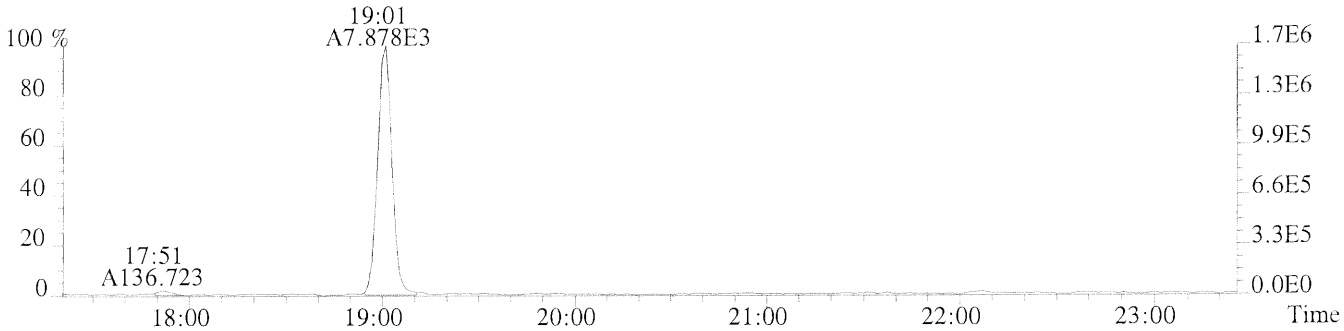
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1332.0,1.00%,F,T)



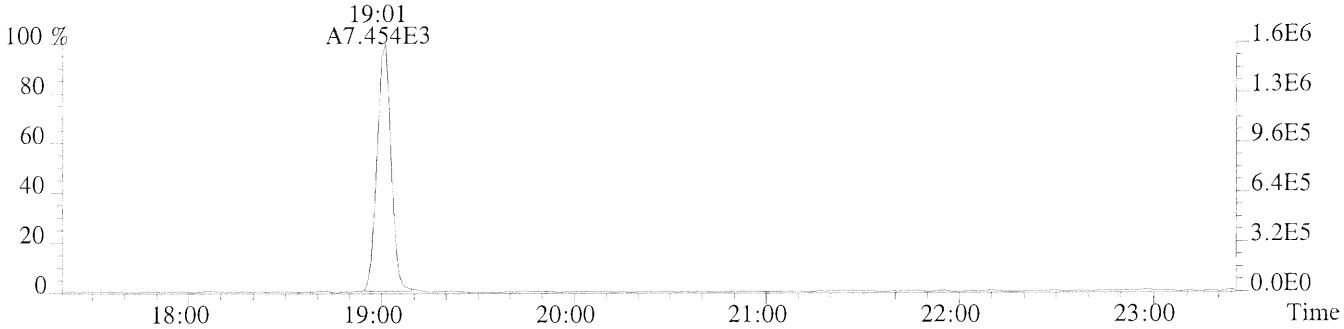
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,840.0,1.00%,F,T)



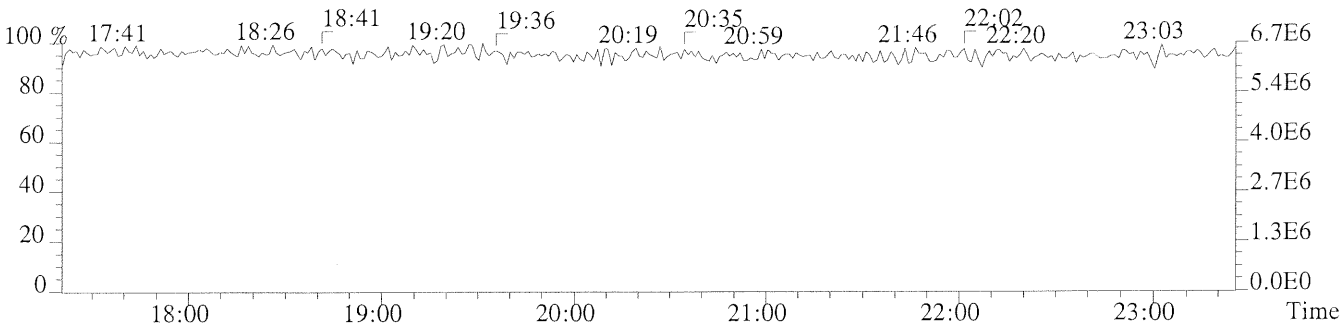
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11612.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9260.0,1.00%,F,T)

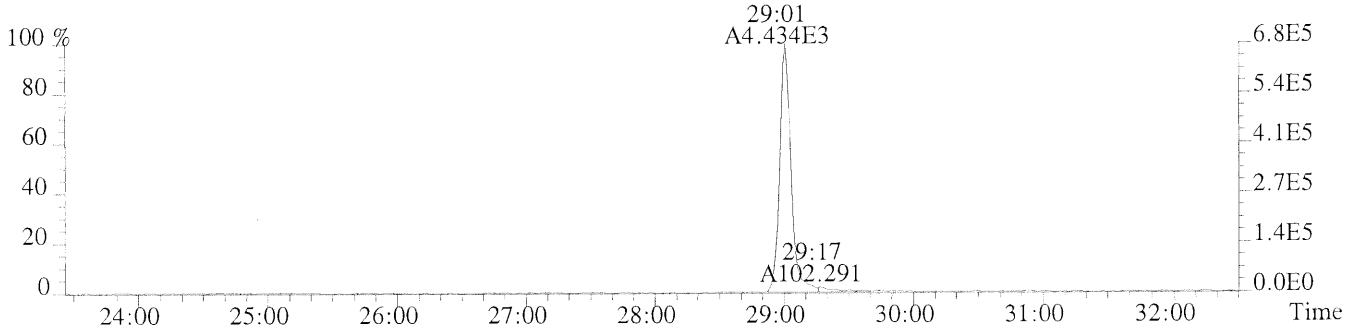


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

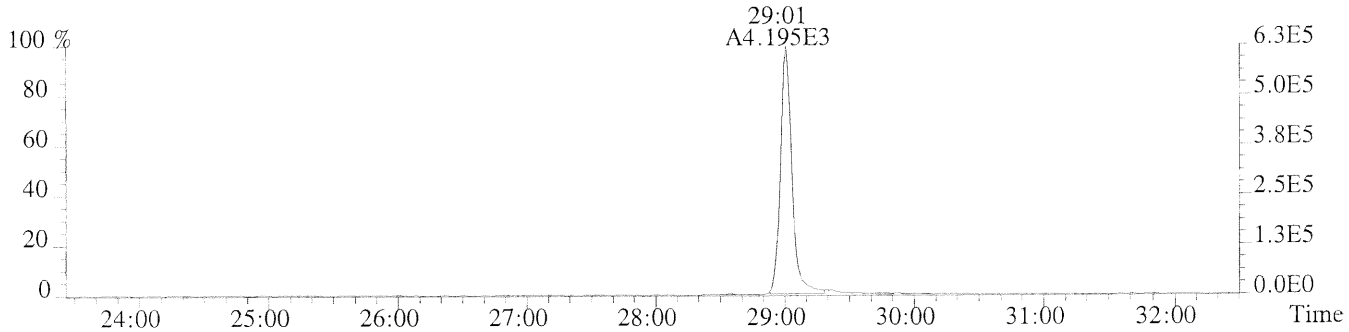


File:U142165 #1-580 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

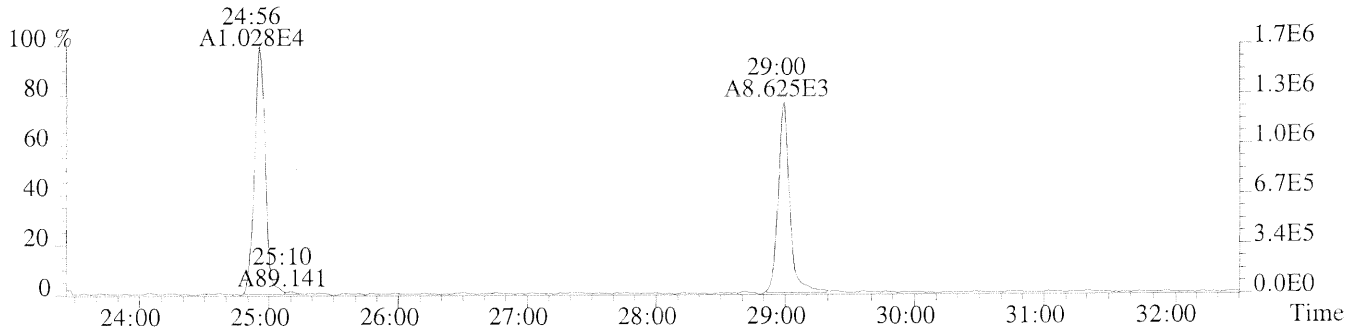
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1192.0,1.00%,F,T)



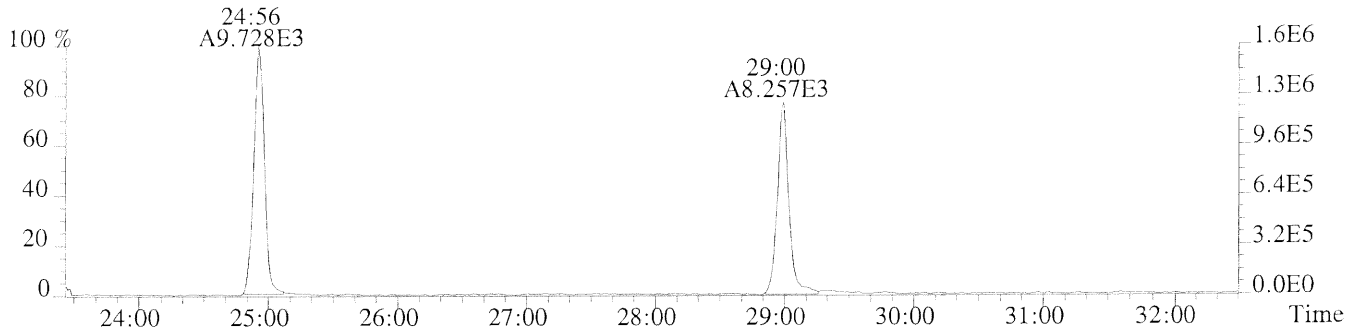
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1240.0,1.00%,F,T)



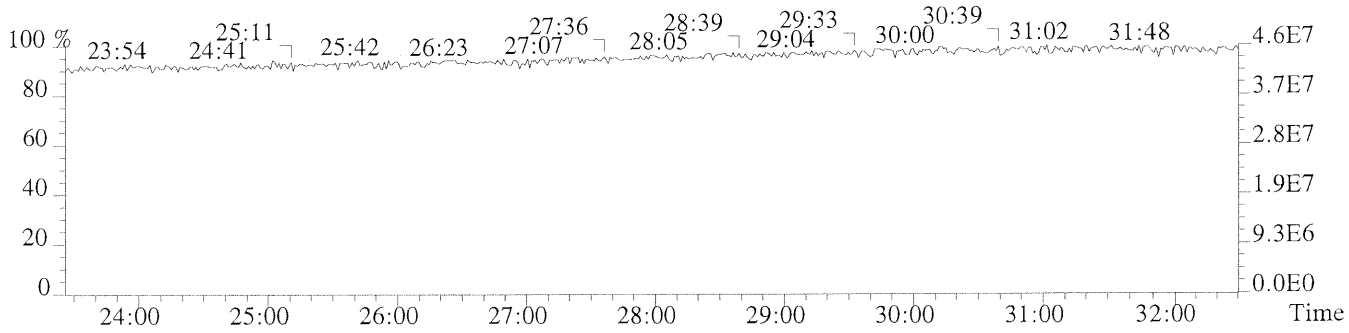
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12460.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10016.0,1.00%,F,T)

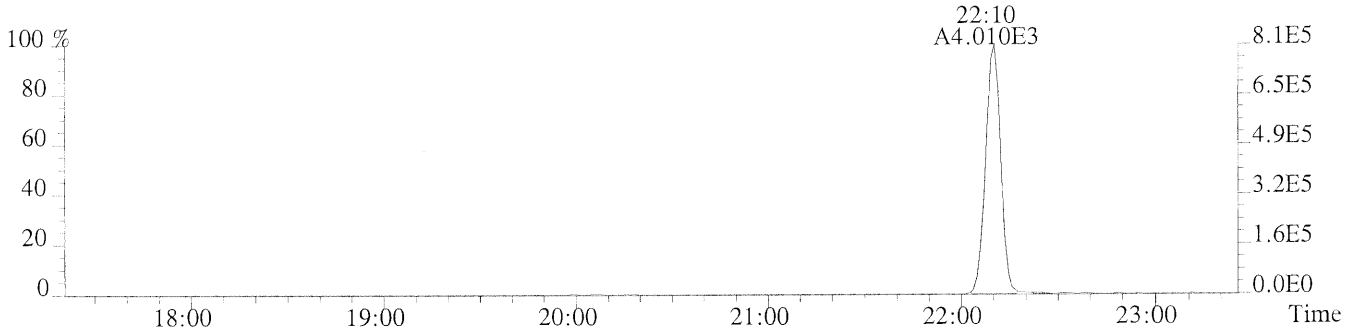


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

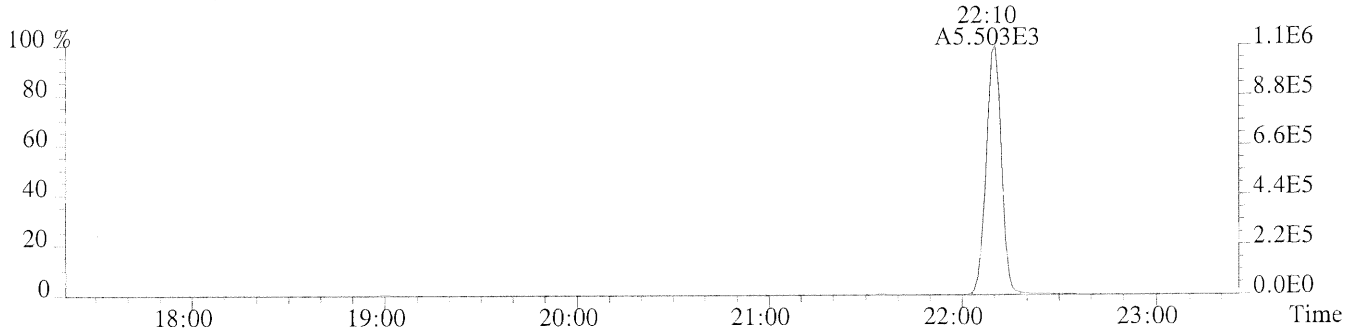


File:U142165 #1-336 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

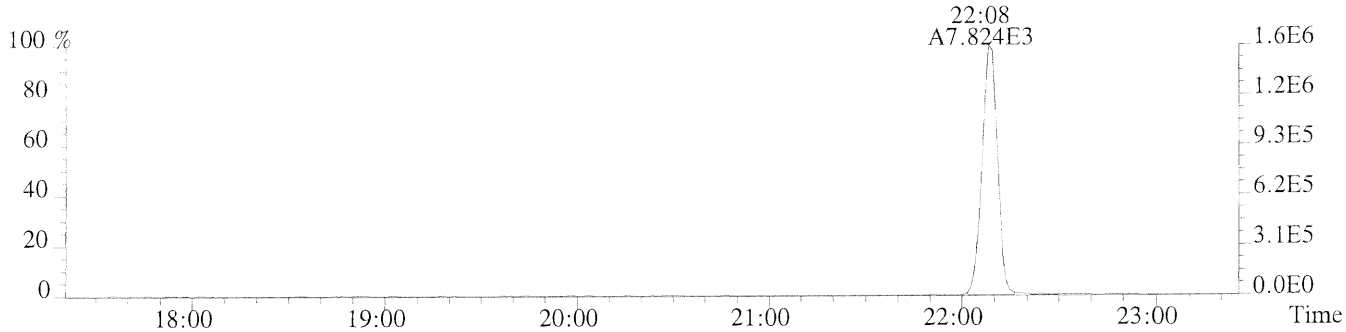
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,692.0,1.00%,F,T)



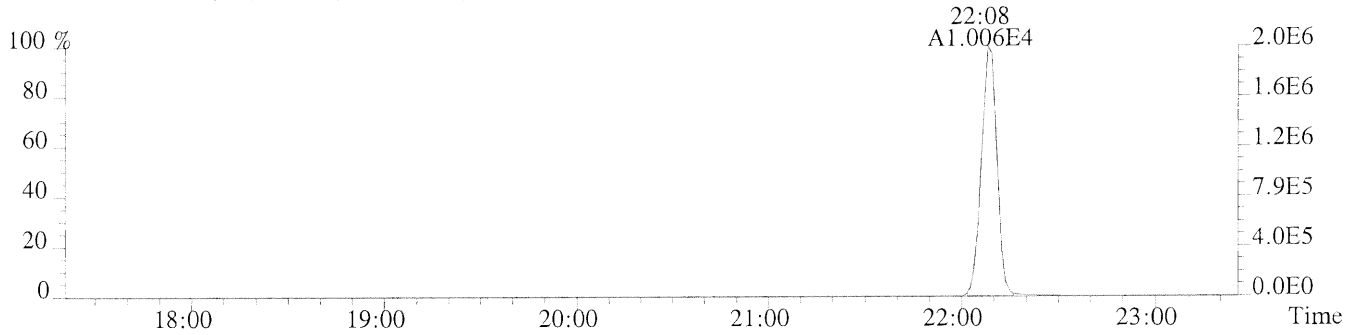
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,672.0,1.00%,F,T)



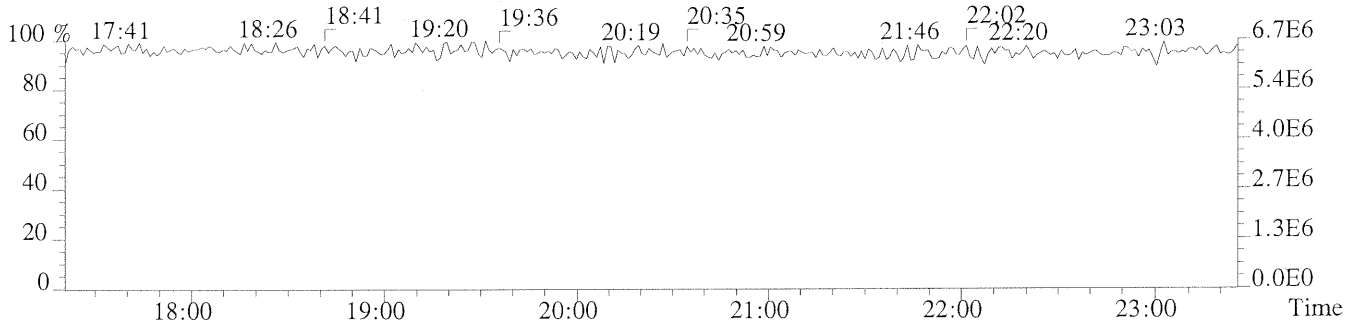
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1696.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,772.0,1.00%,F,T)

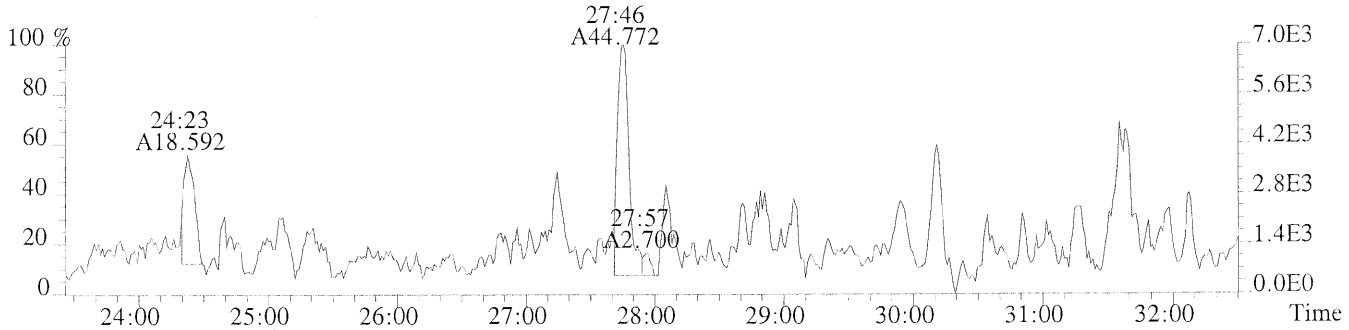


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

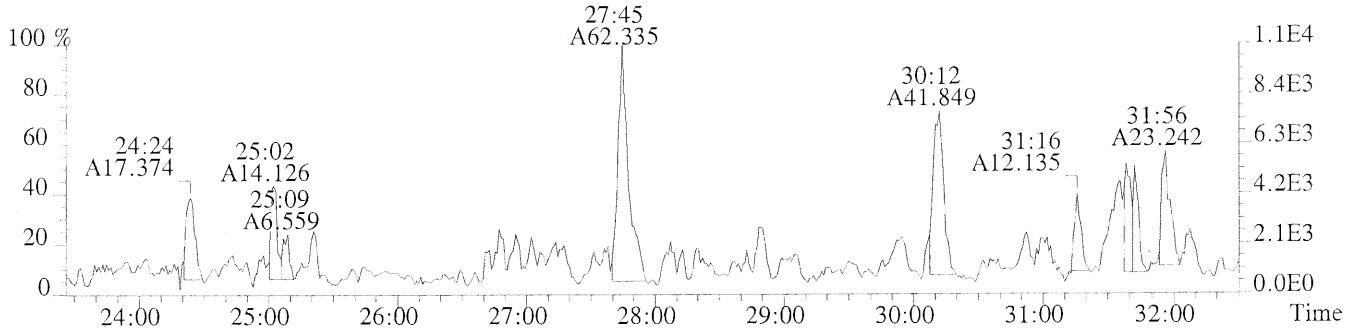


File:U142165 #1-580 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

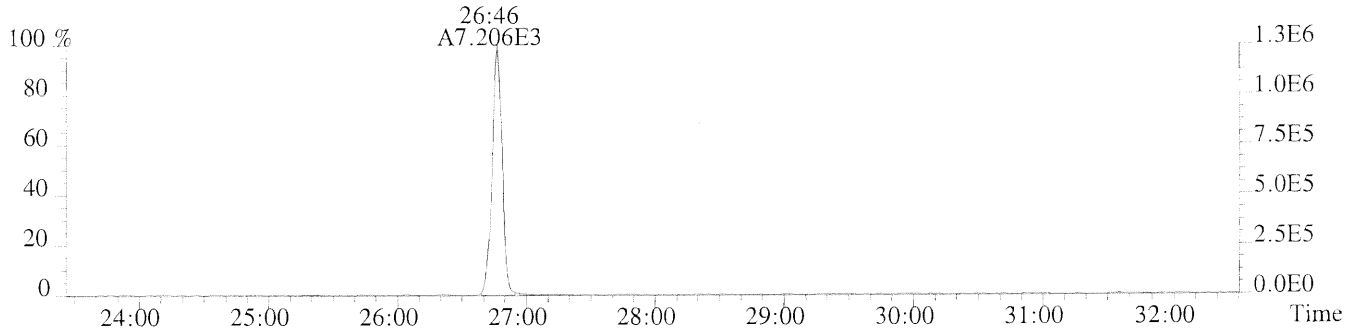
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1488.0,1.00%,F,T)



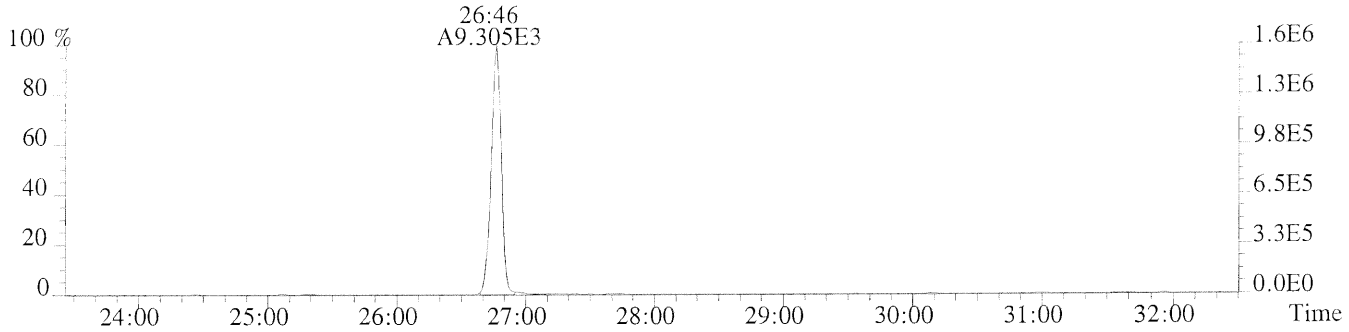
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1336.0,1.00%,F,T)



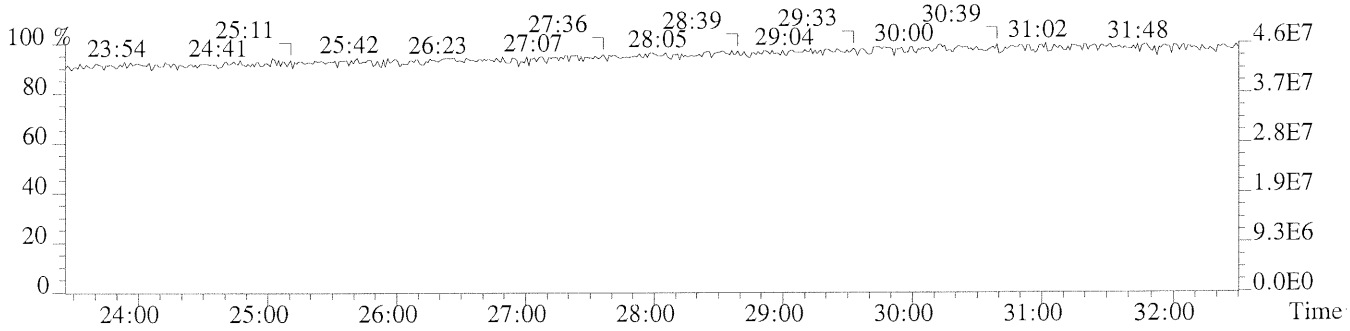
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1860.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1272.0,1.00%,F,T)

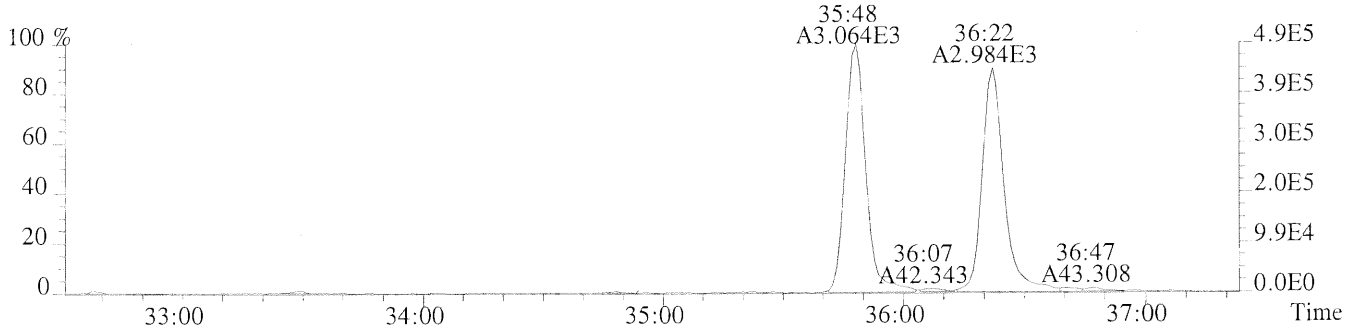


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

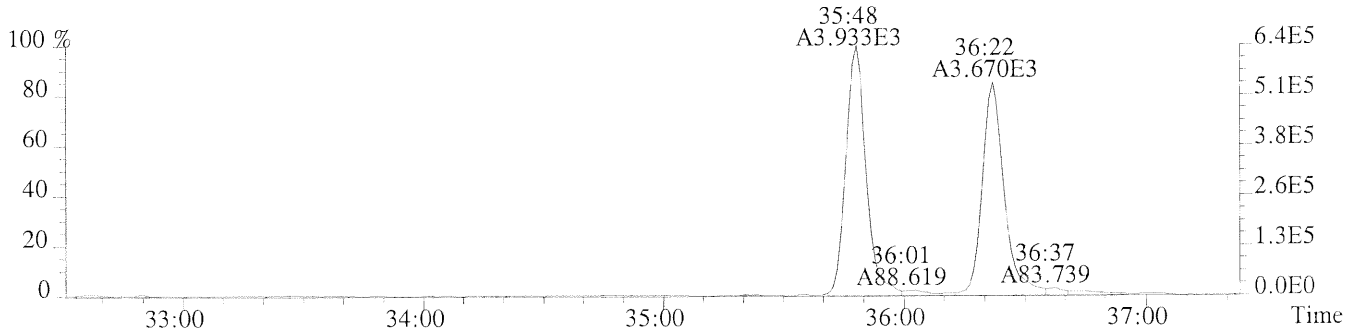


File:U142165 #1-312 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

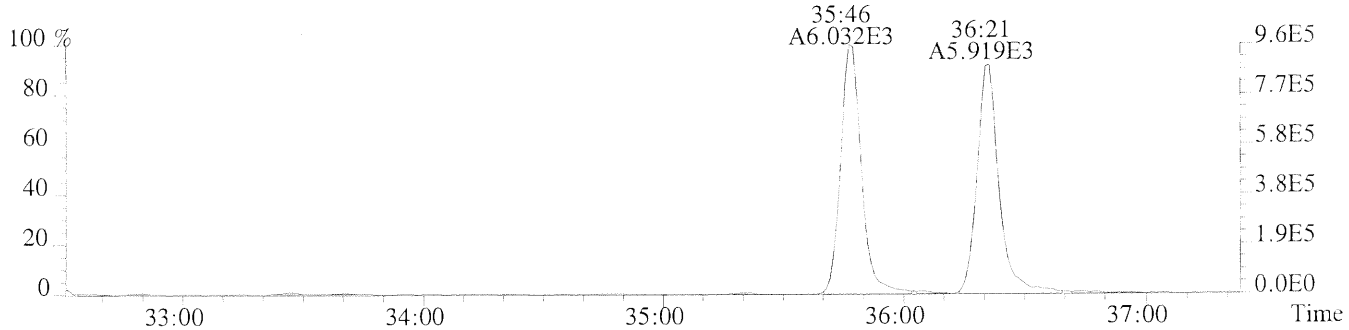
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



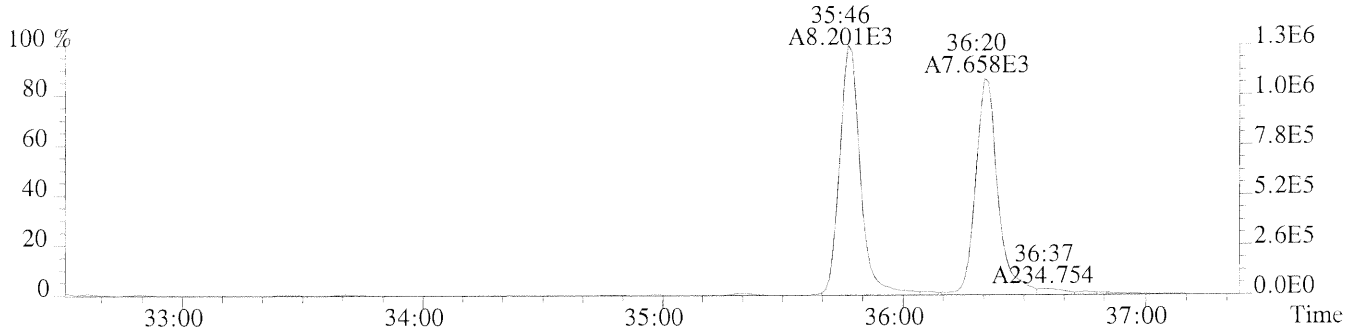
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1312.0,1.00%,F,T)



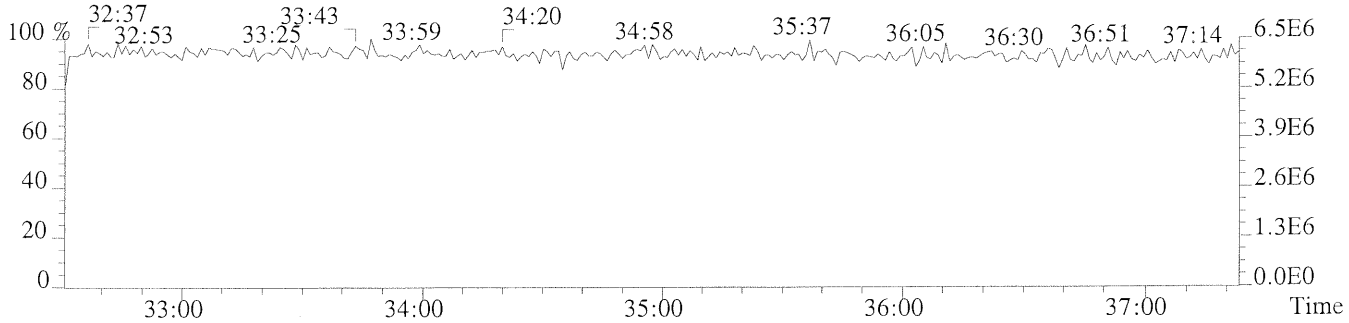
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1892.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,496.0,1.00%,F,T)

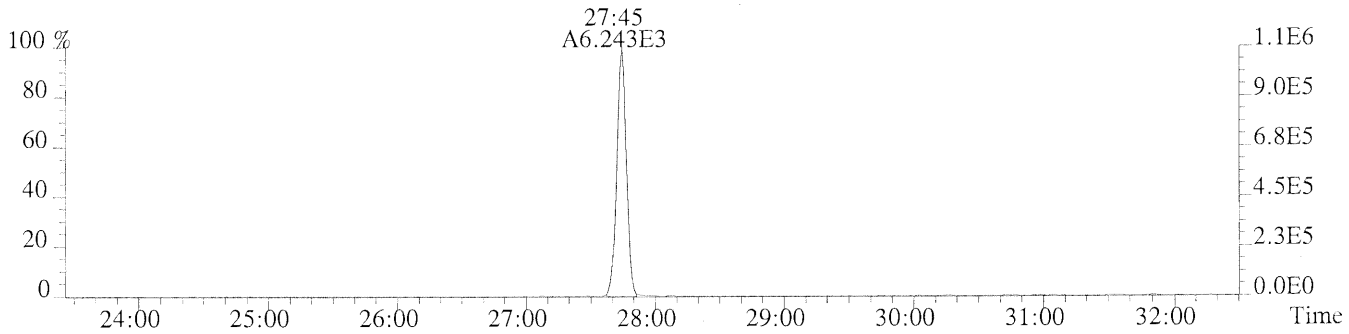


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

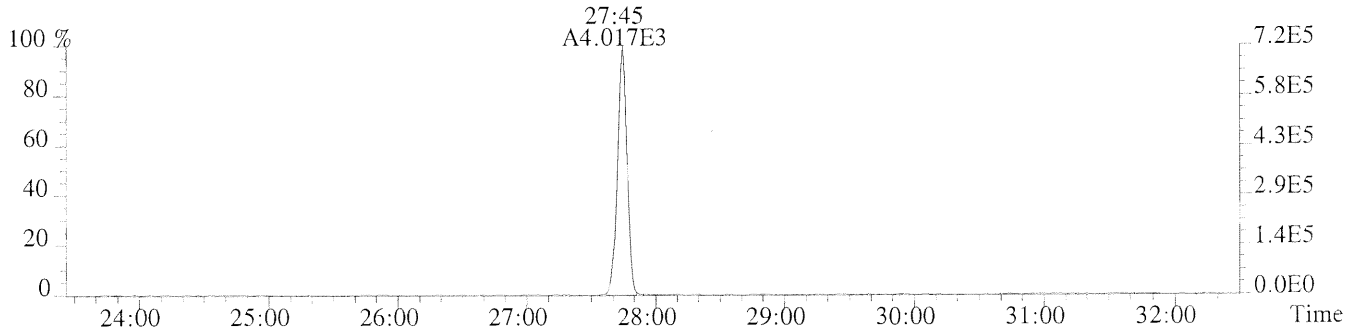


File:U142165 #1-580 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

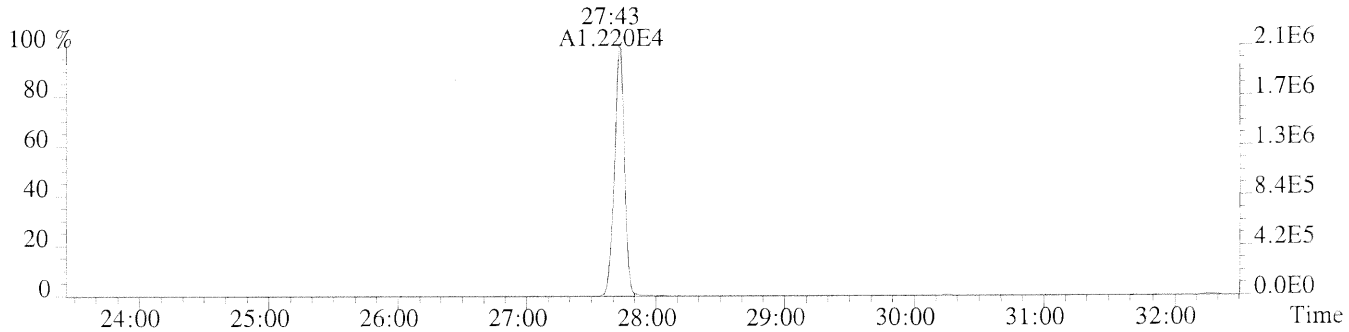
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)



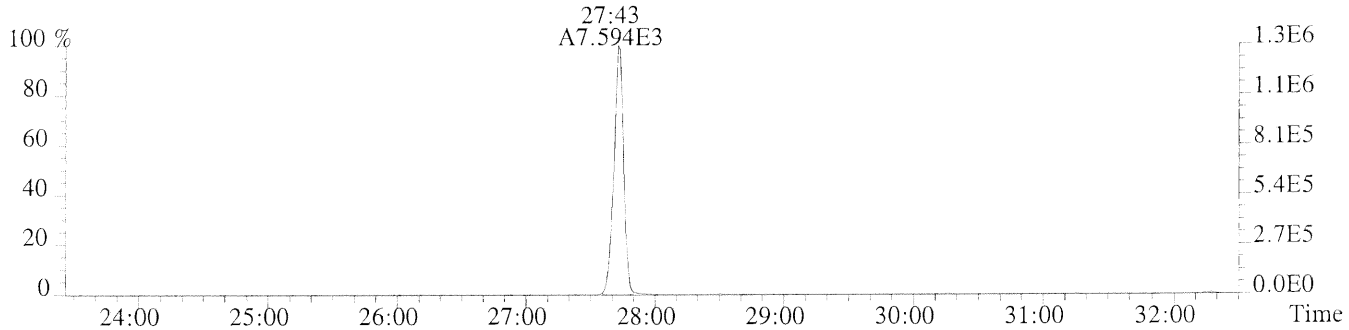
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1024.0,1.00%,F,T)



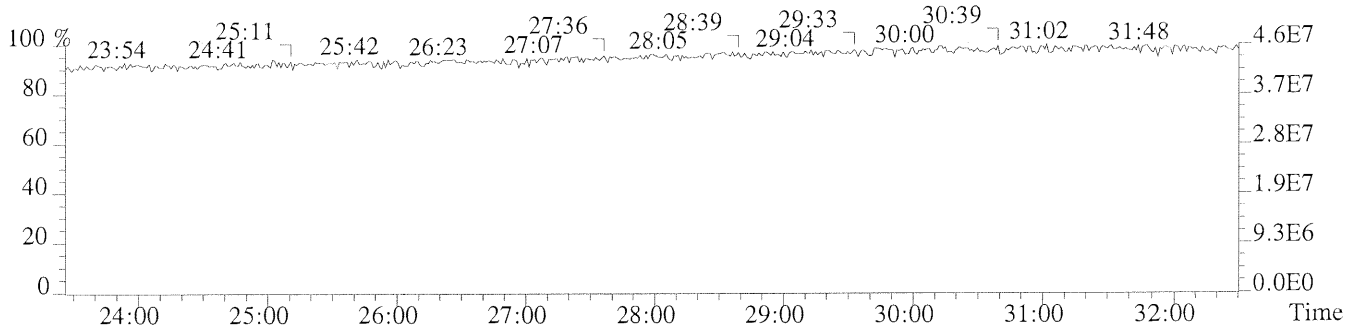
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1172.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,952.0,1.00%,F,T)

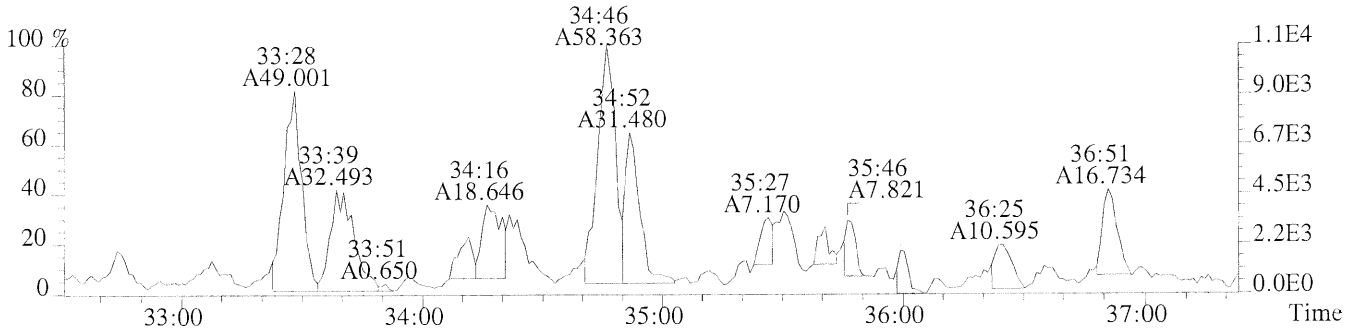


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

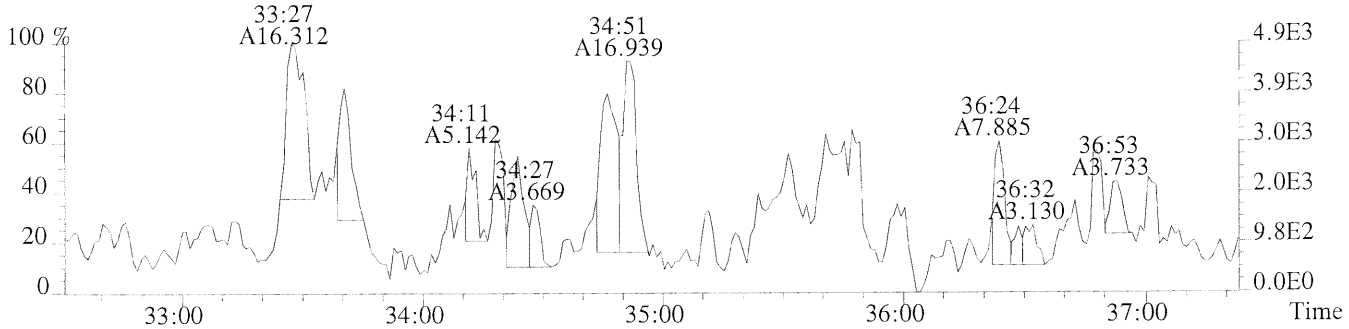


File:U142165 #1-312 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

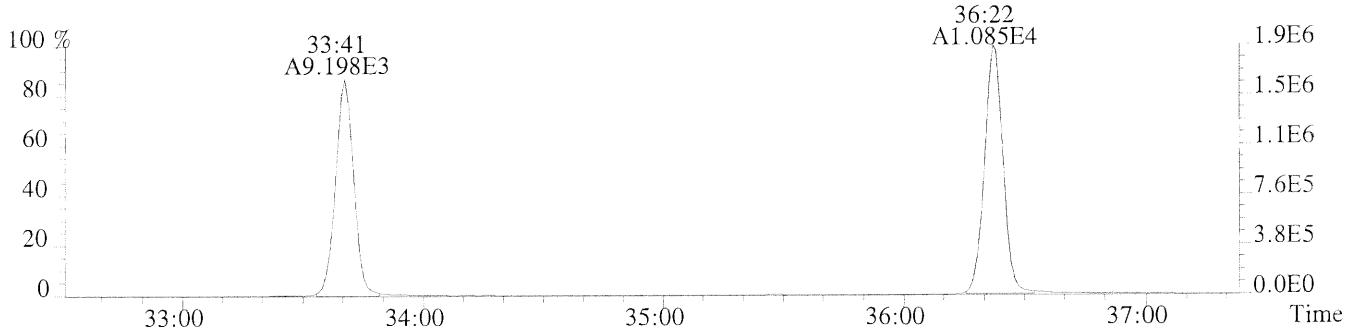
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,792.0,1.00%,F,T)



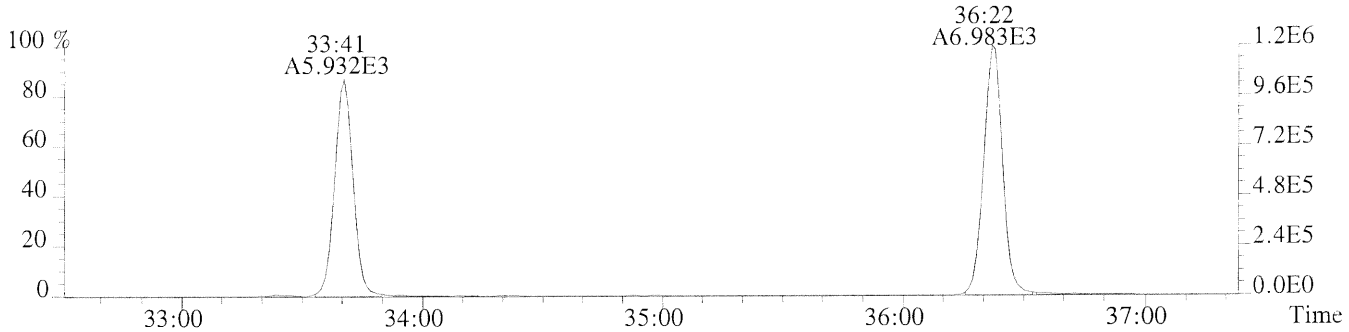
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1260.0,1.00%,F,T)



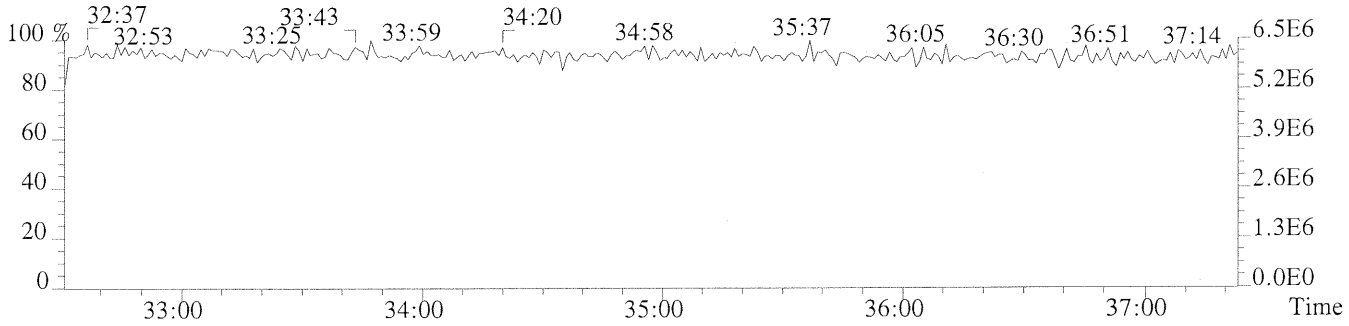
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1532.0,1.00%,F,T)



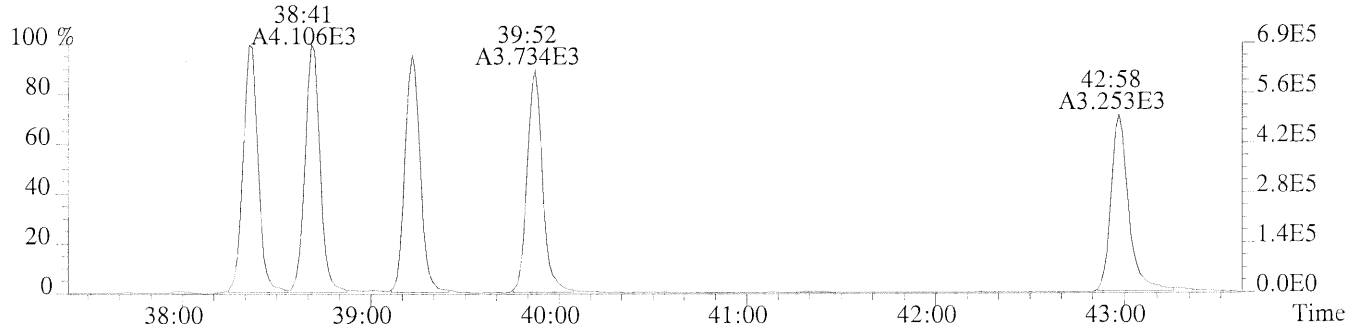
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)



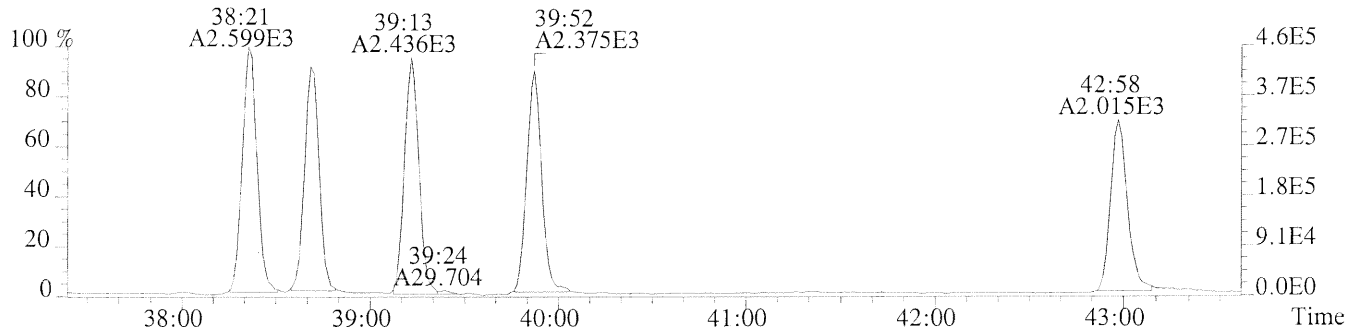
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



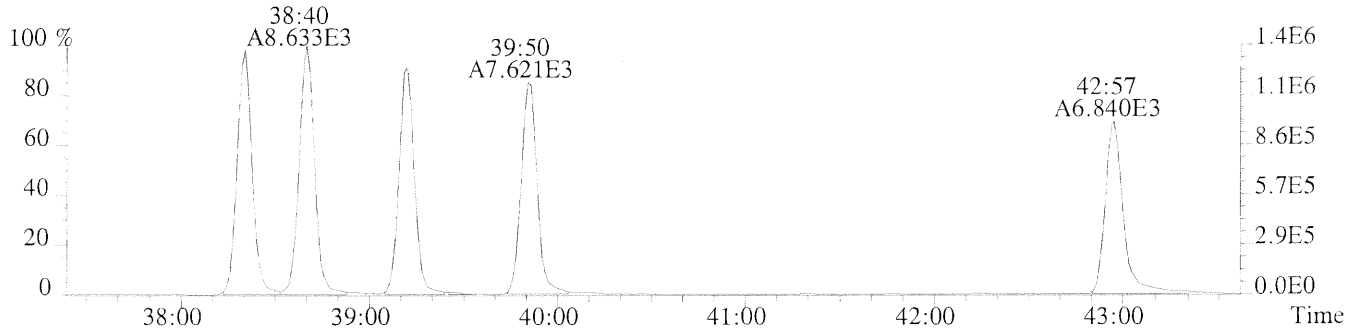
File:U142165 #1-398 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2416.0,1.00%,F,T)



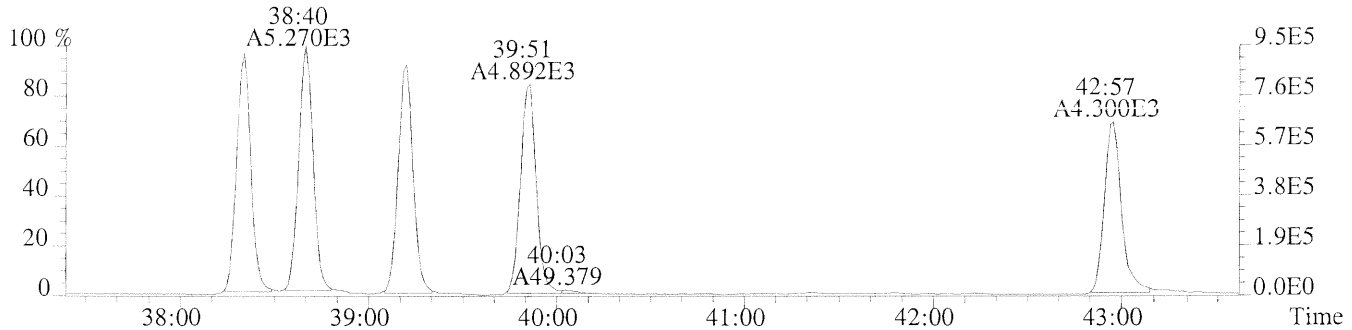
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8088.0,1.00%,F,T)



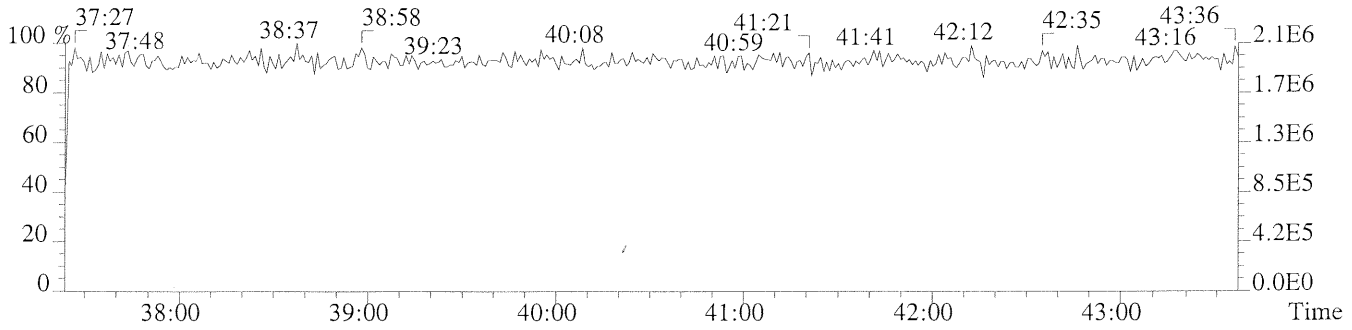
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4456.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9828.0,1.00%,F,T)

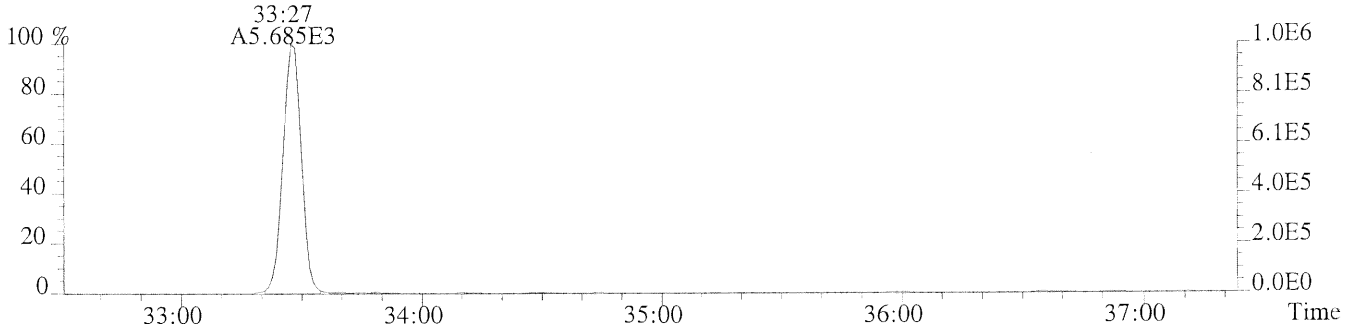


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

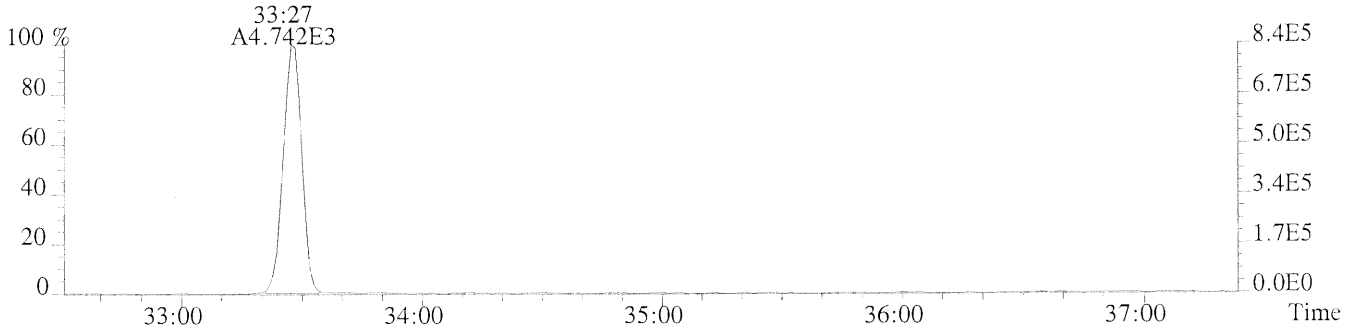


File:U142165 #1-312 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

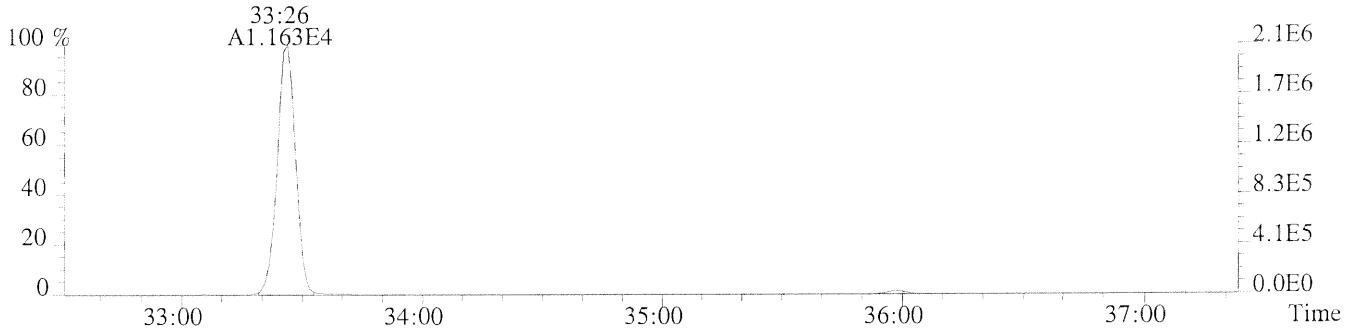
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,732.0,1.00%,F,T)



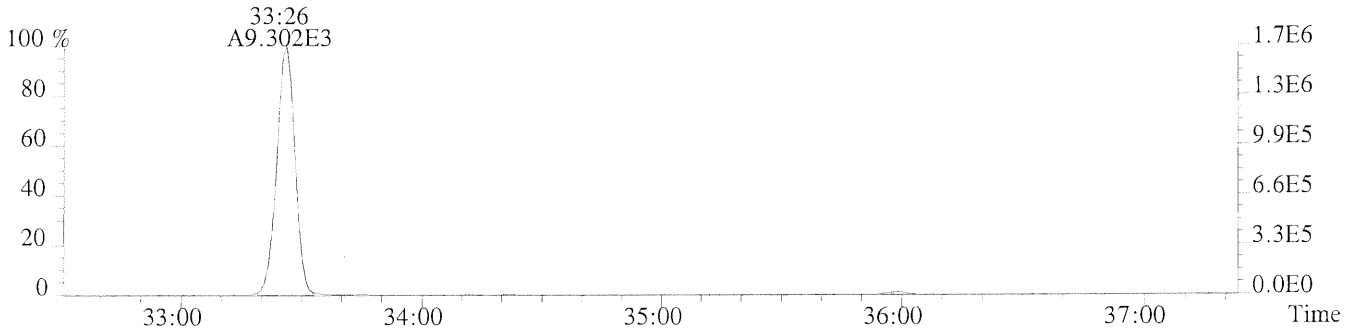
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1372.0,1.00%,F,T)



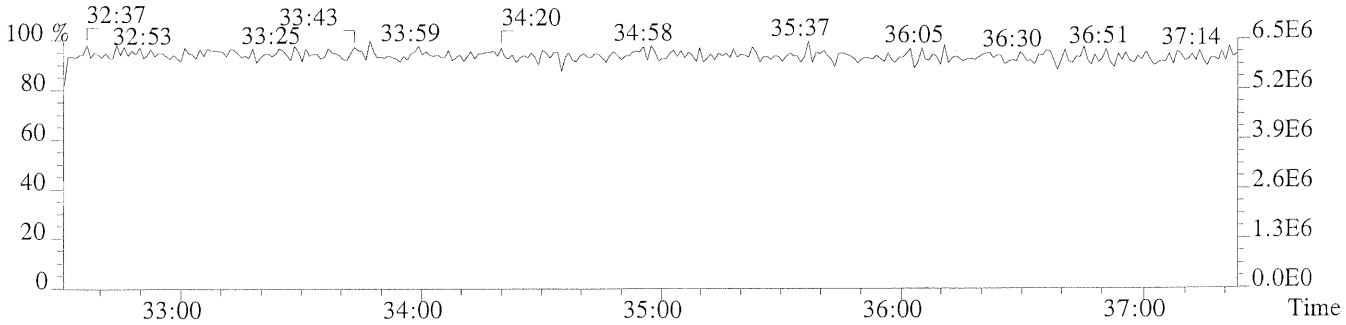
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,592.0,1.00%,F,T)

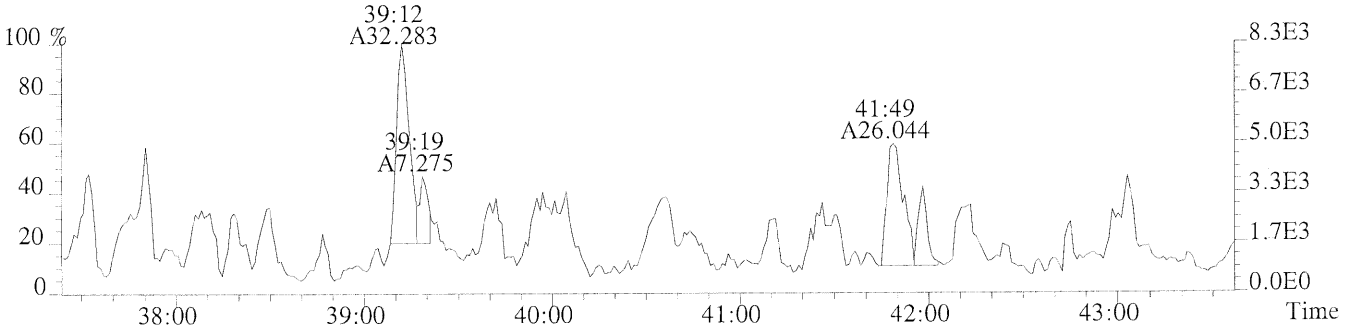


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

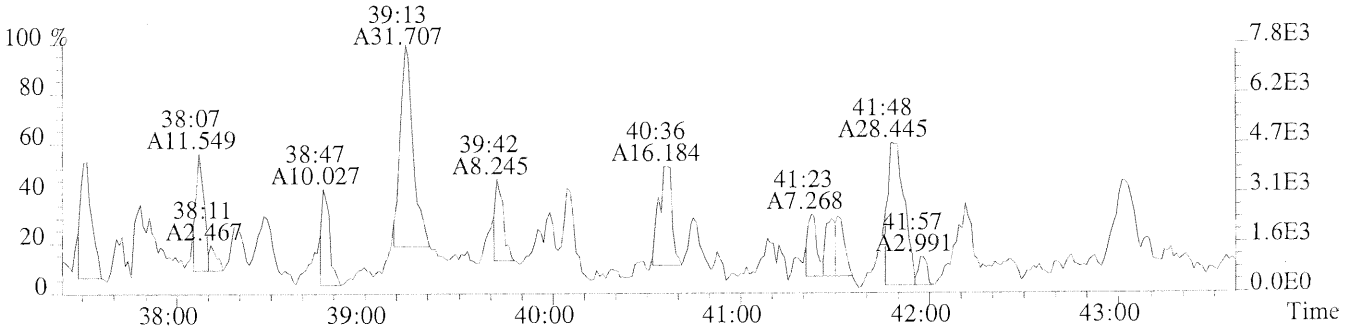


File:U142165 #1-398 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

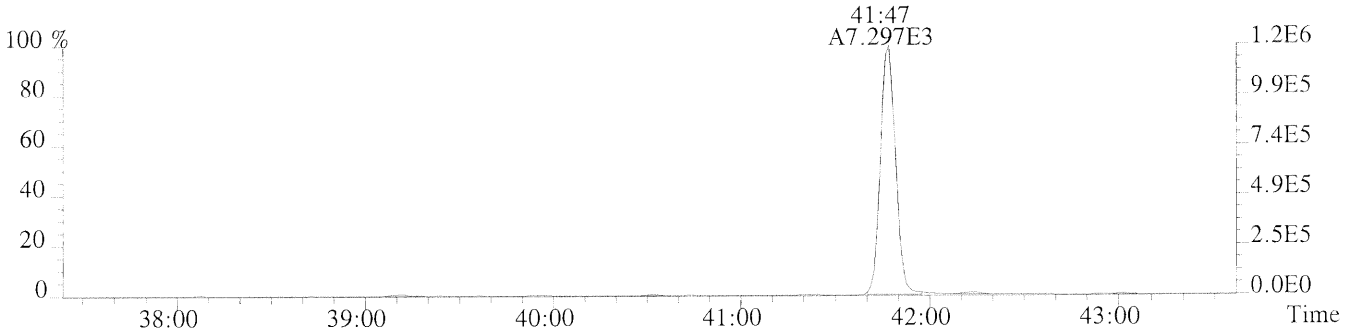
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1436.0,1.00%,F,T)



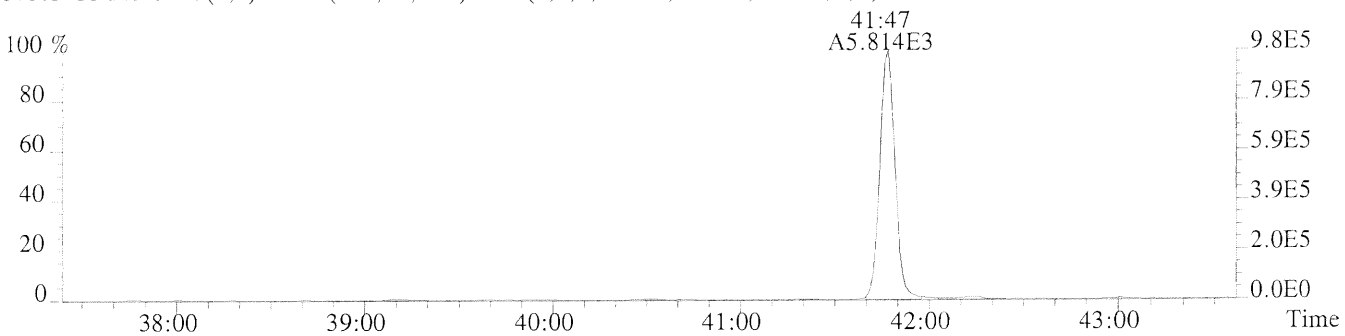
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1192.0,1.00%,F,T)



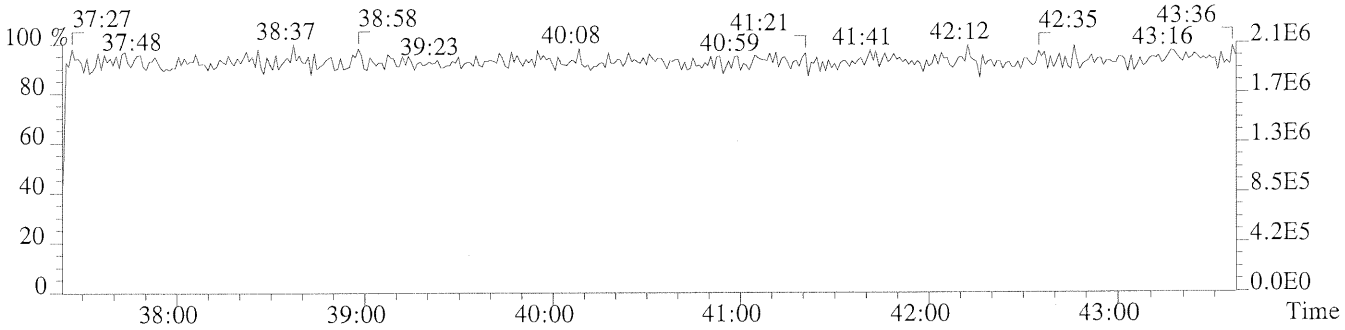
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1208.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1144.0,1.00%,F,T)

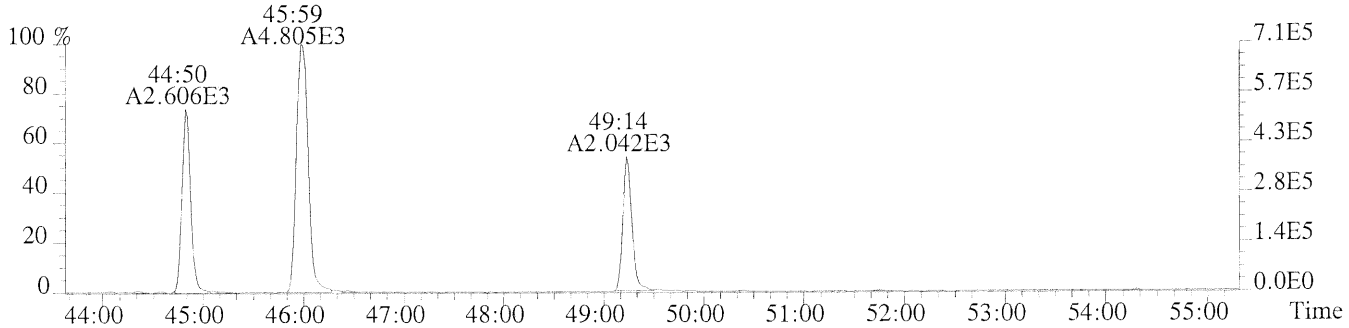


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

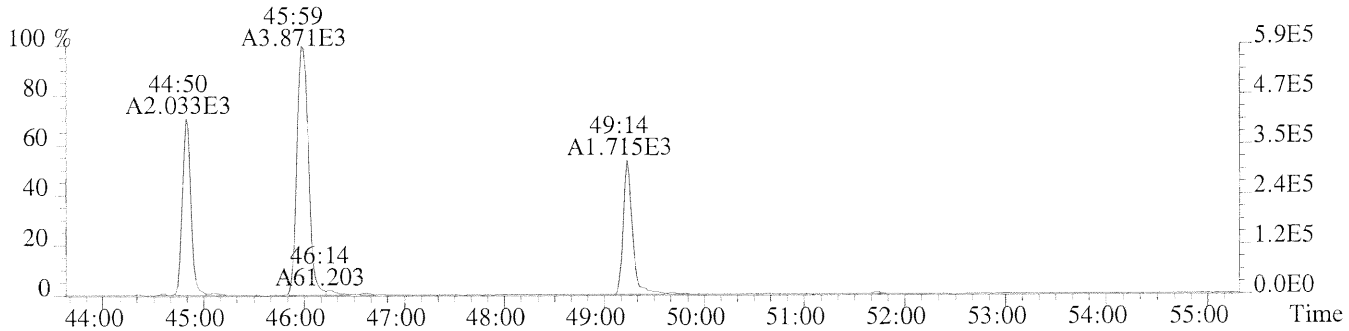


File:U142165 #1-579 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

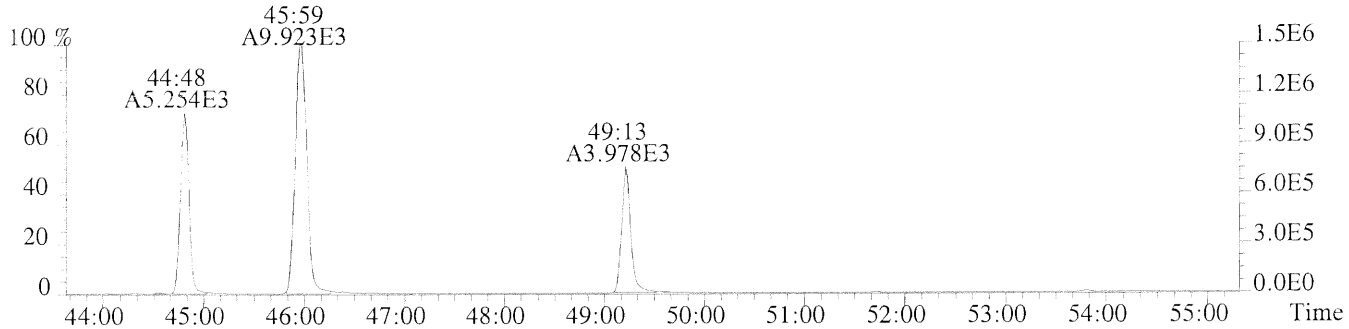
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1760.0,1.00%,F,T)



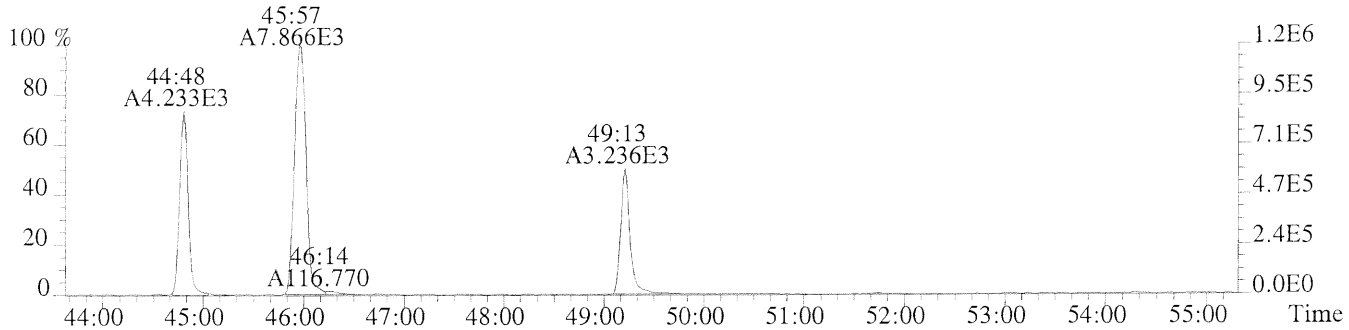
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1592.0,1.00%,F,T)



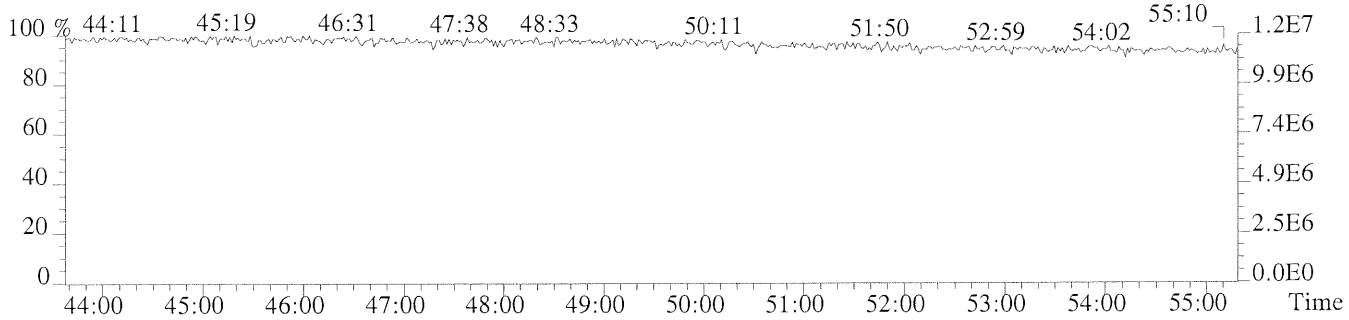
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4276.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2056.0,1.00%,F,T)

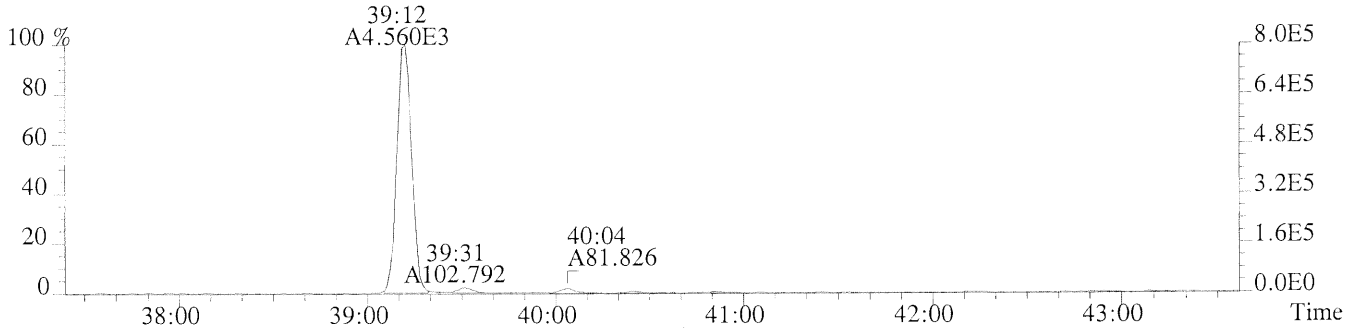


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

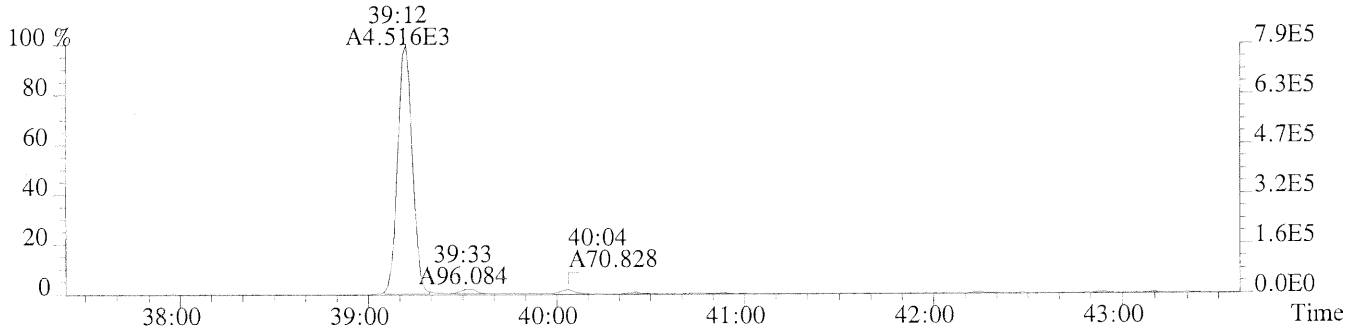


File:U142165 #1-398 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

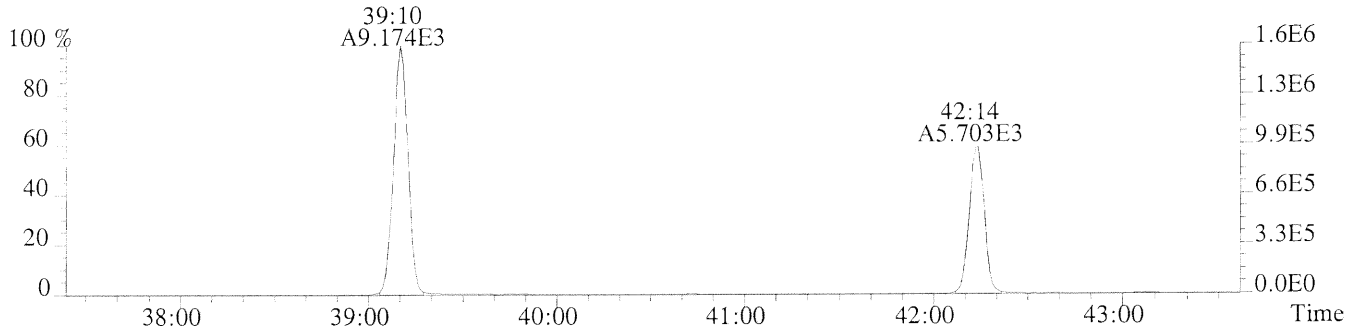
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1048.0,1.00%,F,T)



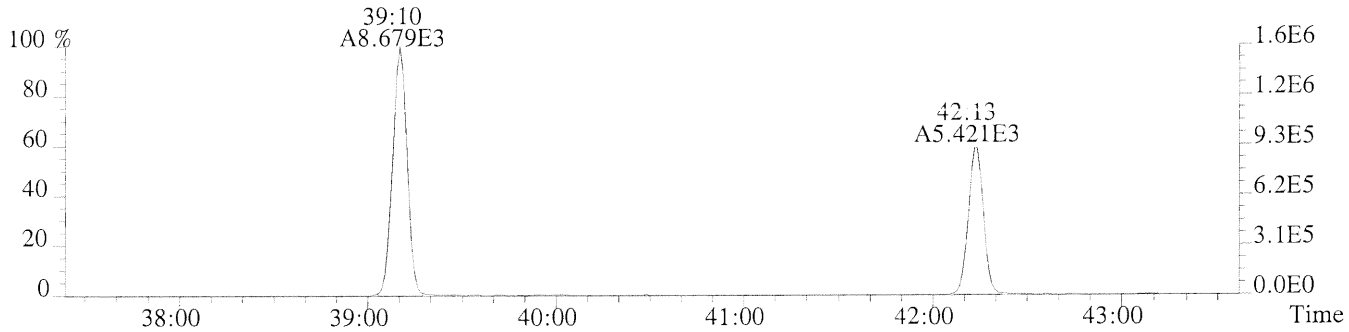
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,660.0,1.00%,F,T)



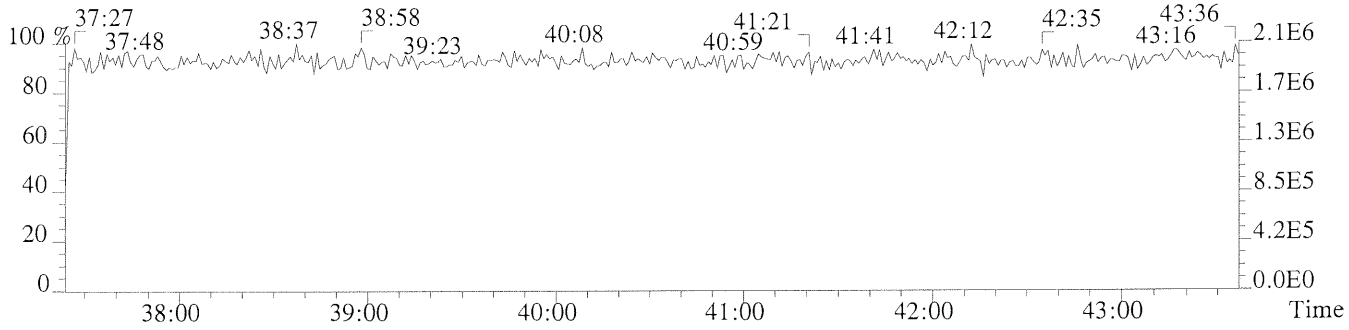
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1164.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)

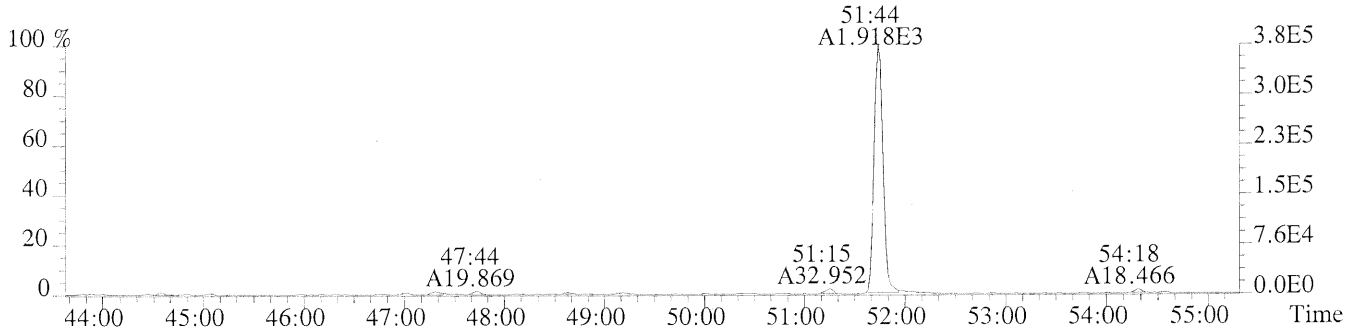


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

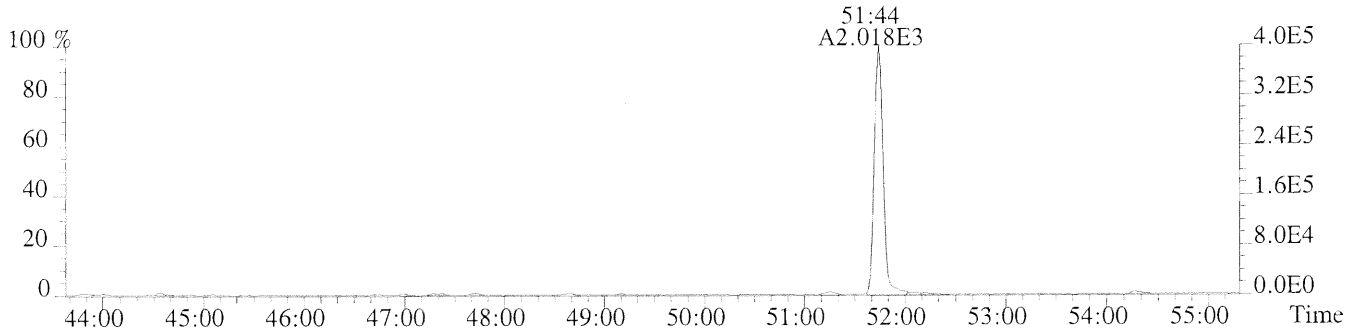


File:U142165 #1-579 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

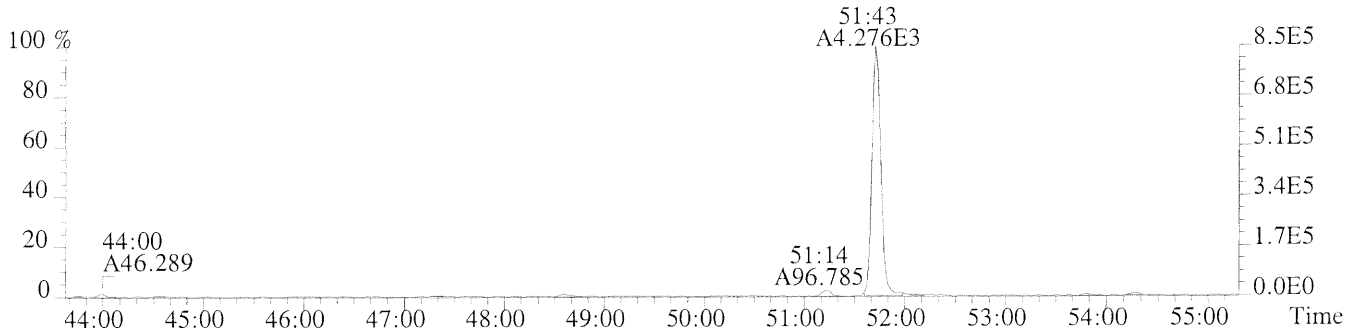
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1664.0,1.00%,F,T)



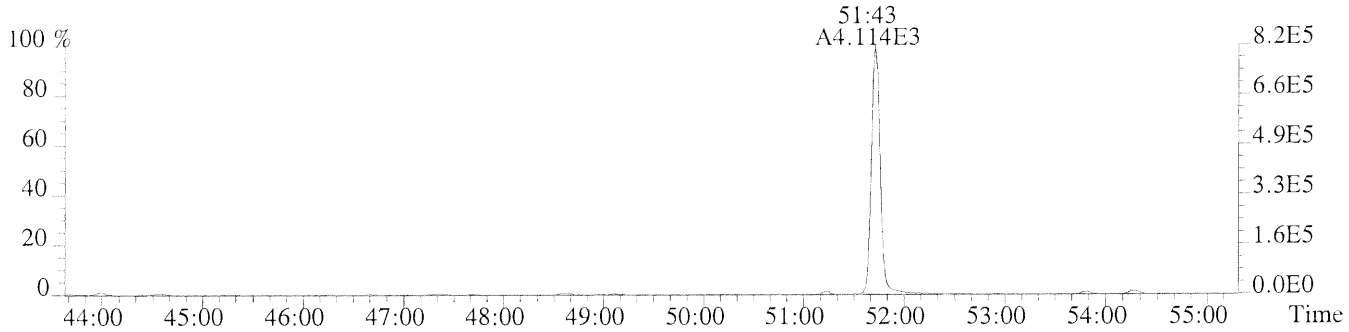
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1020.0,1.00%,F,T)



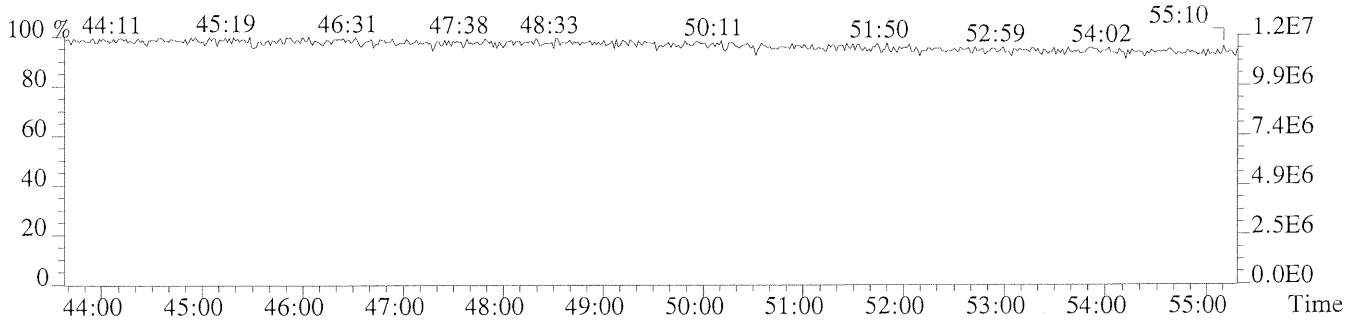
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1440.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,852.0,1.00%,F,T)

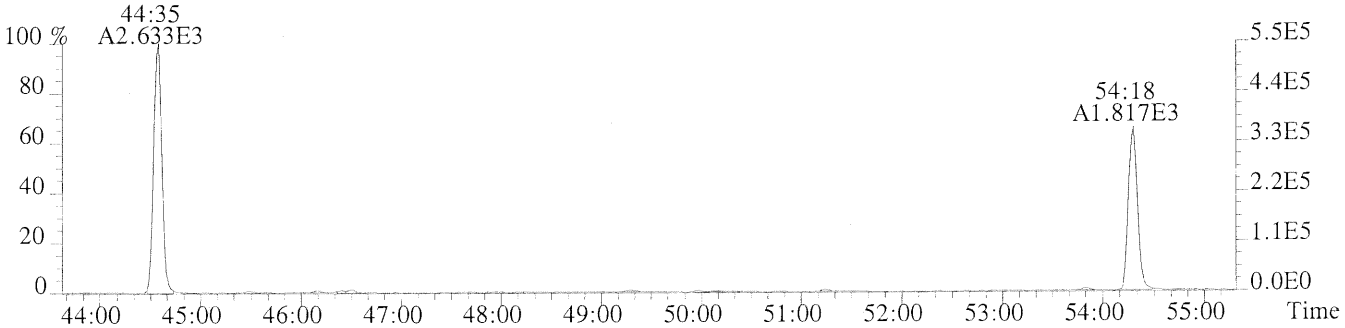


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

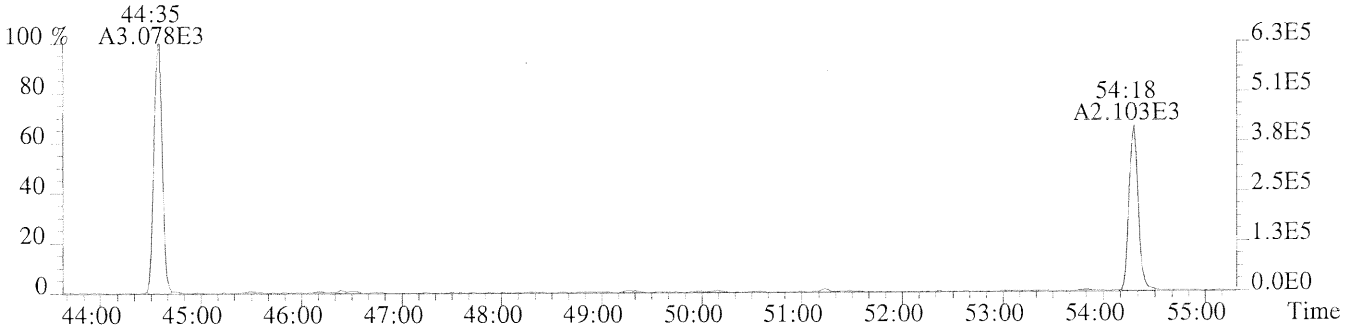


File:U142165 #1-579 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

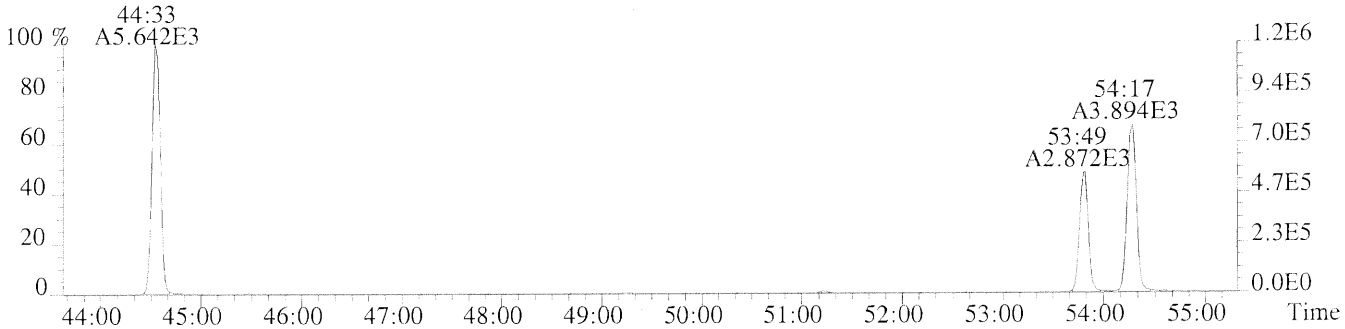
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)



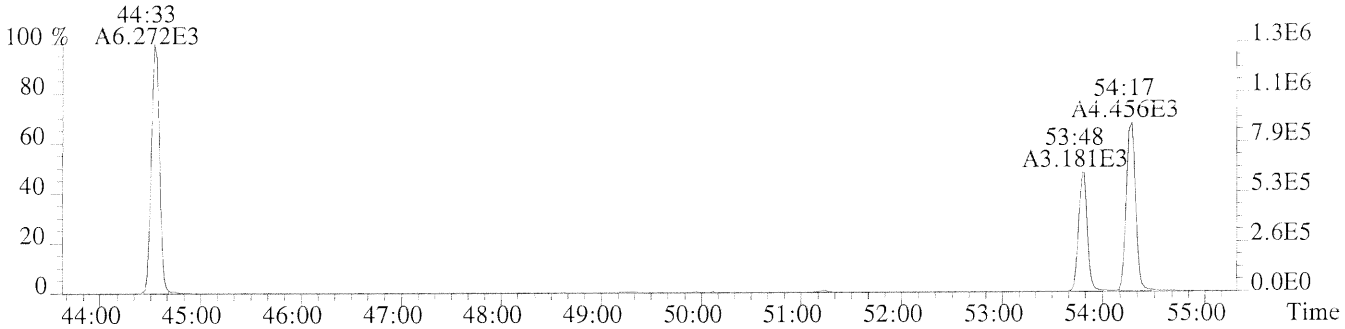
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



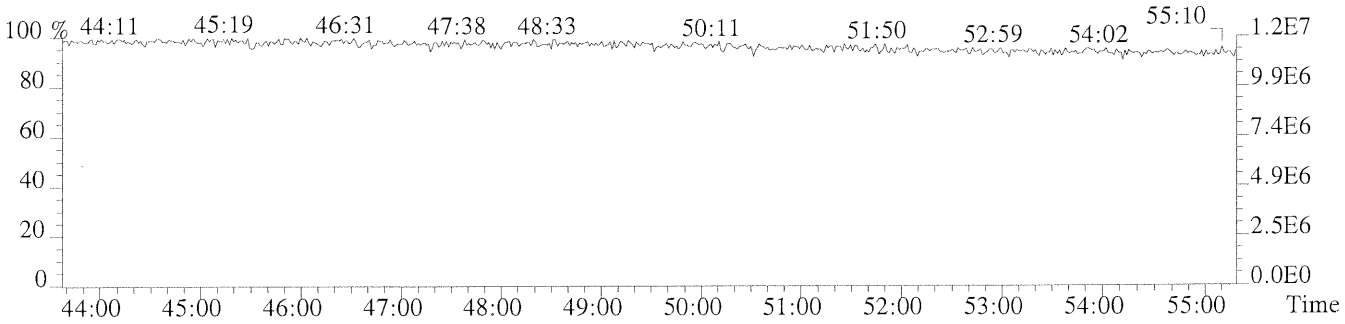
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,908.0,1.00%,F,T)

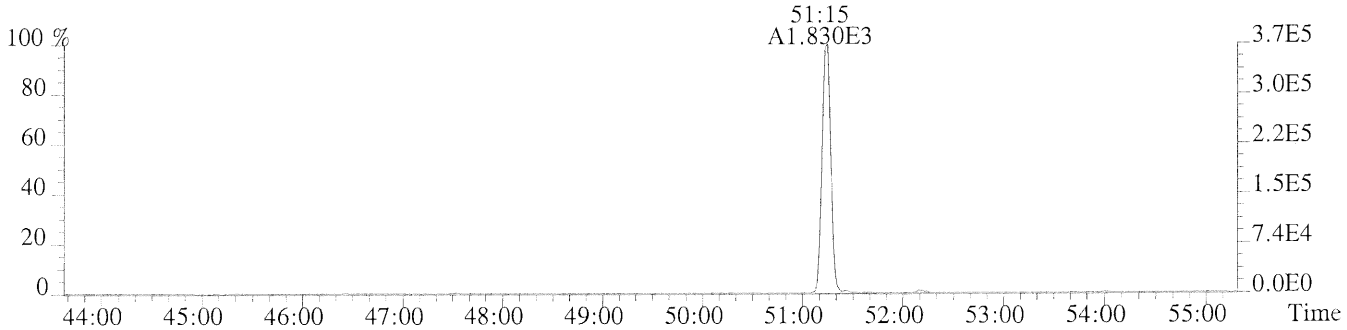


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

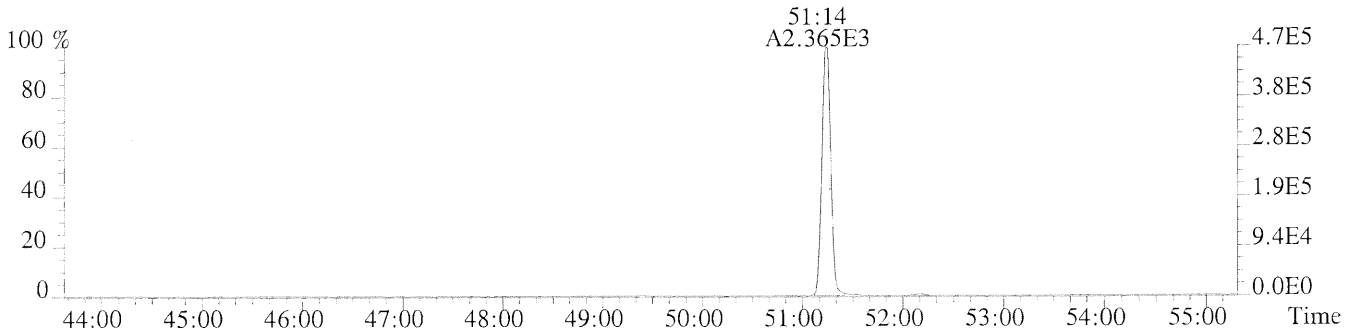


File:U142165 #1-579 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

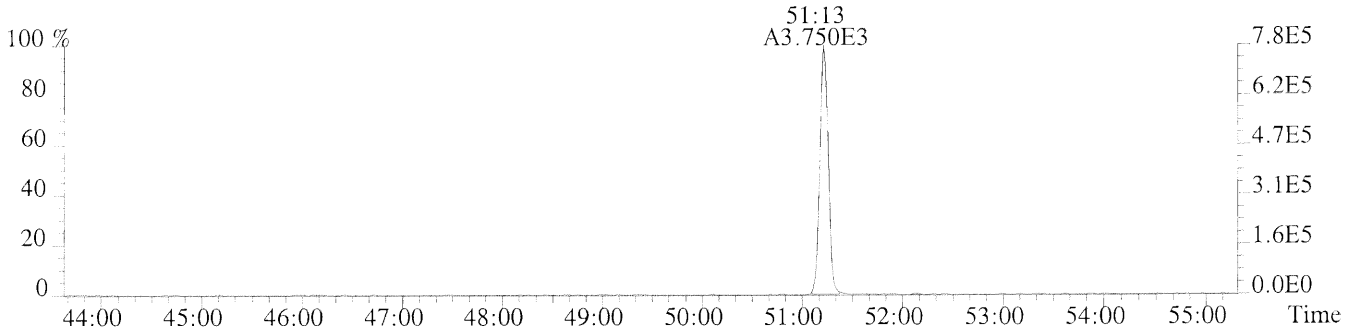
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1112.0,1.00%,F,T)



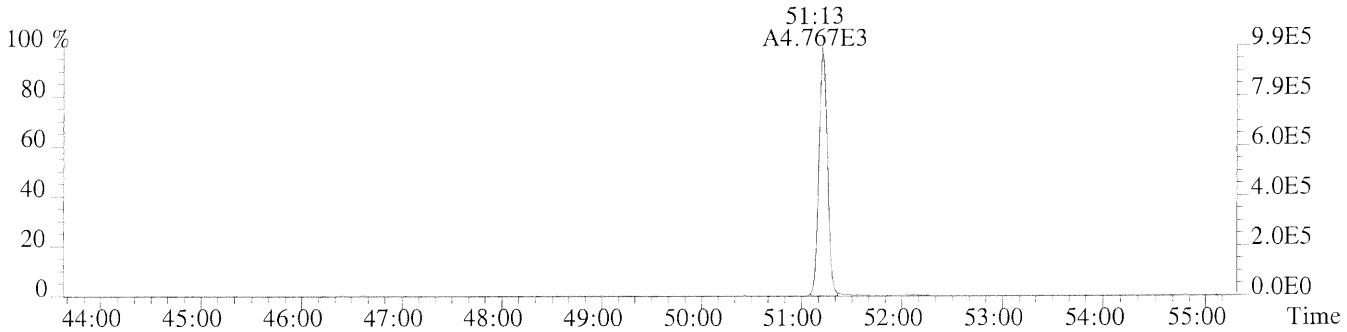
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1188.0,1.00%,F,T)



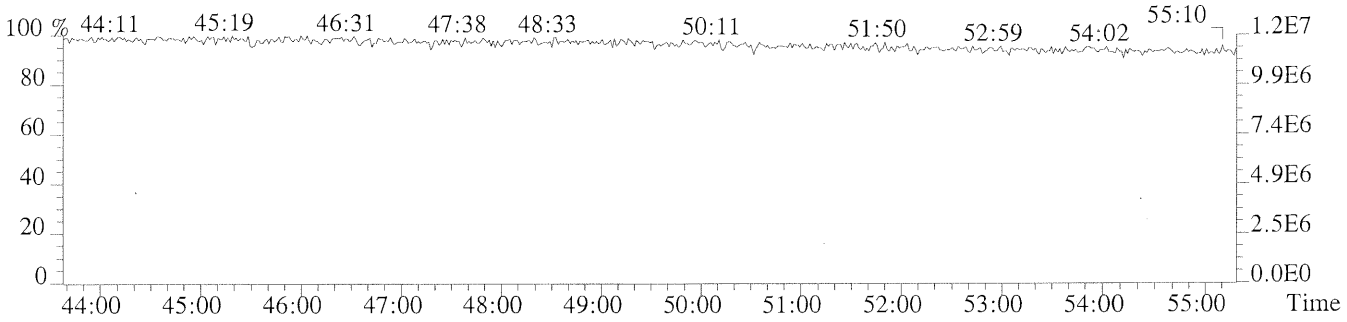
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1060.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,988.0,1.00%,F,T)

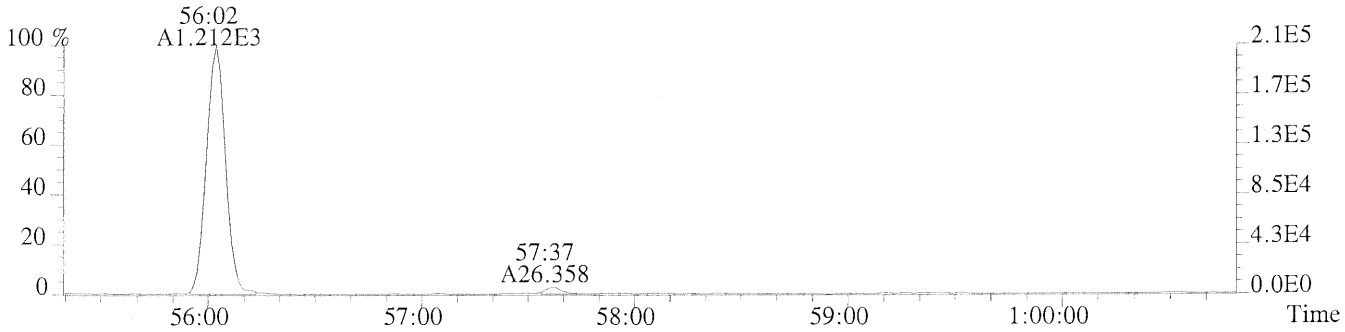


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

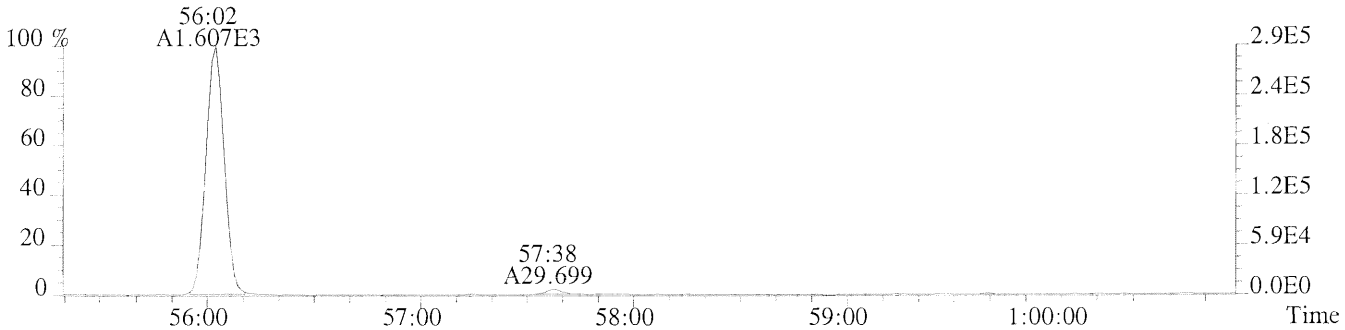


File:U142165 #1-310 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

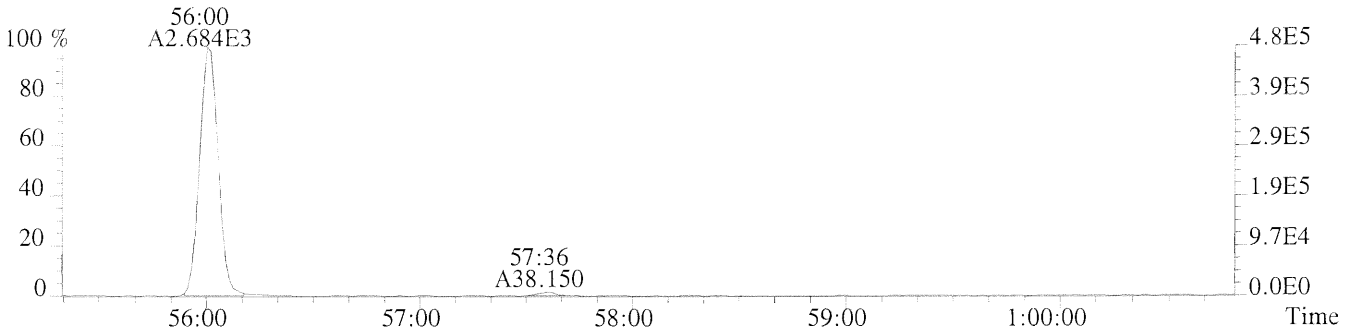
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



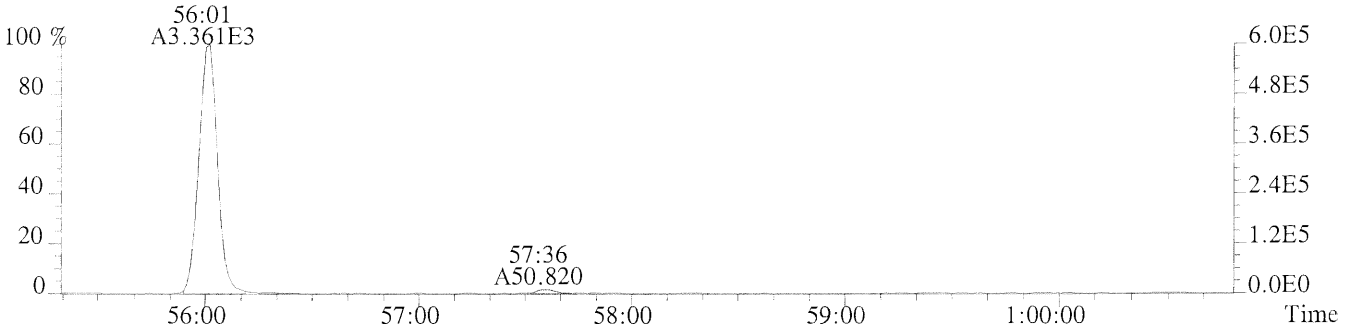
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)



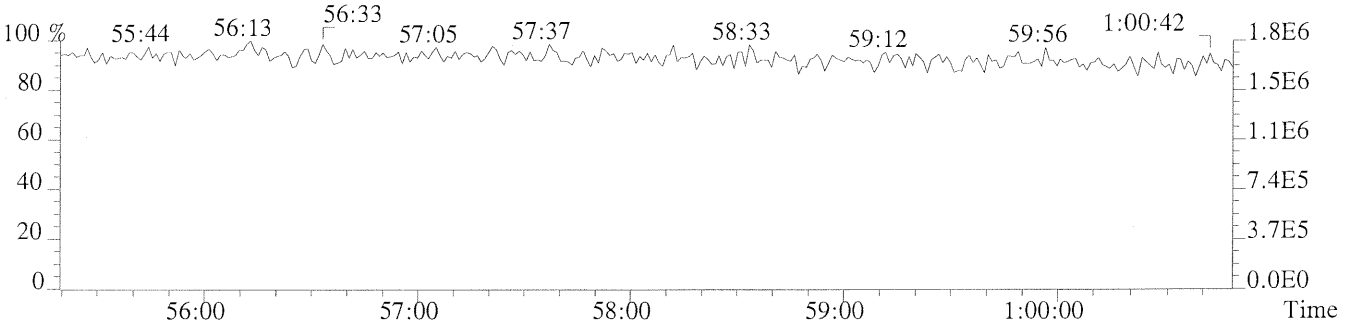
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,852.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,932.0,1.00%,F,T)

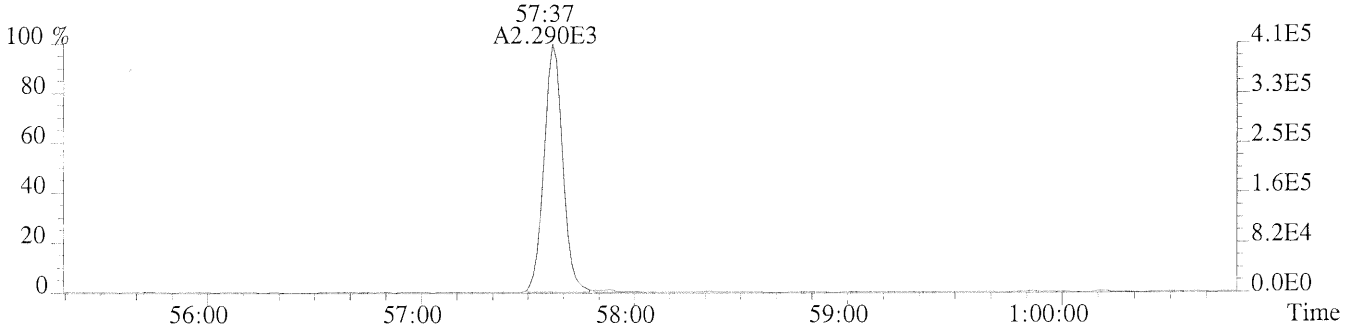


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

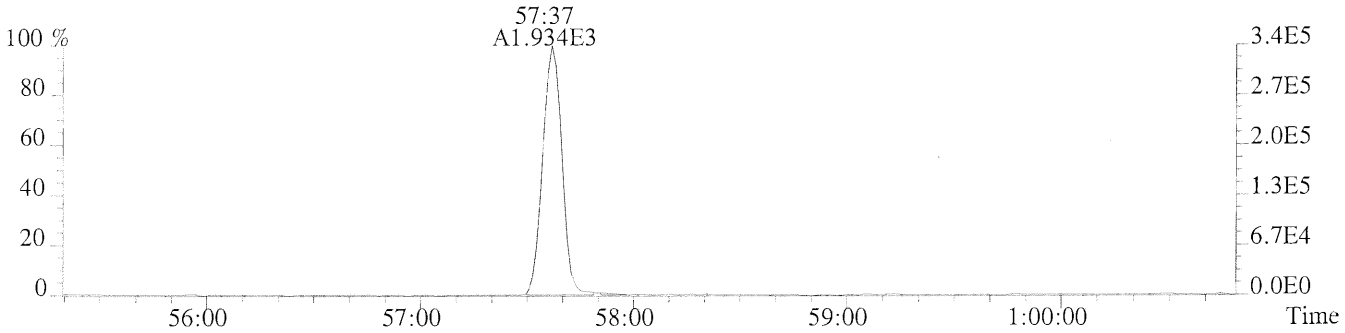


File:U142165 #1-310 Acq:23-NOV-2011 07:32:48 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

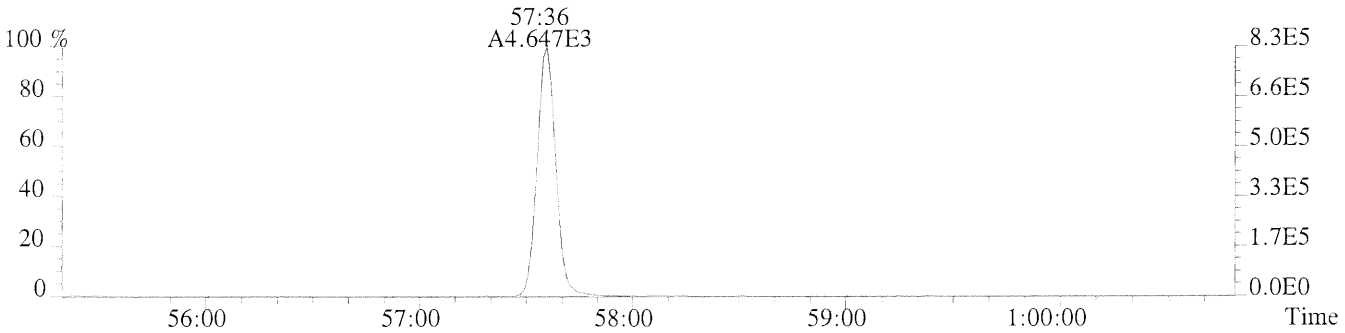
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,908.0,1.00%,F,T)



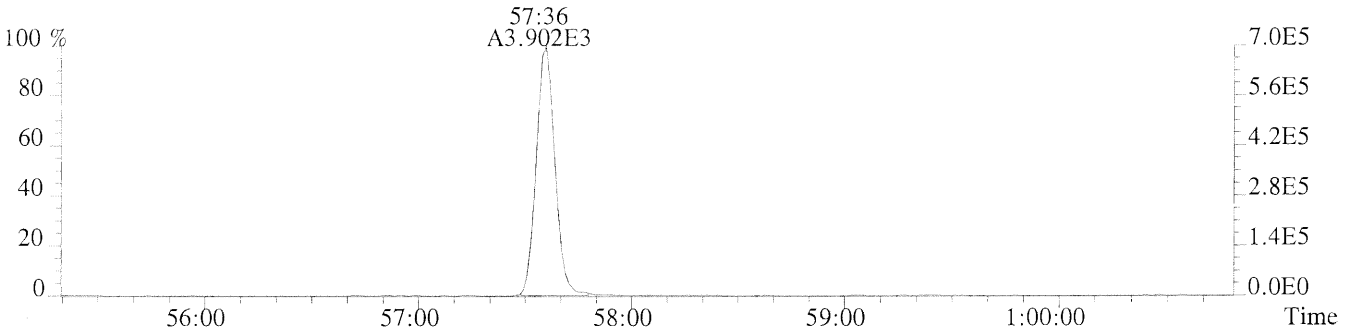
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



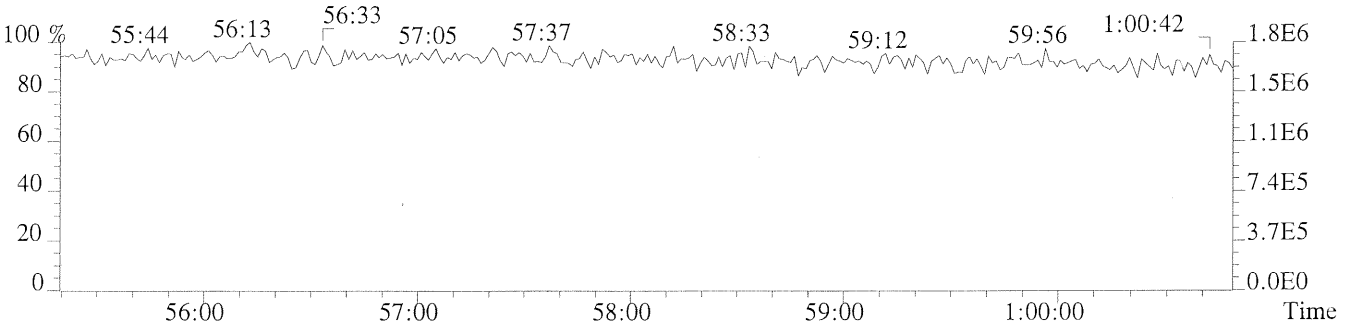
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,784.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



RW/CS3 Daily Calibration QC Checklist

Calibration File Name: U142174

Circle one
Beginning **Ending**

Date: 26 Nov 11

Method: **1668 WHO** **1668 Total** **1668 (209)** **1668 WHO & TOTAL**

Date	12/1/11	**First Reviewer**	[illegible]

Date	12/01/11	**Second Reviewer**	[illegible]

5DFC
PCDD/PCDF/PCB ANALYTICAL SEQUENCE SUMMARY

Lab Name: Columbia Analytical Services Contract:

Lab Code: TX01411 Case No.: SDG No.:

GC Column: SPB-OCTYL ID: 0.25 (mm) Instrument ID: E-HRMS-01

Init. Calib. Date: 02/23/11

Init. Calib.Times: 09:22

THE ANALYTICAL SEQUENCE OF STANDARDS, SAMPLES, BLANKS, AND LABORATORY CONTROL SAMPLES (LCSs) IS AS FOLLOWS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
DCCS-209	B4-25-1	U142173	26-NOV-11	05:29:30
DCCS-209	B4-25-1	U142173	26-NOV-11	05:29:30
METHOD BLANK	EQ1100541-01	U142175	26-NOV-11	08:00:15
KNOCKOUT TANK	E1100908-001DL	U142176	26-NOV-11	09:03:32
KC91-152L	E1101076-005	U142177	26-NOV-11	10:11:57
HP1-2a	E1101088-001	U142178	26-NOV-11	11:20:15
HP1-4a	E1101088-002	U142179	26-NOV-11	12:28:32
HP1-6a	E1101088-003	U142180	26-NOV-11	14:14:22

5DFC
PCDD/PCDF/PCB ANALYTICAL SEQUENCE SUMMARY

Lab Name: Columbia Analytical Services Contract:

Lab Code: TX01411 Case No.: SDG No.:

GC Column: SPB-OCTYL ID: 0.25 (mm) Instrument ID: E-HRMS-01

Init. Calib. Date: 02/23/11

Init. Calib.Times: 09:22

THE ANALYTICAL SEQUENCE OF STANDARDS, SAMPLES, BLANKS, AND LABORATORY CONTROL SAMPLES (LCSs) IS AS FOLLOWS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
CCAL CS3	CCAL CS3	U142174	26-NOV-11	06:46:31

Sample List Report MassLynx 4.1

Sample List: C:\MassLynx\CASHOUSTON.PRO\SampleDB\U1111126.SPL
Last Modified: Saturday, November 26, 2011 14:13:44 Central Standard Time
Printed: Saturday, November 26, 2011 14:39:27 Central Standard Time

Columbia Analytical Services
19408 Park Row
Suite 320
Houston, Texas 77084

Page Position (1, 1)

C:U142174CAL/RES

	Date	Time	File Name	Sample ID	Client ID	Analyst	Comments	GC Met	Acq Met
1	11/26/11	05:29	U142173	PCB 209 INJECTION	B4-25-1		HRMS check 05:26	1668EPA	1668EPA
2		06:46	U142174	CCAL CS3	B2-26-1			1668EPA	1668EPA
3		08:00	U142175	EQ1100541-01	MB			1668EPA	1668EPA
4		09:03	U142176	E1100908-001DL	Knockout Tank		1:2000	1668EPA	1668EPA
5		10:11	U142177	E1101076-005	KC91-152L			1668EPA	1668EPA
6		11:20	U142178	E1101088-001	HP1-2a			1668EPA	1668EPA
7		12:28	U142179	E1101088-002	HP1-4a			1668EPA	1668EPA
8		14:14	U142180	E1101088-003	HP1-6a		HRMS Check 14:04	1668EPA	1668EPA
9			---	---	---		HRMS Check 15:41	1668EPA	1668EPA
10			---	---	---			1668EPA	1668EPA
11			---	---	---			1668EPA	1668EPA
12			---	---	---			1668EPA	1668EPA
13			---	---	---			1668EPA	1668EPA
14			---	---	---			1668EPA	1668EPA
15			---	---	---			1668EPA	1668EPA
16			---	---	---			1668EPA	1668EPA
17			---	---	---			1668EPA	1668EPA
18			---	---	---			1668EPA	1668EPA
19			---	---	---			---	---
20			---	---	---			---	---
21			---	---	---			TCDFCAS	TCDFCAS
22			---	---	---			1668EPA	1668EPA
23			---	---	---			---	---
24			---	---	---			---	---
25			---	---	---			TCDFCAS	TCDFCAS
26			---	---	---			TCDFCAS	TCDFCAS
27			---	---	---			1668EPA	1668EPA
28			---	---	---			1668EPA	1668EPA
29			---	---	---			8290cas	8290CAS
30			---	---	---			TCDFCAS	TCDFCAS
31			---	---	---			---	---
32			---	---	---			---	---
33	---	---	---	---	---	---	---	---	---
34	---	---	---	---	---	---	---	---	---
35	---	---	---	---	---	---	---	---	---
36	---	---	---	---	---	---	---	---	---
37	---	---	---	---	---	---		---	---
38	---	---	---	---	---	---	---	---	---
39	---	---	---	---	---	---	---	---	---

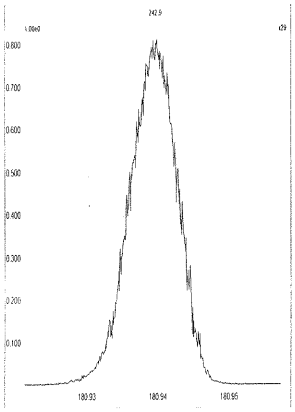
Reviewed By: CLL
12/1/11

093

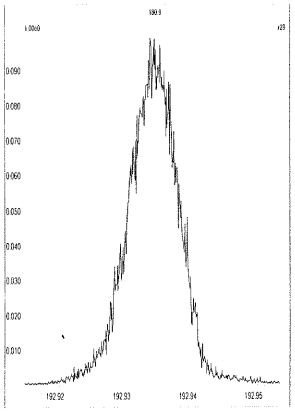
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Saturday, November 26, 2011 05:26:04 Central Standard Time

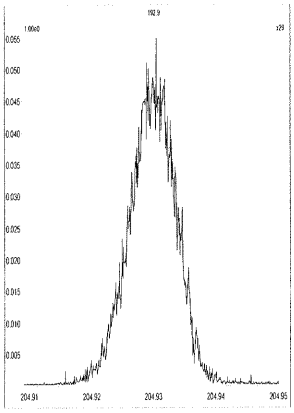
M 180.9888 R 11740



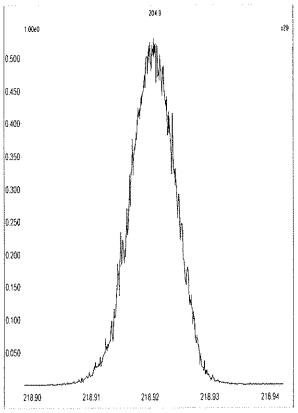
M 192.9888 R 10964



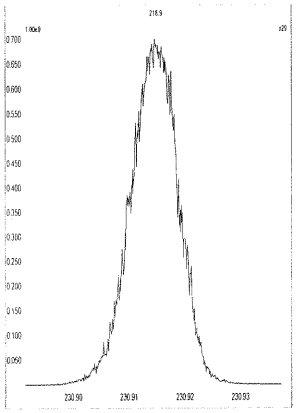
M 204.9888 R 12019



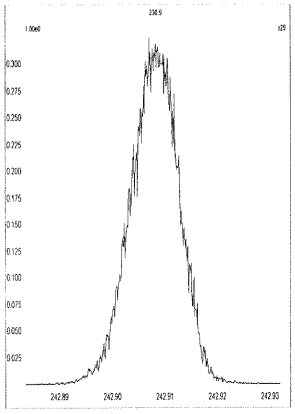
M 218.9856 R 12021



M 230.9856 R 11850



M 242.9856 R 11681

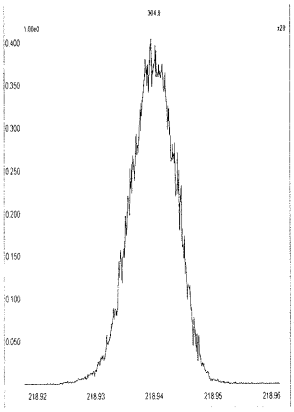


Experiment Calibration Report **MassLynx 4.1**

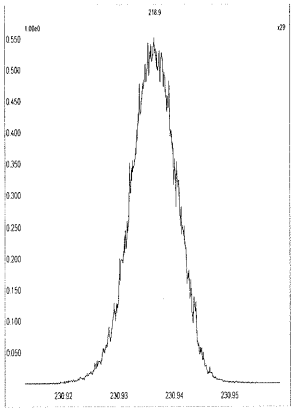
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Saturday, November 26, 2011 05:26:30 Central Standard Time

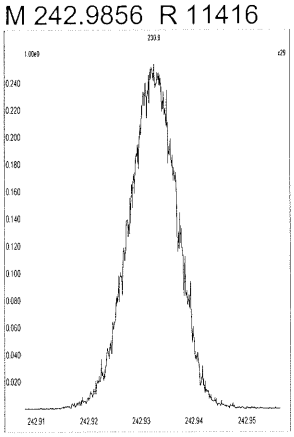
M 218.9856 R 11964



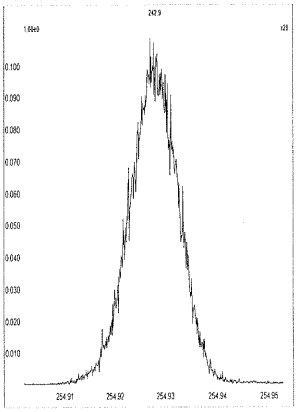
M 230.9856 R 11792



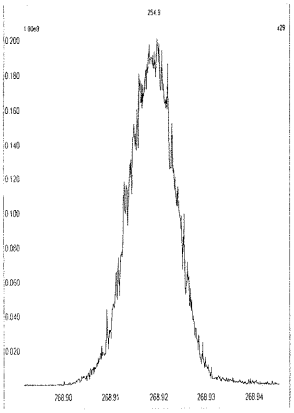
M 242.9856 R 11416



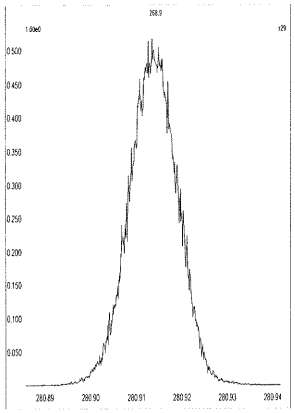
M 254.9856 R 11906



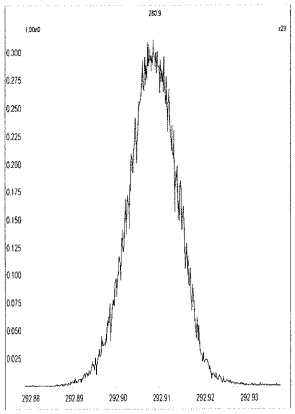
M 268.9824 R 11213



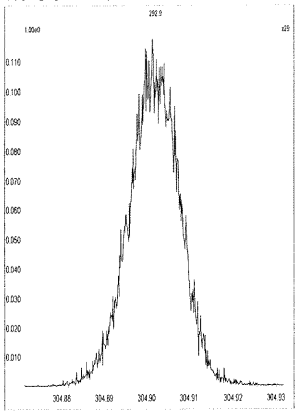
M 280.9824 R 11363



M 292.9824 R 11258



M 304.9824 R 10776

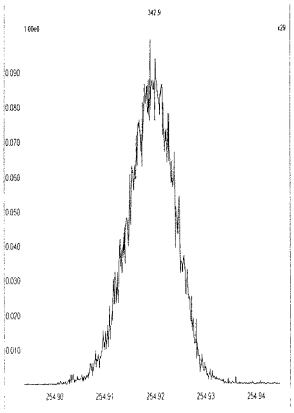


Experiment Calibration Report **MassLynx 4.1**

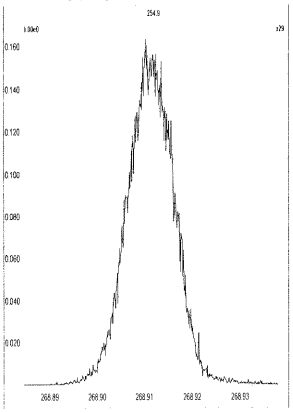
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Saturday, November 26, 2011 05:26:55 Central Standard Time

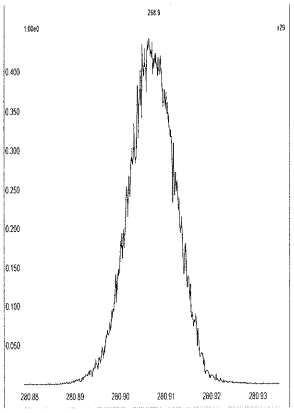
M 254.9856 R 12078



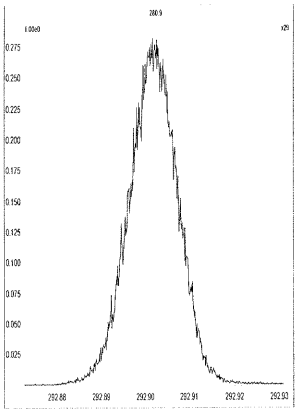
M 268.9824 R 12138



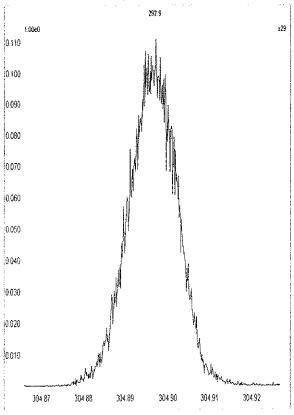
M 280.9824 R 11520



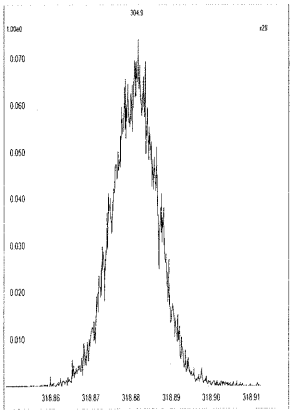
M 292.9824 R 11412



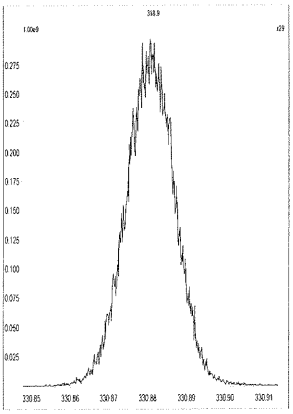
M 304.9824 R 11793



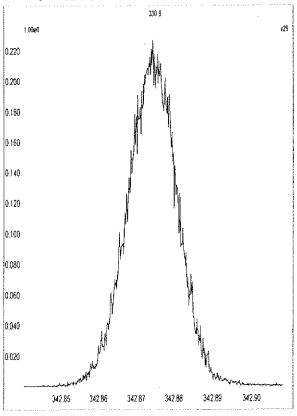
M 318.9792 R 11960



M 330.9792 R 11470



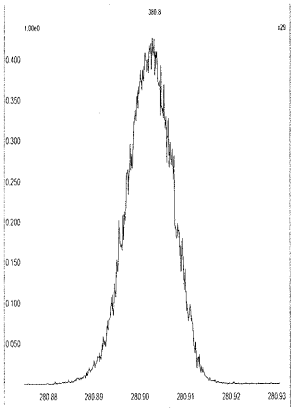
M 342.9792 R 10917



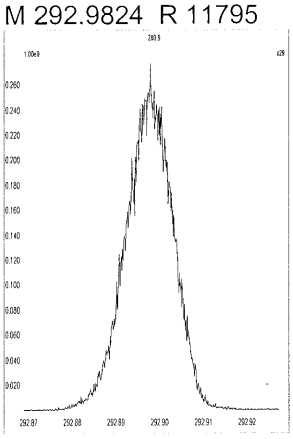
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Saturday, November 26, 2011 05:27:18 Central Standard Time

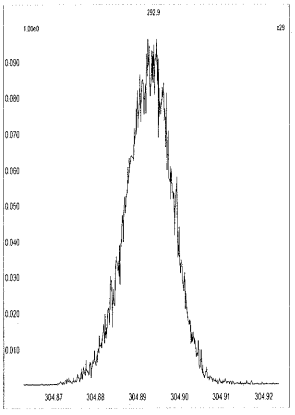
M 280.9824 R 12314



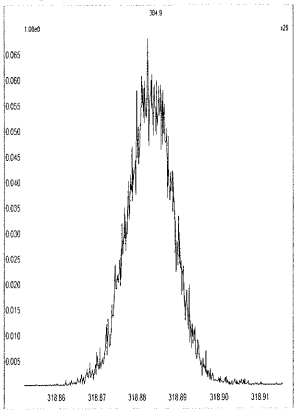
M 292.9824 R 11795



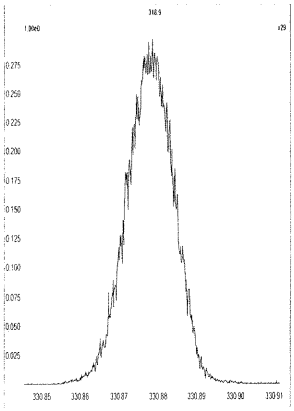
M 304.9824 R 11574



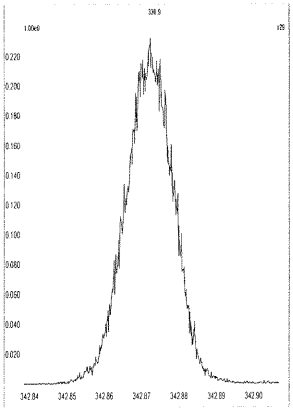
M 318.9792 R 12259



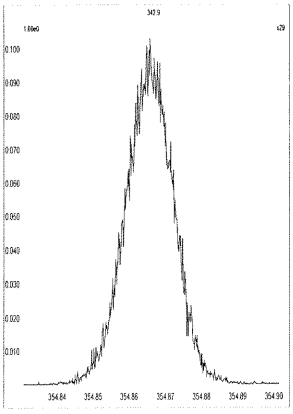
M 330.9792 R 12016



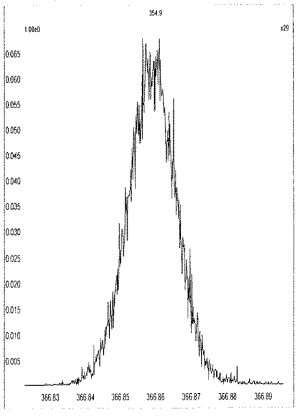
M 342.9792 R 11737



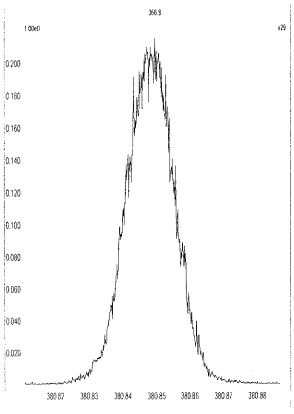
M 354.9792 R 11315



M 366.9792 R 11364



M 380.9760 R 11260

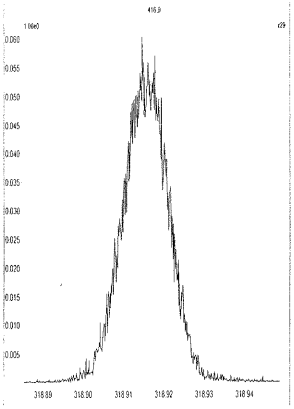


Experiment Calibration Report **MassLynx 4.1**

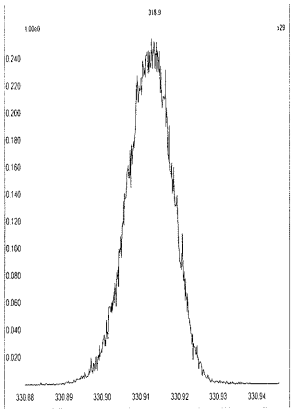
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Saturday, November 26, 2011 05:27:42 Central Standard Time

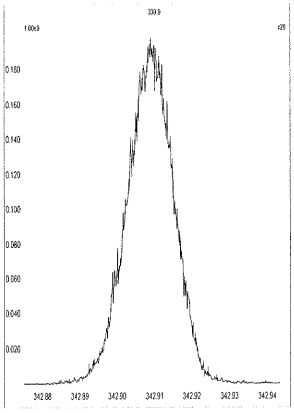
M 318.9792 R 12077



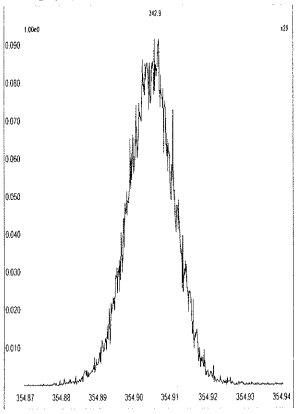
M 330.9792 R 12253



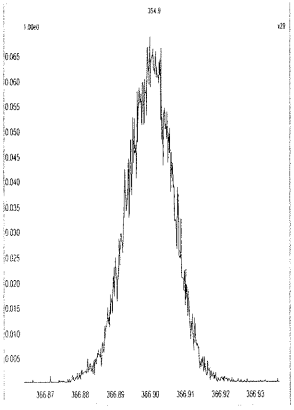
M 342.9792 R 11963



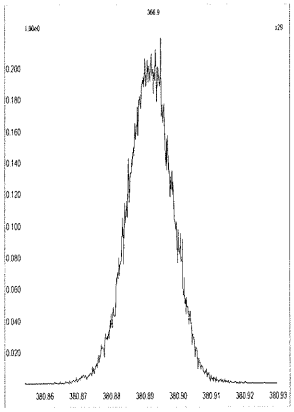
M 354.9792 R 11791



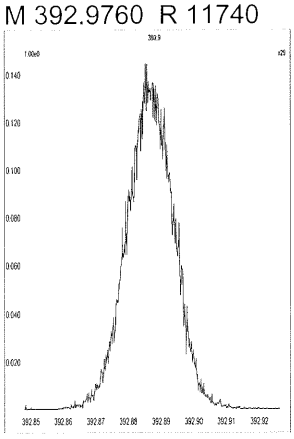
M 366.9792 R 12257



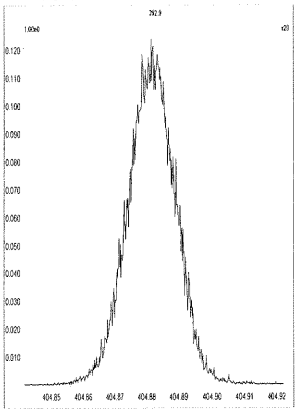
M 380.9760 R 12316



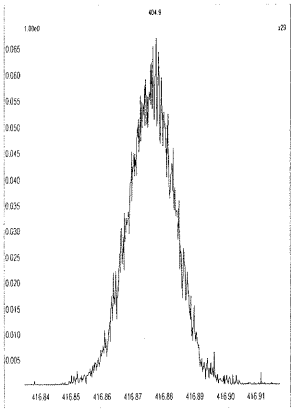
M 392.9760 R 11740



M 404.9760 R 11679



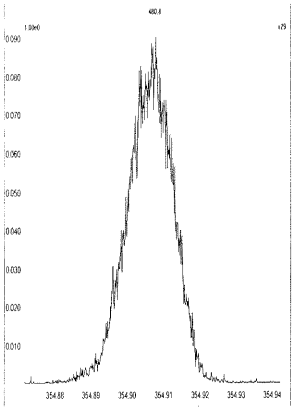
M 416.9760 R 12019



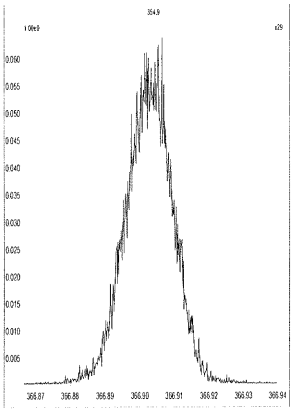
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 6 @ 200 (ppm)

Printed: Saturday, November 26, 2011 05:28:09 Central Standard Time

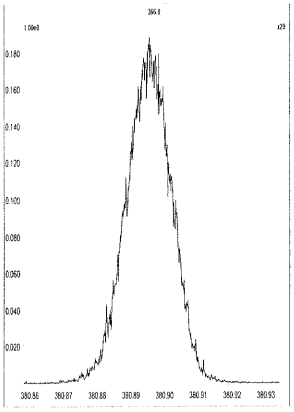
M 354.9792 R 12689



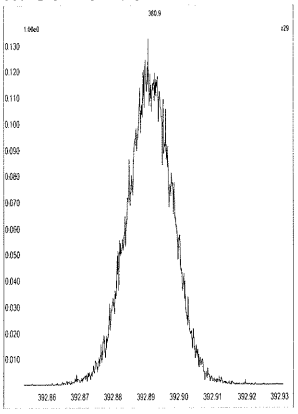
M 366.9792 R 12016



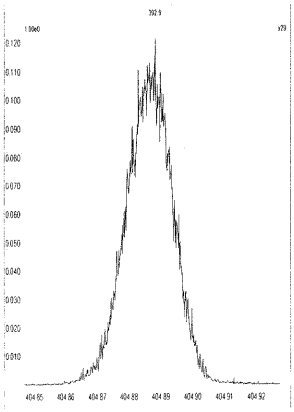
M 380.9760 R 12256



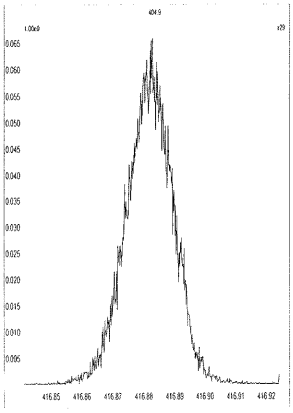
M 392.9760 R 12314



M 404.9760 R 12752

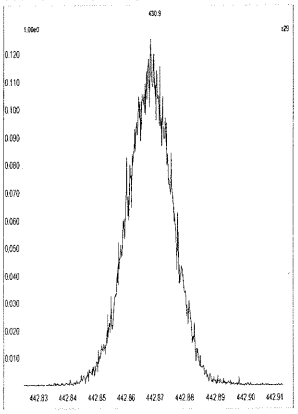


M 416.9760 R 12376

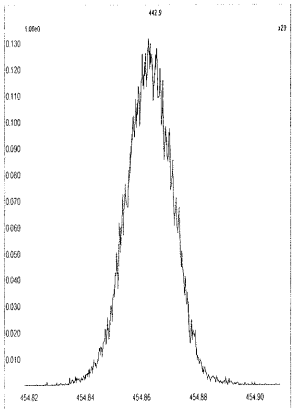


M 430.9728 R 12503

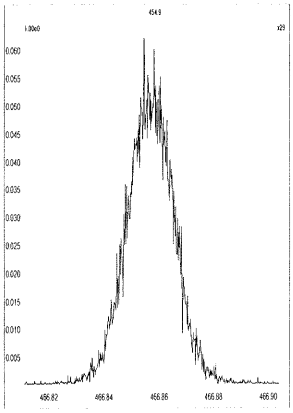
M 442.9728 R 12256



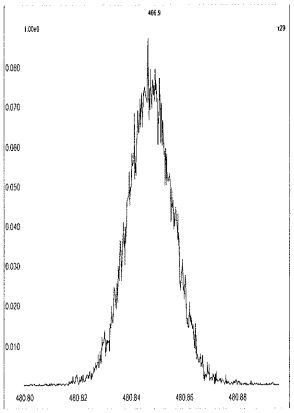
M 454.9728 R 11737



M 466.9728 R 11739



M 480.9696 R 11683



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 7 @ 200 (ppm)

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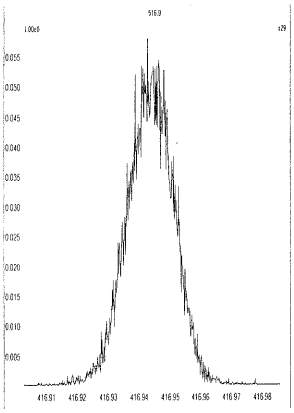
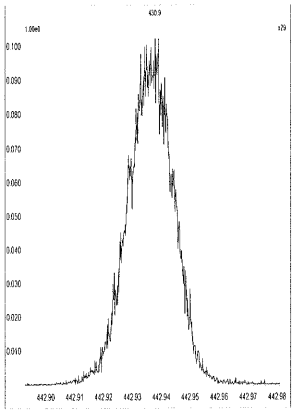
M 416.9760 R 12312

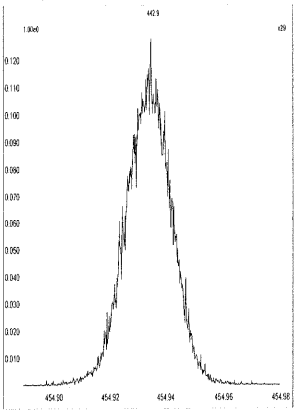


M 430.9728 R 12078

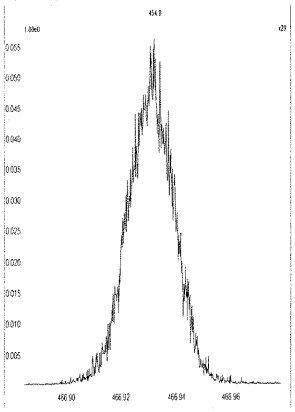
M 442.9728 R 12890



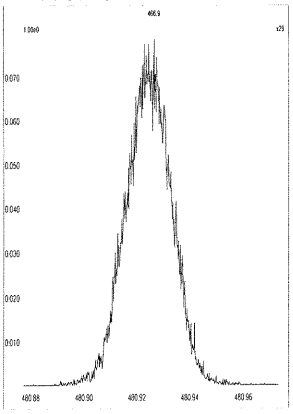
M 454.9728 R 11790



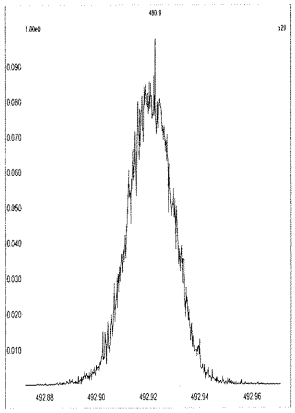
M 466.9728 R 12315



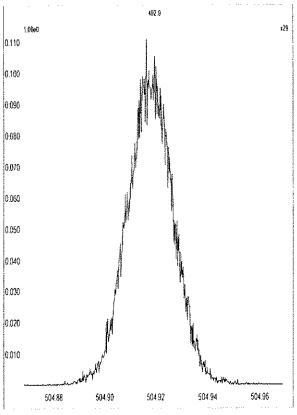
M 480.9696 R 12314



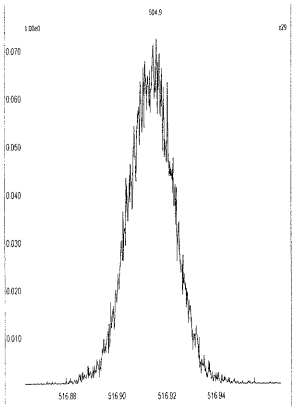
M 492.9696 R 12196



M 504.9696 R 12562



M 516.9697 R 12624

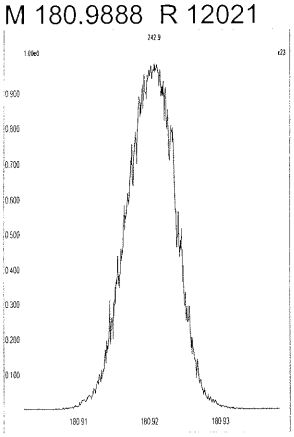


Experiment Calibration Report **MassLynx 4.1**

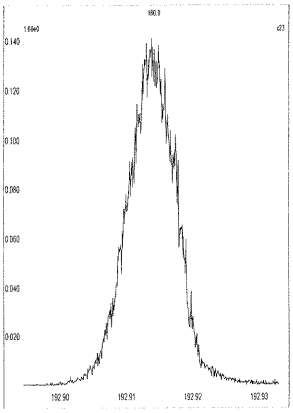
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Saturday, November 26, 2011 14:04:44 Central Standard Time

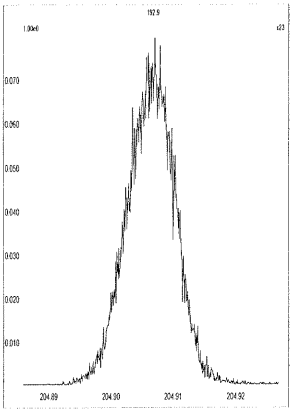
M 180.9888 R 12021



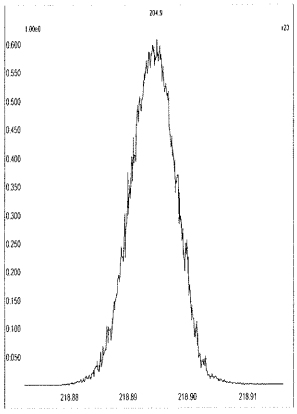
M 192.9888 R 10824



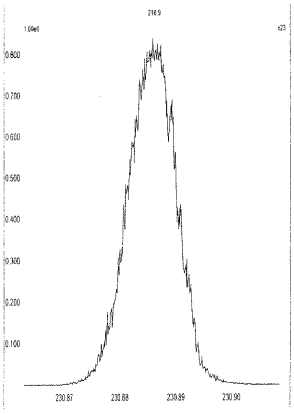
M 204.9888 R 11903



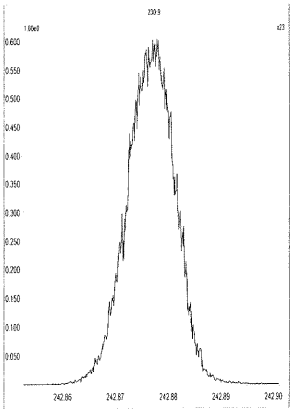
M 218.9856 R 12195



M 230.9856 R 12020



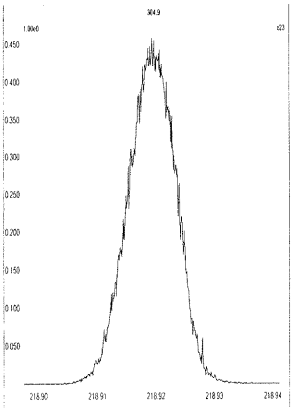
M 242.9856 R 11738



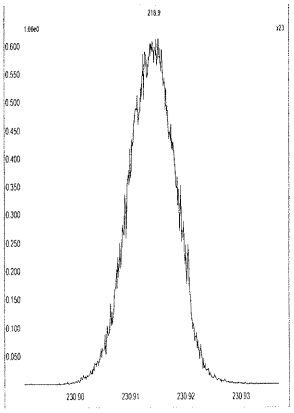
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Saturday, November 26, 2011 14:05:45 Central Standard Time

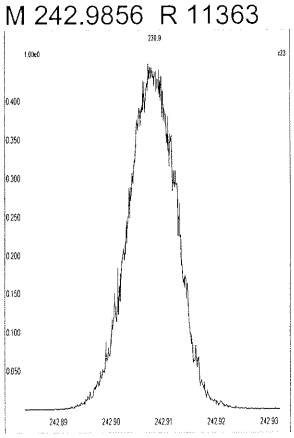
M 218.9856 R 11738



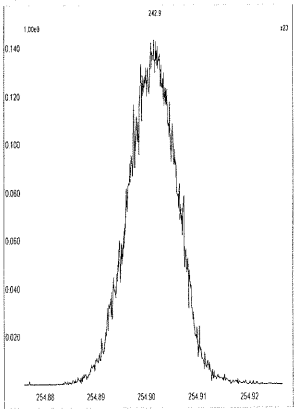
M 230.9856 R 11794



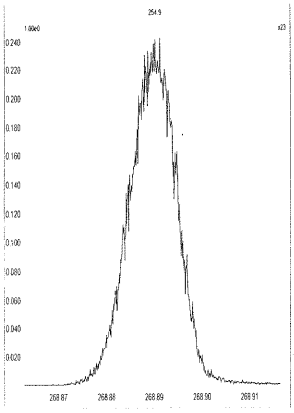
M 242.9856 R 11363



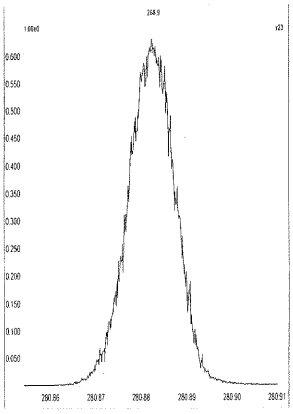
M 254.9856 R 11904



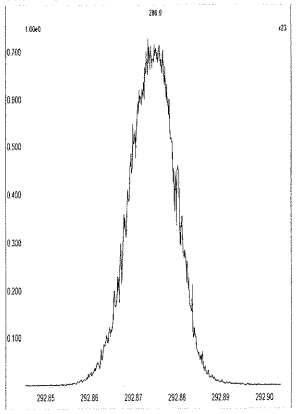
M 268.9824 R 12256



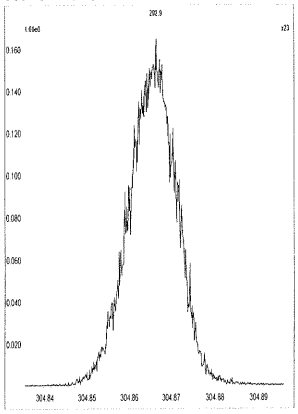
M 280.9824 R 11680



M 292.9824 R 11900



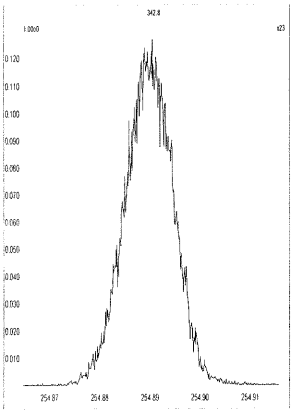
M 304.9824 R 12019



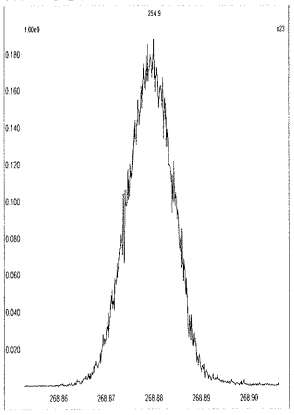
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Saturday, November 26, 2011 14:07:26 Central Standard Time

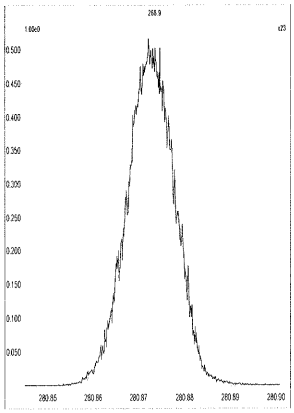
M 254.9856 R 11311



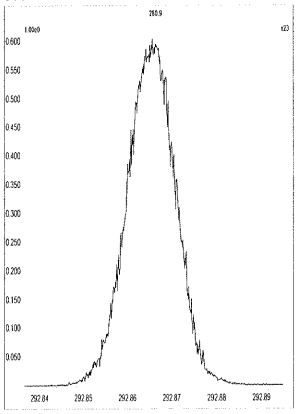
M 268.9824 R 12020



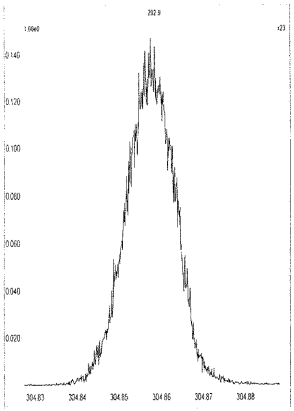
M 280.9824 R 11909



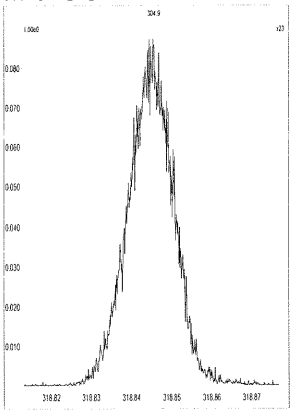
M 292.9824 R 11469



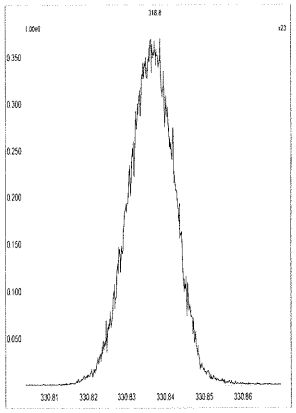
M 304.9824 R 11791



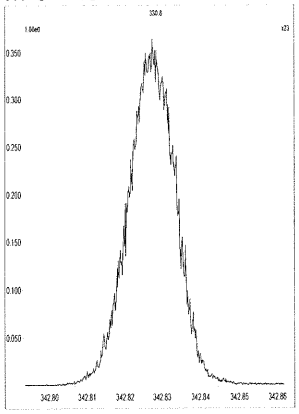
M 318.9792 R 12623



M 330.9792 R 11962



M 342.9792 R 11847

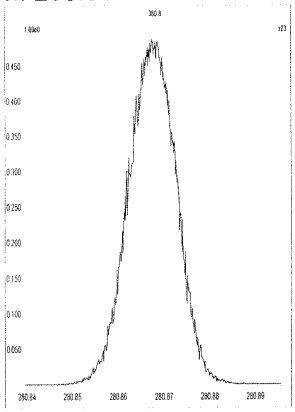


Experiment Calibration Report **MassLynx 4.1**

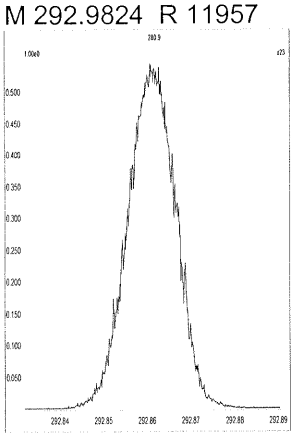
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Saturday, November 26, 2011 14:08:32 Central Standard Time

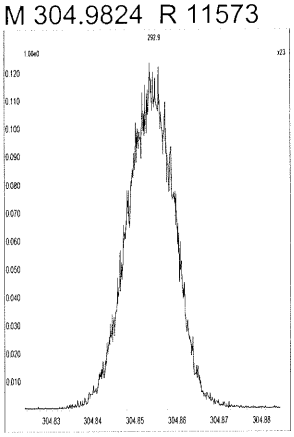
M 280.9824 R 11846



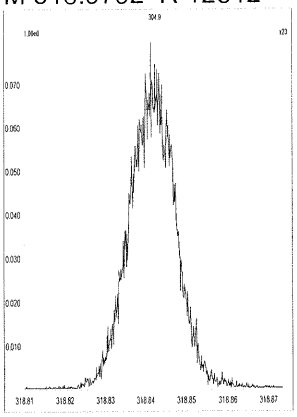
M 292.9824 R 11957



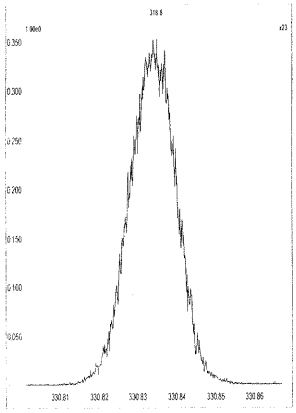
M 304.9824 R 11573



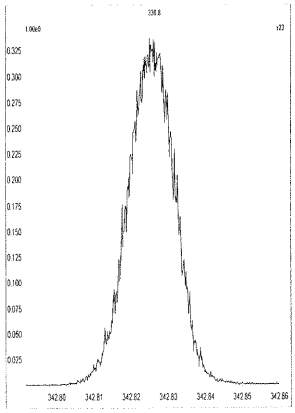
M 318.9792 R 12312



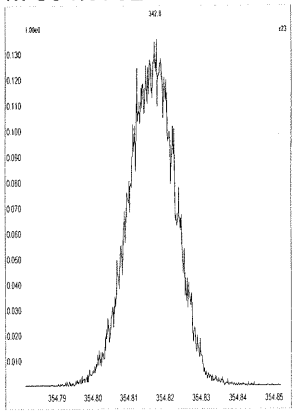
M 330.9792 R 12255



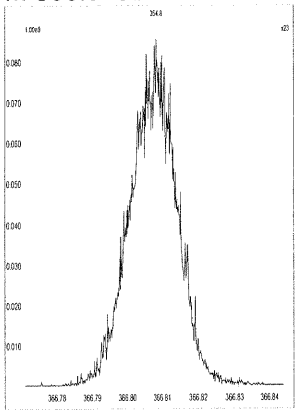
M 342.9792 R 11960



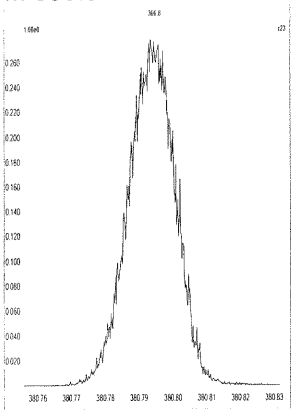
M 354.9792 R 11517



M 366.9792 R 11847



M 380.9760 R 12075



Experiment Calibration Report **MassLynx 4.1**

File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

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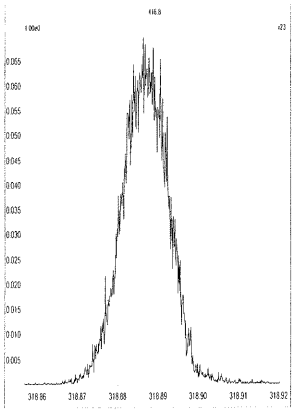
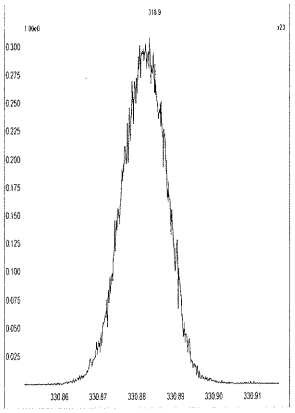
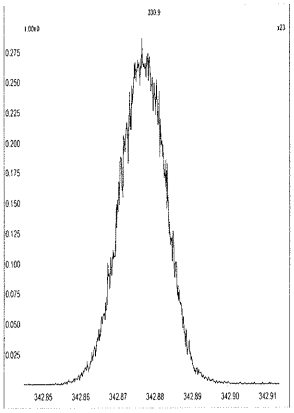
M 318.9792 R 12819



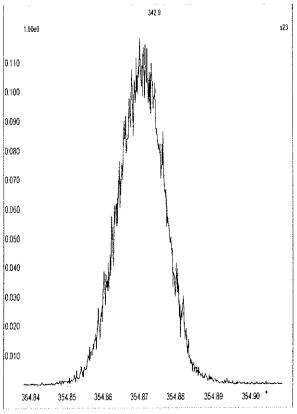
M 330.9792 R 12312



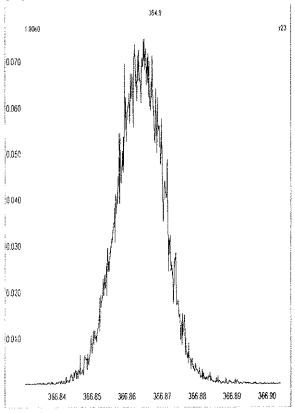
M 342.9792 R 12136



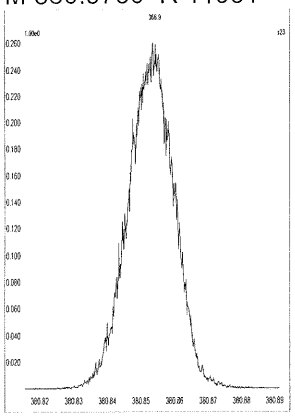
M 354.9792 R 11960



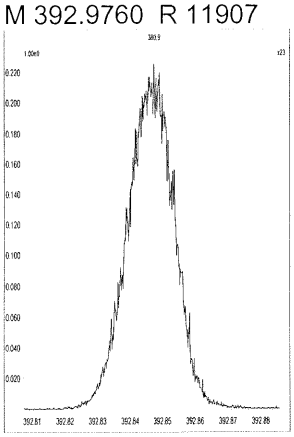
M 366.9792 R 11629



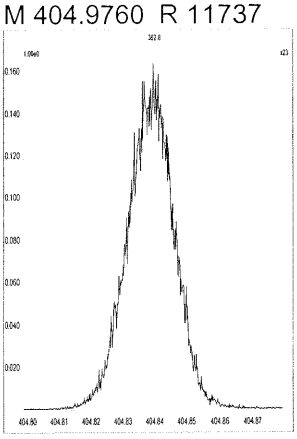
M 380.9760 R 11961



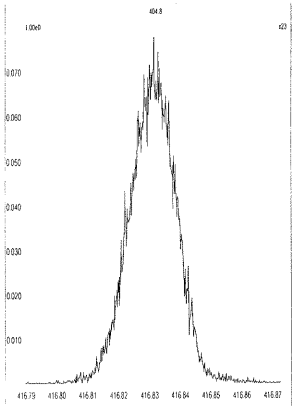
M 392.9760 R 11907



M 404.9760 R 11737



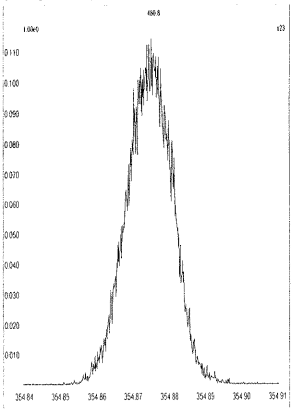
M 416.9760 R 12253



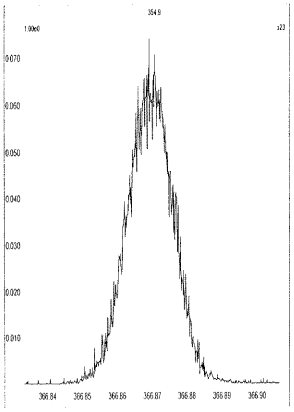
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 6 @ 200 (ppm)

Printed: Saturday, November 26, 2011 14:10:53 Central Standard Time

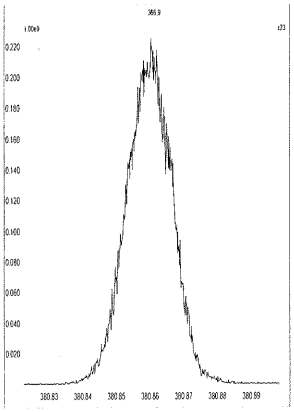
M 354.9792 R 12193



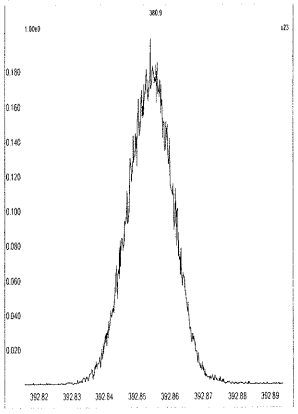
M 366.9792 R 12251



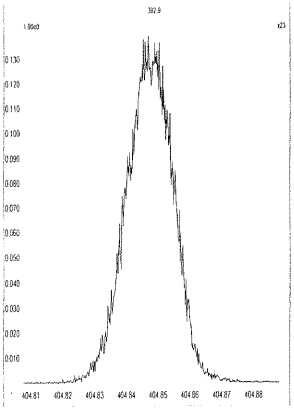
M 380.9760 R 12195



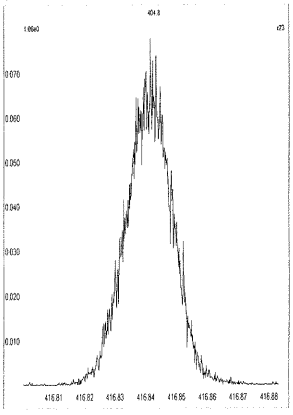
M 392.9760 R 12951



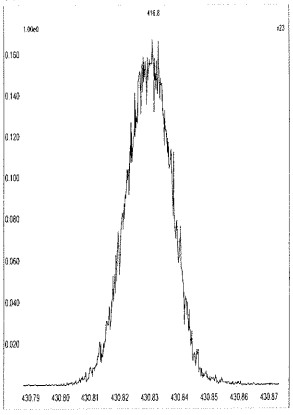
M 404.9760 R 12196



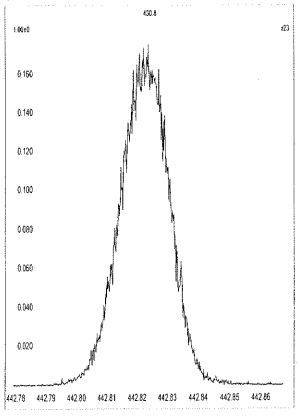
M 416.9760 R 12194



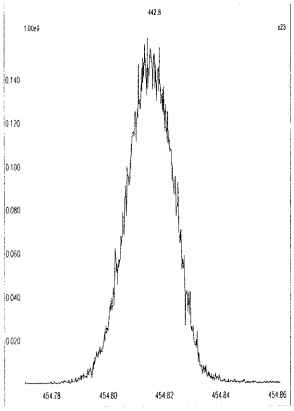
M 430.9728 R 12373



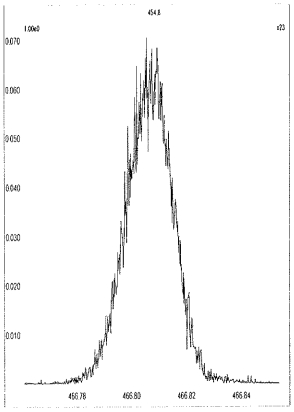
M 442.9728 R 11682



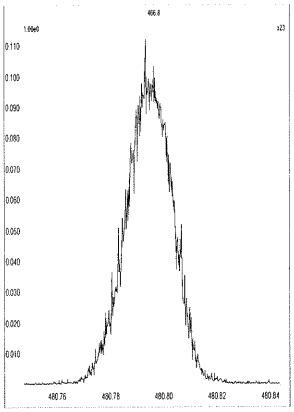
M 454.9728 R 11903



M 466.9728 R 11793



M 480.9696 R 12077

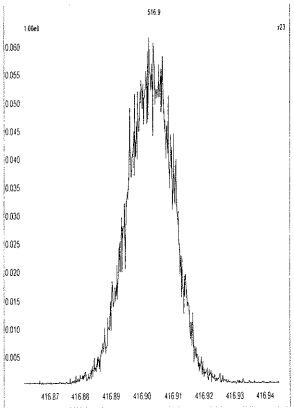


Experiment Calibration Report **MassLynx 4.1**

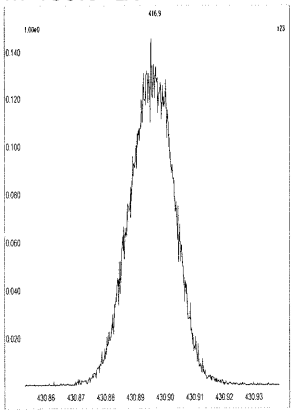
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 7 @ 200 (ppm)

Printed: Saturday, November 26, 2011 14:12:06 Central Standard Time

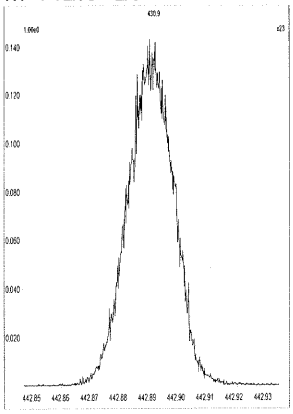
M 416.9760 R 13017



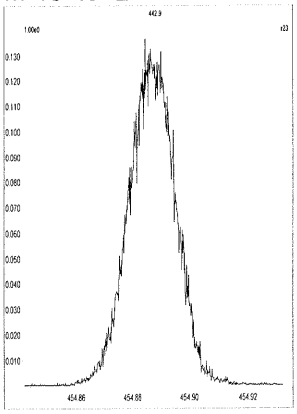
M 430.9728 R 12625



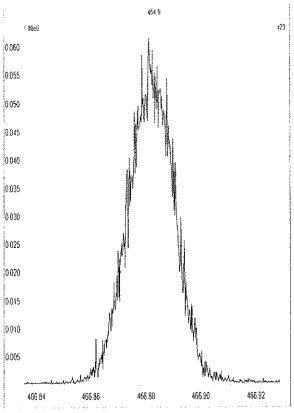
M 442.9728 R 12374



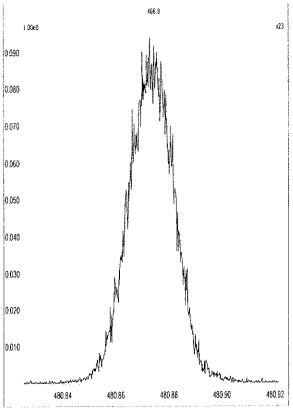
M 454.9728 R 12438



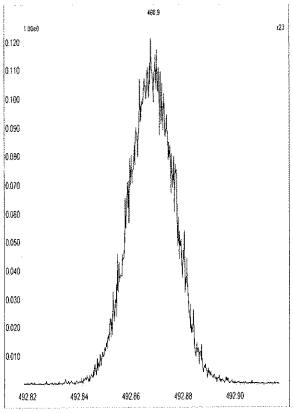
M 466.9728 R 12375



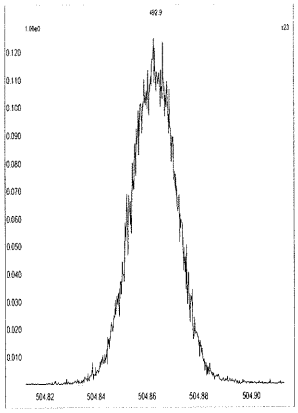
M 480.9696 R 12497



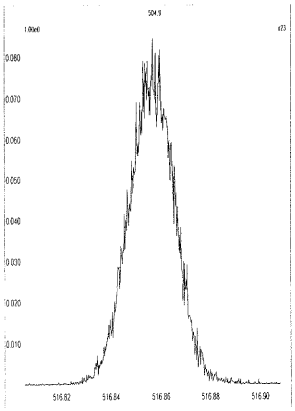
M 492.9696 R 12195



M 504.9696 R 12314



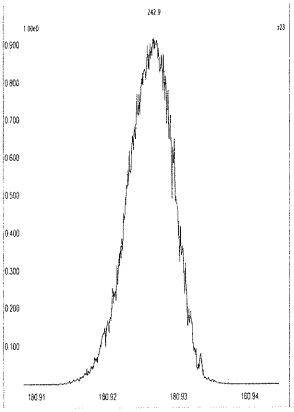
M 516.9697 R 12133



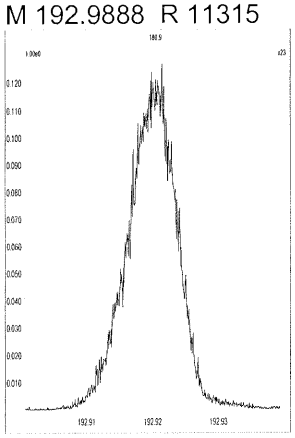
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Saturday, November 26, 2011 15:41:47 Central Standard Time

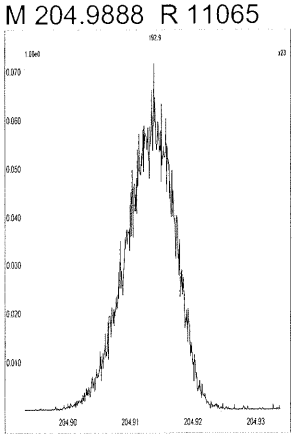
M 180.9888 R 12317



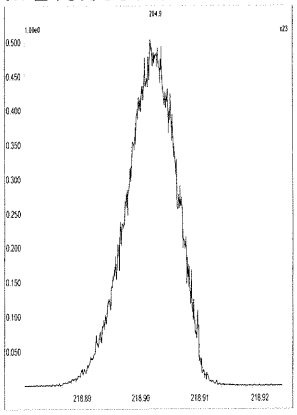
M 192.9888 R 11315



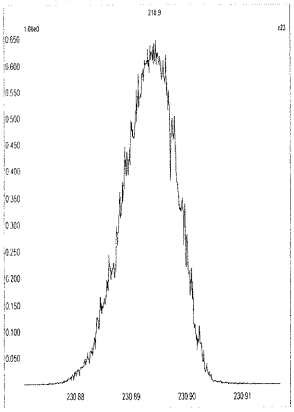
M 204.9888 R 11065



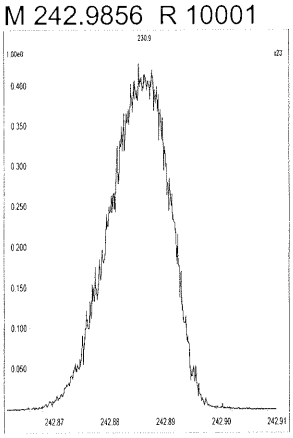
M 218.9856 R 11211



M 230.9856 R 10328



M 242.9856 R 10001

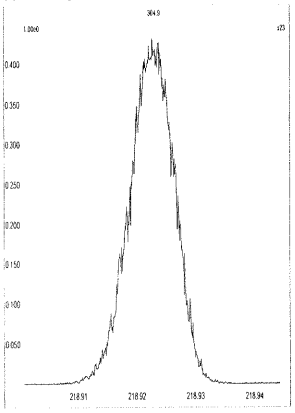


Experiment Calibration Report **MassLynx 4.1**

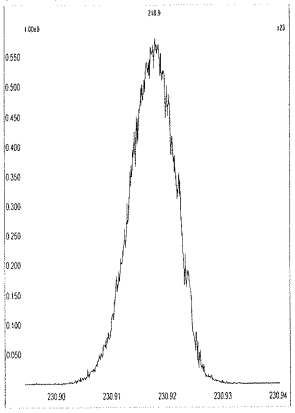
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Saturday, November 26, 2011 15:43:12 Central Standard Time

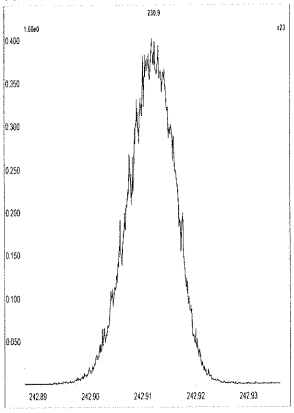
M 218.9856 R 12378



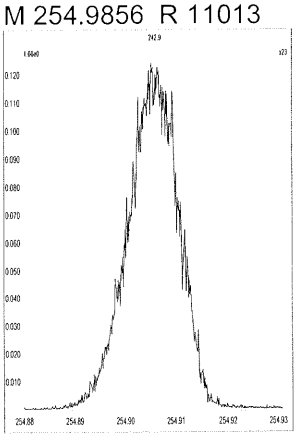
M 230.9856 R 12079



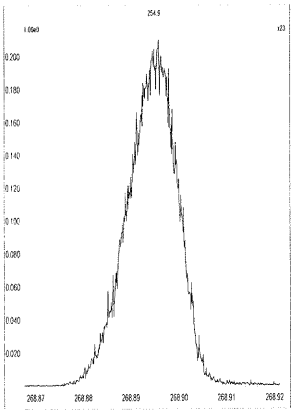
M 242.9856 R 11627



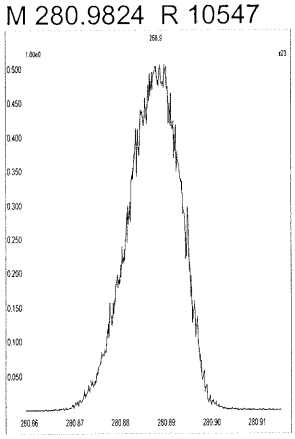
M 254.9856 R 11013



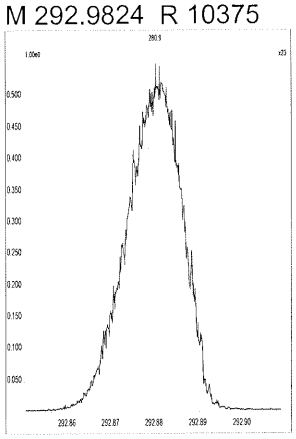
M 268.9824 R 11162



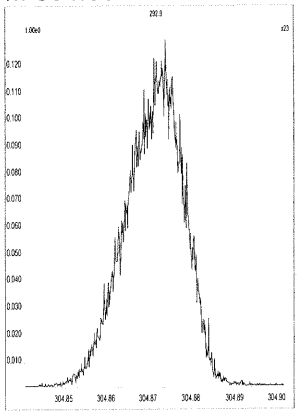
M 280.9824 R 10547



M 292.9824 R 10375



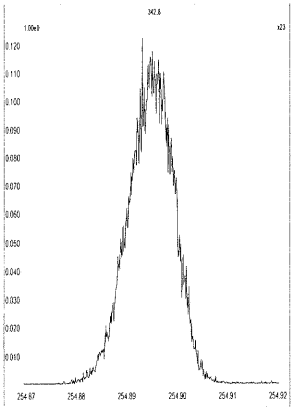
M 304.9824 R 10080



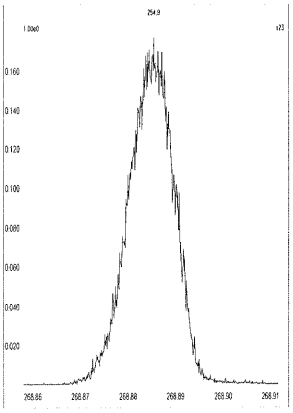
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Saturday, November 26, 2011 15:43:59 Central Standard Time

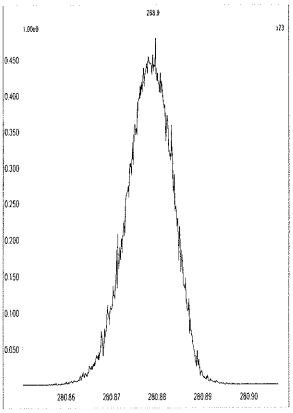
M 254.9856 R 12437



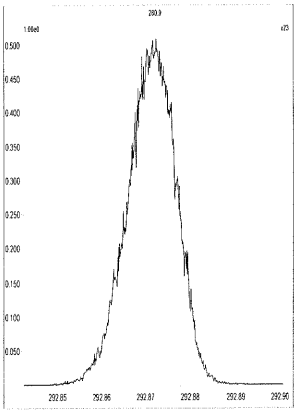
M 268.9824 R 12316



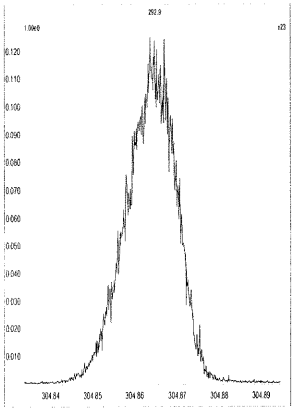
M 280.9824 R 11960



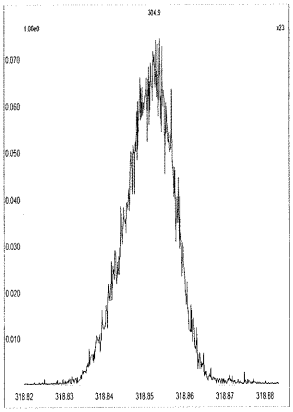
M 292.9824 R 11464



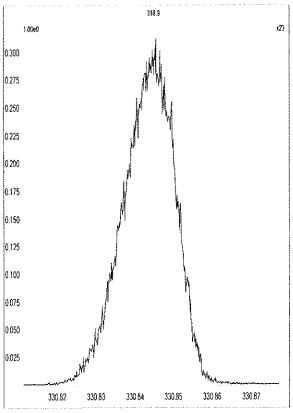
M 304.9824 R 11061



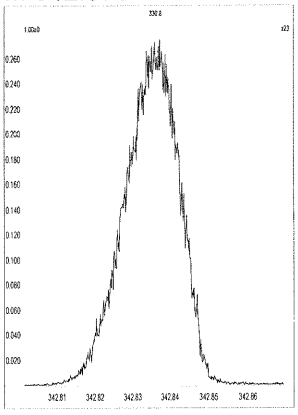
M 318.9792 R 10872



M 330.9792 R 10965



M 342.9792 R 10287

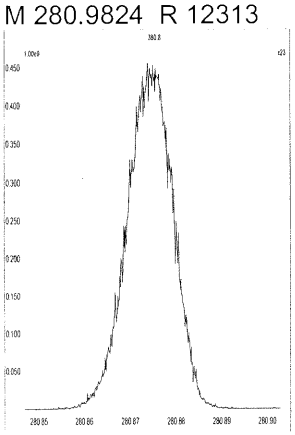


Experiment Calibration Report **MassLynx 4.1**

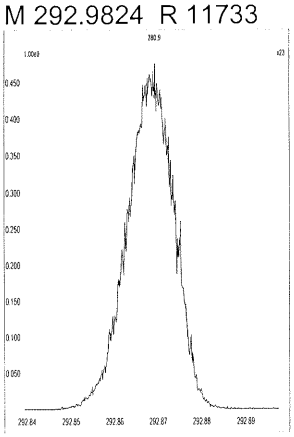
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Saturday, November 26, 2011 15:44:47 Central Standard Time

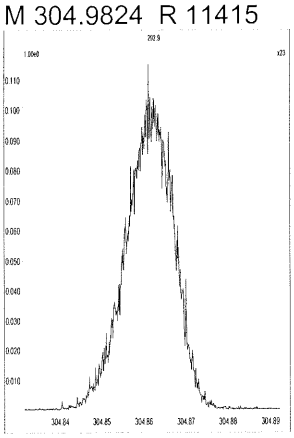
M 280.9824 R 12313



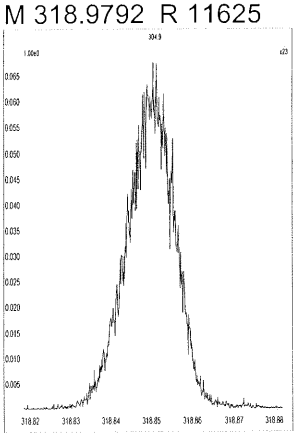
M 292.9824 R 11733



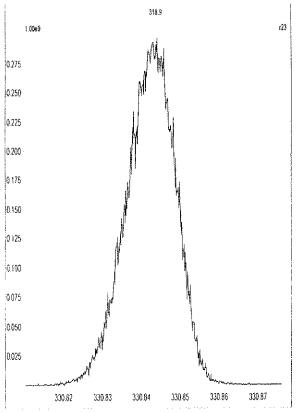
M 304.9824 R 11415



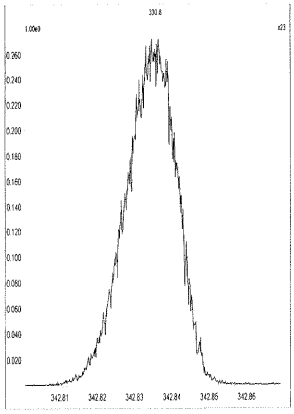
M 318.9792 R 11625



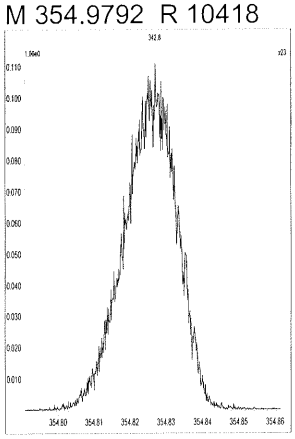
M 330.9792 R 11262



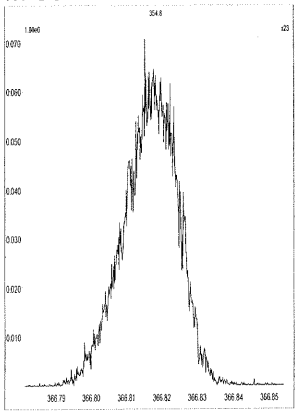
M 342.9792 R 10916



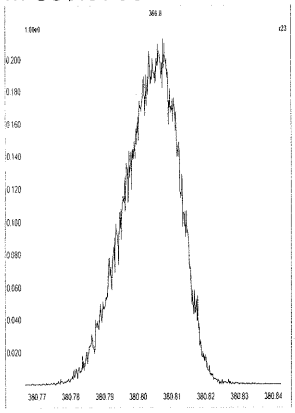
M 354.9792 R 10418



M 366.9792 R 10287



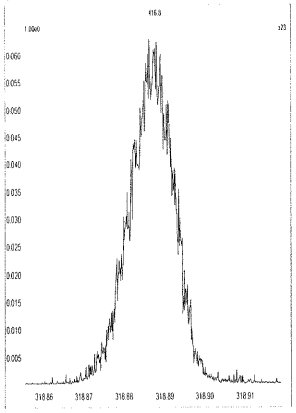
M 380.9760 R 10415



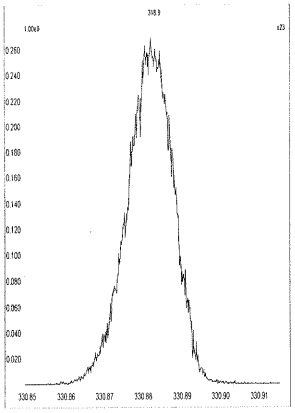
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Saturday, November 26, 2011 15:45:39 Central Standard Time

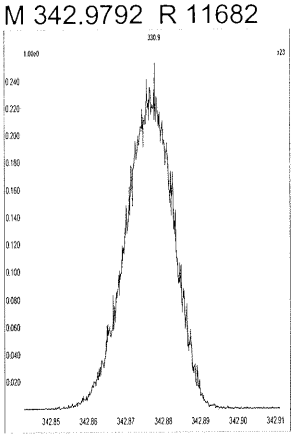
M 318.9792 R 12076



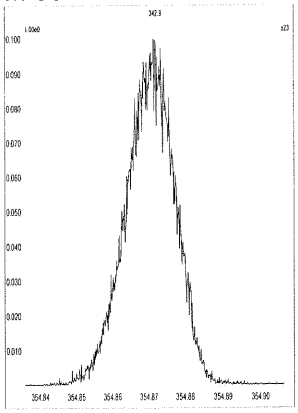
M 330.9792 R 11845



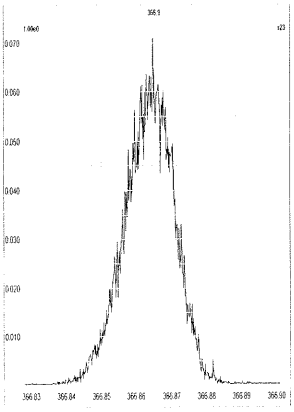
M 342.9792 R 11682



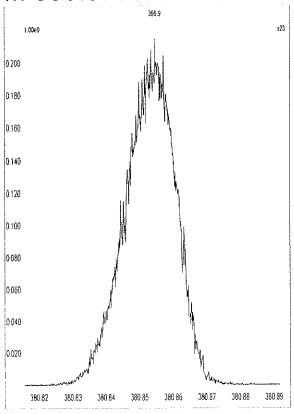
M 354.9792 R 11626



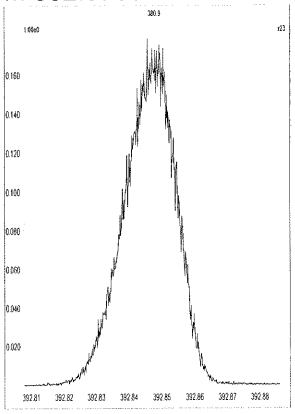
M 366.9792 R 11063



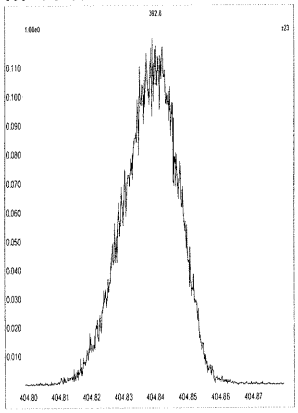
M 380.9760 R 11160



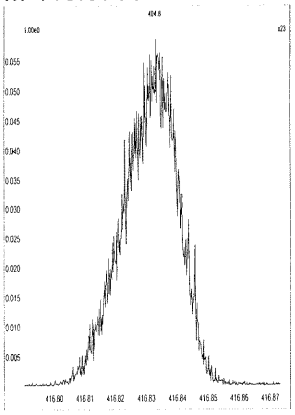
M 392.9760 R 10962



M 404.9760 R 10417



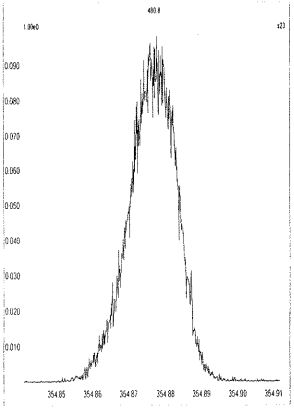
M 416.9760 R 10592



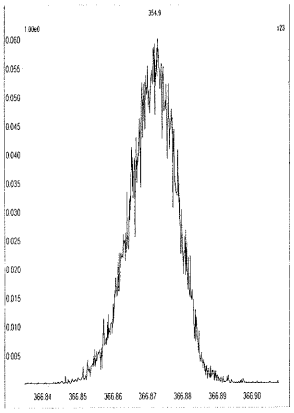
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 6 @ 200 (ppm)

Printed: Saturday, November 26, 2011 15:47:06 Central Standard Time

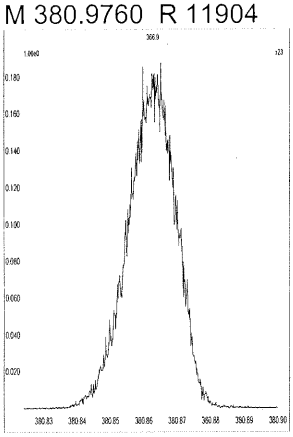
M 354.9792 R 11362



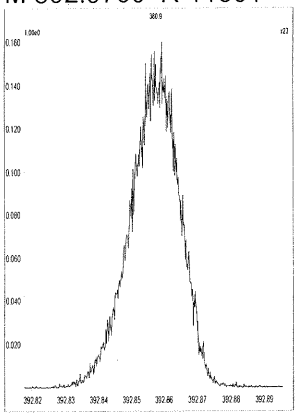
M 366.9792 R 12316



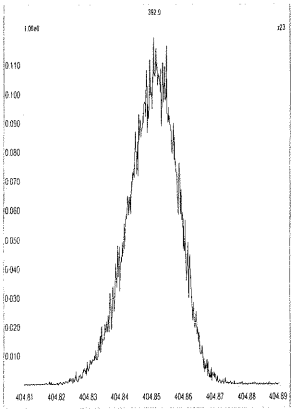
M 380.9760 R 11904



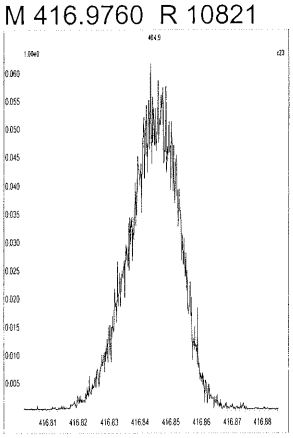
M 392.9760 R 11361



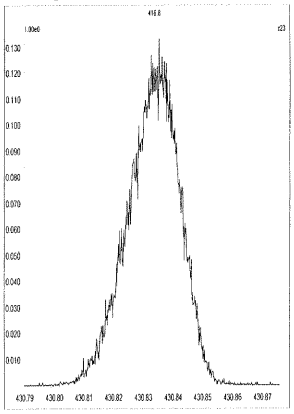
M 404.9760 R 11062



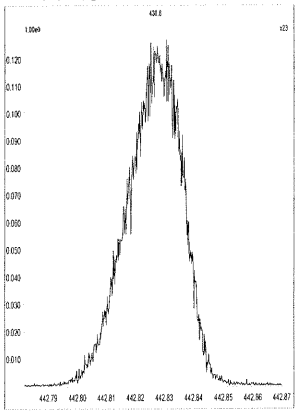
M 416.9760 R 10821



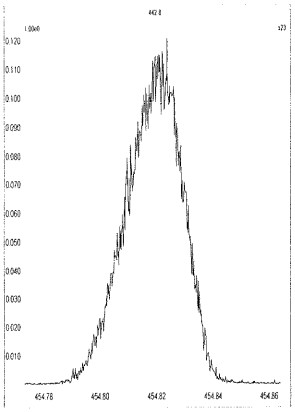
M 430.9728 R 10418



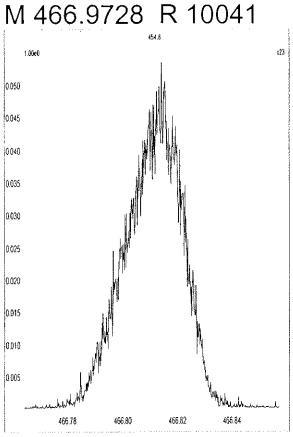
M 442.9728 R 10548



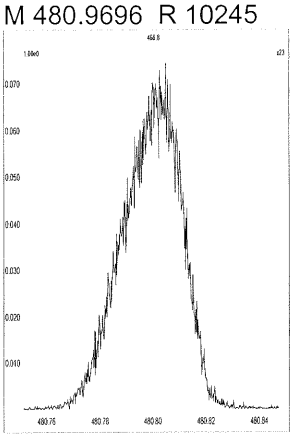
M 454.9728 R 10244



M 466.9728 R 10041



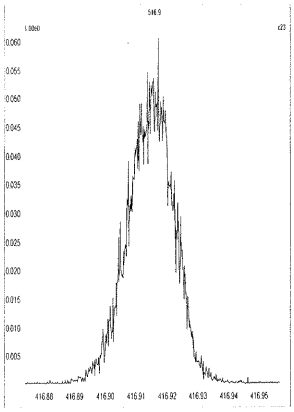
M 480.9696 R 10245



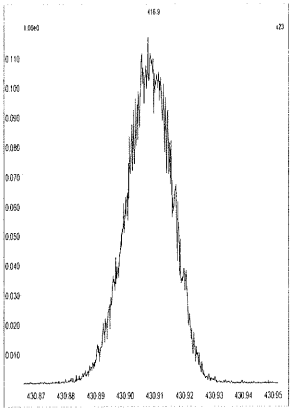
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 7 @ 200 (ppm)

Printed: Saturday, November 26, 2011 15:48:04 Central Standard Time

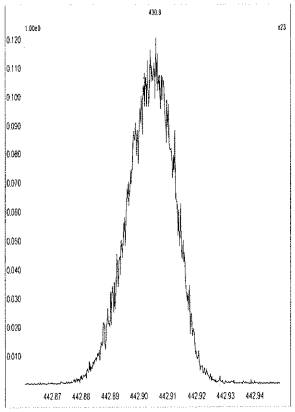
M 416.9760 R 12439



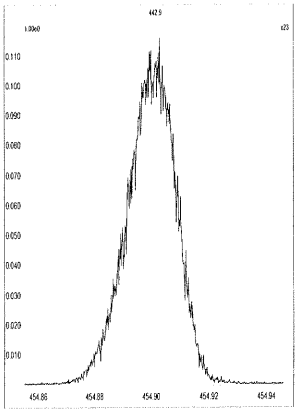
M 430.9728 R 11737



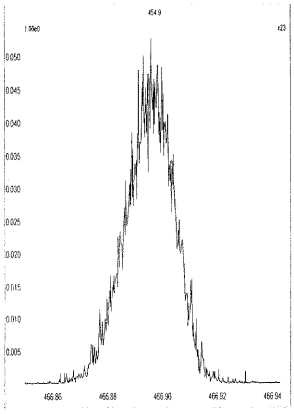
M 442.9728 R 11850



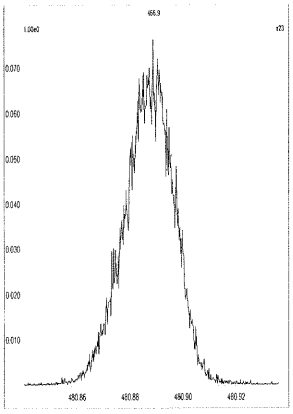
M 454.9728 R 11161



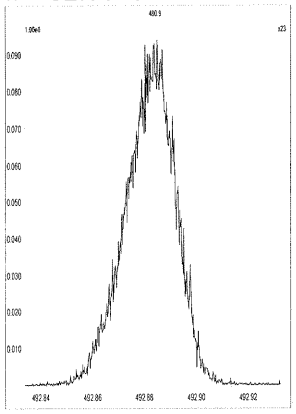
M 466.9728 R 11418



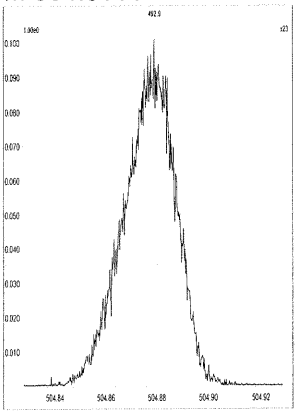
M 480.9696 R 11162



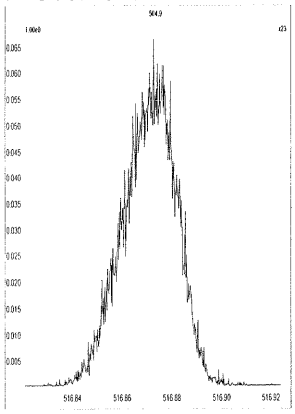
M 492.9696 R 11059



M 504.9696 R 10682



M 516.9697 R 10914



DCCS2091

METHOD 1668
DILUTED COMBINED 209 CONGENER SOLUTION (DCCS-209)

CLIENT ID:

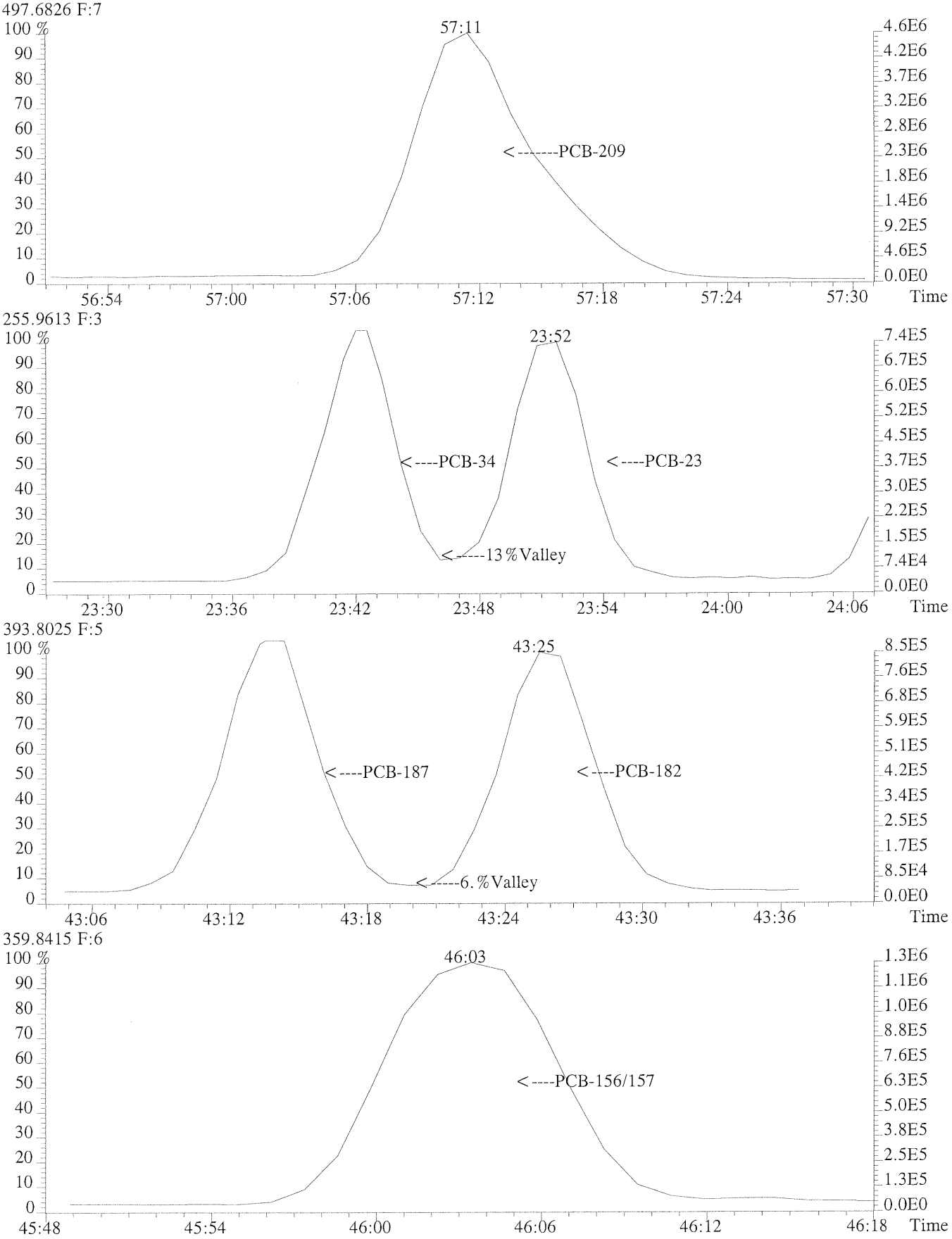
DCCS-209

Lab Name: COLUMBIA ANALYTICAL SERVICES
Lab Code: CAS Case No.: _____ SDG No.:
GC Column: SPB-Octyl ID: 0.25 (mm) Lab File ID: U142173
Date Analyzed: 26-NOV-2011
Time Analyzed: 05:29:30

Retention Time for PCB 209:	(>55 min)	57:11
% Valley between PCB 34 and PCB 23:	(<40%)	13
% Valley between PCB 187 and PCB 182:	(<40%)	6.
Seconds of coelution between PCB 156 and PCB 157:	(<2 sec)	0

Reference: Section 6.9.1.1 Method 1668

File:U142173 #1-310 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
PCB-209

Run #8 Filename U142173 Samp: 1 Inj: 1 Acquired: 26-NOV-11 05:29:30
Processed: 28-NOV-11 13:57:12 Sample ID: B4-25-1

Ln#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	NotFnd	*	*	*	n	n	1.0712
2	1	PCB-2	15:27	5.500e+03	1.797e+03	3.06	y	n	1.1278
3	1	PCB-3	NotFnd	*	*	*	n	n	1.0363
4	1	PCB-4	NotFnd	*	*	*	n	n	1.1136
5	1	PCB-10	16:04	5.802e+03	3.598e+03	1.61	y	n	1.8936
6	2	PCB-9	17:56	3.819e+03	2.494e+03	1.53	y	n	1.2719
7	2	PCB-7	18:07	3.754e+03	2.450e+03	1.53	y	n	1.2493
8	2	PCB-6	18:21	3.734e+03	2.518e+03	1.48	y	n	1.2594
9	2	PCB-5	18:40	3.376e+03	2.111e+03	1.60	y	n	1.1053
10	2	PCB-8	18:48	3.986e+03	2.575e+03	1.55	y	n	1.3217
11	2	PCB-14	20:28	3.737e+03	2.413e+03	1.55	y	n	1.2389
12	2	PCB-11	21:19	3.719e+03	2.179e+03	1.71	y	n	1.1881
13	2	PCB-12/13	21:38	6.763e+03	4.286e+03	1.58	y	n	1.1130
14	2	PCB-15	NotFnd	*	*	*	n	n	0.9770
15	2	PCB-19	NotFnd	*	*	*	n	n	1.0009
16	2	PCB-18/30	20:59	5.759e+03	5.531e+03	1.04	y	n	1.2822
17	2	PCB-17	21:26	2.363e+03	2.333e+03	1.01	y	n	1.0667
18	2	PCB-27	21:39	3.244e+03	3.142e+03	1.03	y	n	1.4503
19	2	PCB-24	21:46	2.978e+03	3.028e+03	0.98	y	n	1.3640
20	2	PCB-16	21:53	2.073e+03	1.994e+03	1.04	y	n	0.9238
21	2	PCB-32	22:24	3.448e+03	3.488e+03	0.99	y	n	1.5752
22	3	PCB-34	23:42	3.432e+03	3.250e+03	1.06	y	n	1.5177
23	3	PCB-23	23:52	3.293e+03	3.105e+03	1.06	y	n	1.4532
24	3	PCB-26/29	24:11	6.927e+03	6.607e+03	1.05	y	n	1.5370
25	3	PCB-25	24:25	3.662e+03	3.650e+03	1.00	y	n	1.6667
26	3	PCB-31	24:43	3.654e+03	3.448e+03	1.06	y	n	1.6132
27	3	PCB-20/28	25:02	6.686e+03	6.301e+03	1.06	y	n	1.4749
28	3	PCB-21/33	25:15	6.831e+03	6.629e+03	1.03	y	n	1.5285
29	3	PCB-22	25:40	3.093e+03	3.076e+03	1.01	y	n	1.4011
30	3	PCB-36	27:15	3.491e+03	3.364e+03	1.04	y	n	1.5570
31	3	PCB-39	27:37	3.464e+03	3.309e+03	1.05	y	n	1.5383
32	3	PCB-38	28:12	3.313e+03	3.197e+03	1.04	y	n	1.4787
33	3	PCB-35	28:40	3.490e+03	3.222e+03	1.08	y	n	1.5243
34	3	PCB-37	NotFnd	*	*	*	n	n	1.0888
35	2	PCB-54	NotFnd	*	*	*	n	n	1.0020
36	3	PCB-50/53	24:26	8.795e+03	1.152e+04	0.76	y	n	1.1807
37	3	PCB-45/51	25:11	8.670e+03	1.094e+04	0.79	y	y	1.1396
38	3	PCB-46	25:26	3.606e+03	4.757e+03	0.76	y	y	0.9720
39	3	PCB-52	26:52	4.673e+03	6.215e+03	0.75	y	y	1.2656
40	3	PCB-43/73	27:00	9.301e+03	1.222e+04	0.76	y	y	1.2509
41	3	PCB-49/69	27:20	1.020e+04	1.338e+04	0.76	y	n	1.3703
42	3	PCB-48	27:39	4.353e+03	5.661e+03	0.77	y	n	1.1649
43	3	PCB-44/47/65	27:54	1.437e+04	1.860e+04	0.77	y	n	1.2737
44	3	PCB-59/62/75	28:12	1.693e+04	2.205e+04	0.77	y	n	1.5103
45	3	PCB-42	28:24	4.184e+03	5.476e+03	0.76	y	n	1.1228
46	3	PCB-40/41/71	28:54	1.285e+04	1.684e+04	0.76	y	y	1.1504
47	3	PCB-64	29:07	5.964e+03	7.807e+03	0.76	y	n	1.6007
48	3	PCB-72	29:58	6.248e+03	7.895e+03	0.79	y	n	1.6439
49	3	PCB-68	30:16	5.962e+03	7.862e+03	0.76	y	n	1.6068
50	3	PCB-57	30:40	5.885e+03	7.357e+03	0.80	y	n	1.5391

51	3	PCB-58	30:55	5.521e+03	7.009e+03	0.79	y	n	1.4563
52	3	PCB-67	31:06	6.158e+03	7.402e+03	0.83	y	n	1.5762
53	3	PCB-63	31:22	5.981e+03	7.375e+03	0.81	y	n	1.5524
54	3	PCB-61/70/74/76	31:41	2.225e+04	2.858e+04	0.78	y	y	1.4771
55	3	PCB-66	32:01	5.828e+03	7.661e+03	0.76	y	n	1.5679
56	3	PCB-55	32:11	5.251e+03	6.667e+03	0.79	y	n	1.3852
57	4	PCB-56	32:42	4.756e+03	6.117e+03	0.78	y	n	1.2639
58	4	PCB-60	32:54	4.894e+03	6.179e+03	0.79	y	n	1.2871
59	4	PCB-80	33:20	5.395e+03	7.038e+03	0.77	y	n	1.44[illegible]
60	4	PCB-79	34:52	5.630e+03	7.121e+03	0.79	y	n	1.482[illegible]
61	4	PCB-78	35:26	5.145e+03	6.454e+03	0.80	y	n	1.3482
62	4	PCB-81	NotFnd	*	*	*	n	n	1.0336
63	4	PCB-77	NotFnd	*	*	*	n	n	0.9953
64	3	PCB-104	NotFnd	*	*	*	n	n	1.0300
65	3	PCB-96	28:11	7.069e+03	4.525e+03	1.56	y	n	1.3500
66	3	PCB-103	30:08	6.170e+03	3.868e+03	1.60	y	n	1.1688
67	3	PCB-94	30:21	4.973e+03	3.090e+03	1.61	y	n	0.9389
68	3	PCB-95	30:48	5.658e+03	3.548e+03	1.59	y	n	1.0719
69	3	PCB-93/100	31:02	1.095e+04	6.713e+03	1.63	y	n	1.0281
70	3	PCB-98/102	31:10	1.061e+04	6.611e+03	1.60	y	n	1.0025
71	3	PCB-88/91	31:40	1.089e+04	6.620e+03	1.64	y	y	1.0193
72	3	PCB-84	31:53	4.702e+03	3.012e+03	1.56	y	y	0.8982
73	3	PCB-89	32:23	4.975e+03	3.130e+03	1.59	y	n	0.9437
74	4	PCB-121	32:48	7.427e+03	4.630e+03	1.60	y	n	1.4039
75	4	PCB-92	33:10	5.829e+03	3.674e+03	1.59	y	n	1.1066
76	4	PCB-90/101/113	33:45	1.900e+04	1.218e+04	1.56	y	n	1.2[illegible]
77	4	PCB-83/99	34:21	1.156e+04	7.548e+03	1.53	y	y	1.11[illegible]
78	4	PCB-112	34:28	7.403e+03	4.689e+03	1.58	y	y	1.40[illegible]
79	4	PCB-86/87/97/109/119/125	34:51	3.952e+04	2.535e+04	1.56	y	y	1.2590
80	4	PCB-117	35:29	6.313e+03	4.108e+03	1.54	y	n	1.2134
81	4	PCB-85/116	35:35	1.347e+04	8.465e+03	1.59	y	n	1.2771
82	4	PCB-110/115	35:49	1.456e+04	9.311e+03	1.56	y	y	1.3900
83	4	PCB-82	36:04	4.950e+03	3.204e+03	1.55	y	n	0.9494
84	4	PCB-111	36:29	7.370e+03	4.697e+03	1.57	y	n	1.4050
85	4	PCB-120	36:56	8.016e+03	5.174e+03	1.55	y	n	1.5358
86	5	PCB-108/124	38:04	1.186e+04	7.307e+03	1.62	y	n	1.1157
87	5	PCB-107	38:19	5.866e+03	3.678e+03	1.59	y	n	1.1113
88	5	PCB-123	NotFnd	*	*	*	n	n	1.0180
89	5	PCB-106	38:33	6.173e+03	3.764e+03	1.64	y	n	1.1570
90	5	PCB-118	NotFnd	*	*	*	n	n	0.9968
91	5	PCB-122	39:06	5.778e+03	3.694e+03	1.56	y	n	1.1029
92	5	PCB-114	NotFnd	*	*	*	n	n	0.9914
93	5	PCB-105	NotFnd	*	*	*	n	n	1.0109
94	5	PCB-127	41:25	5.630e+03	3.559e+03	1.58	y	n	1.0699
95	5	PCB-126	NotFnd	*	*	*	n	n	0.96[illegible]
96	4	PCB-155	NotFnd	*	*	*	n	n	0.98[illegible]
97	4	PCB-152	33:43	7.569e+03	5.987e+03	1.26	y	n	2.0145
98	4	PCB-150	33:54	7.315e+03	5.887e+03	1.24	y	n	1.9620
99	4	PCB-136	34:15	7.356e+03	5.916e+03	1.24	y	n	1.9723
100	4	PCB-145	34:33	6.684e+03	5.542e+03	1.21	y	n	1.8169
101	4	PCB-148	36:05	5.453e+03	4.498e+03	1.21	y	n	1.4787
102	4	PCB-135/151	36:41	1.082e+04	8.568e+03	1.26	y	n	1.4406
103	4	PCB-154	36:56	5.980e+03	4.875e+03	1.23	y	n	1.6133
104	4	PCB-144	37:15	5.505e+03	4.465e+03	1.23	y	n	1.4817
105	5	PCB-147/149	37:36	9.811e+03	7.779e+03	1.26	y	n	1.3070
106	5	PCB-134	37:48	4.323e+03	3.522e+03	1.23	y	n	1.1658
107	5	PCB-143	37:54	4.518e+03	3.786e+03	1.19	y	n	1.2342

108	5	PCB-139/140	38:12	9.687e+03	7.740e+03	1.25	y	n	1.2950
109	5	PCB-131	38:24	4.274e+03	3.480e+03	1.23	y	n	1.1524
110	5	PCB-142	38:33	4.414e+03	3.568e+03	1.24	y	n	1.18[illegible]
111	5	PCB-132	38:51	4.483e+03	3.547e+03	1.26	y	n	1.1934
112	5	PCB-133	39:22	4.697e+03	3.951e+03	1.19	y	n	1.2851
113	5	PCB-165	39:46	5.649e+03	4.485e+03	1.26	y	n	1.5060
114	5	PCB-146	40:01	4.831e+03	3.904e+03	1.24	y	n	1.2981
115	5	PCB-161	40:09	6.446e+03	5.315e+03	1.21	y	n	1.7477
116	5	PCB-153/168	40:39	1.168e+04	9.491e+03	1.23	y	n	1.5731
117	5	PCB-141	40:50	4.463e+03	3.598e+03	1.24	y	n	1.1979
118	5	PCB-130	41:14	4.058e+03	3.451e+03	1.18	y	n	1.1161
119	5	PCB-137	41:27	4.272e+03	3.506e+03	1.22	y	n	1.1559
120	5	PCB-164	41:35	5.711e+03	4.642e+03	1.23	y	n	1.5387
121	5	PCB-129/138/163	41:54	1.443e+04	1.181e+04	1.22	y	n	1.3000
122	5	PCB-160	42:03	5.461e+03	4.403e+03	1.24	y	n	1.4658
123	5	PCB-158	42:17	6.100e+03	4.973e+03	1.23	y	n	1.6456
124	5	PCB-128/166	43:07	9.838e+03	7.755e+03	1.27	y	n	1.3073
125	6	PCB-159	44:08	3.973e+03	3.219e+03	1.23	y	n	1.0689
126	6	PCB-162	44:25	3.785e+03	3.200e+03	1.18	y	n	1.0380
127	6	PCB-167	NotFnd	*	*	*	n	n	1.0081
128	6	PCB-156/157	NotFnd	*	*	*	n	n	1.0000
129	6	PCB-169	NotFnd	*	*	*	n	n	0.99[illegible]
130	5	PCB-188	NotFnd	*	*	*	n	n	0.9902
131	5	PCB-179	39:36	6.042e+03	5.879e+03	1.03	y	n	1.4735
132	5	PCB-184	40:08	6.084e+03	5.880e+03	1.03	y	n	1.4788
133	5	PCB-176	40:29	6.002e+03	5.889e+03	1.02	y	n	1.4697
134	5	PCB-186	40:57	5.548e+03	5.455e+03	1.02	y	n	1.3600
135	5	PCB-178	42:20	4.339e+03	4.093e+03	1.06	y	n	1.0423
136	5	PCB-175	42:57	1.704e+03	1.677e+03	1.02	y	n	0.4178
137	5	PCB-187	43:13	4.494e+03	4.067e+03	1.10	y	n	1.0581
138	5	PCB-182	43:25	3.815e+03	3.828e+03	1.00	y	n	0.9448
139	6	PCB-183	43:51	3.869e+03	3.639e+03	1.06	y	y	0.9280
140	6	PCB-185	43:56	2.434e+03	2.544e+03	0.96	y	y	0.6153
141	6	PCB-174	44:05	2.923e+03	2.852e+03	1.02	y	y	0.7137
142	6	PCB-177	44:31	2.859e+03	2.827e+03	1.01	y	n	0.7028
143	6	PCB-181	44:56	3.035e+03	2.839e+03	1.07	y	n	0.7260
144	6	PCB-171/173	45:09	5.461e+03	5.403e+03	1.01	y	n	0.6714
145	6	PCB-172	46:47	2.746e+03	2.766e+03	0.99	y	n	0.6812
146	6	PCB-192	47:04	3.347e+03	3.306e+03	1.01	y	n	0.82[illegible]
147	6	PCB-180/193	47:25	6.664e+03	6.421e+03	1.04	y	n	0.80[illegible]
148	6	PCB-191	47:48	3.696e+03	3.559e+03	1.04	y	n	0.896[illegible]
149	6	PCB-170	48:42	2.647e+03	2.622e+03	1.01	y	n	0.6512
150	6	PCB-190	49:14	3.488e+03	3.533e+03	0.99	y	y	0.8678
151	6	PCB-189	NotFnd	*	*	*	n	n	0.8632
152	6	PCB-202	NotFnd	*	*	*	n	n	0.8634
153	6	PCB-201	45:34	6.032e+03	6.980e+03	0.86	y	n	1.3590
154	6	PCB-204	46:14	5.967e+03	6.837e+03	0.87	y	n	1.3375
155	6	PCB-197	46:29	5.586e+03	6.661e+03	0.84	y	n	1.2792
156	6	PCB-200	46:35	6.222e+03	6.871e+03	0.91	y	n	1.3676
157	6	PCB-198/199	49:22	7.867e+03	9.146e+03	0.86	y	n	0.8885
158	6	PCB-196	50:03	4.127e+03	4.877e+03	0.85	y	n	0.9406
159	6	PCB-203	50:14	4.344e+03	4.883e+03	0.89	y	n	0.9638
160	6	PCB-195	51:36	3.617e+03	4.120e+03	0.88	y	n	0.8081
161	6	PCB-194	53:55	3.769e+03	4.376e+03	0.86	y	n	0.8508
162	6	PCB-205	NotFnd	*	*	*	n	n	0.8885
163	6	PCB-208	NotFnd	*	*	*	n	n	0.88[illegible]
164	6	PCB-207	52:14	4.263e+03	5.420e+03	0.79	y	n	1.34[illegible]

165	7	PCB-206	NotFnd	*	*	*	n	n	0.9310
166	7	PCB-209	NotFnd	*	*	*	n	n	0.8938
167	1	PCB-1L	13:21	1.965e+04	6.360e+03	3.09	y	n	1.2197
168	1	PCB-3L	15:38	1.956e+04	6.195e+03	3.16	y	n	1.1732
169	1	PCB-4L	15:53	1.176e+04	7.511e+03	1.57	y	n	0.8031
170	2	PCB-15L	21:56	1.245e+04	7.982e+03	1.56	y	n	0.9620
171	2	PCB-19L	19:04	7.777e+03	7.463e+03	1.04	y	n	0.6361
172	3	PCB-37L	29:03	1.019e+04	9.794e+03	1.04	y	n	1.1440
173	2	PCB-54L	22:13	7.512e+03	9.339e+03	0.80	y	n	1.1399
174	4	PCB-81L	35:51	7.562e+03	9.575e+03	0.79	y	n	0.9468
175	4	PCB-77L	36:25	7.653e+03	9.978e+03	0.77	y	n	0.9489
176	3	PCB-104L	27:47	1.176e+04	7.386e+03	1.59	y	n	1.3960
177	5	PCB-123L	38:25	9.780e+03	6.290e+03	1.55	y	n	1.0293
178	5	PCB-118L	38:45	1.026e+04	6.620e+03	1.55	y	n	1.0766
179	5	PCB-114L	39:17	1.016e+04	6.453e+03	1.58	y	n	1.0747
180	5	PCB-105L	39:55	9.558e+03	5.958e+03	1.60	y	n	1.0133
181	5	PCB-126L	43:01	4.178e+03	2.652e+03	1.58	y	n	0.8978
182	4	PCB-155L	33:30	1.310e+04	1.050e+04	1.25	y	n	1.6371
183	6	PCB-167L	44:52	6.453e+03	5.113e+03	1.26	y	n	0.8820
184	6	PCB-156/157L	46:02	1.227e+04	9.600e+03	1.28	y	n	0.8178
185	6	PCB-169L	49:17	5.713e+03	4.541e+03	1.26	y	n	0.7164
186	5	PCB-188L	39:15	1.087e+04	1.020e+04	1.07	y	n	2.3576
187	6	PCB-189L	51:48	5.701e+03	5.597e+03	1.02	y	n	1.3072
188	6	PCB-202L	44:37	7.159e+03	7.967e+03	0.90	y	n	1.8043
189	6	PCB-205L	54:22	4.892e+03	5.513e+03	0.89	y	n	1.3631
190	6	PCB-208L	51:17	4.835e+03	6.205e+03	0.78	y	n	1.3370
191	7	PCB-206L	56:05	3.529e+03	4.606e+03	0.77	y	n	0.9978
192	7	PCB-209L	57:40	5.114e+03	4.169e+03	1.23	y	n	1.5625
193	3	PCB-28L	NotFnd	*	*	*	n	n	1.3869
194	4	PCB-111L	NotFnd	*	*	*	n	n	1.2384
195	5	PCB-178L	NotFnd	*	*	*	n	n	0.9527
196	2	PCB-9L	NotFnd	*	*	*	n	n	-
197	3	PCB-52L	NotFnd	*	*	*	n	n	-
198	4	PCB-101L	NotFnd	*	*	*	n	n	-
199	5	PCB-138L	NotFnd	*	*	*	n	n	-
200	6	PCB-194L	NotFnd	*	*	*	n	n	-

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
PCB-209 CAL

Run #8 Filename U142173#1 Samp: 1 Inj: 1 Acquired: 26-NOV-11 05:29:30

Processed: 28-NOV-11 13:57:12 LAB. ID: B4-25-1

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	*	1.40e+03	*	*	1.56e+03	*
2	PCB-2	1.30e+06	1.40e+03	9.3e+02	4.21e+05	1.56e+03	2.7e+02
3	PCB-3	*	1.40e+03	*	*	1.56e+03	*
4	PCB-4	*	1.41e+03	*	*	1.03e+04	*
5	PCB-10	1.35e+06	1.41e+03	9.5e+02	8.65e+05	1.03e+04	8.4e+01
6	PCB-9	9.11e+05	1.54e+03	5.9e+02	5.88e+05	1.38e+04	4.3e+01
7	PCB-7	8.85e+05	1.54e+03	5.7e+02	5.71e+05	1.38e+04	4.1e+01
8	PCB-6	8.50e+05	1.54e+03	5.5e+02	5.66e+05	1.38e+04	4.1e+01
9	PCB-5	7.94e+05	1.54e+03	5.2e+02	4.84e+05	1.38e+04	3.5e+01
10	PCB-8	9.16e+05	1.54e+03	6.0e+02	5.85e+05	1.38e+04	4.2e+01
11	PCB-14	8.62e+05	1.54e+03	5.6e+02	5.60e+05	1.38e+04	4.1e+01
12	PCB-11	8.03e+05	1.54e+03	5.2e+02	4.84e+05	1.38e+04	3.5e+01
13	PCB-12/13	1.09e+06	1.54e+03	7.1e+02	6.83e+05	1.38e+04	4.9e+01
14	PCB-15	*	1.54e+03	*	*	1.38e+04	*
15	PCB-19	*	9.44e+02	*	*	7.16e+02	*
16	PCB-18/30	1.17e+06	9.44e+02	1.2e+03	1.11e+06	7.16e+02	1.5e+03
17	PCB-17	5.36e+05	9.44e+02	5.7e+02	5.22e+05	7.16e+02	7.3e+02
18	PCB-27	7.47e+05	9.44e+02	7.9e+02	7.21e+05	7.16e+02	1.0e+03
19	PCB-24	6.97e+05	9.44e+02	7.4e+02	6.96e+05	7.16e+02	9.7e+02
20	PCB-16	4.43e+05	9.44e+02	4.7e+02	4.32e+05	7.16e+02	6.0e+02
21	PCB-32	7.63e+05	9.44e+02	8.1e+02	7.71e+05	7.16e+02	1.1e+03
22	PCB-34	6.80e+05	7.97e+03	8.5e+01	6.44e+05	6.42e+03	1.0e+02
23	PCB-23	6.48e+05	7.97e+03	8.1e+01	6.08e+05	6.42e+03	9.5e+01
24	PCB-26/29	1.16e+06	7.97e+03	1.5e+02	1.10e+06	6.42e+03	1.7e+02
25	PCB-25	6.66e+05	7.97e+03	8.4e+01	6.66e+05	6.42e+03	1.0e+02
26	PCB-31	7.25e+05	7.97e+03	9.1e+01	6.82e+05	6.42e+03	1.1e+02
27	PCB-20/28	1.11e+06	7.97e+03	1.4e+02	1.09e+06	6.42e+03	1.7e+02
28	PCB-21/33	7.77e+05	7.97e+03	9.7e+01	7.10e+05	6.42e+03	1.1e+02
29	PCB-22	6.01e+05	7.97e+03	7.5e+01	5.92e+05	6.42e+03	9.2e+01
30	PCB-36	6.30e+05	7.97e+03	7.9e+01	6.14e+05	6.42e+03	9.6e+01
31	PCB-39	6.76e+05	7.97e+03	8.5e+01	6.50e+05	6.42e+03	1.0e+02
32	PCB-38	6.49e+05	7.97e+03	8.1e+01	6.14e+05	6.42e+03	9.6e+01
33	PCB-35	6.06e+05	7.97e+03	7.6e+01	5.51e+05	6.42e+03	8.6e+01
34	PCB-37	*	7.97e+03	*	*	6.42e+03	*
35	PCB-54	*	9.04e+02	*	*	1.04e+03	*
36	PCB-50/53	1.49e+06	1.50e+03	1.0e+03	1.95e+06	1.55e+03	1.3e+03
37	PCB-45/51	9.06e+05	1.50e+03	6.1e+02	1.14e+06	1.55e+03	7.3e+02
38	PCB-46	7.03e+05	1.50e+03	4.7e+02	9.30e+05	1.55e+03	6.0e+02
39	PCB-52	9.47e+05	1.50e+03	6.3e+02	1.24e+06	1.55e+03	8.0e+02
40	PCB-43/73	1.09e+06	1.50e+03	7.3e+02	1.45e+06	1.55e+03	9.3e+02
41	PCB-49/69	1.36e+06	1.50e+03	9.1e+02	1.76e+06	1.55e+03	1.1e+03
42	PCB-48	8.49e+05	1.50e+03	5.7e+02	1.10e+06	1.55e+03	7.1e+02
43	PCB-44/47/65	2.35e+06	1.50e+03	1.6e+03	3.01e+06	1.55e+03	1.9e+03
44	PCB-59/62/75	2.33e+06	1.50e+03	1.6e+03	2.98e+06	1.55e+03	1.9e+03
45	PCB-42	8.07e+05	1.50e+03	5.4e+02	1.06e+06	1.55e+03	6.8e+02
46	PCB-40/41/71	1.67e+06	1.50e+03	1.1e+03	2.16e+06	1.55e+03	1.4e+03
47	PCB-64	1.16e+06	1.50e+03	7.7e+02	1.51e+06	1.55e+03	9.7e+02

Run #8 Filename U142173#1 Samp: 1 Acquired: 26-NOV-11 05:29:30

48	PCB-72	1.22e+06	1.50e+03	8.1e+02	1.53e+06	1.55e+03	9.8e+02
49	PCB-68	1.07e+06	1.50e+03	7.2e+02	1.46e+06	1.55e+03	9.4e+02
50	PCB-57	1.08e+06	1.50e+03	7.2e+02	1.41e+06	1.55e+03	9.1e+02
51	PCB-58	1.02e+06	1.50e+03	6.8e+02	1.33e+06	1.55e+03	8.6e+02
52	PCB-67	1.09e+06	1.50e+03	7.3e+02	1.36e+06	1.55e+03	8.7e+02
53	PCB-63	1.10e+06	1.50e+03	7.3e+02	1.39e+06	1.55e+03	8.9e+02
54	PCB-61/70/74/76	2.17e+06	1.50e+03	1.5e+03	2.81e+06	1.55e+03	1.8e+03
55	PCB-66	1.10e+06	1.50e+03	7.3e+02	1.46e+06	1.55e+03	9.4e+02
56	PCB-55	9.36e+05	1.50e+03	6.3e+02	1.23e+06	1.55e+03	7.9e+02
57	PCB-56	8.79e+05	8.69e+03	1.0e+02	1.13e+06	1.60e+04	7.1e+01
58	PCB-60	8.83e+05	8.69e+03	1.0e+02	1.12e+06	1.60e+04	7.0e+01
59	PCB-80	9.96e+05	8.69e+03	1.1e+02	1.36e+06	1.60e+04	8.5e+01
60	PCB-79	1.01e+06	8.69e+03	1.2e+02	1.27e+06	1.60e+04	8.0e+01
61	PCB-78	9.02e+05	8.69e+03	1.0e+02	1.13e+06	1.60e+04	7.1e+01
62	PCB-81	*	8.69e+03	*	*	1.60e+04	*
63	PCB-77	*	8.69e+03	*	*	1.60e+04	*
64	PCB-104	*	1.60e+03	*	*	2.21e+03	*
65	PCB-96	1.35e+06	1.60e+03	8.4e+02	8.80e+05	2.21e+03	4.0e+02
66	PCB-103	1.16e+06	1.60e+03	7.3e+02	7.61e+05	2.21e+03	3.4e+02
67	PCB-94	9.51e+05	1.60e+03	5.9e+02	6.09e+05	2.21e+03	2.8e+02
68	PCB-95	1.06e+06	1.60e+03	6.6e+02	6.54e+05	2.21e+03	3.0e+02
69	PCB-93/100	1.96e+06	1.60e+03	1.2e+03	1.18e+06	2.21e+03	5.3e+02
70	PCB-98/102	1.22e+06	1.60e+03	7.6e+02	7.63e+05	2.21e+03	3.4e+02
71	PCB-88/91	1.06e+06	1.60e+03	6.7e+02	6.35e+05	2.21e+03	2.9e+02
72	PCB-84	8.84e+05	1.60e+03	5.5e+02	5.59e+05	2.21e+03	2.5e+02
73	PCB-89	9.13e+05	1.60e+03	5.7e+02	5.87e+05	2.21e+03	2.7e+02
74	PCB-121	1.36e+06	6.40e+03	2.1e+02	8.60e+05	9.16e+03	9.4e+01
75	PCB-92	1.07e+06	6.40e+03	1.7e+02	6.92e+05	9.16e+03	7.6e+01
76	PCB-90/101/113	2.48e+06	6.40e+03	3.9e+02	1.60e+06	9.16e+03	1.7e+02
77	PCB-83/99	1.19e+06	6.40e+03	1.9e+02	7.92e+05	9.16e+03	8.6e+01
78	PCB-112	1.35e+06	6.40e+03	2.1e+02	8.66e+05	9.16e+03	9.5e+01
79	CB-86/87/97/109/119/125	4.21e+06	6.40e+03	6.6e+02	2.73e+06	9.16e+03	3.0e+02
80	PCB-117	1.41e+06	6.40e+03	2.2e+02	9.17e+05	9.16e+03	1.0e+02
81	PCB-85/116	2.29e+06	6.40e+03	3.6e+02	1.48e+06	9.16e+03	1.6e+02
82	PCB-110/115	1.49e+06	6.40e+03	2.3e+02	9.35e+05	9.16e+03	1.0e+02
83	PCB-82	8.90e+05	6.40e+03	1.4e+02	5.66e+05	9.16e+03	6.2e+01
84	PCB-111	1.33e+06	6.40e+03	2.1e+02	8.46e+05	9.16e+03	9.2e+01
85	PCB-120	1.47e+06	6.40e+03	2.3e+02	9.48e+05	9.16e+03	1.0e+02
86	PCB-108/124	2.15e+06	3.14e+04	6.8e+01	1.36e+06	3.33e+04	4.1e+01
87	PCB-107	1.08e+06	3.14e+04	3.4e+01	6.78e+05	3.33e+04	2.0e+01
88	PCB-123	*	3.14e+04	*	*	3.33e+04	*
89	PCB-106	1.11e+06	3.14e+04	3.5e+01	6.83e+05	3.33e+04	2.1e+01
90	PCB-118	*	3.14e+04	*	*	3.33e+04	*
91	PCB-122	1.06e+06	3.14e+04	3.4e+01	6.76e+05	3.33e+04	2.0e+01
92	PCB-114	*	3.14e+04	*	*	3.33e+04	*
93	PCB-105	*	3.14e+04	*	*	3.33e+04	*
94	PCB-127	1.01e+06	3.14e+04	3.2e+01	6.39e+05	3.33e+04	1.9e+01
95	PCB-126	*	3.14e+04	*	*	3.33e+04	*
96	PCB-155	*	2.69e+03	*	*	2.10e+03	*
97	PCB-152	1.39e+06	2.69e+03	5.2e+02	1.12e+06	2.10e+03	5.3e+02
98	PCB-150	1.34e+06	2.69e+03	5.0e+02	1.10e+06	2.10e+03	5.2e+02
99	PCB-136	1.35e+06	2.69e+03	5.0e+02	1.06e+06	2.10e+03	5.1e+02
100	PCB-145	1.21e+06	2.69e+03	4.5e+02	1.01e+06	2.10e+03	4.8e+02
101	PCB-148	9.89e+05	2.69e+03	3.7e+02	7.94e+05	2.10e+03	3.8e+02
102	PCB-135/151	1.22e+06	2.69e+03	4.5e+02	9.55e+05	2.10e+03	4.5e+02
103	PCB-154	1.10e+06	2.69e+03	4.1e+02	9.03e+05	2.10e+03	4.3e+02
104	PCB-144	1.03e+06	2.69e+03	3.8e+02	8.10e+05	2.10e+03	3.9e+02

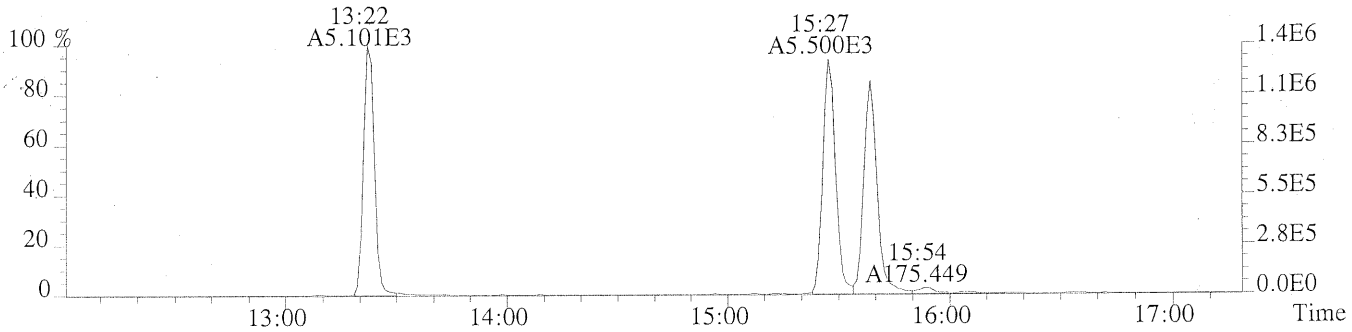
Run #8 Filename U142173#1 Samp: 1 Acquired: 26-NOV-11 05:29:30

PCB-147/149	1.80e+06	4.04e+03	4.4e+02	1.42e+06	4.63e+03	3.1e+02
PCB-134	7.70e+05	4.04e+03	1.9e+02	6.15e+05	4.63e+03	1.3e+02
PCB-143	8.55e+05	4.04e+03	2.1e+02	7.52e+05	4.63e+03	1.6e+02
PCB-139/140	1.63e+06	4.04e+03	4.0e+02	1.32e+06	4.63e+03	2.8e+02
PCB-131	7.73e+05	4.04e+03	1.9e+02	6.30e+05	4.63e+03	1.4e+02
PCB-142	8.09e+05	4.04e+03	2.0e+02	6.48e+05	4.63e+03	1.4e+02
PCB-132	7.57e+05	4.04e+03	1.9e+02	6.15e+05	4.63e+03	1.3e+02
PCB-133	8.45e+05	4.04e+03	2.1e+02	7.06e+05	4.63e+03	1.5e+02
PCB-165	9.96e+05	4.04e+03	2.5e+02	7.96e+05	4.63e+03	1.7e+02
PCB-146	9.15e+05	4.04e+03	2.3e+02	7.41e+05	4.63e+03	1.6e+02
PCB-161	1.13e+06	4.04e+03	2.8e+02	9.22e+05	4.63e+03	2.0e+02
PCB-153/168	1.66e+06	4.04e+03	4.1e+02	1.36e+06	4.63e+03	2.9e+02
PCB-141	8.20e+05	4.04e+03	2.0e+02	6.55e+05	4.63e+03	1.4e+02
PCB-130	7.35e+05	4.04e+03	1.8e+02	6.15e+05	4.63e+03	1.3e+02
PCB-137	7.73e+05	4.04e+03	1.9e+02	6.32e+05	4.63e+03	1.4e+02
PCB-164	1.04e+06	4.04e+03	2.6e+02	8.23e+05	4.63e+03	1.8e+02
PCB-129/138/163	2.00e+06	4.04e+03	5.0e+02	1.64e+06	4.63e+03	3.6e+02
PCB-160	9.82e+05	4.04e+03	2.4e+02	8.05e+05	4.63e+03	1.7e+02
PCB-158	1.04e+06	4.04e+03	2.6e+02	8.47e+05	4.63e+03	1.8e+02
PCB-128/166	1.57e+06	4.04e+03	3.9e+02	1.28e+06	4.63e+03	2.8e+02
PCB-159	8.49e+05	2.66e+04	3.2e+01	6.71e+05	1.45e+03	4.6e+02
PCB-162	8.02e+05	2.66e+04	3.0e+01	6.57e+05	1.45e+03	4.5e+02
PCB-167	*	2.66e+04	*	*	1.45e+03	*
PCB-156/157	*	2.66e+04	*	*	1.45e+03	*
PCB-169	*	2.66e+04	*	*	1.45e+03	*
PCB-188	*	1.02e+03	*	*	1.10e+03	*
PCB-179	1.07e+06	1.02e+03	1.0e+03	1.06e+06	1.10e+03	9.6e+02
PCB-184	1.09e+06	1.02e+03	1.1e+03	1.06e+06	1.10e+03	9.6e+02
PCB-176	1.06e+06	1.02e+03	1.0e+03	1.04e+06	1.10e+03	9.4e+02
PCB-186	9.90e+05	1.02e+03	9.7e+02	9.63e+05	1.10e+03	8.7e+02
PCB-178	7.82e+05	1.02e+03	7.6e+02	7.20e+05	1.10e+03	6.5e+02
PCB-175	3.18e+05	1.02e+03	3.1e+02	3.12e+05	1.10e+03	2.8e+02
PCB-187	7.96e+05	1.02e+03	7.8e+02	7.18e+05	1.10e+03	6.5e+02
PCB-182	7.35e+05	1.02e+03	7.2e+02	7.16e+05	1.10e+03	6.5e+02
PCB-183	7.61e+05	3.00e+03	2.5e+02	7.49e+05	2.23e+03	3.4e+02
PCB-185	6.44e+05	3.00e+03	2.1e+02	6.43e+05	2.23e+03	2.9e+02
PCB-174	6.04e+05	3.00e+03	2.0e+02	5.87e+05	2.23e+03	2.6e+02
PCB-177	6.05e+05	3.00e+03	2.0e+02	5.94e+05	2.23e+03	2.7e+02
PCB-181	6.52e+05	3.00e+03	2.2e+02	6.19e+05	2.23e+03	2.8e+02
PCB-171/173	1.05e+06	3.00e+03	3.5e+02	1.03e+06	2.23e+03	4.6e+02
PCB-172	5.89e+05	3.00e+03	2.0e+02	6.02e+05	2.23e+03	2.7e+02
PCB-192	7.35e+05	3.00e+03	2.5e+02	7.17e+05	2.23e+03	3.2e+02
PCB-180/193	9.98e+05	3.00e+03	3.3e+02	9.61e+05	2.23e+03	4.3e+02
PCB-191	7.84e+05	3.00e+03	2.6e+02	7.70e+05	2.23e+03	3.5e+02
PCB-170	5.60e+05	3.00e+03	1.9e+02	5.54e+05	2.23e+03	2.5e+02
PCB-190	7.37e+05	3.00e+03	2.5e+02	7.29e+05	2.23e+03	3.3e+02
PCB-189	*	3.00e+03	*	*	2.23e+03	*
PCB-202	*	2.06e+03	*	*	1.80e+03	*
PCB-201	1.28e+06	2.06e+03	6.2e+02	1.47e+06	1.80e+03	8.1e+02
PCB-204	1.27e+06	2.06e+03	6.2e+02	1.46e+06	1.80e+03	8.1e+02
PCB-197	1.22e+06	2.06e+03	5.9e+02	1.46e+06	1.80e+03	8.1e+02
PCB-200	1.31e+06	2.06e+03	6.4e+02	1.43e+06	1.80e+03	7.9e+02
PCB-198/199	1.26e+06	2.06e+03	6.1e+02	1.47e+06	1.80e+03	8.1e+02
PCB-196	8.40e+05	2.06e+03	4.1e+02	1.00e+06	1.80e+03	5.6e+02
PCB-203	8.81e+05	2.06e+03	4.3e+02	1.00e+06	1.80e+03	5.5e+02
PCB-195	7.71e+05	2.06e+03	3.8e+02	8.62e+05	1.80e+03	4.8e+02
PCB-194	8.03e+05	2.06e+03	3.9e+02	9.18e+05	1.80e+03	5.1e+02
PCB-205	*	2.06e+03	*	*	1.80e+03	*

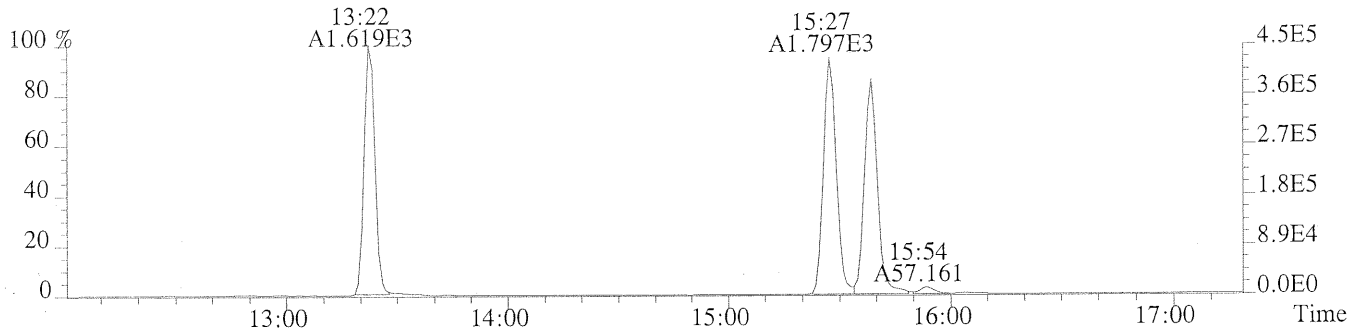
163	PCB-208	*	1.98e+03	*	*	2.26e+03	*
164	PCB-207	8.53e+05	1.98e+03	4.3e+02	1.09e+06	2.26e+03	4.8e+02
165	PCB-206	*	1.73e+03	*	*	1.80e+03	*
166	PCB-209	*	9.55e+04	*	*	8.34e+04	*
167	PCB-1L	5.14e+06	1.97e+03	2.6e+03	1.74e+06	1.61e+04	1.1e+02
168	PCB-3L	4.46e+06	1.97e+03	2.3e+03	1.44e+06	1.61e+04	9.0e+01
169	PCB-4L	2.84e+06	1.30e+03	2.2e+03	1.81e+06	1.30e+03	1.4e+03
170	PCB-15L	2.63e+06	3.60e+03	7.3e+02	1.66e+06	2.68e+03	6.2e+02
171	PCB-19L	1.88e+06	1.09e+04	1.7e+02	1.79e+06	8.44e+03	2.1e+02
172	PCB-37L	1.90e+06	1.73e+04	1.1e+02	1.82e+06	9.94e+03	1.8e+02
173	PCB-54L	1.72e+06	2.68e+03	6.4e+02	2.14e+06	1.10e+03	2.0e+03
174	PCB-81L	1.33e+06	2.05e+03	6.5e+02	1.69e+06	1.47e+03	1.1e+03
175	PCB-77L	1.34e+06	2.05e+03	6.5e+02	1.77e+06	1.47e+03	1.2e+03
176	PCB-104L	2.25e+06	8.80e+02	2.6e+03	1.41e+06	1.12e+03	1.3e+03
177	PCB-123L	1.77e+06	4.21e+03	4.2e+02	1.13e+06	3.50e+03	3.2e+02
178	PCB-118L	1.85e+06	4.21e+03	4.4e+02	1.17e+06	3.50e+03	3.4e+02
179	PCB-114L	1.80e+06	4.21e+03	4.3e+02	1.14e+06	3.50e+03	3.3e+02
180	PCB-105L	1.70e+06	4.21e+03	4.0e+02	1.05e+06	3.50e+03	3.0e+02
181	PCB-126L	6.54e+05	4.21e+03	1.6e+02	3.99e+05	3.50e+03	1.1e+02
182	PCB-155L	2.44e+06	1.50e+03	1.6e+03	1.94e+06	1.47e+03	1.3e+03
183	PCB-167L	1.35e+06	1.96e+03	6.9e+02	1.07e+06	1.68e+03	6.4e+02
184	PCB-156/157L	1.96e+06	1.96e+03	1.0e+03	1.54e+06	1.68e+03	9.2e+02
185	PCB-169L	1.16e+06	1.96e+03	5.9e+02	9.50e+05	1.68e+03	5.7e+02
186	PCB-188L	1.97e+06	1.34e+03	1.5e+03	1.85e+06	6.56e+02	2.8e+03
187	PCB-189L	1.22e+06	1.36e+03	9.0e+02	1.18e+06	1.41e+03	8.4e+02
188	PCB-202L	1.54e+06	1.43e+03	1.1e+03	1.69e+06	1.94e+03	8.7e+02
189	PCB-205L	1.01e+06	1.43e+03	7.1e+02	1.15e+06	1.94e+03	5.9e+02
190	PCB-208L	9.62e+05	1.12e+03	8.6e+02	1.24e+06	1.28e+03	9.6e+02
191	PCB-206L	6.43e+05	2.02e+03	3.2e+02	8.26e+05	2.94e+03	2.8e+02
192	PCB-209L	9.26e+05	5.38e+03	1.7e+02	7.66e+05	2.36e+04	3.2e+01
193	PCB-28L	*	1.73e+04	*	*	9.94e+03	*
194	PCB-111L	*	2.48e+03	*	*	1.63e+03	*
195	PCB-178L	*	1.34e+03	*	*	6.56e+02	*
196	PCB-9L	*	3.60e+03	*	*	2.68e+03	*
197	PCB-52L	*	2.08e+03	*	*	1.13e+03	*
198	PCB-101L	*	2.48e+03	*	*	1.63e+03	*
199	PCB-138L	*	1.24e+03	*	*	1.67e+03	*
200	PCB-194L	*	1.43e+03	*	*	1.94e+03	*

File:U142173 #1-341 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

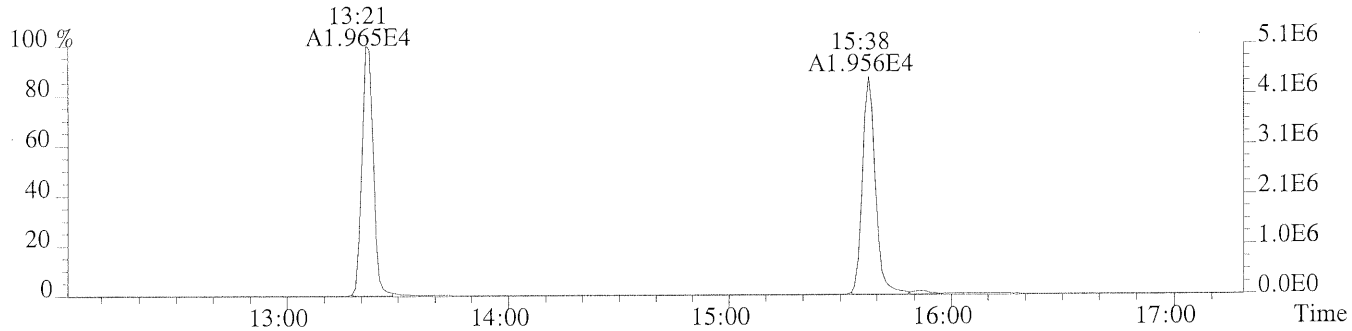
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1400.0,1.00%,F,T)



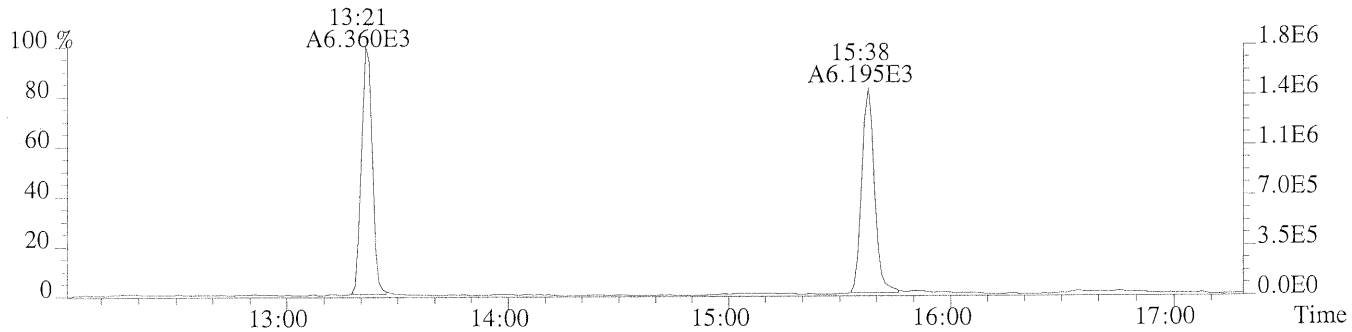
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1560.0,1.00%,F,T)



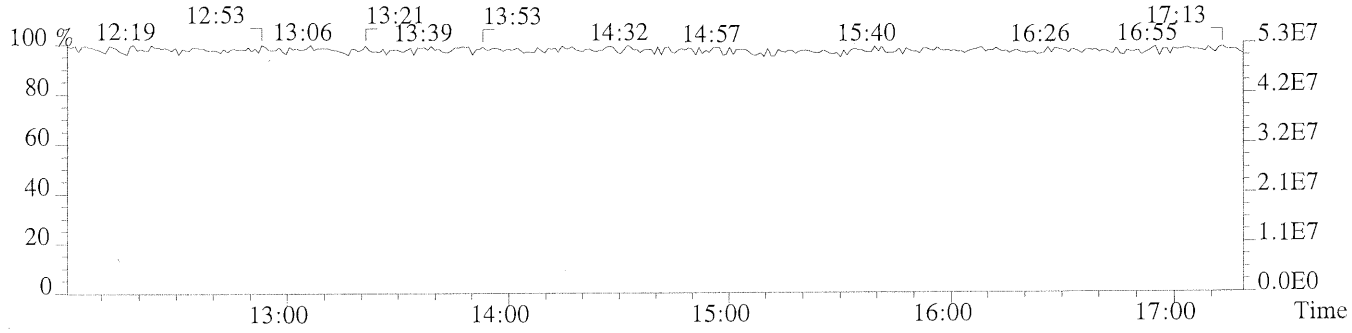
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1972.0,1.00%,F,T)



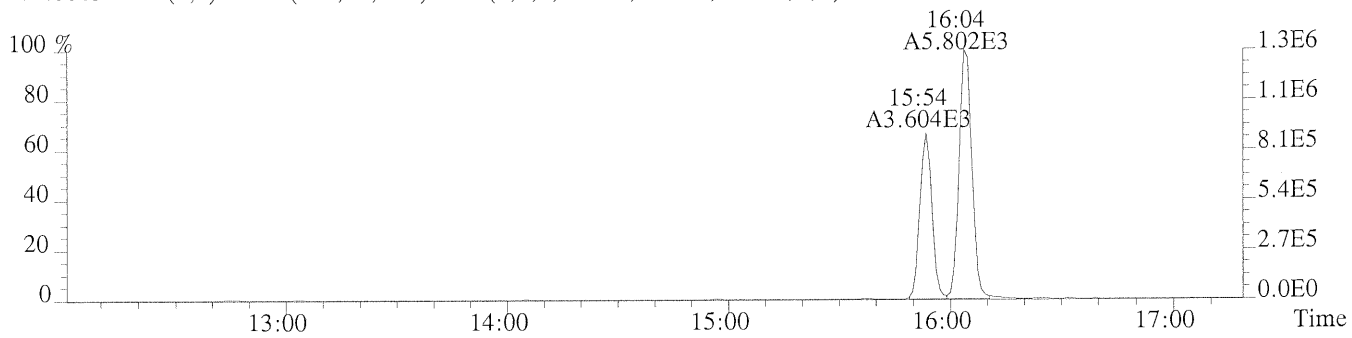
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,16076.0,1.00%,F,T)



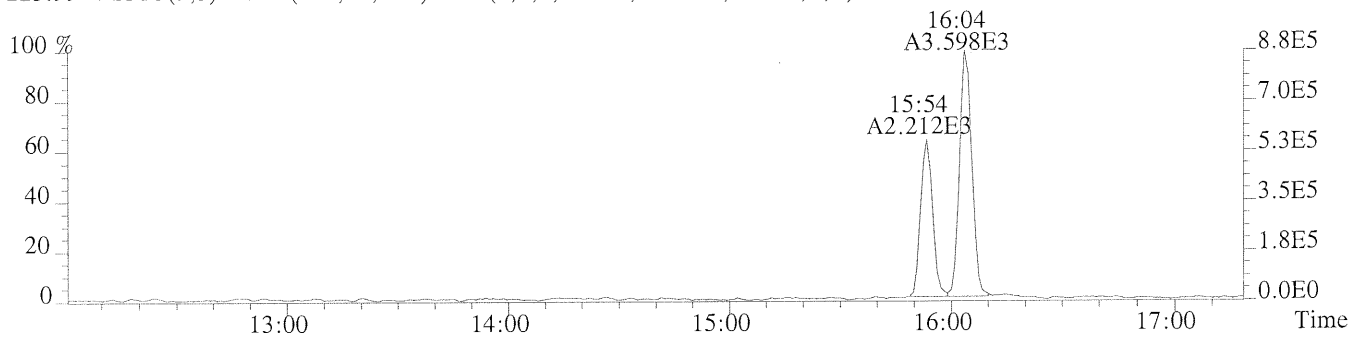
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



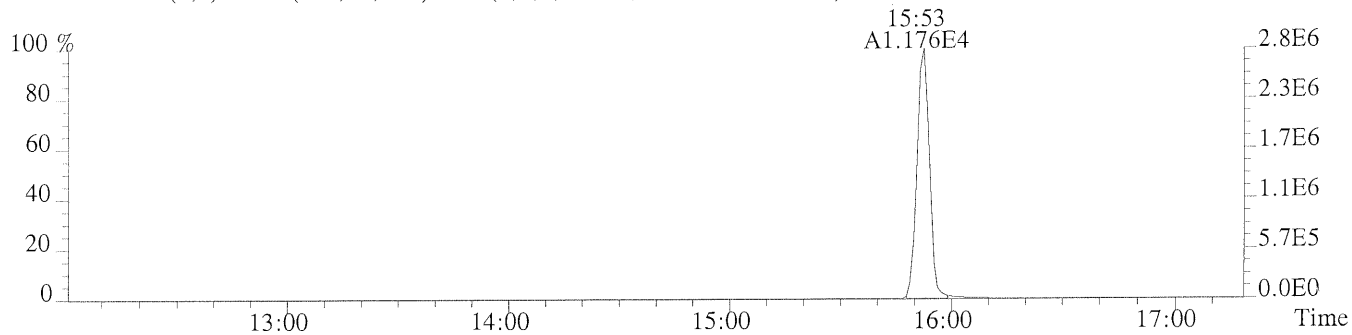
File:U142173 #1-341 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1412.0,1.00%,F,T)



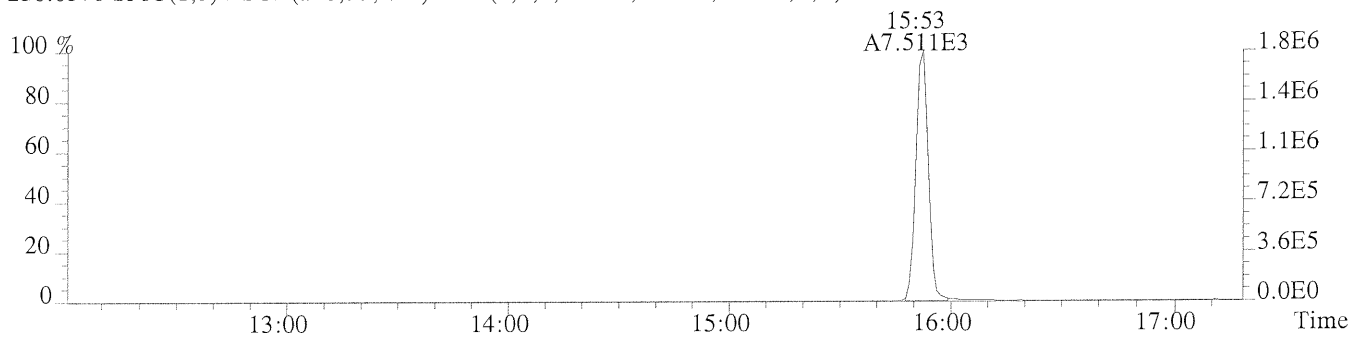
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10340.0,1.00%,F,T)



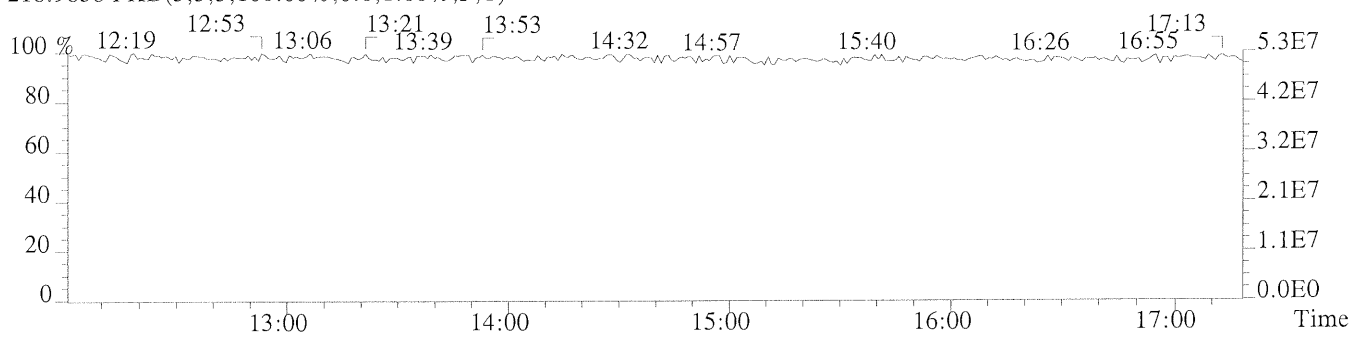
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1296.0,1.00%,F,T)



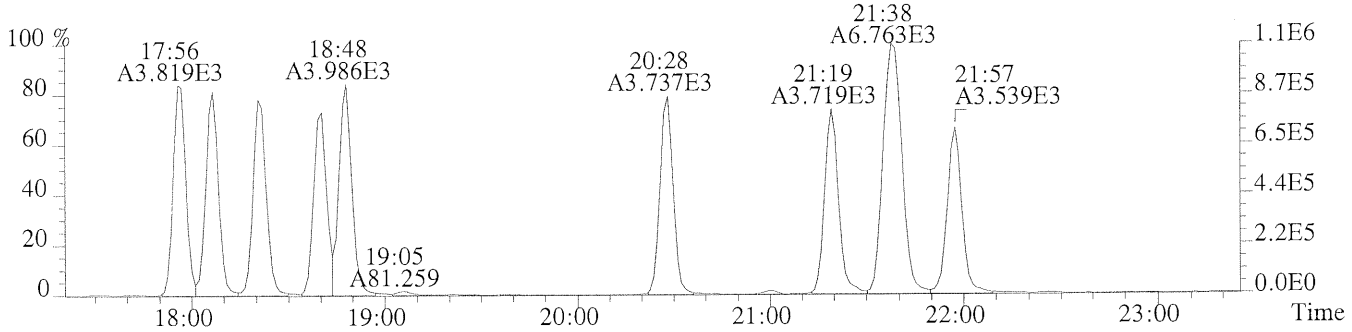
236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1304.0,1.00%,F,T)



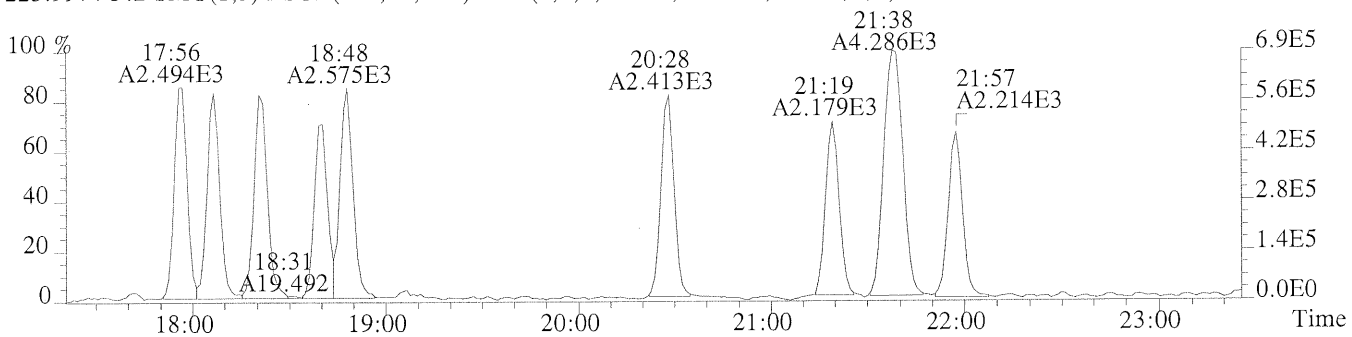
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



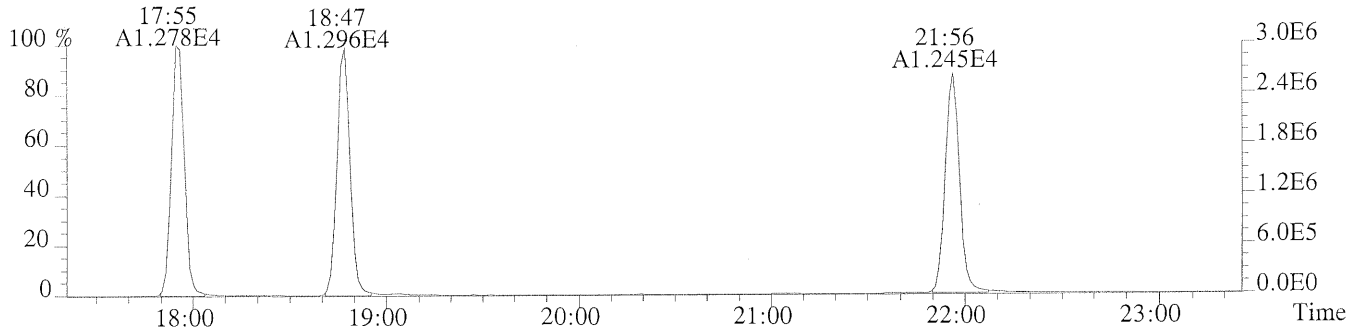
File:U142173 #1-336 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1540.0,1.00%,F,T)



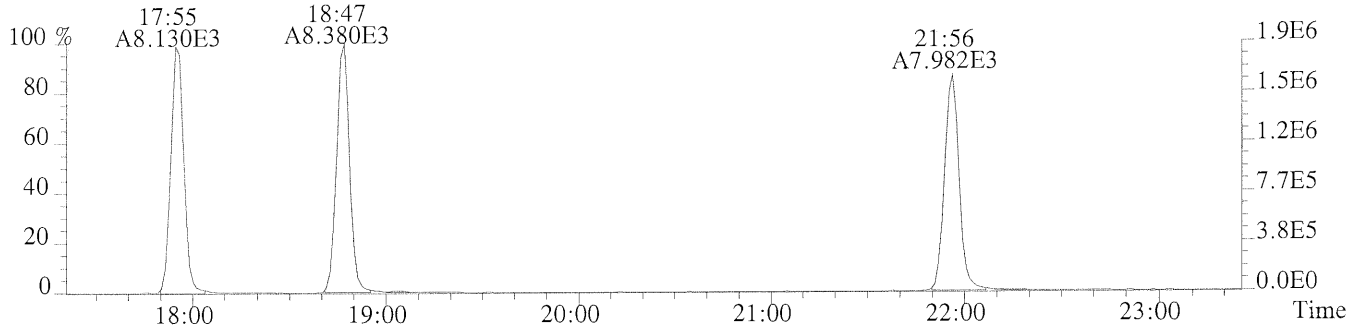
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13820.0,1.00%,F,T)



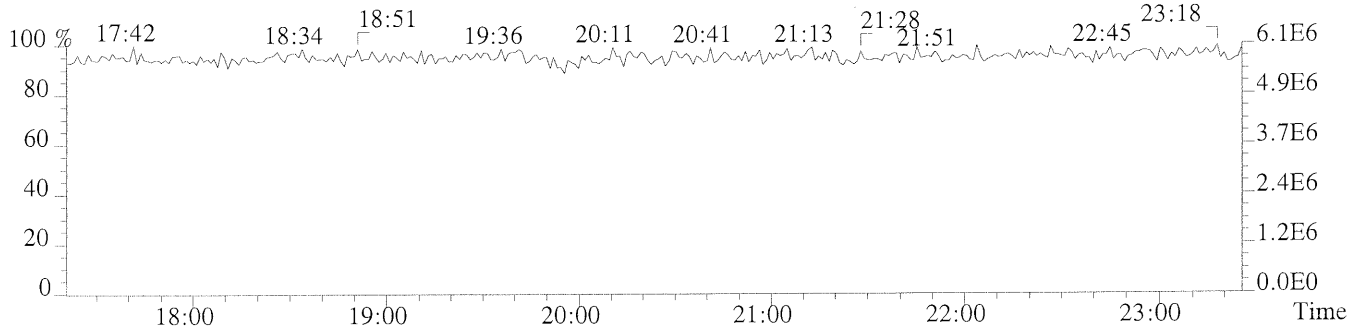
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3596.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2684.0,1.00%,F,T)

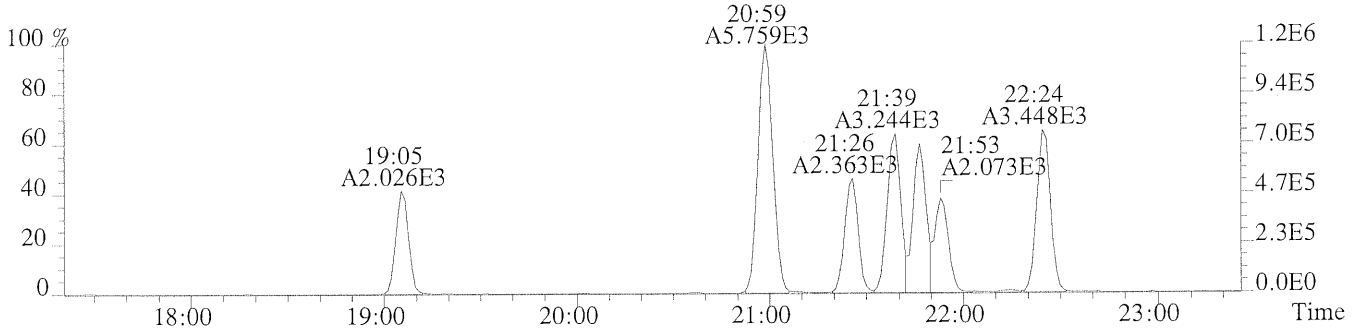


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

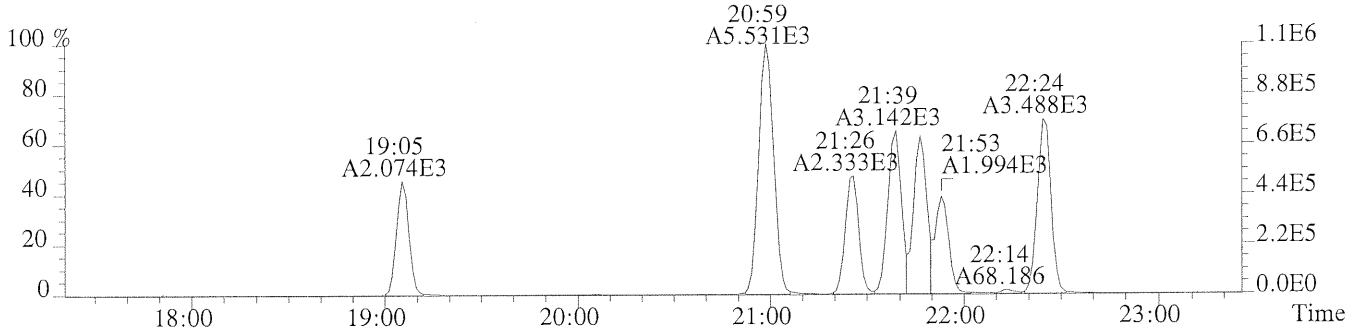


File:U142173 #1-336 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

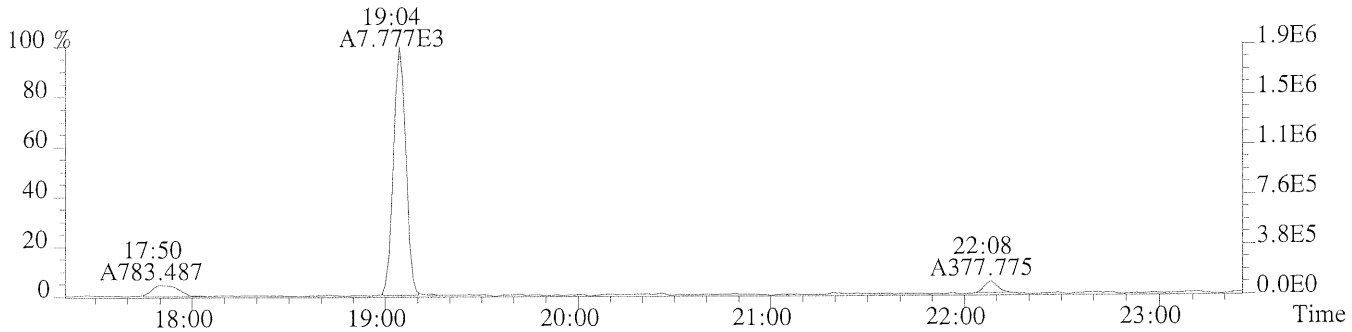
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



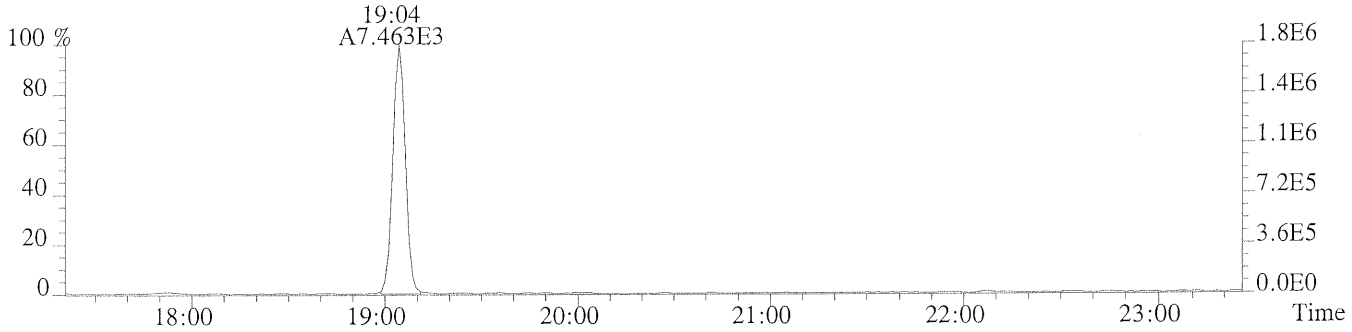
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)



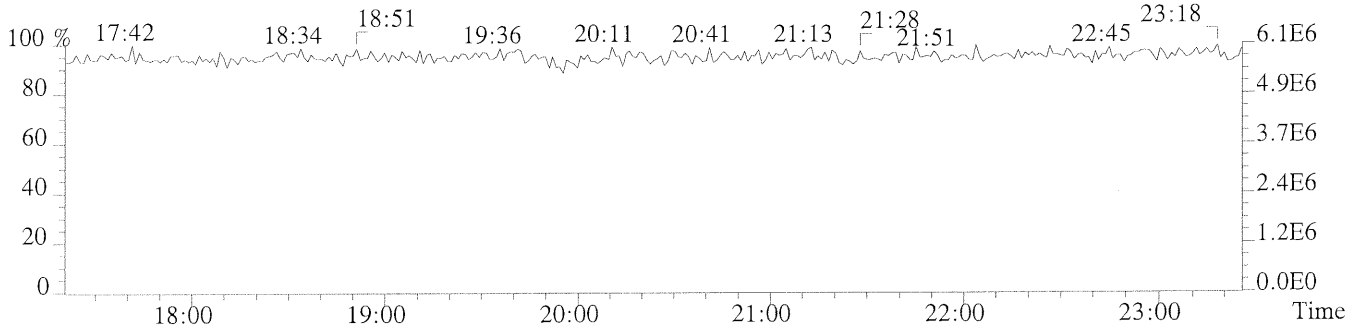
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10872.0,1.00%,F,T)



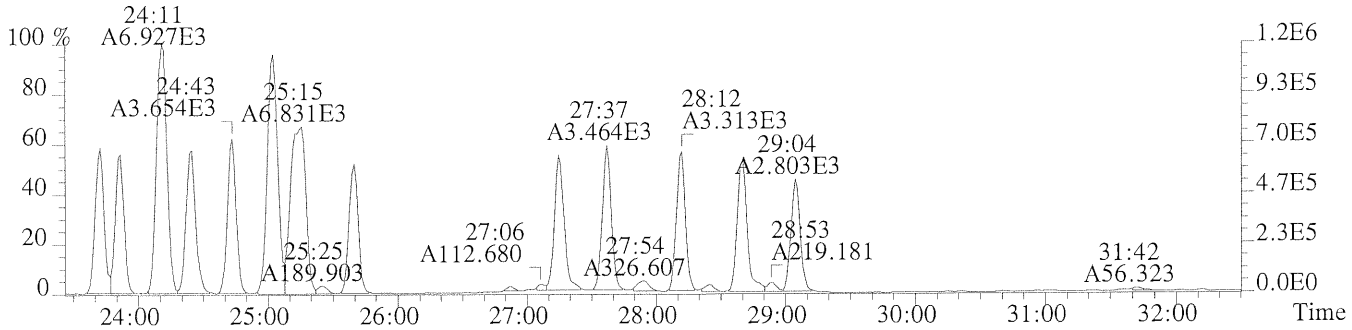
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8436.0,1.00%,F,T)



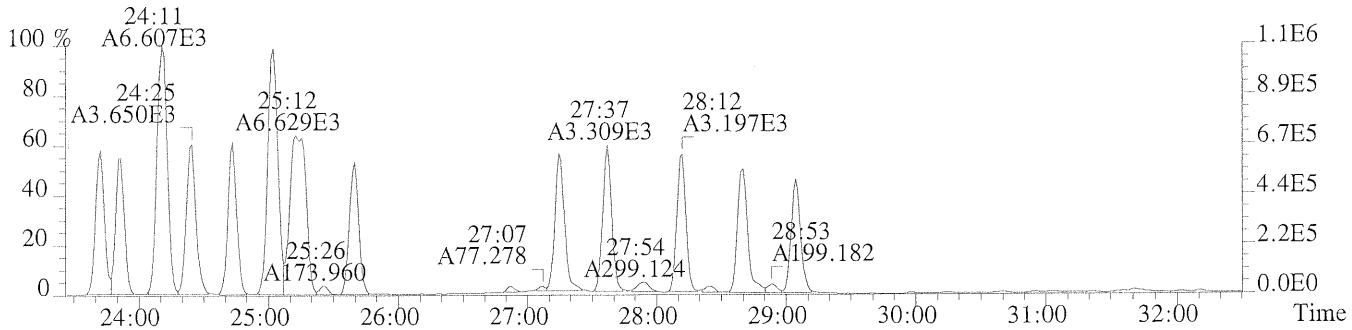
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



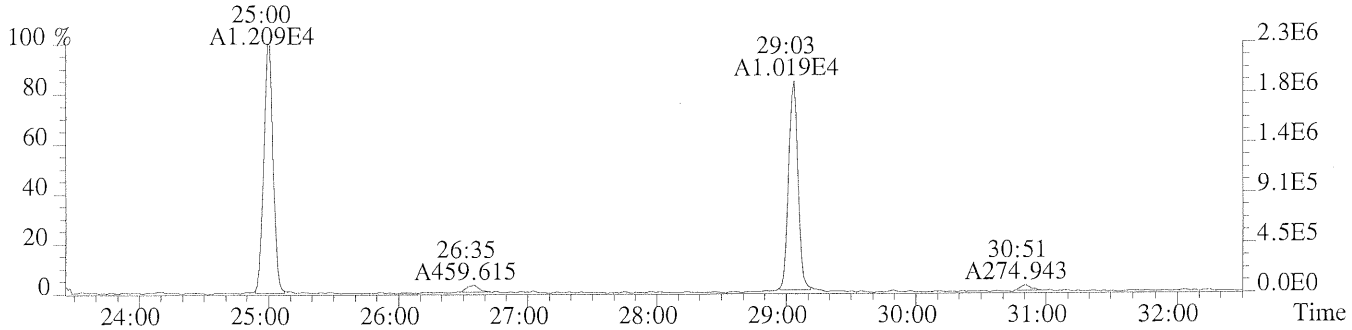
File:U142173 #1-580 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7968.0,1.00%,F,T)



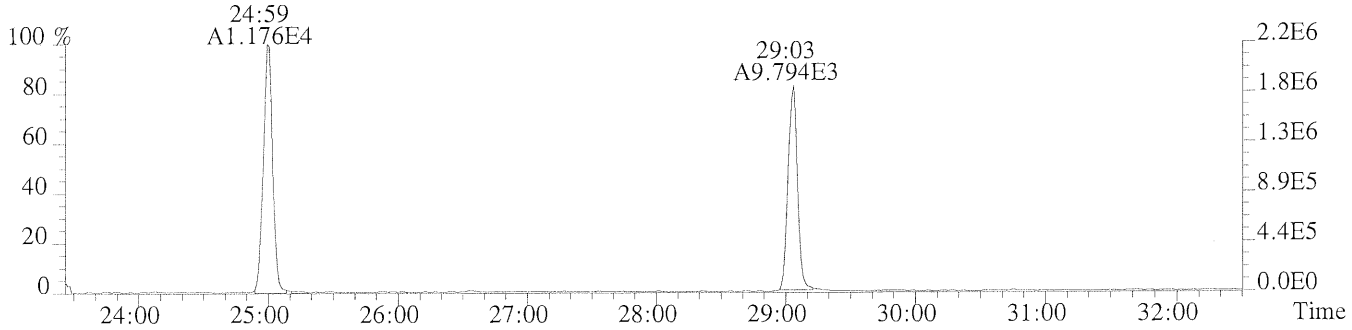
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6416.0,1.00%,F,T)



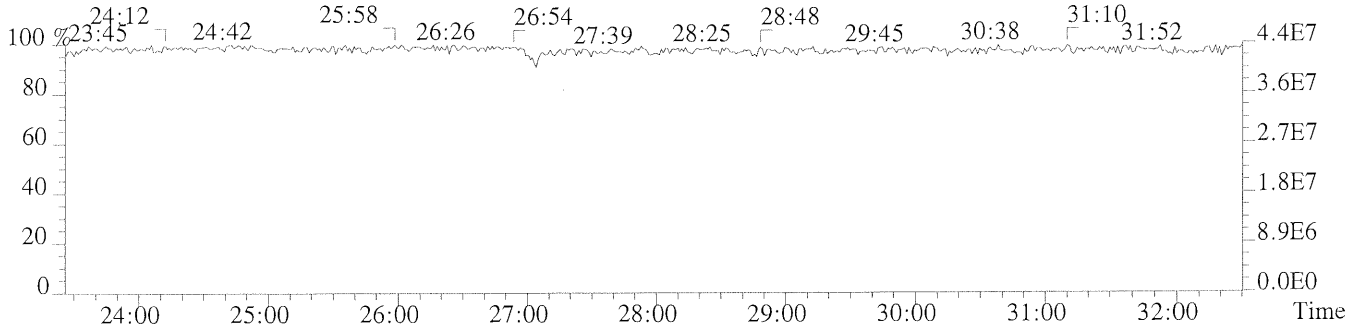
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17340.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9936.0,1.00%,F,T)

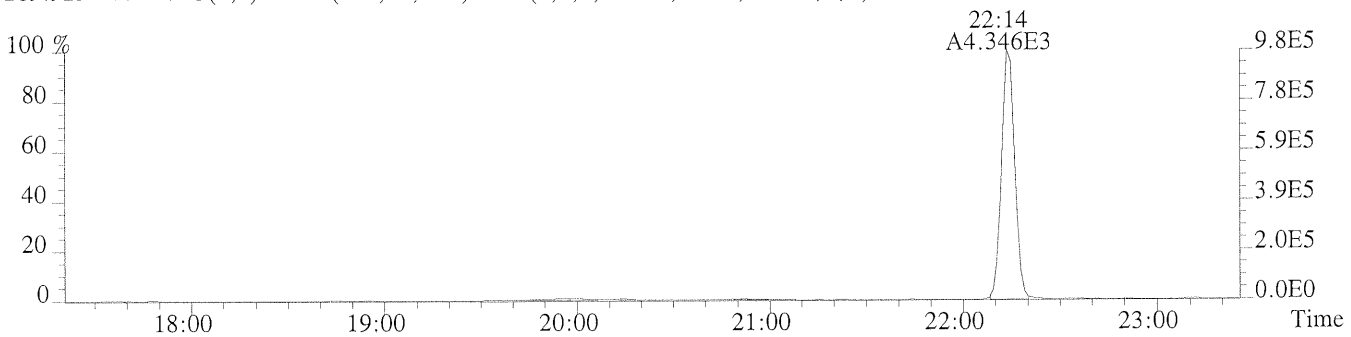


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

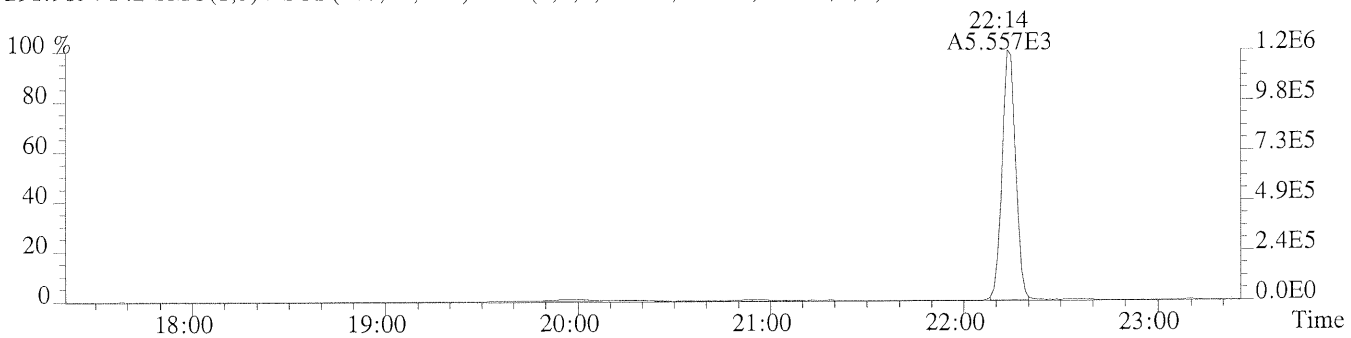


File:U142173 #1-336 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

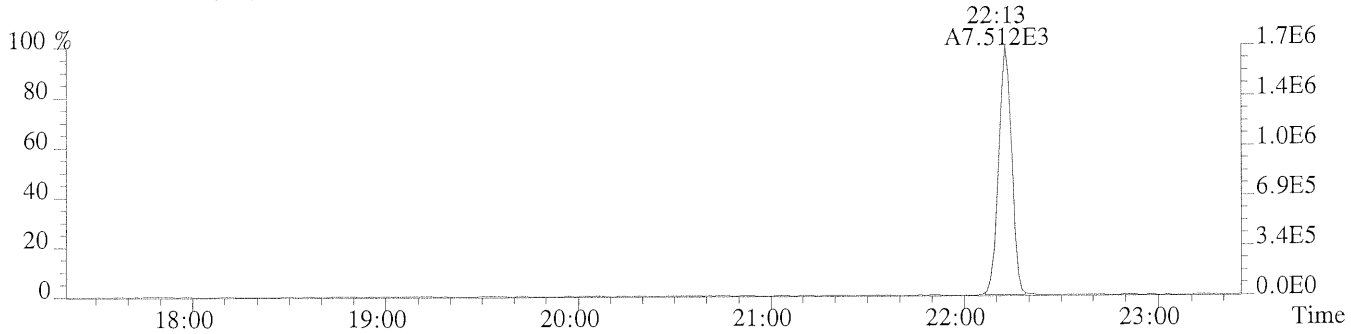
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)



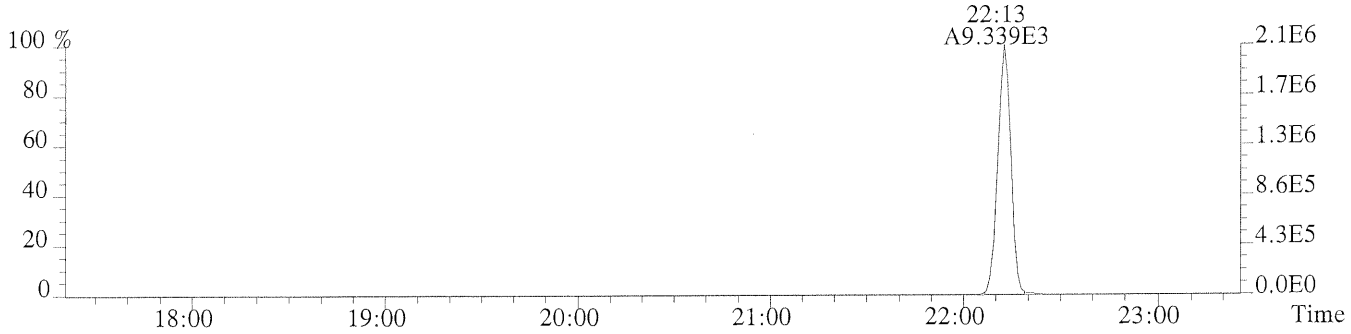
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



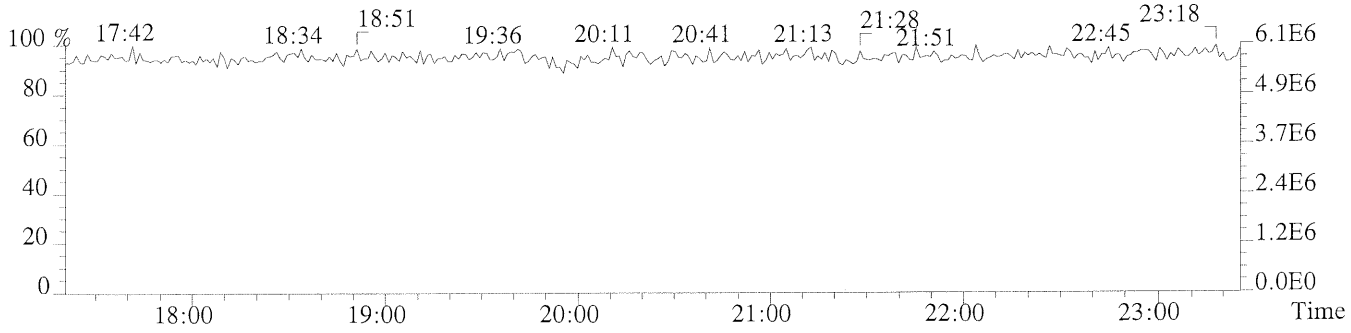
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2684.0,1.00%,F,T)



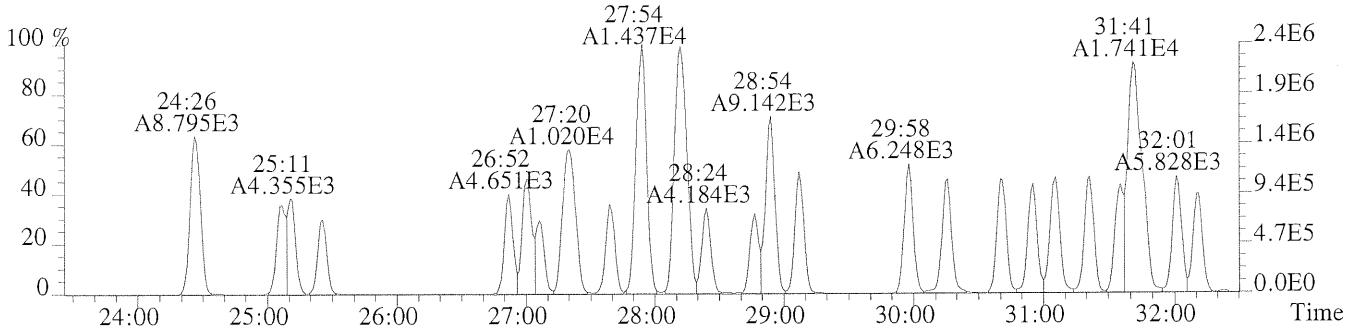
303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)



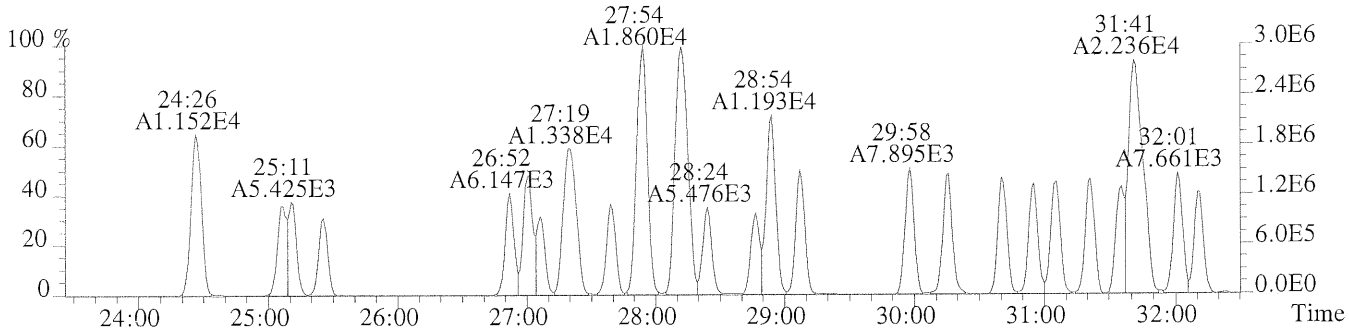
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



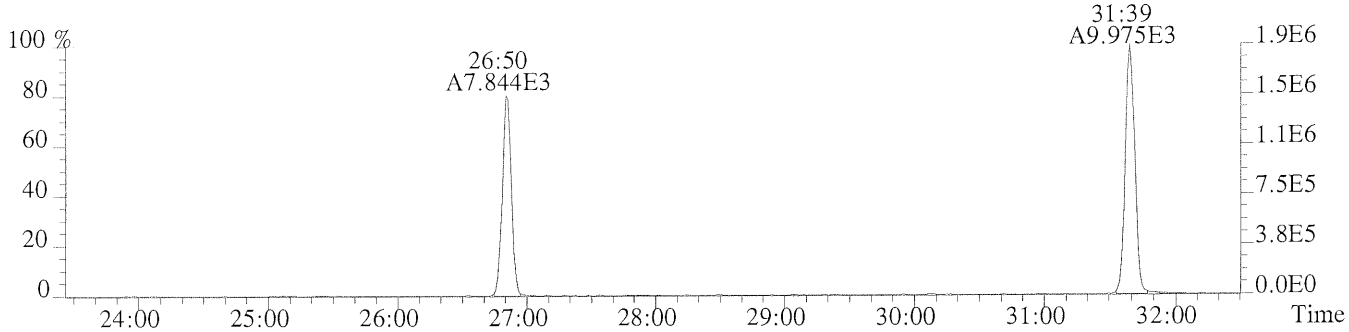
File:U142173 #1-580 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1496.0,1.00%,F,T)



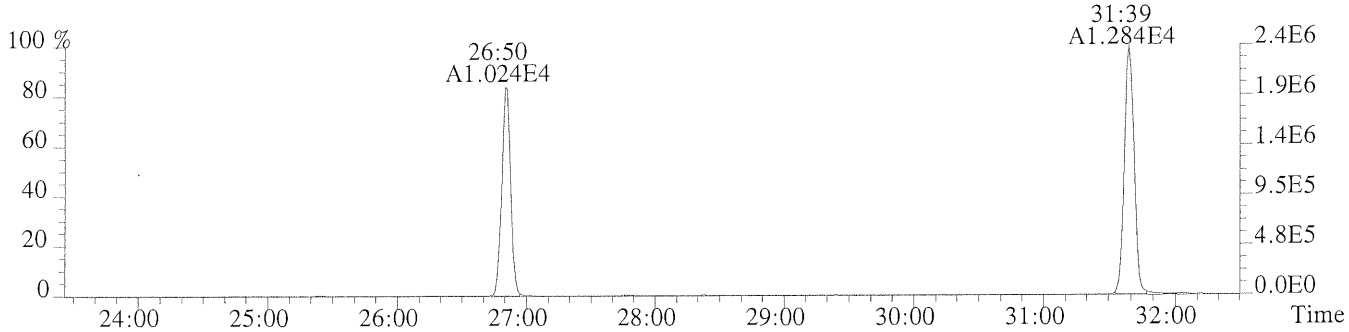
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1552.0,1.00%,F,T)



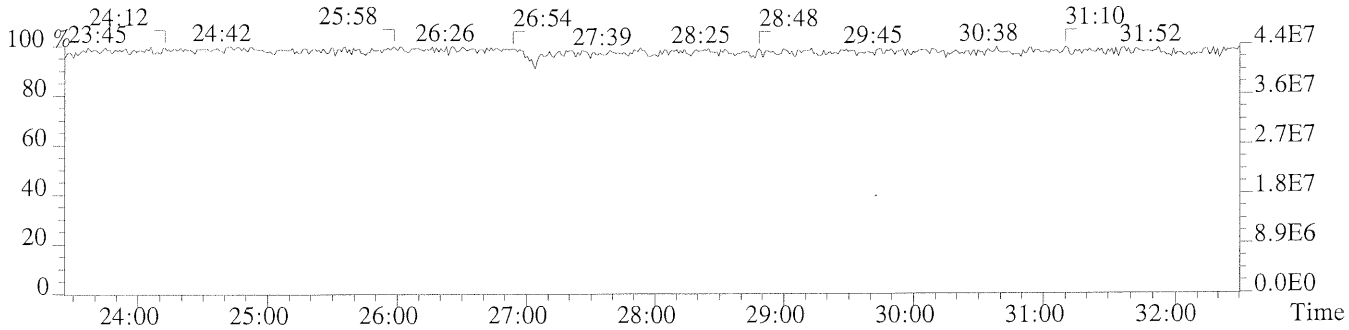
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2076.0,1.00%,F,T)



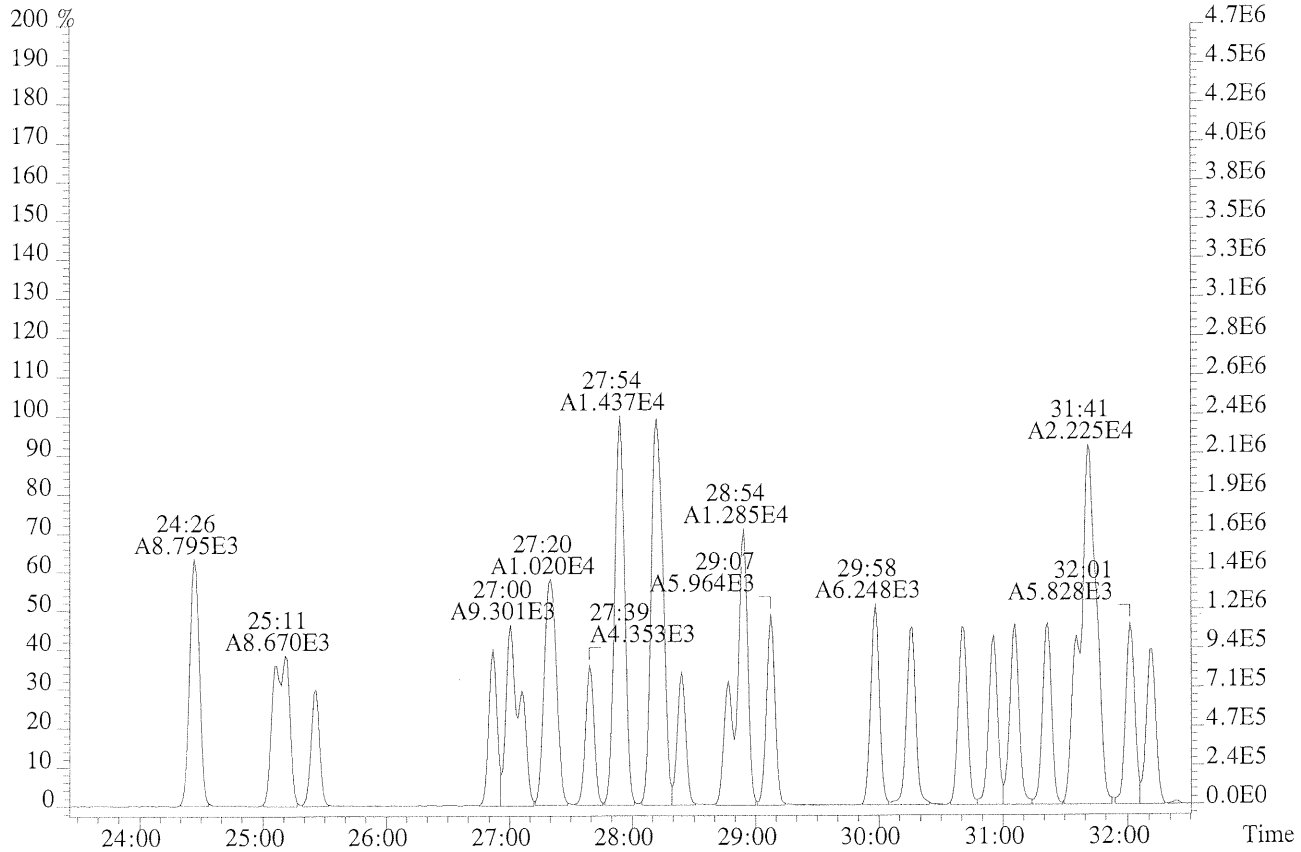
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1128.0,1.00%,F,T)



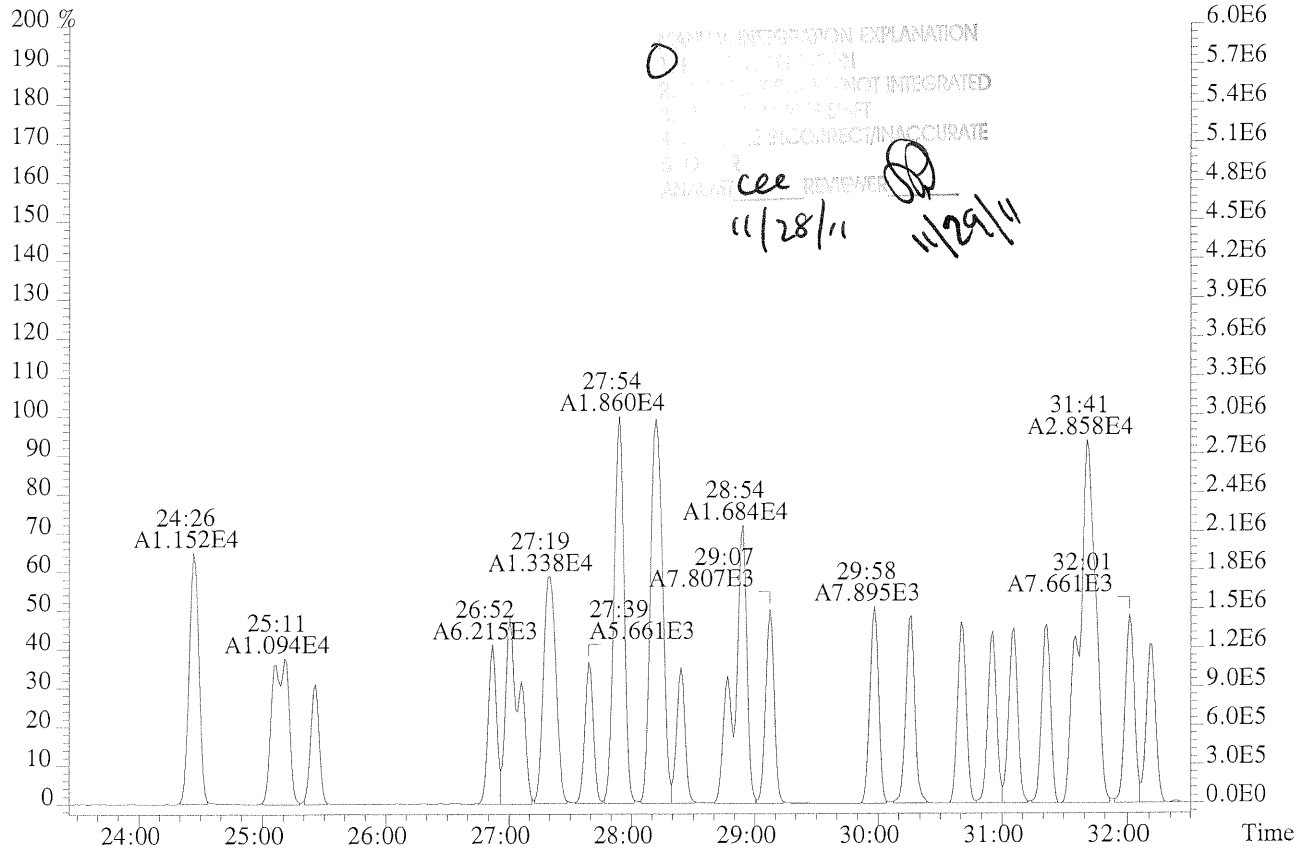
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142173 #1-580 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:PCB 209 INJECTION
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1496.0,1.00%,F,T)



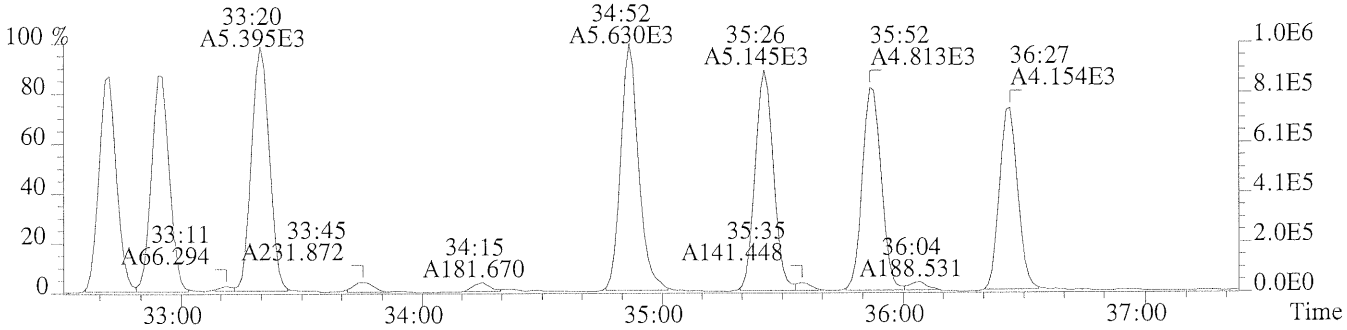
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1552.0,1.00%,F,T)



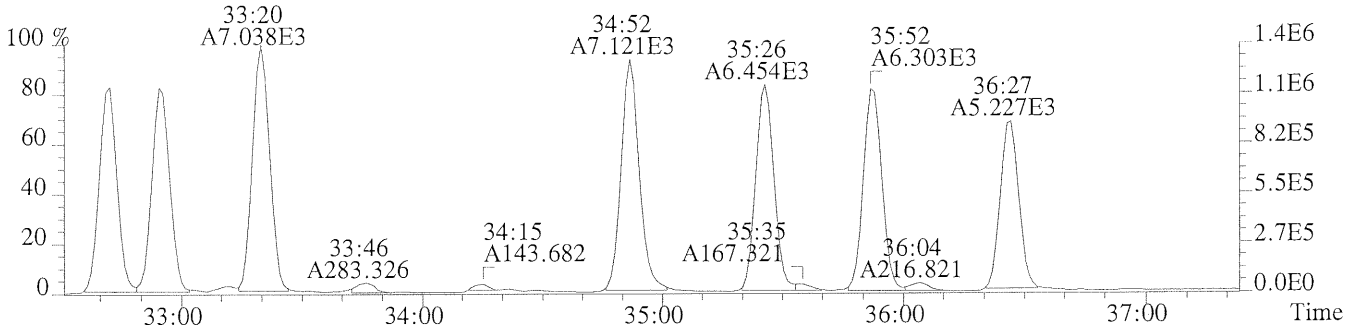
MANUAL INTEGRATION EXPLANATION
NOT INTEGRATED
INCORRECT/INACCURATE
cee 11/28/11 11/29/11

File:U142173 #1-312 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

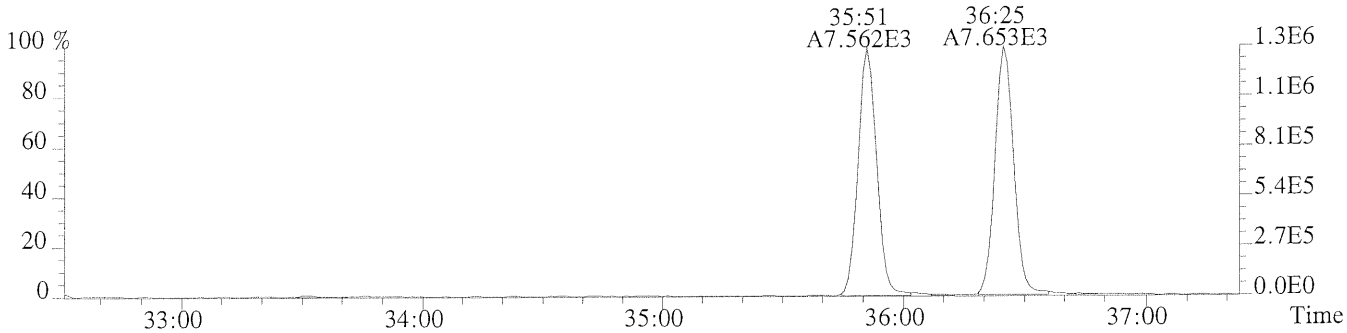
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8688.0,1.00%,F,T)



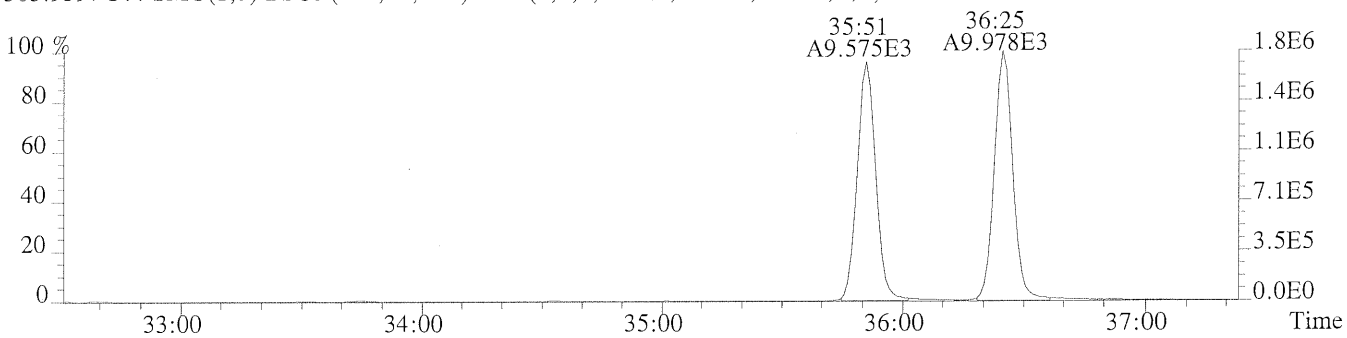
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,15952.0,1.00%,F,T)



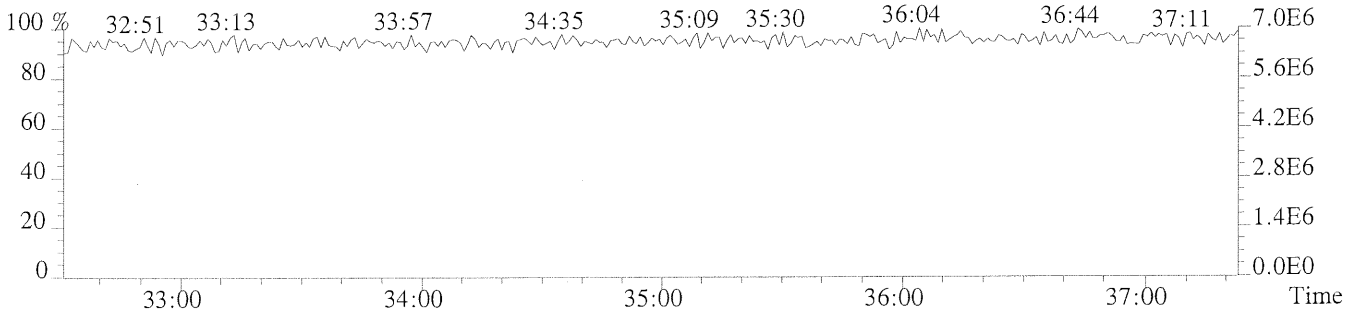
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2052.0,1.00%,F,T)



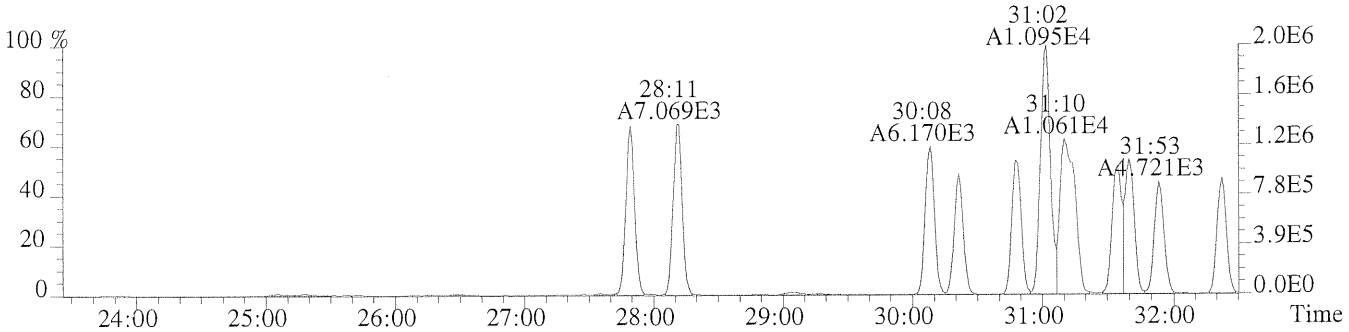
303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1472.0,1.00%,F,T)



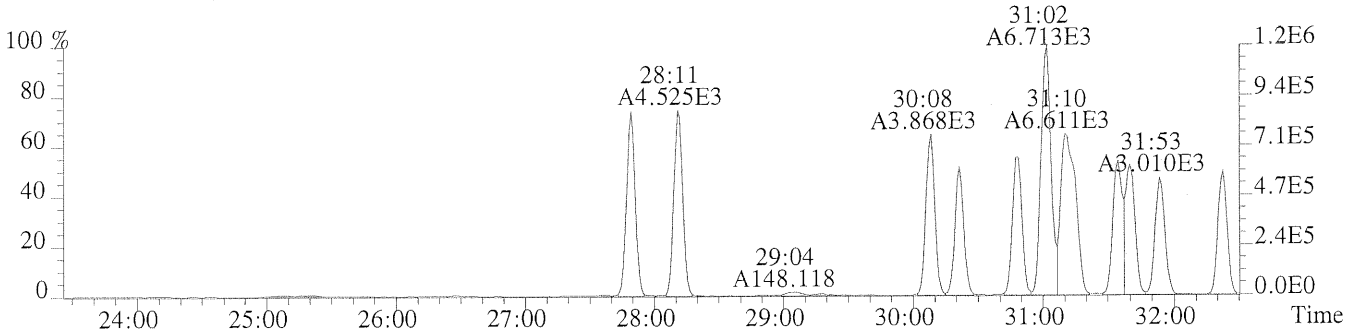
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



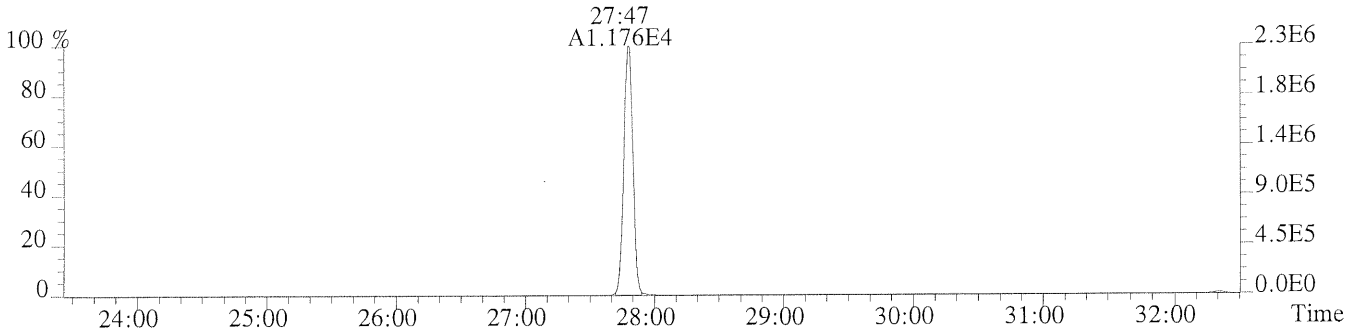
File:U142173 #1-580 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1600.0,1.00%,F,T)



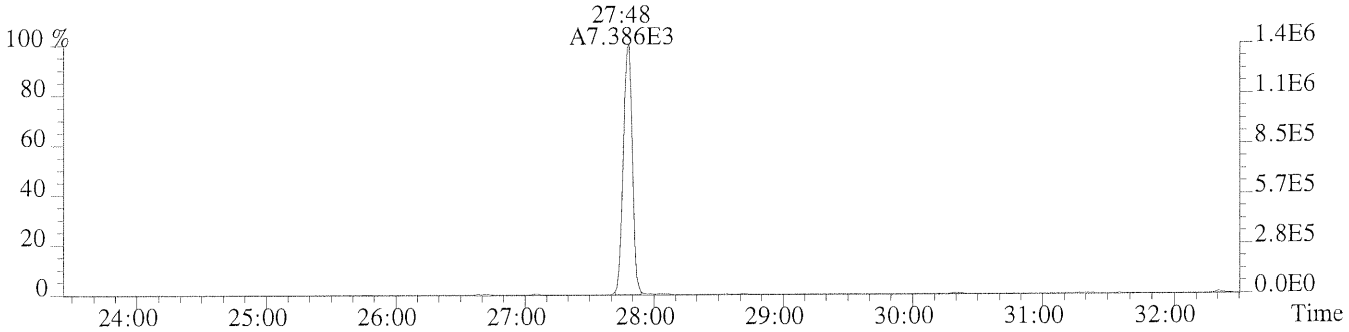
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2212.0,1.00%,F,T)



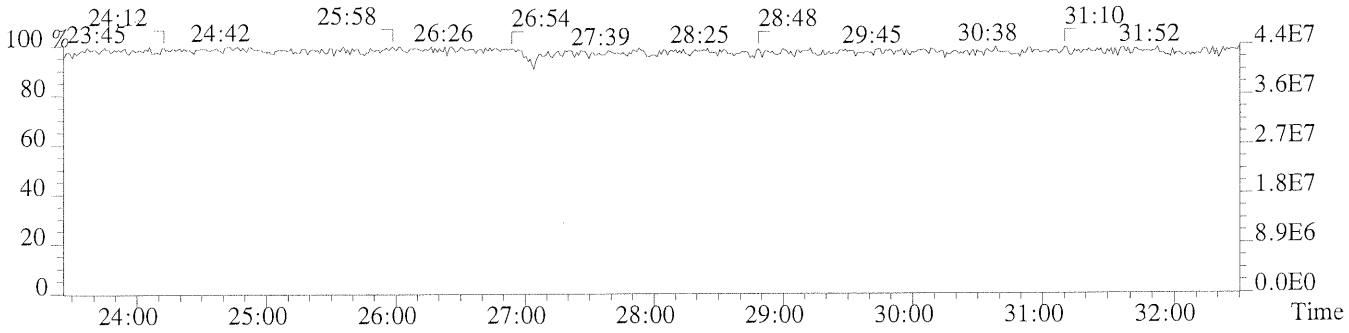
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)



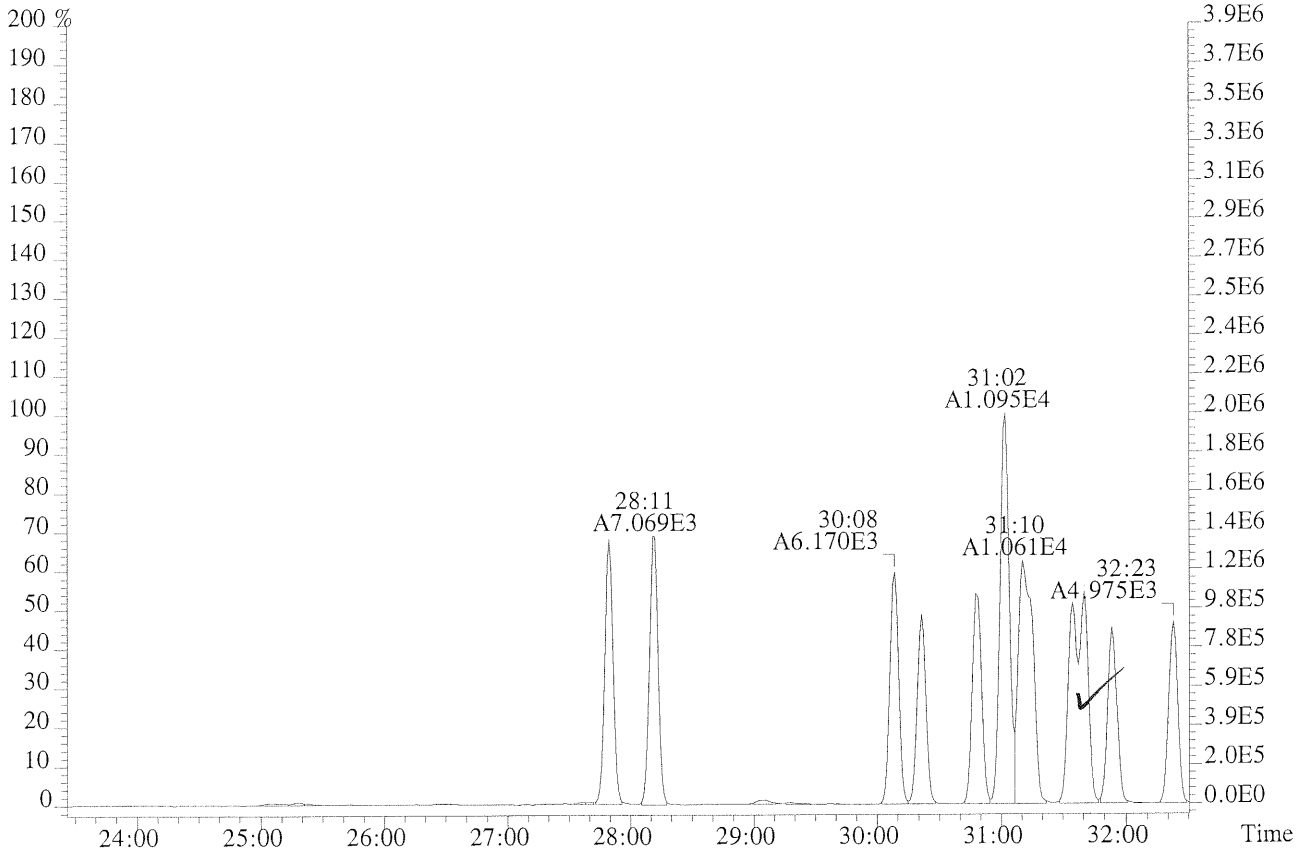
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1124.0,1.00%,F,T)



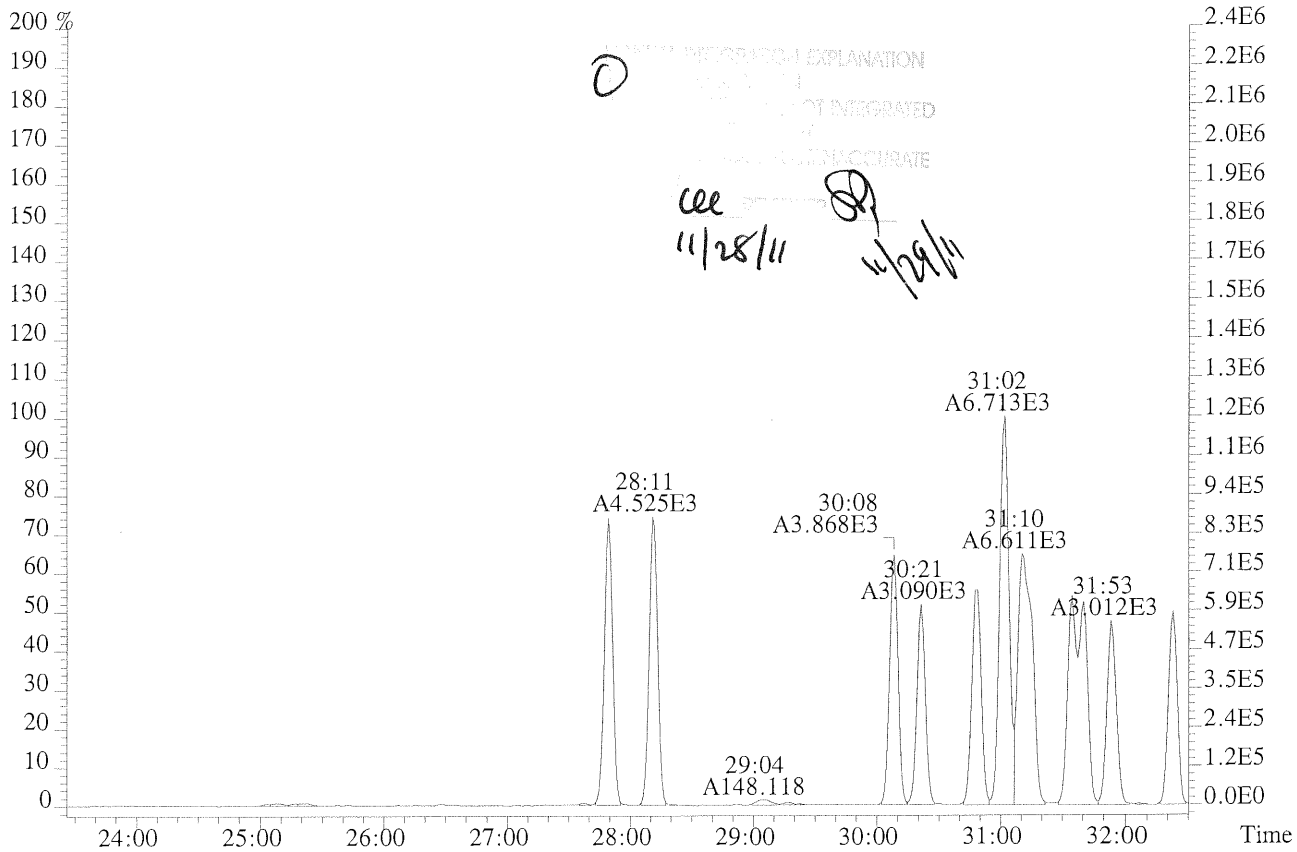
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142173 #1-580 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1600.0,1.00%,F,T)

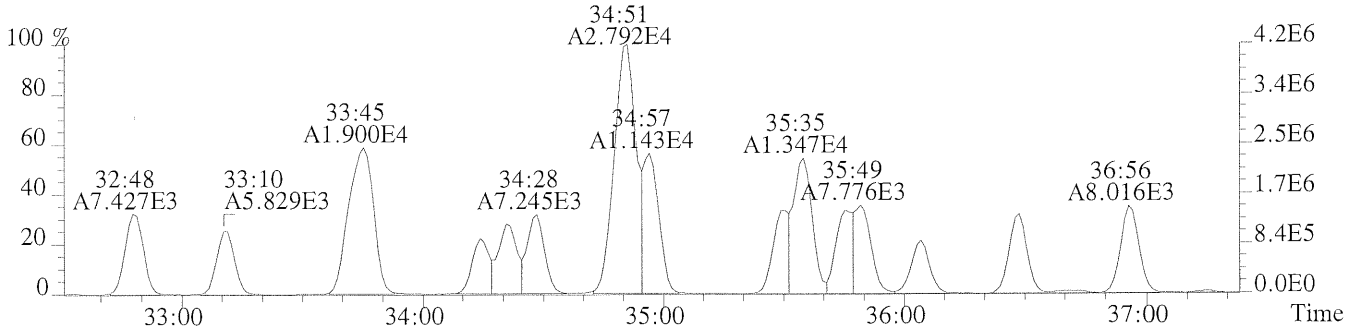


327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2212.0,1.00%,F,T)

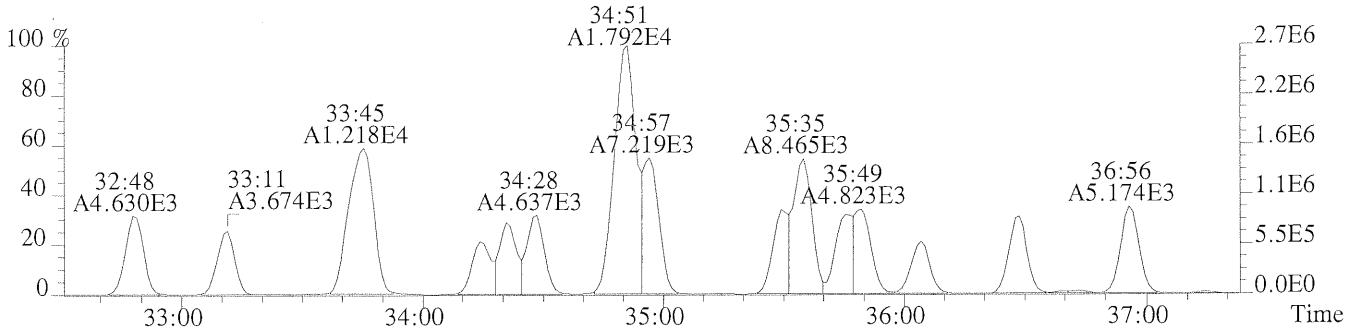


File:U142173 #1-312 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

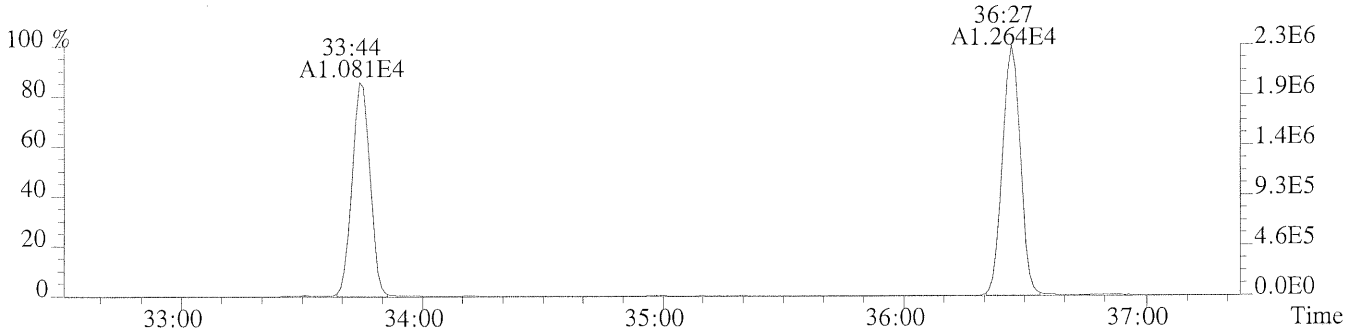
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6396.0,1.00%,F,T)



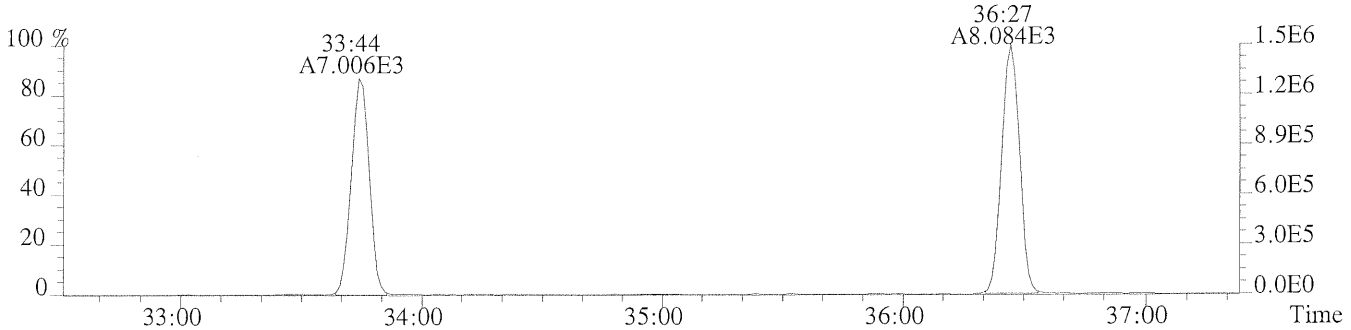
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9160.0,1.00%,F,T)



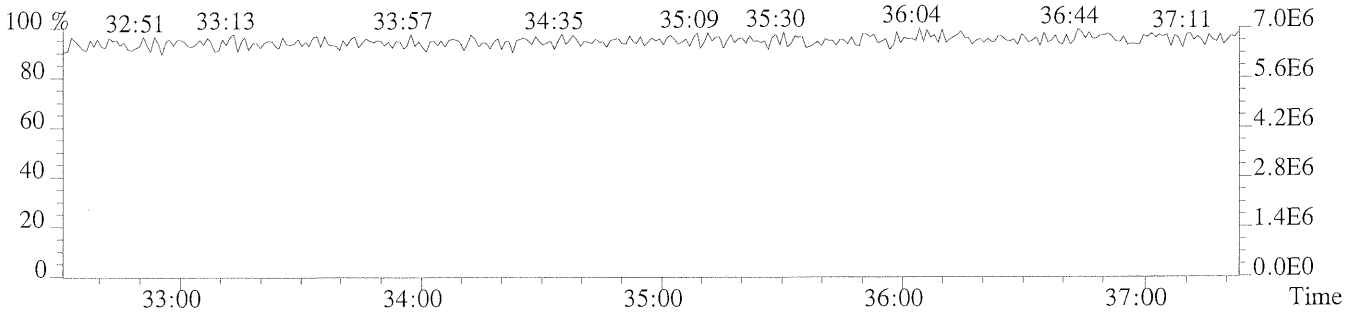
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2476.0,1.00%,F,T)



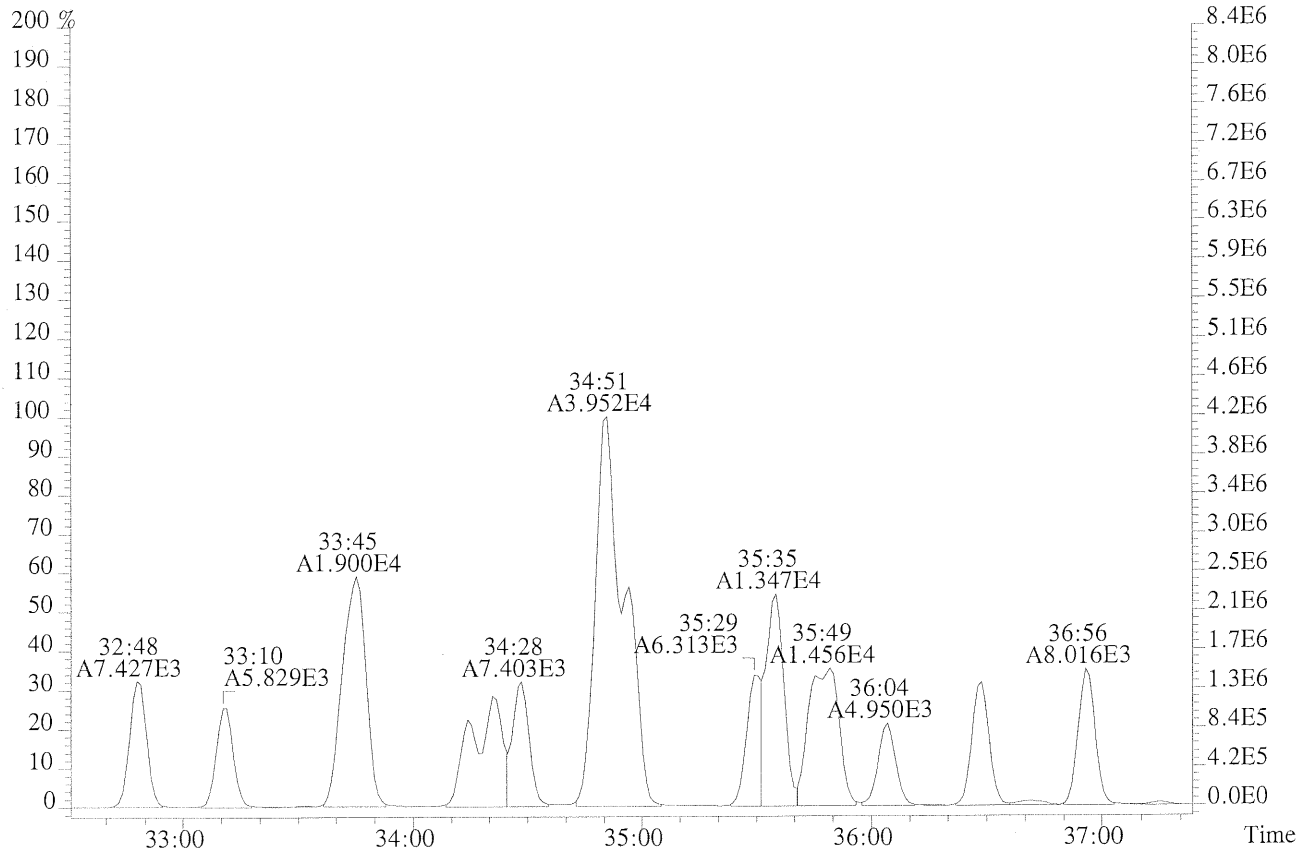
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1628.0,1.00%,F,T)



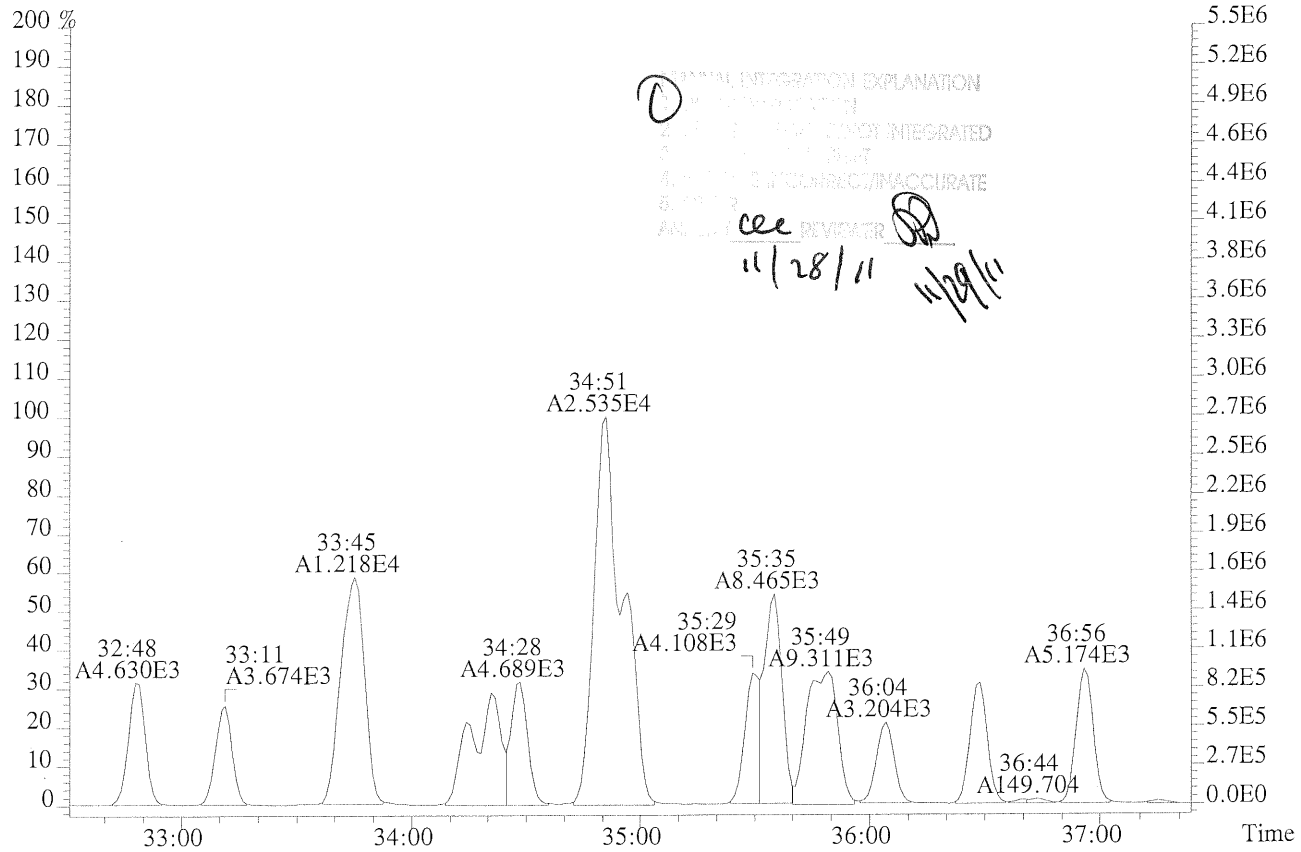
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)



File:U142173 #1-312 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6396.0,1.00%,F,T)



327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9160.0,1.00%,F,T)



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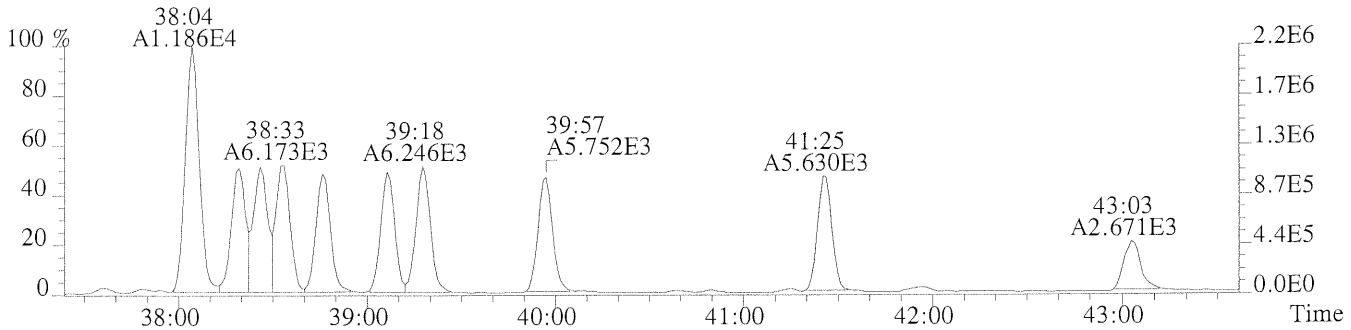
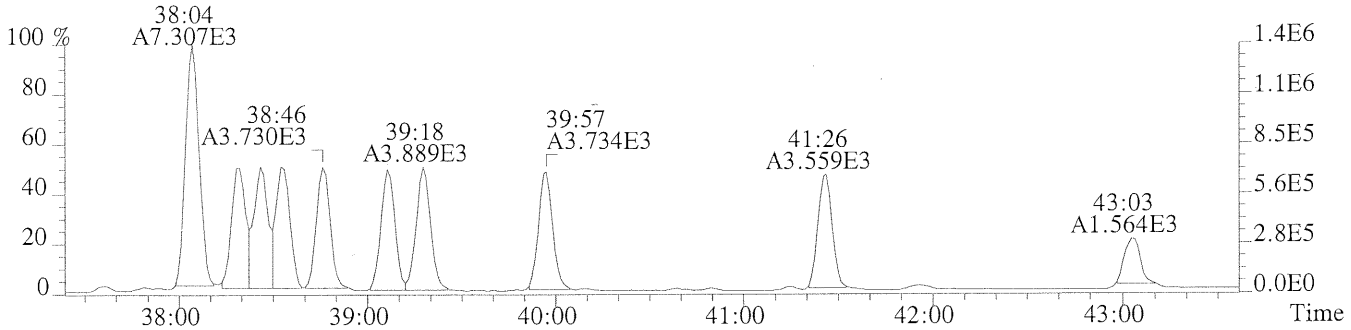
File:U142173 #1-398 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

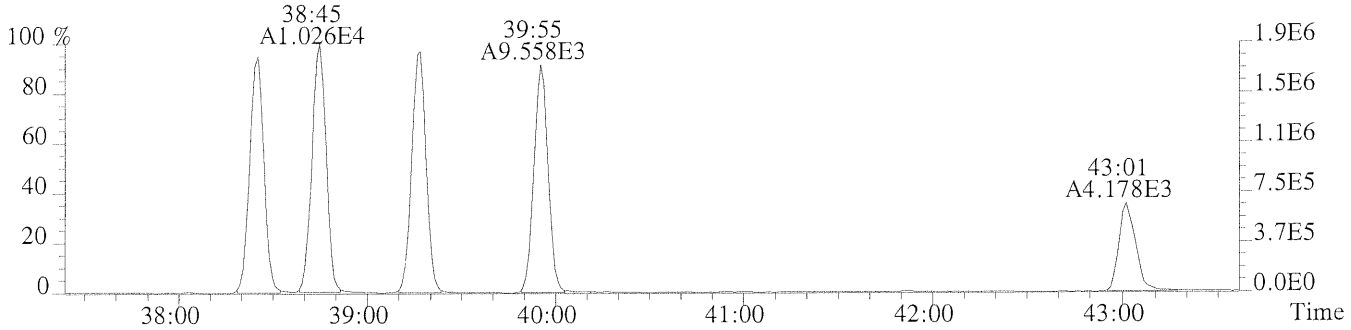
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,31404.0,1.00%,F,T)



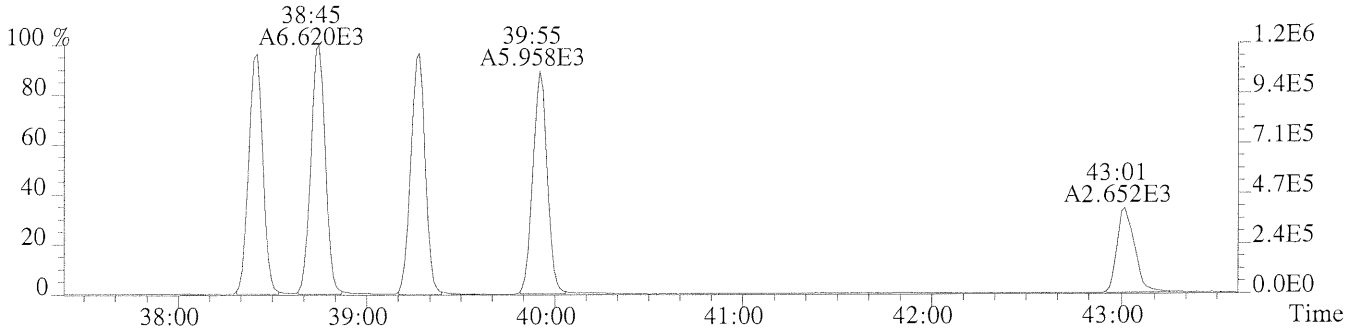
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,33288.0,1.00%,F,T)



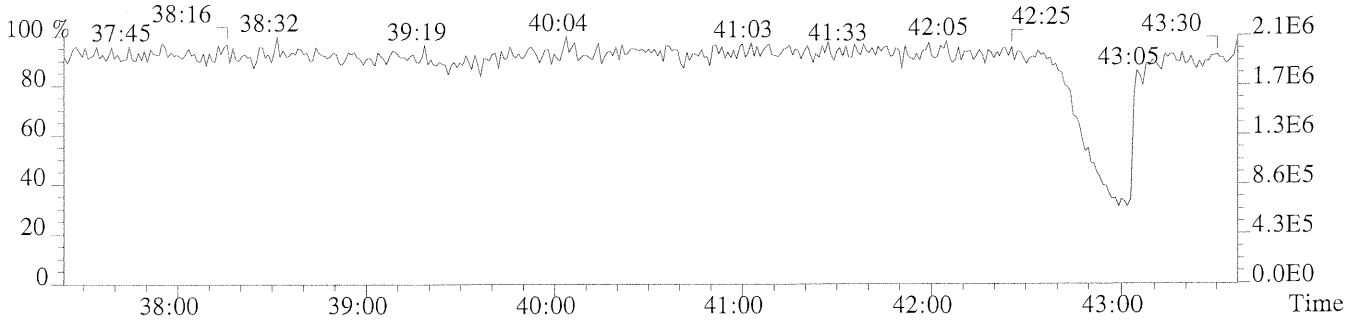
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4208.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3496.0,1.00%,F,T)

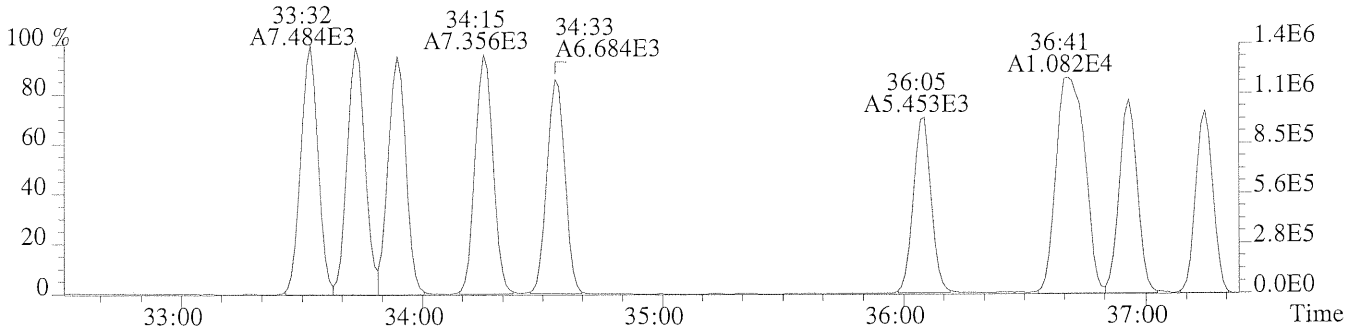


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

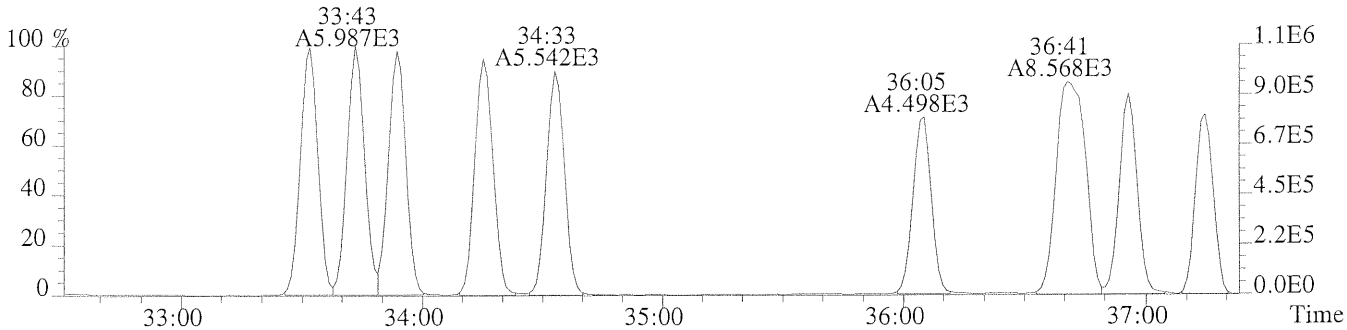


File:U142173 #1-312 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

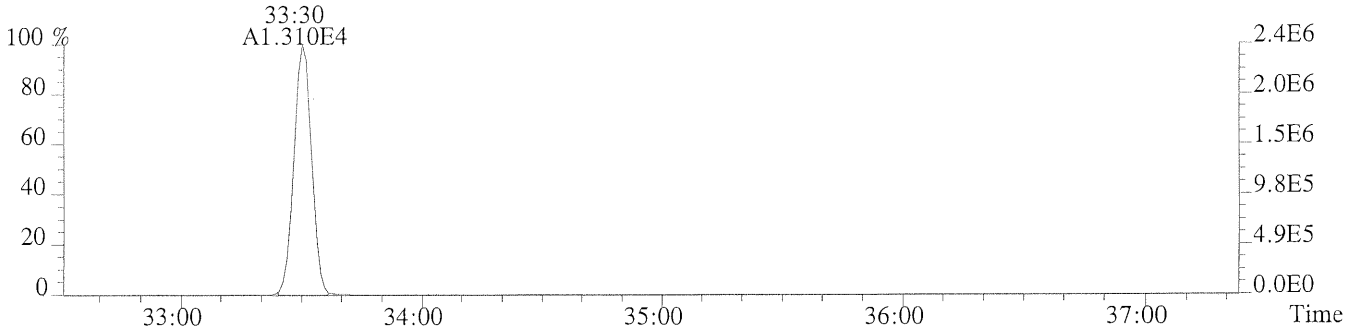
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2688.0,1.00%,F,T)



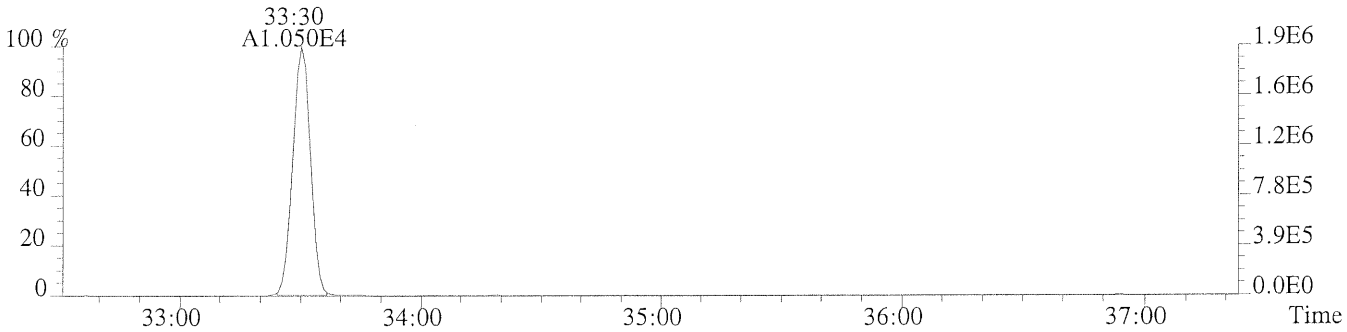
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2104.0,1.00%,F,T)



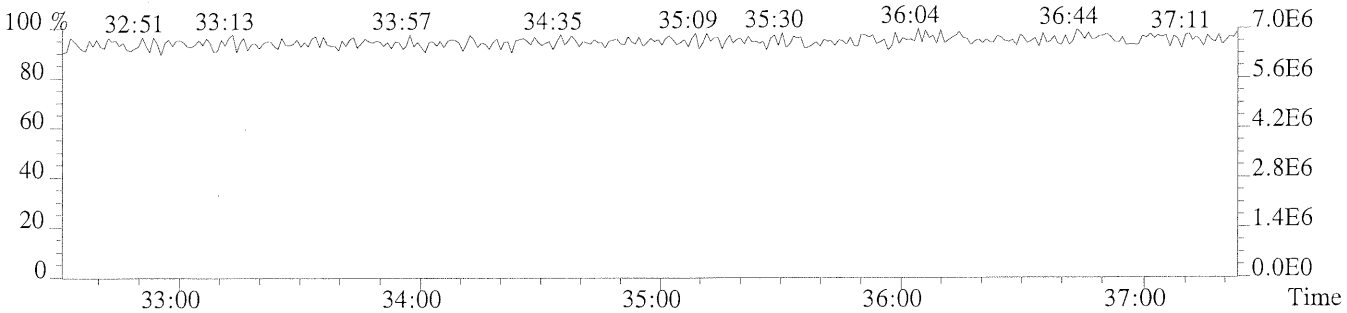
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1500.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1468.0,1.00%,F,T)

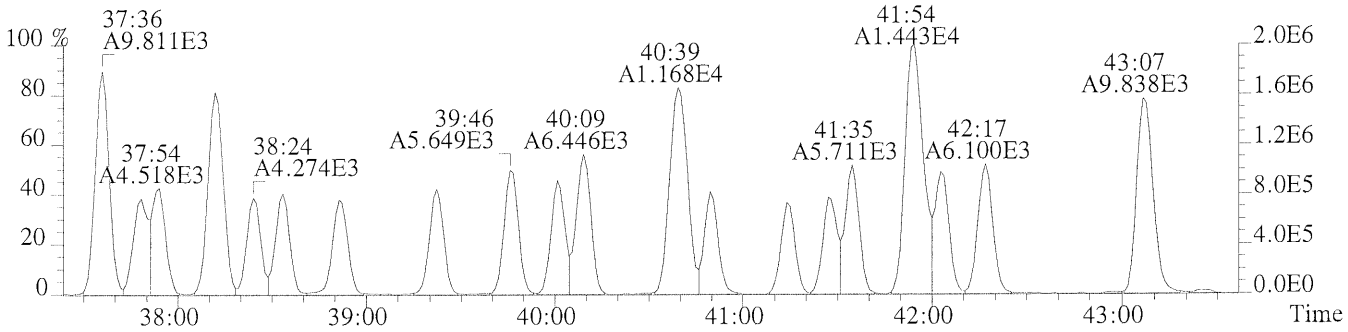


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

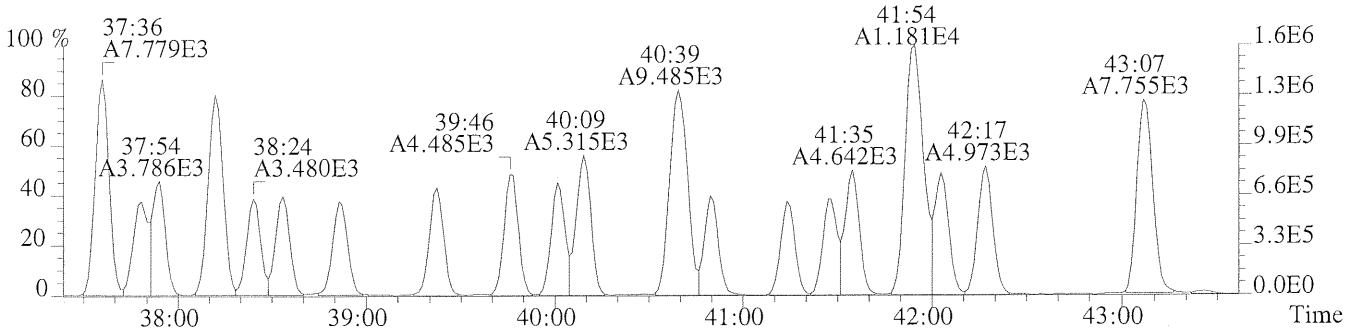


File:U142173 #1-398 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

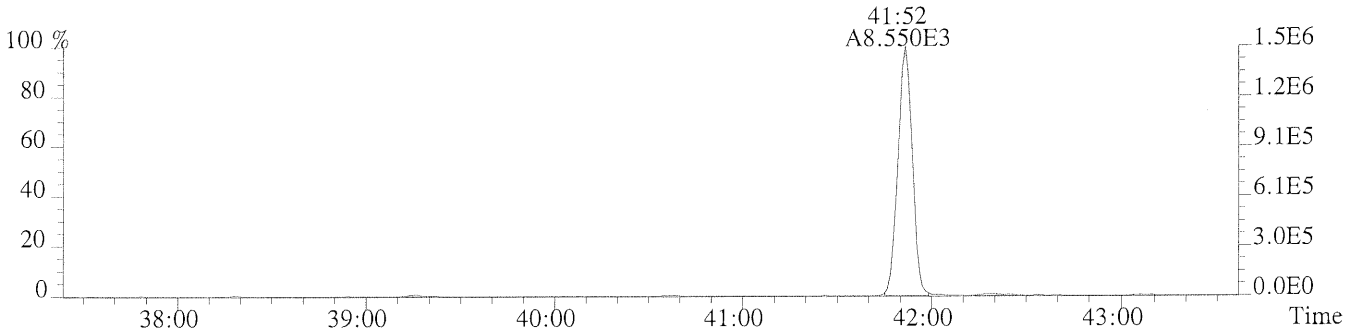
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4040.0,1.00%,F,T)



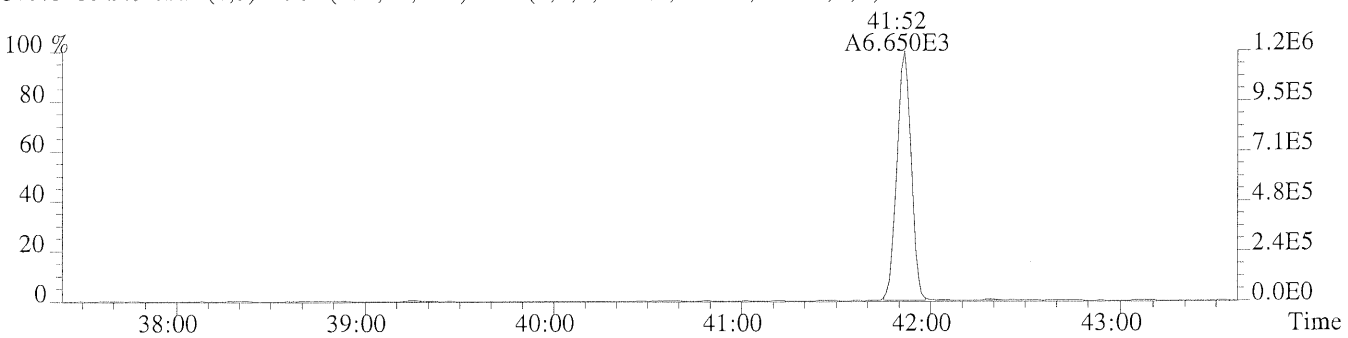
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4628.0,1.00%,F,T)



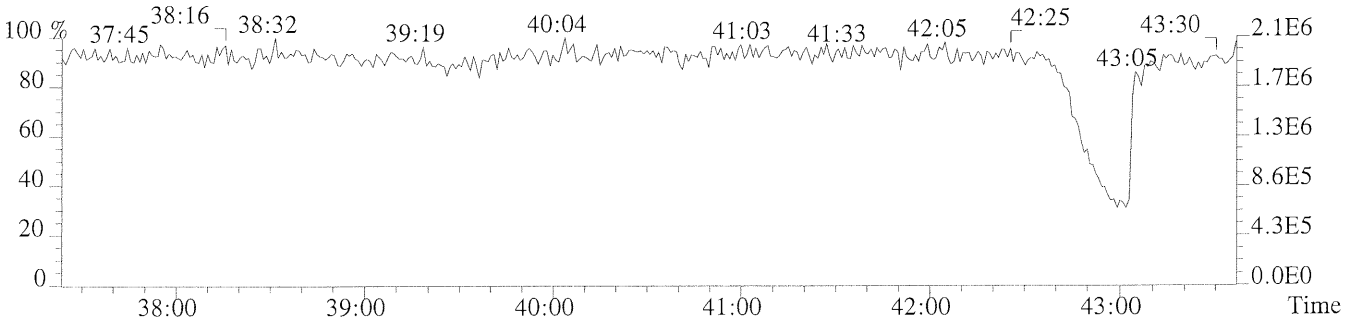
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1240.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1672.0,1.00%,F,T)

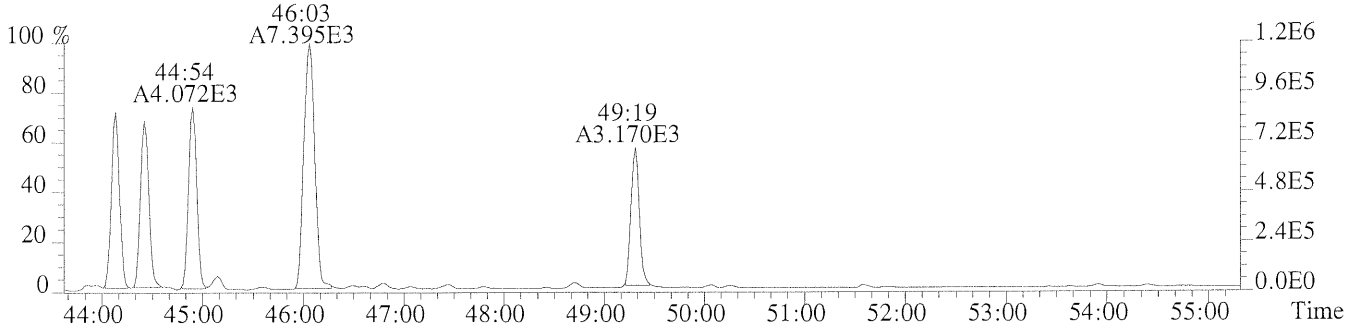


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

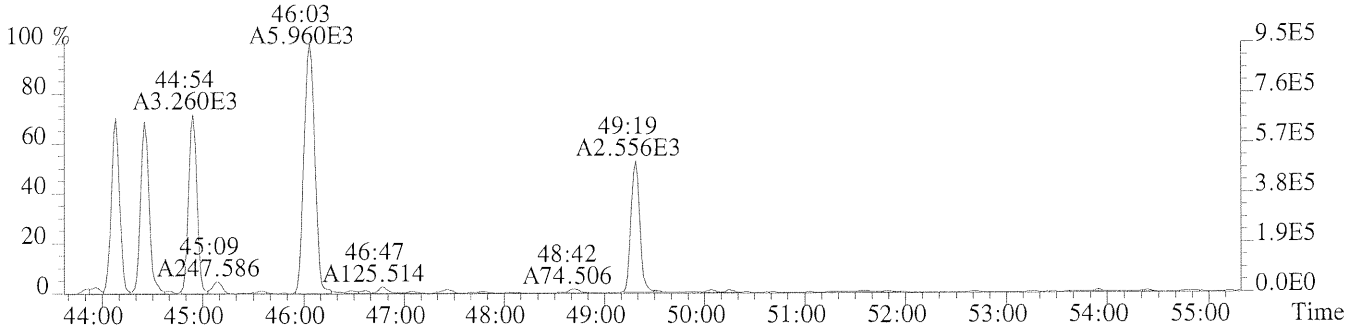


File:U142173 #1-579 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

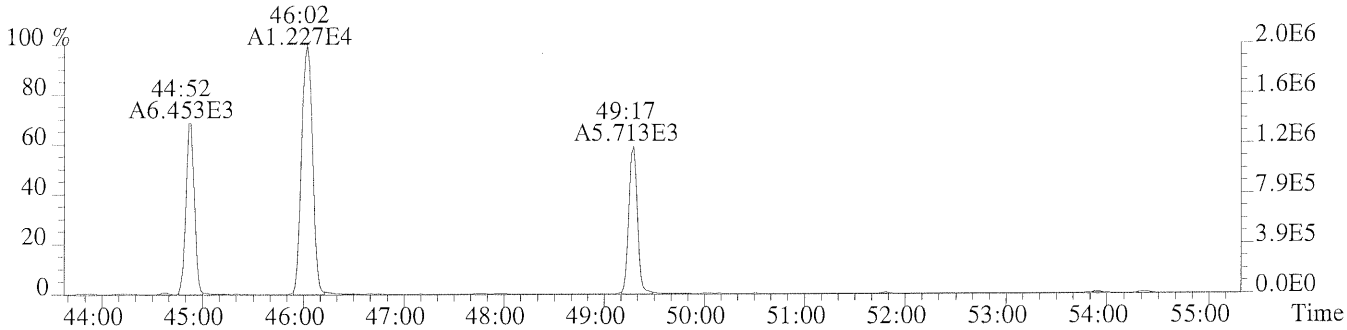
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,26592.0,1.00%,F,T)



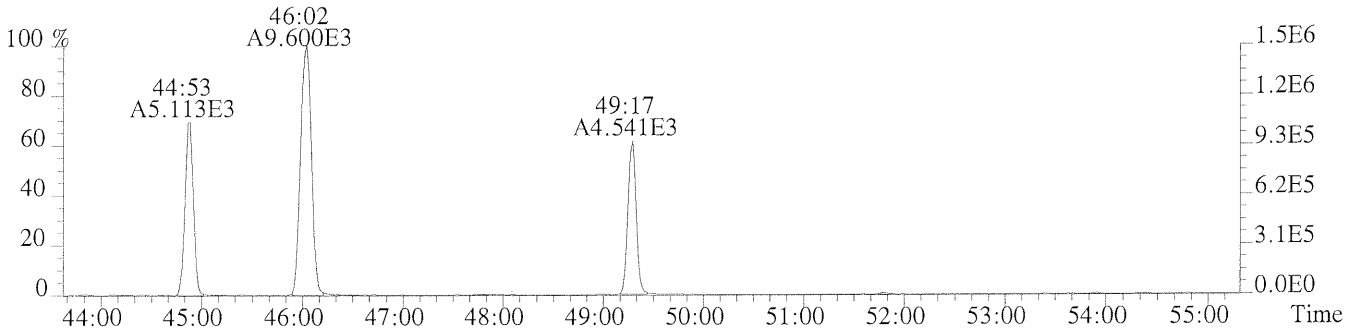
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1452.0,1.00%,F,T)



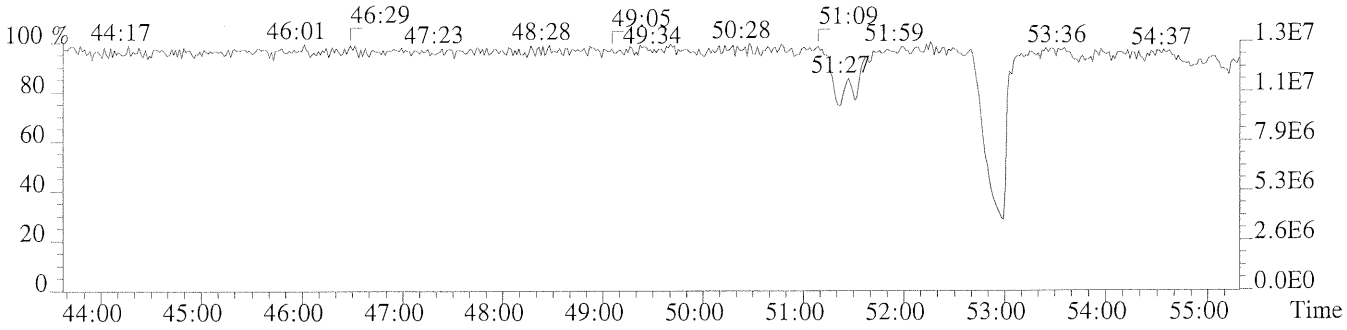
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1960.0,1.00%,F,T)



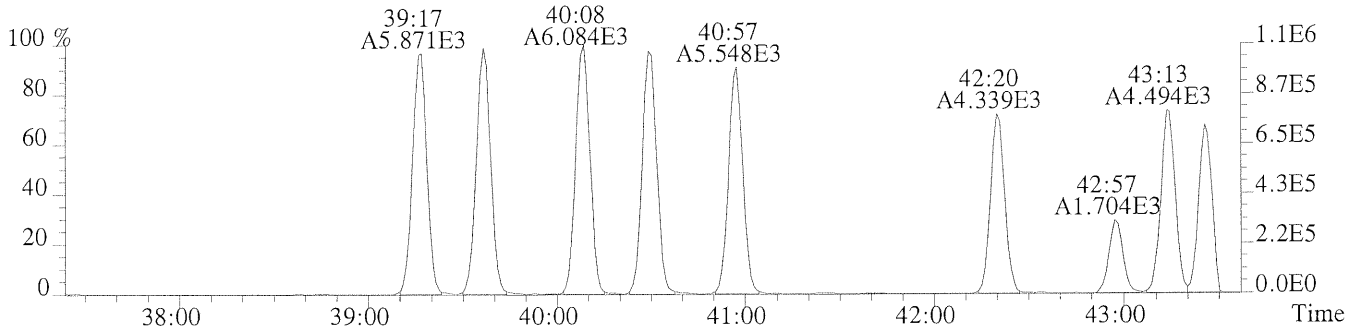
373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1676.0,1.00%,F,T)



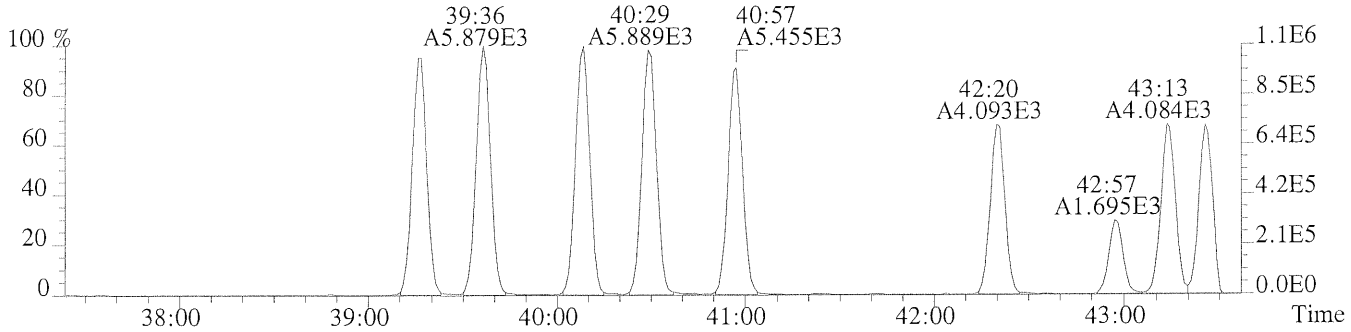
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



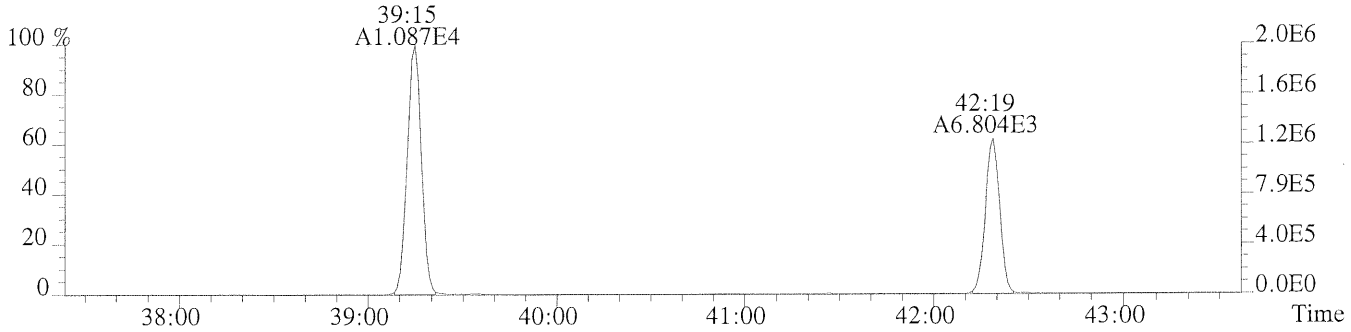
File:U142173 #1-398 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1024.0,1.00%,F,T)



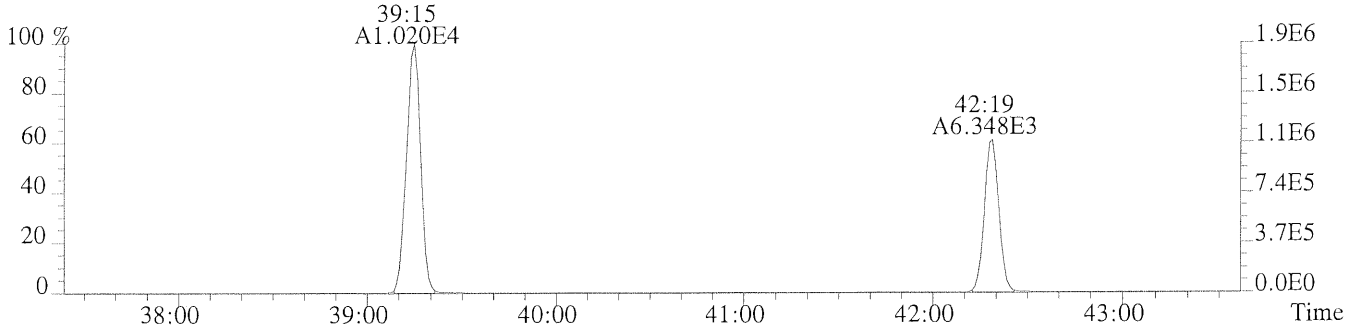
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1104.0,1.00%,F,T)



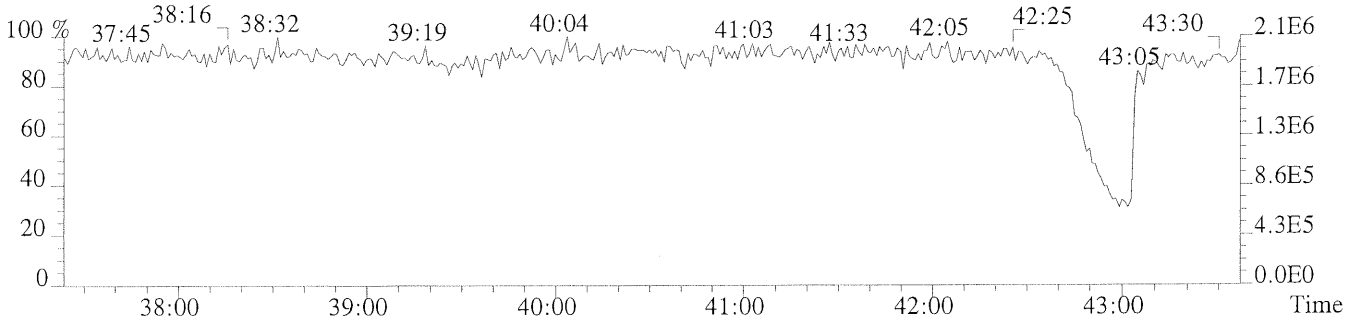
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1340.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,656.0,1.00%,F,T)

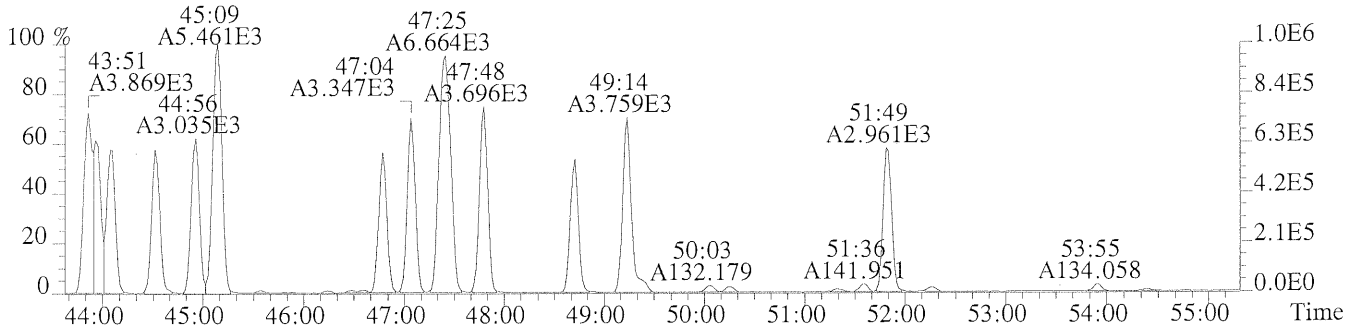


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

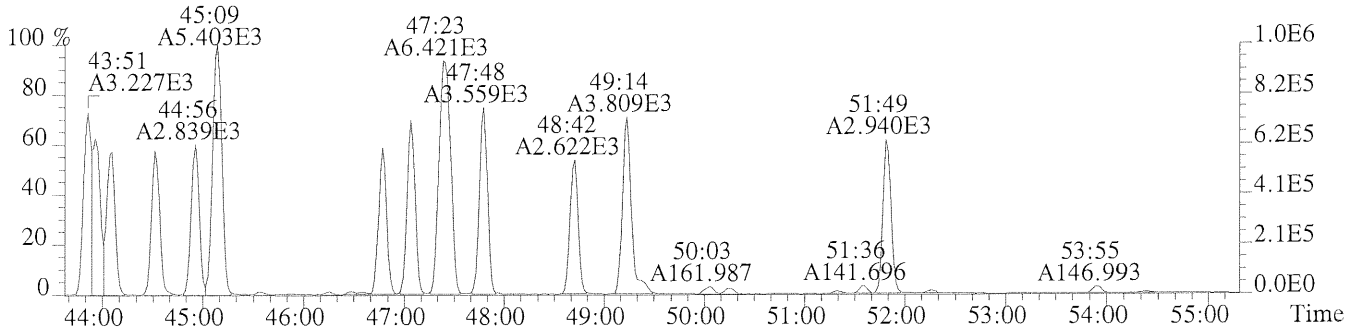


File:U142173 #1-579 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

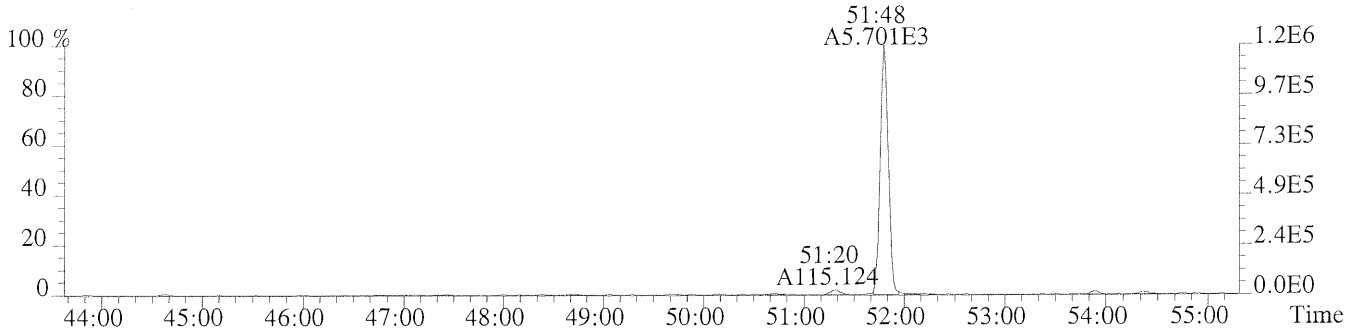
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2996.0,1.00%,F,T)



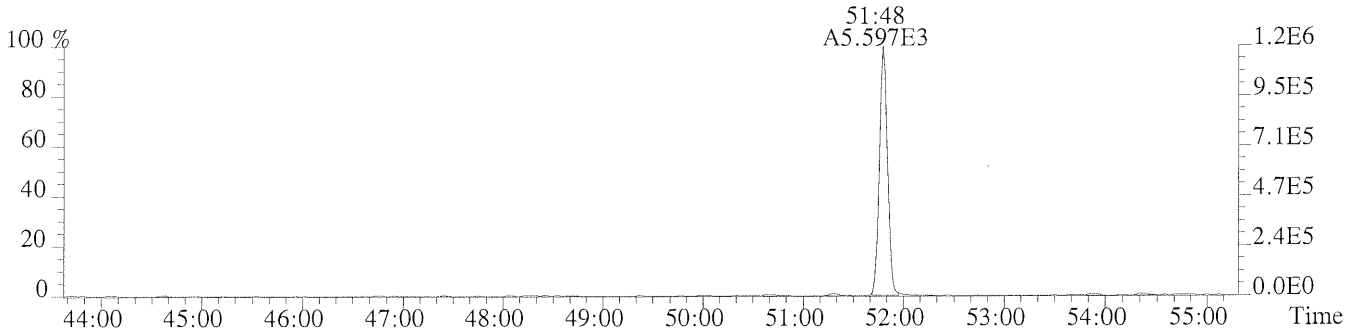
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2228.0,1.00%,F,T)



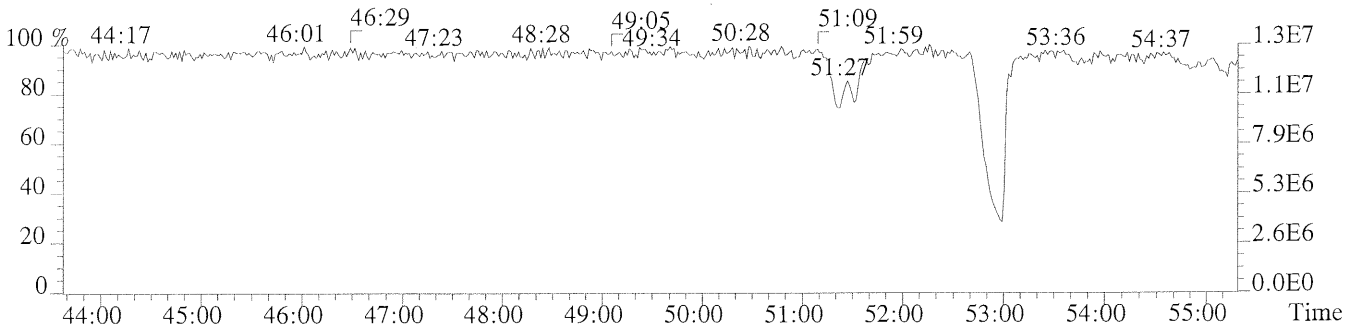
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1356.0,1.00%,F,T)



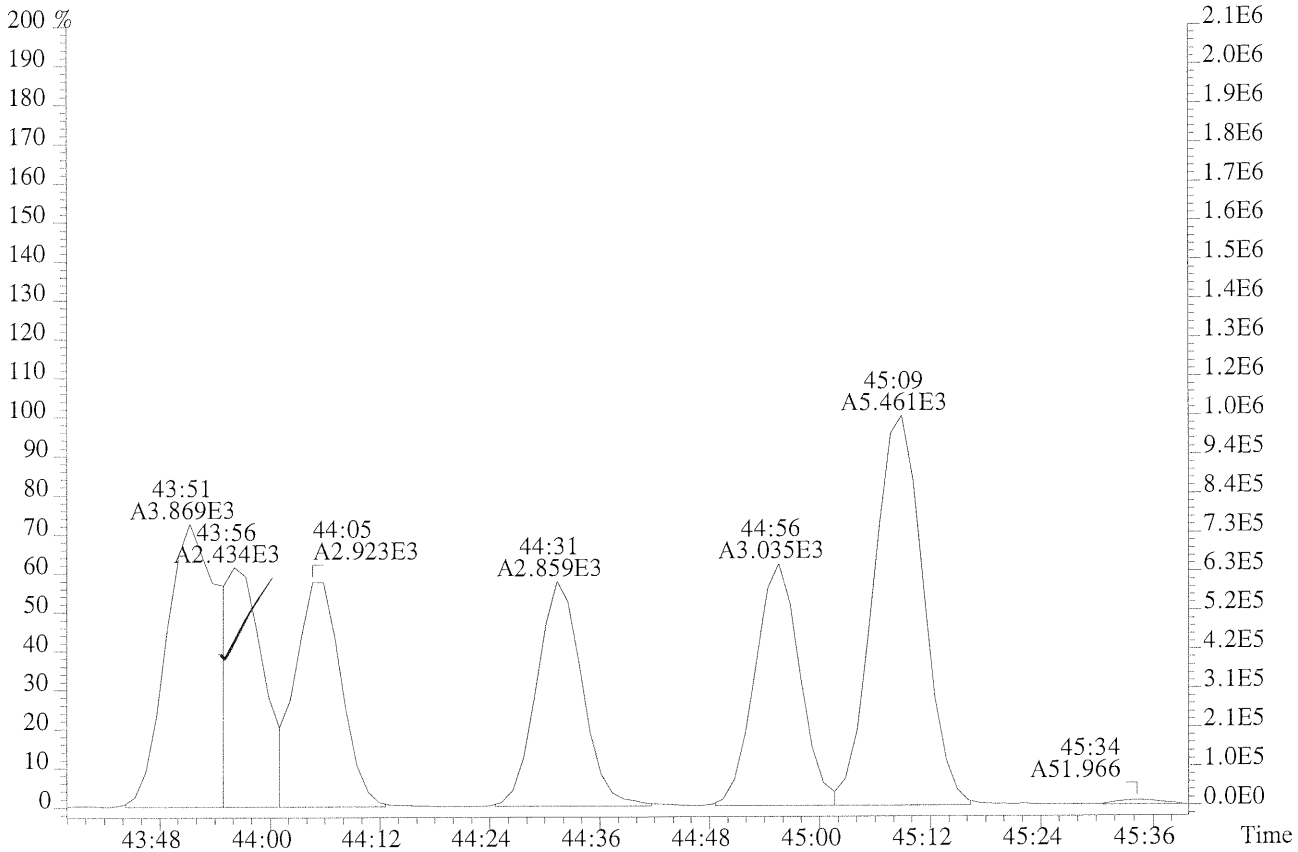
407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1408.0,1.00%,F,T)



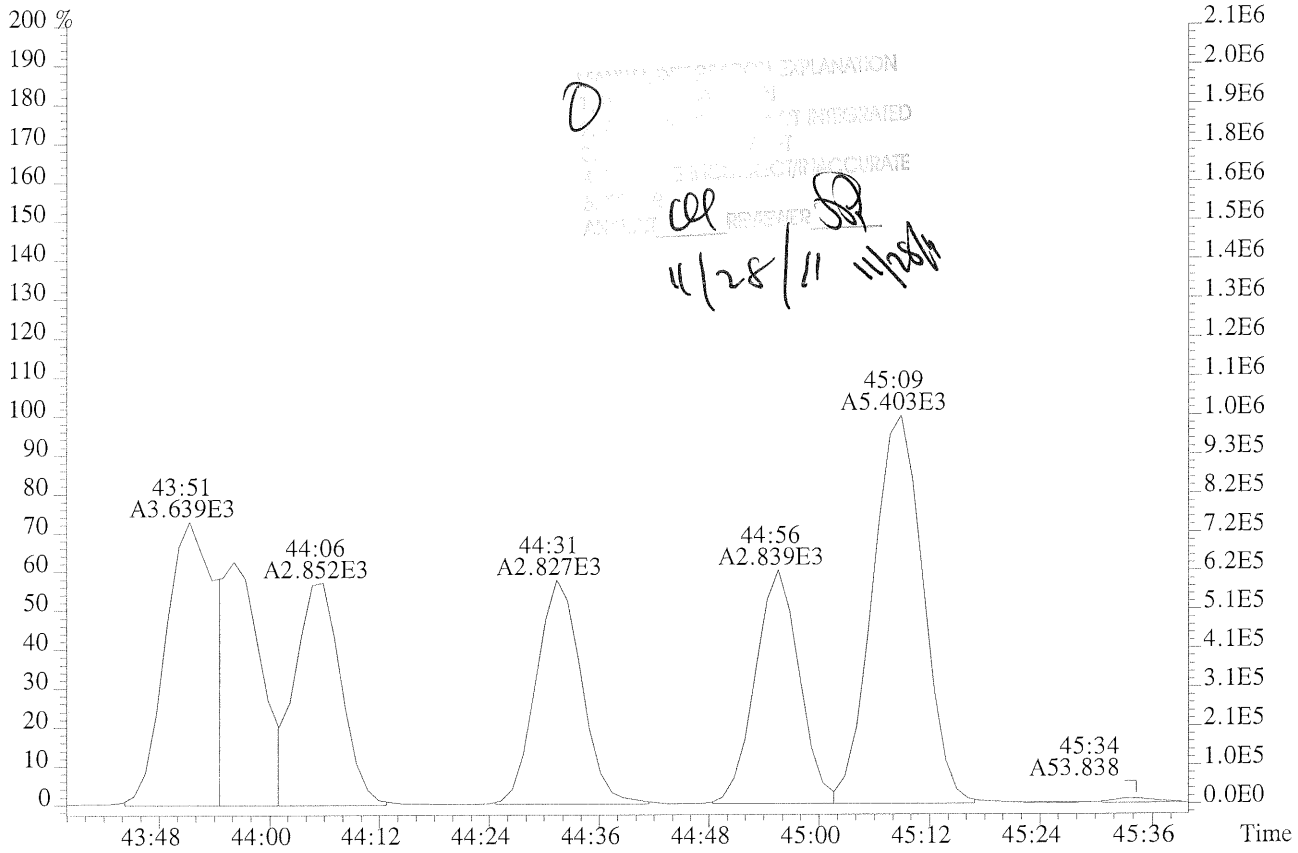
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:U142173 #1-579 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:PCB 209 INJECTION
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2996.0,1.00%,F,T)



395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2228.0,1.00%,F,T)



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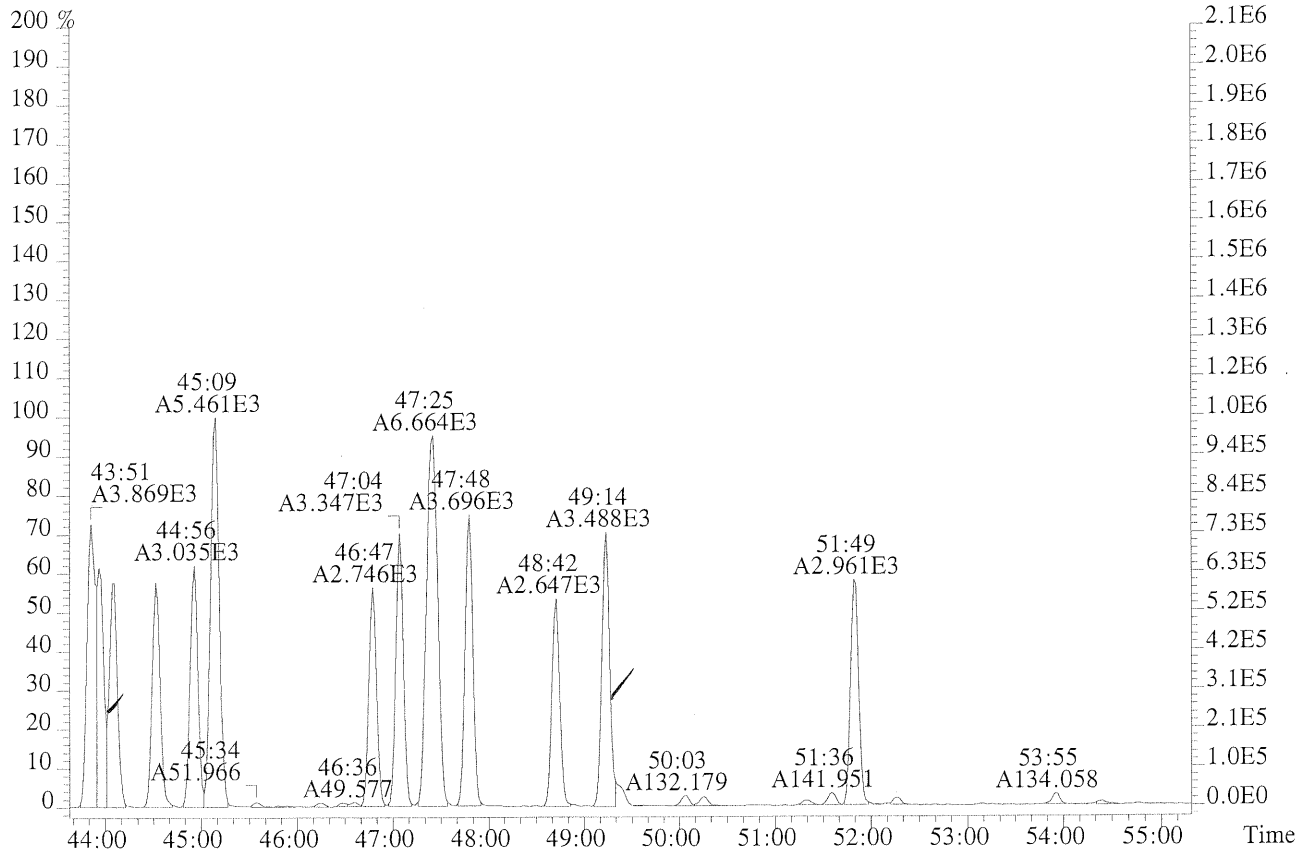
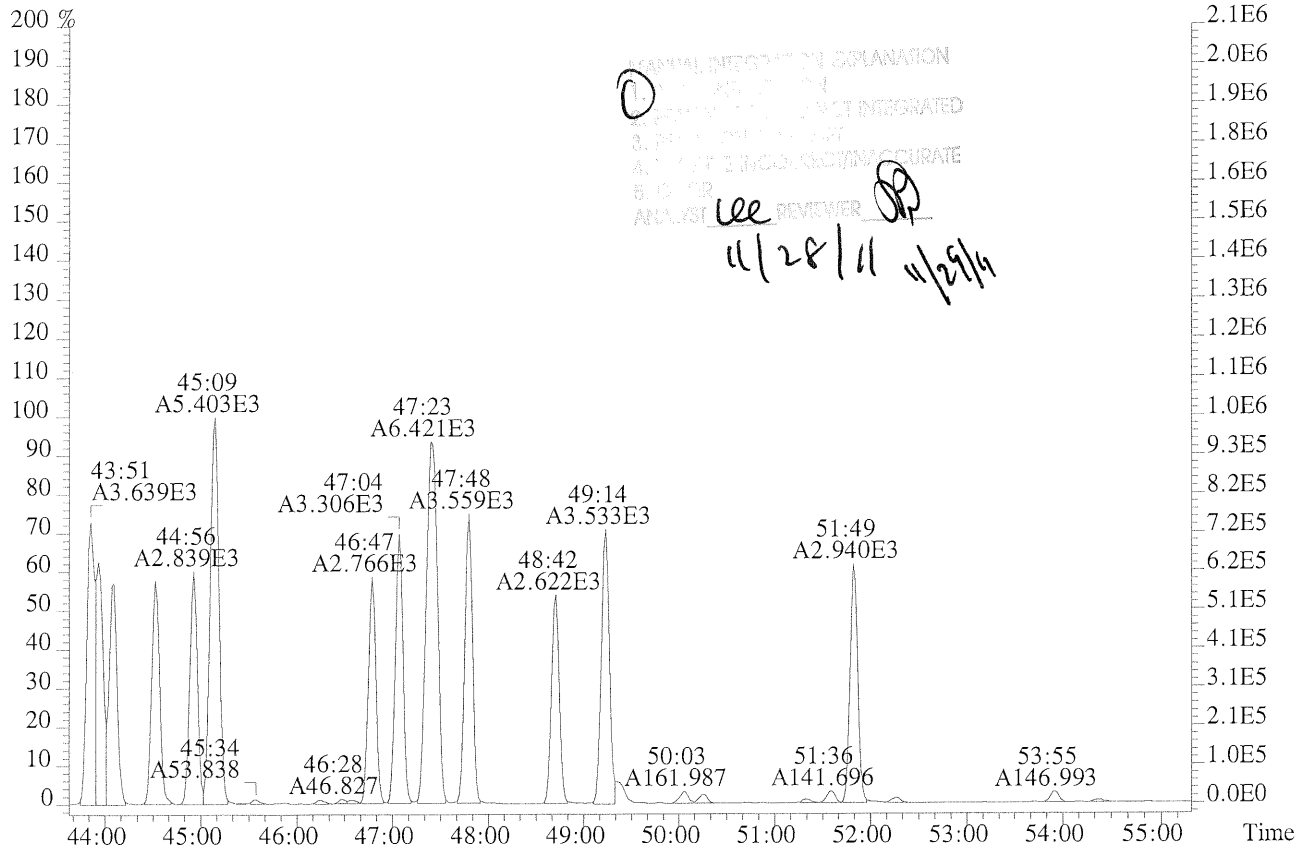
File:U142173 #1-579 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass s£
Sample#1 Exp:PCB 209 INJECTION
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2996.0,1.00%,F,T)

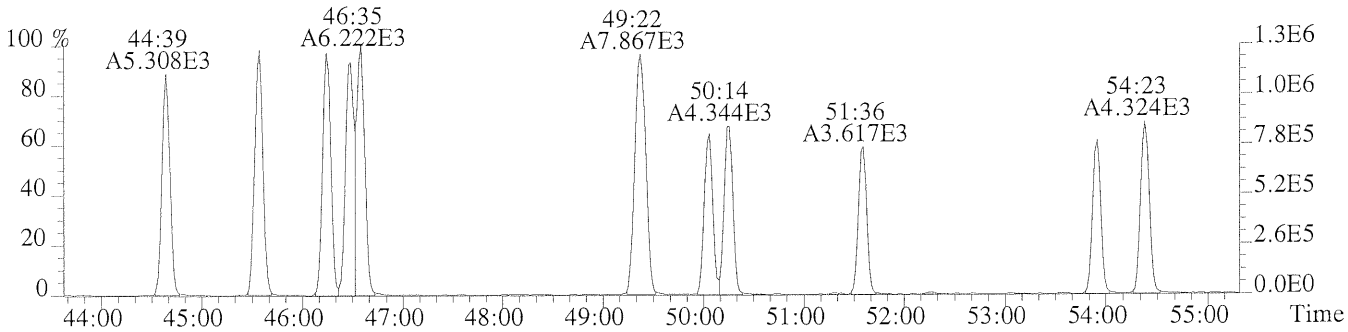


395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2228.0,1.00%,F,T)

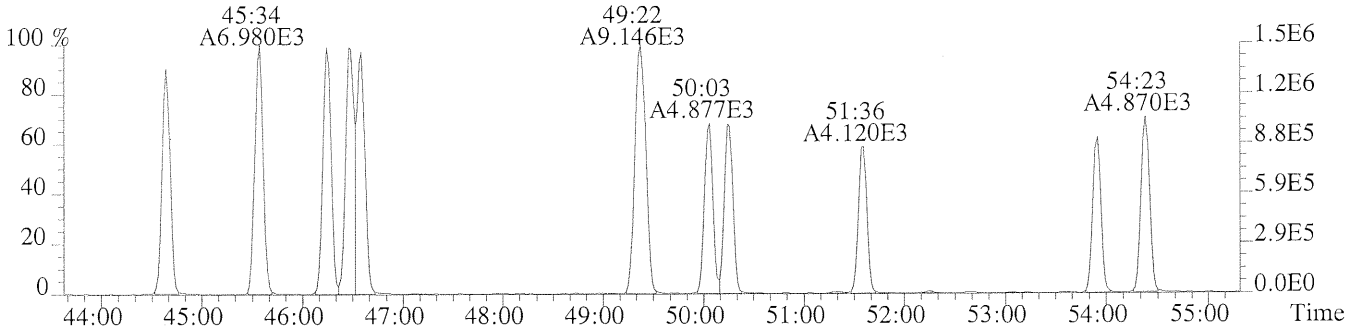


MANUAL INTEGRATION EXPLANATION
1. [illegible] INTEGRATED
2. [illegible]
3. [illegible]
4. [illegible] INCORRECT/INACCURATE
5. [illegible]
ANALYST Lee REVIEWER
11/28/11 11/29/11

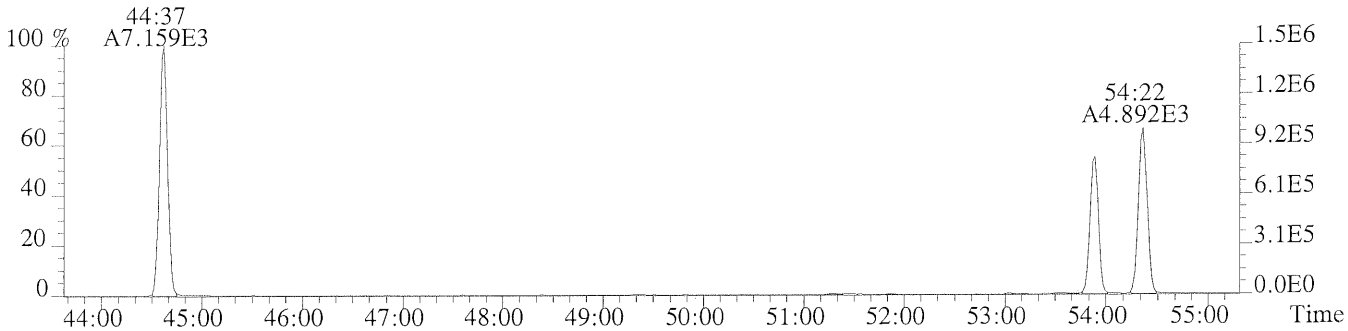
File:U142173 #1-579 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2056.0,1.00%,F,T)



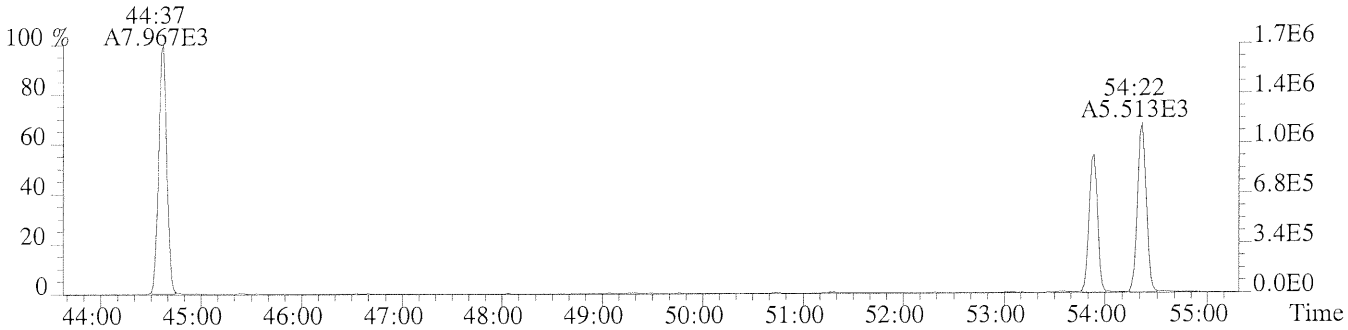
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1804.0,1.00%,F,T)



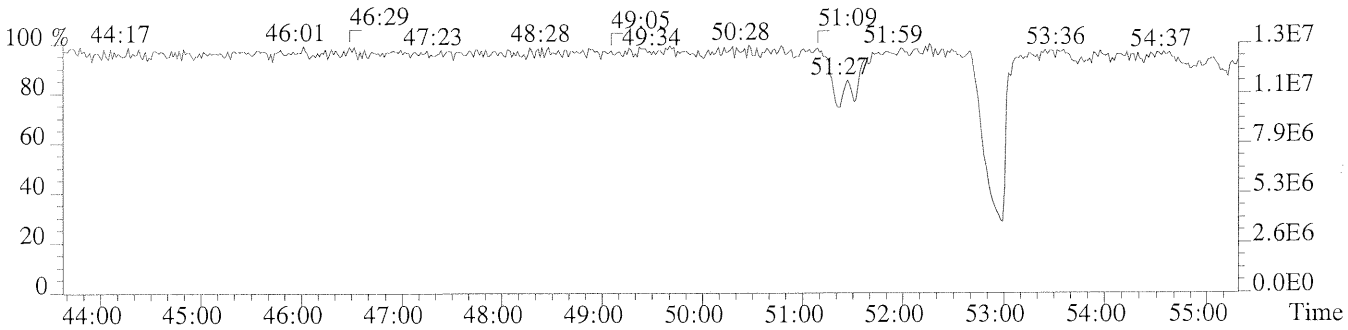
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1432.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1940.0,1.00%,F,T)

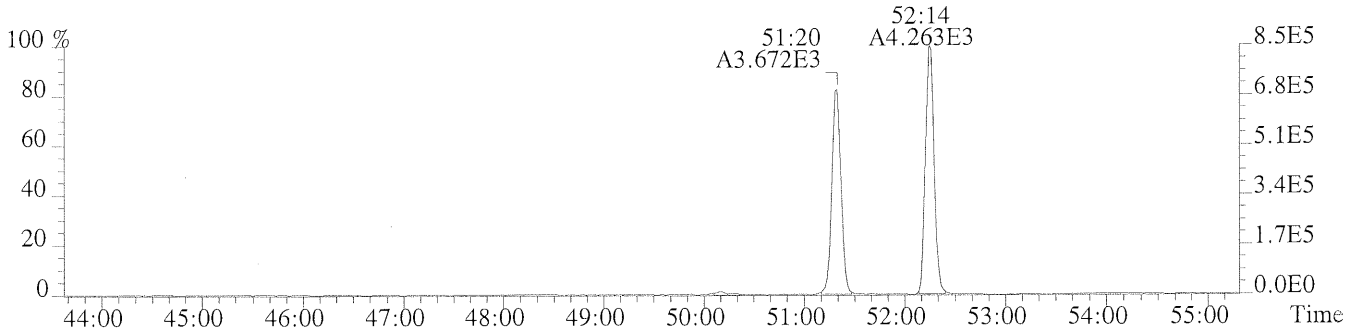


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

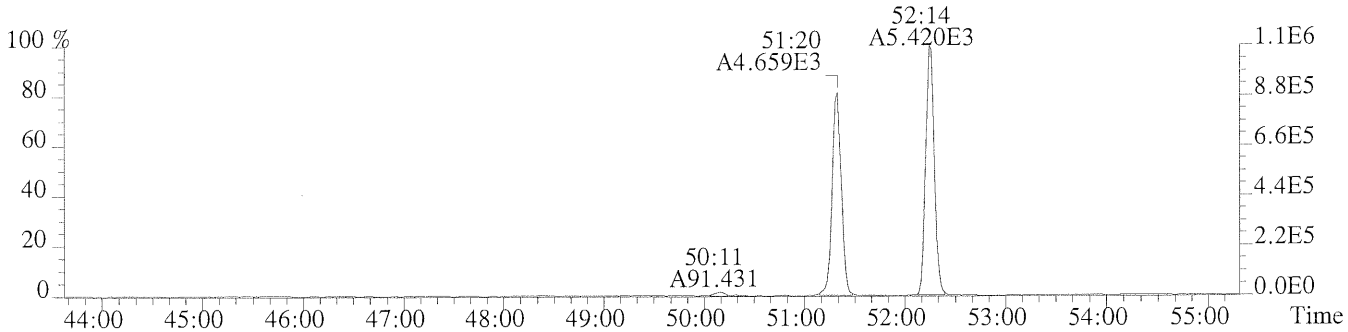


File:U142173 #1-579 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

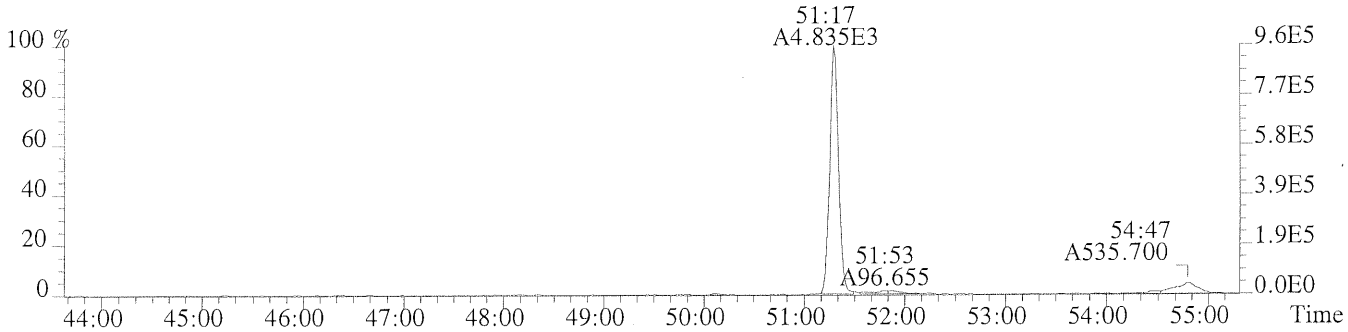
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1984.0,1.00%,F,T)



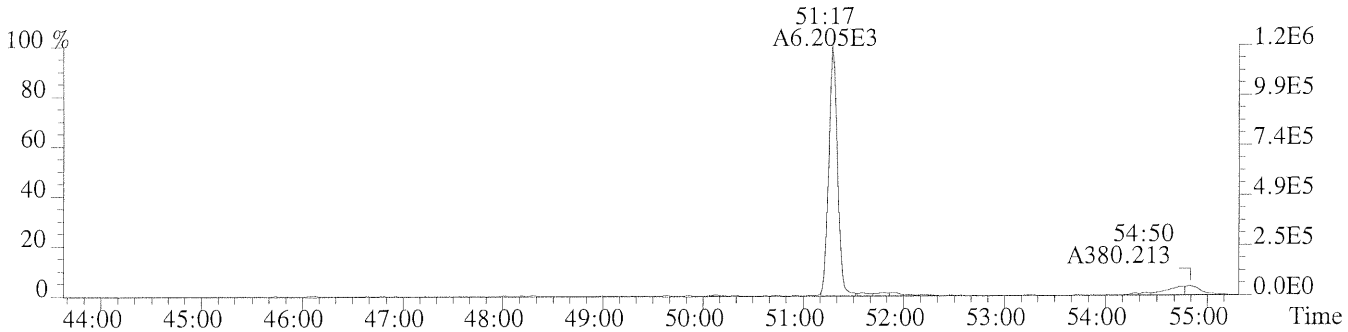
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2256.0,1.00%,F,T)



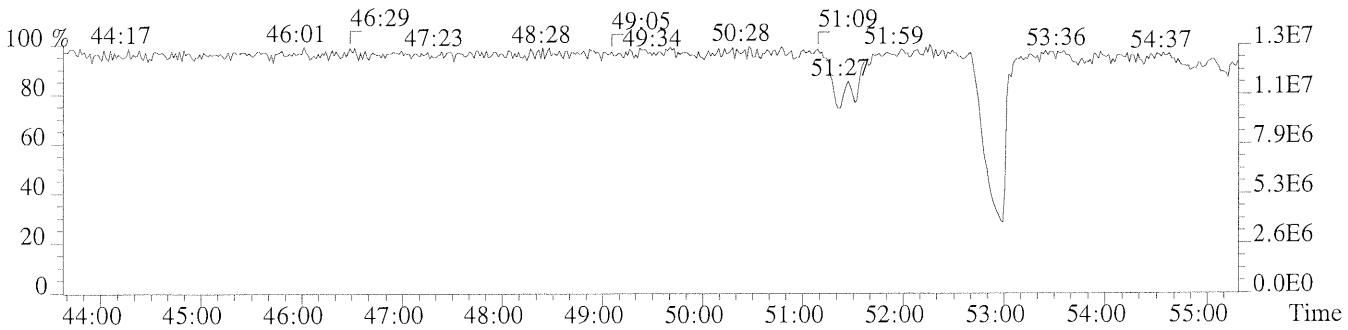
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1120.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1284.0,1.00%,F,T)

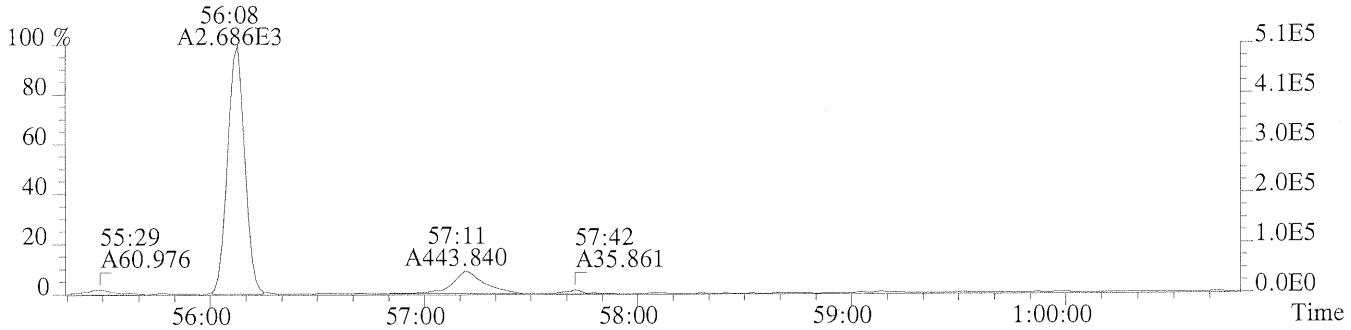


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

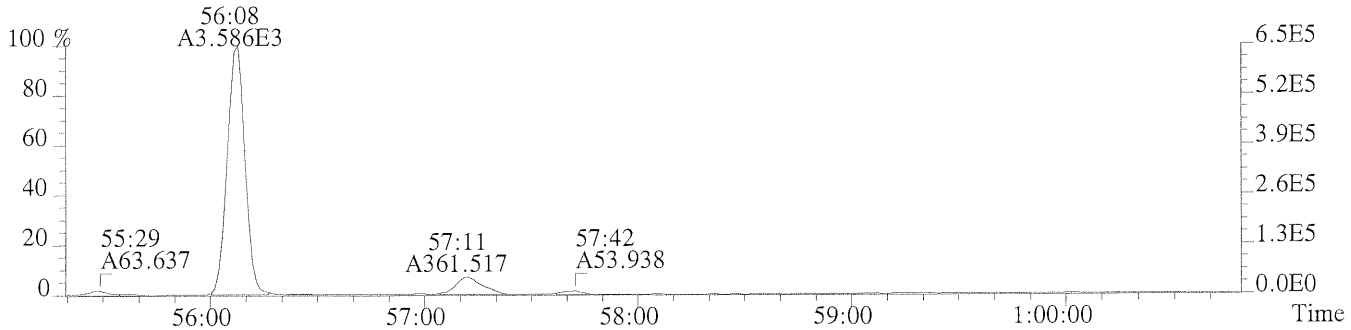


File:U142173 #1-310 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

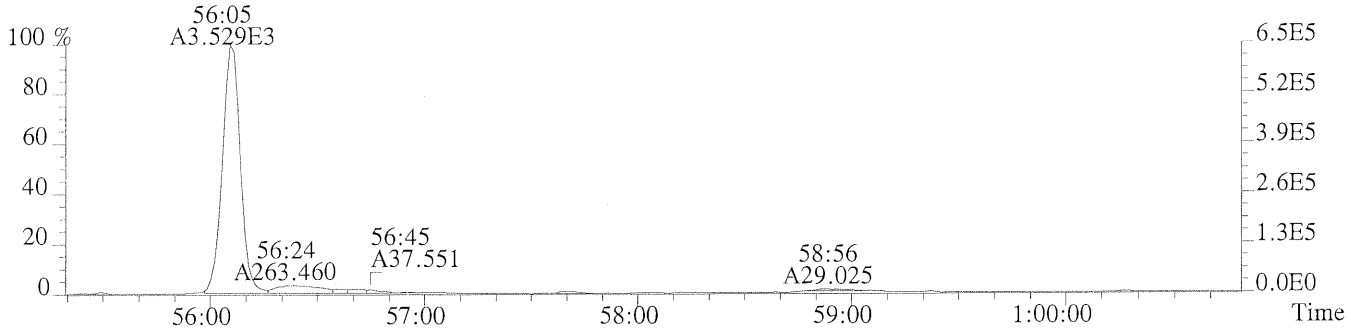
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1728.0,1.00%,F,T)



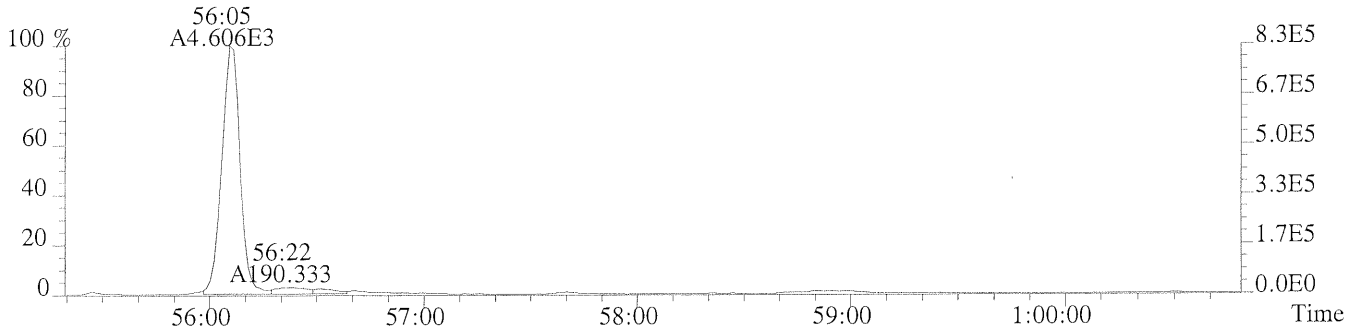
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1800.0,1.00%,F,T)



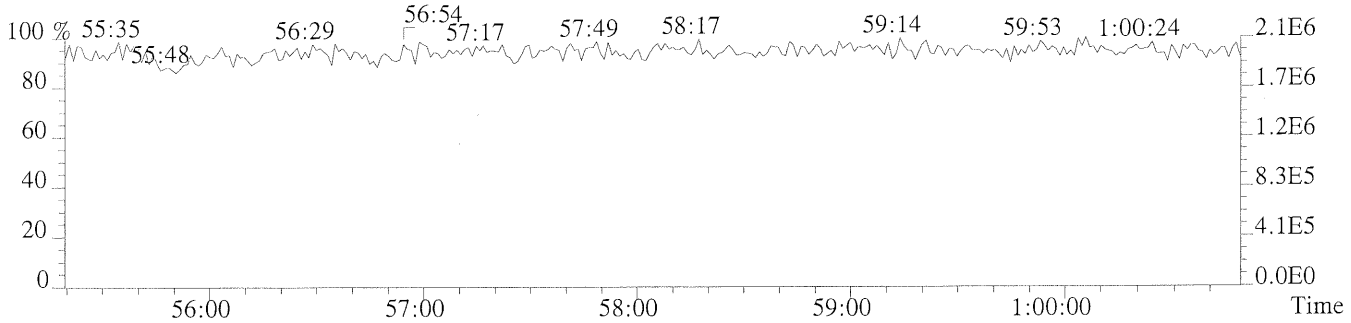
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2024.0,1.00%,F,T)



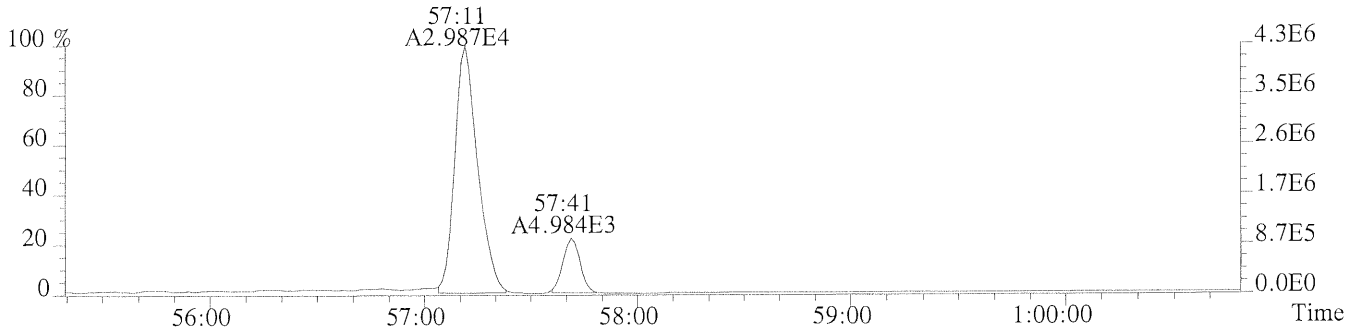
475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2940.0,1.00%,F,T)



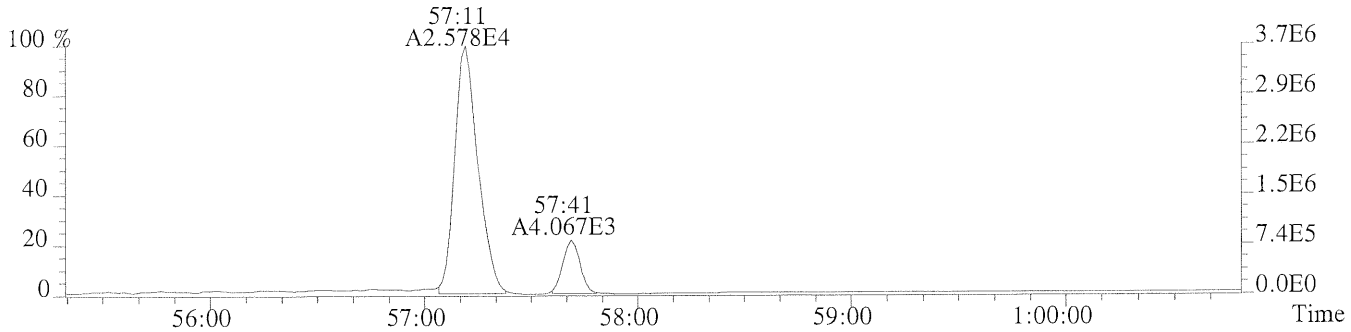
492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



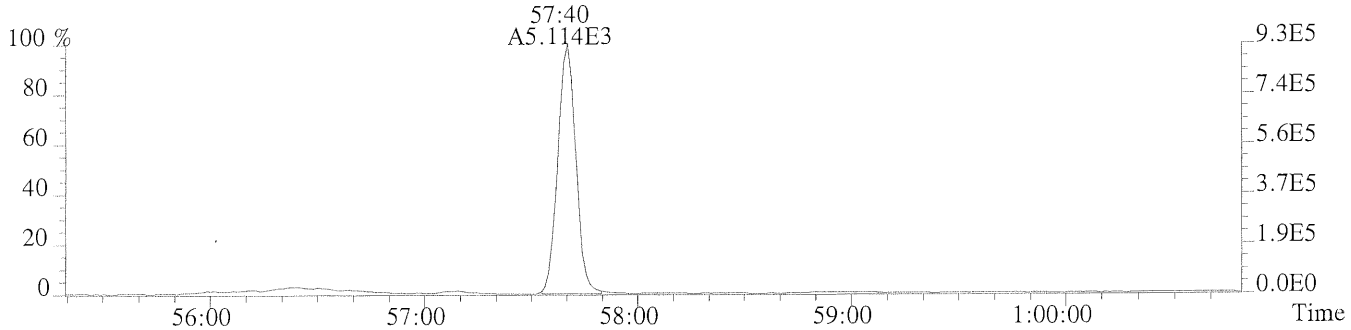
File:U142173 #1-310 Acq:26-NOV-2011 05:29:30 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,95460.0,1.00%,F,T)



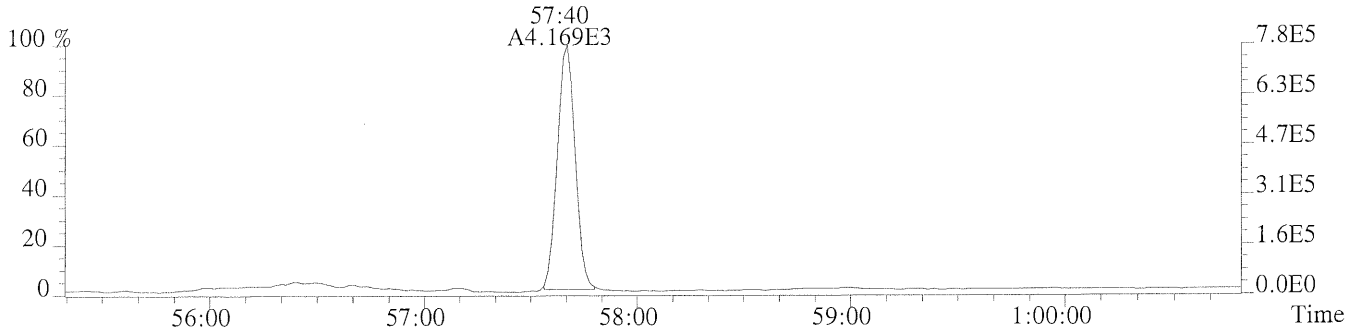
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,83380.0,1.00%,F,T)



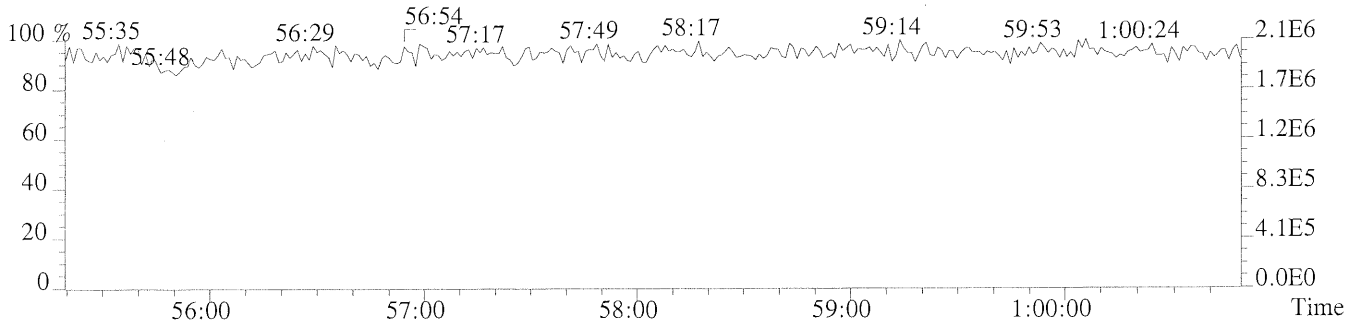
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5376.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,23568.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



FORM 4A
PCB CALIBRATION VERIFICATION

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 02/23/11

Instrument ID: E-HRMS-01 GC Column ID: SPB-OCTYL

VER Data Filename: U142174 Analysis Date: 26-NOV-11 Time: 06:46:31

NATIVE ANALYTES	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	CONC. FOUND	CONC. RANGE (3) (ng/mL)
2-MoCB	M/M+2	3.12	2.66-3.60	43.9	35.0 - 65.0
4-MoCB	M/M+2	3.10	2.66-3.60	45.3	35.0 - 65.0
22'-DiCB	M/M+2	1.56	1.33-1.79	51.2	35.0 - 65.0
44'-DiCB	M/M+2	1.69	1.33-1.79	46.7	35.0 - 65.0
22'6'-TrCB	M/M+2	1.00	0.88-1.20	51.7	35.0 - 65.0
344'-TrCB	M/M+2	1.01	0.88-1.20	48.1	35.0 - 65.0
22'66'-TeCB	M/M+2	0.80	0.65-0.89	57.4	35.0 - 65.0
344'5-TeCB	M/M+2	0.76	0.65-0.89	50.5	35.0 - 65.0
33'44'-TeCB	M/M+2	0.81	0.65-0.89	51.3	35.0 - 65.0
22'466'-PeCB	M+2/M+4	1.57	1.32-1.78	51.8	35.0 - 65.0
2'344'5-PeCB	M+2/M+4	1.50	1.32-1.78	47.4	35.0 - 65.0
23'44'5-PeCB	M+2/M+4	1.50	1.32-1.78	46.4	35.0 - 65.0
2344'5-PeCB	M+2/M+4	1.50	1.32-1.78	47.8	35.0 - 65.0
233'44'-PeCB	M+2/M+4	1.59	1.32-1.78	47.0	35.0 - 65.0
33'44'5-PeCB	M+2/M+4	1.52	1.32-1.78	50.3	35.0 - 65.0
22'44'66'-HxCB	M+2/M+4	1.16	1.05-1.43	51.7	35.0 - 65.0
23'44'55'-HxCB	M+2/M+4	1.32	1.05-1.43	48.6	35.0 - 65.0
233'44'5-HxCB	M+2/M+4	1.25	1.05-1.43	100.3	70.0 -130.0
33'44'55'-HxCB	M+2/M+4	1.25	1.05-1.43	51.3	35.0 - 65.0
22'34'566'-HpCB	M+2/M+4	0.98	0.89-1.21	51.1	35.0 - 65.0
233'44'55'-HpCB	M+2/M+4	1.07	0.89-1.21	53.8	35.0 - 65.0
22'33'55'66'-OcCB	M+2/M+4	0.87	0.76-1.02	55.0	35.0 - 65.0
233'44'55'6-OcCB	M+2/M+4	0.87	0.76-1.02	52.2	35.0 - 65.0
22'33'4'55'66'-NoCB	M+2/M+4	0.76	0.65-0.89	54.7	35.0 - 65.0
22'33'44'55'6-NoCB	M+2/M+4	0.77	0.65-0.89	49.5	35.0 - 65.0
DeCB	M+4/M+6	1.22	0.99-1.33	54.9	35.0 - 65.0

(1) See Table 7, Method 1668A, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 8, Method 1668A.

(3) Contract-required concentration range as specified in Table 6, Method 1668A, under VER.

SP1668F4A

FORM 4B
PCB CALIBRATION VERIFICATION

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 02/23/11

Instrument ID: E-HRMS-01 GC Column ID: SPB-OCTYL

VER Data Filename: U142174 Analysis Date: 26-NOV-11 Time: 06:46:31

	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	CONC. FOUND	CONC. RANGE (3) (ng/mL)
LABELED COMPOUNDS					
13C-2-MoCB	M/M+2	2.95	2.66-3.60	101.1	50.0 - 150.0
13C-4-MoCB	M/M+2	3.08	2.66-3.60	101.6	50.0 - 150.0
13C-22'-DiCB	M/M+2	1.57	1.33-1.79	112.9	50.0 - 150.0
13C-44'-DiCB	M/M+2	1.56	1.33-1.79	103.6	50.0 - 150.0
13C-22'6'-TrCB	M/M+2	1.01	0.88-1.20	110.4	50.0 - 150.0
13C-344'-TrCB	M/M+2	1.07	0.88-1.20	93.9	50.0 - 150.0
13C-22'66'-TeCB	M/M+2	0.81	0.65-0.89	68.1	50.0 - 150.0
13C-344'5-TeCB	M/M+2	0.79	0.65-0.89	99.3	50.0 - 150.0
13C-33'44'-TeCB	M/M+2	0.82	0.65-0.89	95.5	50.0 - 150.0
13C-22'466'-PeCB	M+2/M+4	1.67	1.32-1.78	74.5	50.0 - 150.0
13C-2'344'5-PeCB	M+2/M+4	1.51	1.32-1.78	87.7	50.0 - 150.0
13C-23'44'5-PeCB	M+2/M+4	1.56	1.32-1.78	86.8	50.0 - 150.0
13C-2344'5-PeCB	M+2/M+4	1.55	1.32-1.78	83.1	50.0 - 150.0
13C-233'44'-PeCB	M+2/M+4	1.58	1.32-1.78	85.8	50.0 - 150.0
13C-33'44'5-PeCB	M+2/M+4	1.54	1.32-1.78	86.2	50.0 - 150.0
13C-22'44'66'-HxCB	M+2/M+4	1.25	1.05-1.43	95.1	50.0 - 150.0
13C-23'44'55'-HxCB	M+2/M+4	1.26	1.05-1.43	79.7	50.0 - 150.0
13C-233'44'5'-HxCB	M+2/M+4	1.26	1.05-1.43	159.2	100.0 - 300.0
13C-33'44'55'-HxCB	M+2/M+4	1.23	1.05-1.43	78.4	50.0 - 150.0
13C-22'34'566'-HpCB	M+2/M+4	1.06	0.89-1.21	106.1	50.0 - 150.0
13C-233'44'55'-HpCB	M+2/M+4	1.05	0.89-1.21	99.2	50.0 - 150.0
13C-22'33'55'66'-OcCB	M+2/M+4	0.89	0.76-1.02	101.9	50.0 - 150.0
13C-233'44'55'6-OcCB	M+2/M+4	0.88	0.76-1.02	101.1	50.0 - 150.0
13C-22'33'4'55'66'-NoCB	M+2/M+4	0.78	0.65-0.89	105.4	50.0 - 150.0
13C-22'33'44'55'6-NoCB	M+2/M+4	0.78	0.65-0.89	94.3	50.0 - 150.0
13C-DeCB	M+4/M+6	1.18	0.99-1.33	86.4	50.0 - 150.0
CLEANUP STANDARDS					
13C-244'-TrCB	M/M+2	1.06	0.88-1.20	92.1	50.0 - 150.0
13C-233'55'-PeCB	M+2/M+4	1.57	1.32-1.78	97.3	50.0 - 150.0
13C-22'33'55'6-HpCB	M+2/M+4	1.06	0.89-1.21	82.6	50.0 - 150.0

(1) See Table 7, Method 1668A, for m/z specifications.
(2) Ion Abundance Ratio Control Limits as specified in Table 8, Method 1668A.
(3) Contract-required concentration range, as specified in Table 6, Method 1668A, under VER.

SP1668F4B

Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
CCAL CS3

Run #7 Filename U142174 Samp: 1 Inj: 1 Acquired: 26-NOV-11 06:46:31
Processed: 28-NOV-11 14:57:24 Sample ID: CCAL CS3

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?
1	1	2-MoCB	13:22	1.240e+04	3.978e+03	3.12	yes	no
2	3	4-MoCB	15:38	1.196e+04	3.858e+03	3.10	yes	no
3	4	22'-DiCB	15:53	8.896e+03	5.702e+03	1.56	yes	no
4	15	44'-DiCB	21:56	8.084e+03	4.779e+03	1.69	yes	no
5	19	22'6'-TrCB	19:04	5.146e+03	5.131e+03	1.00	yes	no
6	37	344'-TrCB	29:03	6.780e+03	6.735e+03	1.01	yes	no
7	54	22'66'-TeCB	22:13	4.762e+03	5.949e+03	0.80	yes	no
8	81	344'5-TeCB	35:51	5.090e+03	6.703e+03	0.76	yes	no
9	77	33'44'-TeCB	36:25	4.962e+03	6.135e+03	0.81	yes	no
10	104	22'466'-PeCB	27:47	8.220e+03	5.220e+03	1.57	yes	no
11	123	2'344'5-PeCB	38:25	6.341e+03	4.222e+03	1.50	yes	no
12	118	23'44'5-PeCB	38:45	6.288e+03	4.189e+03	1.50	yes	no
13	114	2344'5-PeCB	39:17	6.161e+03	4.110e+03	1.50	yes	no
14	105	233'44'-PeCB	39:55	6.140e+03	3.866e+03	1.59	yes	no
15	126	33'44'5-PeCB	43:01	5.464e+03	3.591e+03	1.52	yes	no
16	155	22'44'66'-HxCB	33:31	8.853e+03	7.619e+03	1.16	yes	no
17	167	23'44'55'-HxCB	44:53	4.065e+03	3.076e+03	1.32	yes	no
18	156/7	233'44'5-HxCB	46:02	7.562e+03	6.043e+03	1.25	yes	no
19	169	33'44'55'-HxCB	49:17	3.289e+03	2.625e+03	1.25	yes	no
20	188	22'34'566'-HpCB	39:15	6.696e+03	6.807e+03	0.98	yes	no
21	189	233'44'55'-HpCB	51:48	3.327e+03	3.096e+03	1.07	yes	no
22	202	22'33'55'66'-OcCB	44:39	4.336e+03	4.982e+03	0.87	yes	no
23	205	233'44'55'6-OcCB	54:22	3.170e+03	3.645e+03	0.87	yes	no
24	208	22'33'4'55'66'-NoCB	51:17	3.128e+03	4.109e+03	0.76	yes	no
25	206	22'33'44'55'6-NoCB	56:05	2.015e+03	2.609e+03	0.77	yes	no
26	209	DeCB	57:41	3.888e+03	3.185e+03	1.22	yes	no
27	1L	13C-2-MoCB	13:21	2.604e+04	8.819e+03	2.95	yes	no
28	3L	13C-4-MoCB	15:37	2.541e+04	8.261e+03	3.08	yes	no
29	4L	13C-22'-DiCB	15:52	1.566e+04	9.952e+03	1.57	yes	no
30	15L	13C-44'-DiCB	21:55	1.715e+04	1.102e+04	1.56	yes	no
31	19L	13C-22'6'-TrCB	19:03	9.948e+03	9.897e+03	1.01	yes	no
32	37L	13C-344'-TrCB	29:03	1.331e+04	1.248e+04	1.07	yes	no
33	54L	13C-22'66'-TeCB	22:11	8.338e+03	1.029e+04	0.81	yes	no
34	81L	13C-344'5-TeCB	35:50	9.955e+03	1.262e+04	0.79	yes	no
35	77L	13C-33'44'-TeCB	36:24	9.801e+03	1.195e+04	0.82	yes	no
36	104L	13C-22'466'-PeCB	27:46	1.579e+04	9.425e+03	1.67	yes	no
37	123L	13C-2'344'5-PeCB	38:23	1.317e+04	8.730e+03	1.51	yes	no
38	118L	13C-23'44'5-PeCB	38:43	1.380e+04	8.855e+03	1.56	yes	no
39	114L	13C-2344'5-PeCB	39:15	1.315e+04	8.501e+03	1.55	yes	no
40	105L	13C-233'44'-PeCB	39:54	1.289e+04	8.177e+03	1.58	yes	no
41	126L	13C-33'44'5-PeCB	43:00	1.138e+04	7.376e+03	1.54	yes	no
42	155L	13C-22'44'66'-HxCB	33:29	1.793e+04	1.432e+04	1.25	yes	no
43	167L	13C-23'44'55'-HxCB	44:52	8.115e+03	6.450e+03	1.26	yes	no
44	156/7	13C-233'44'5'-HxCB	46:01	1.503e+04	1.194e+04	1.26	yes	no
45	169L	13C-33'44'55'-HxCB	49:16	6.419e+03	5.220e+03	1.23	yes	no
46	188L	13C-22'34'566'-HpCB	39:14	1.377e+04	1.294e+04	1.06	yes	no
47	189L	13C-233'44'55'-HpCB	51:46	7.085e+03	6.755e+03	1.05	yes	no
48	202L	13C-22'33'55'66'-OcCB	44:36	9.257e+03	1.036e+04	0.89	yes	no
49	205L	13C-233'44'55'6-OcCB	54:20	6.886e+03	7.818e+03	0.88	yes	no
50	208L	13C-22'33'4'55'66'-NoCB	51:16	6.607e+03	8.428e+03	0.78	yes	no
51	206L	13C-22'33'44'55'6-NoCB	56:04	4.391e+03	5.648e+03	0.78	yes	no
52	209L	13C-DeCB	57:39	7.788e+03	6.619e+03	1.18	yes	no

53	28L	13C-244'-TrCB	24:58	1.579e+04	1.488e+04	1.06	yes	no
54	111L	13C-233'55'-PeCB	36:26	1.786e+04	1.134e+04	1.57	yes	no
55	178L	13C-22'33'55'6-HpCB	42:17	8.386e+03	7.929e+03	1.06	yes	no
56	9L	13C-2,5-DiCB	17:55	1.713e+04	1.113e+04	1.54	yes	no
57	52L	13C-22'55'-TeCB	26:49	1.043e+04	1.358e+04	0.77	yes	no
58	101L	13C-22'4'55'-PeCB	33:43	1.473e+04	9.509e+03	1.55	yes	no
59	138L	13C-22'3'44'5'-HxCB	41:50	1.155e+04	9.168e+03	1.26	yes	no
60	194L	13C-22'33'44'55'-OcCB	53:51	5.039e+03	5.634e+03	0.89	yes	no

Columbia Analytical Services, Inc.
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Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
CCAL CS3

Run #7 Filename U142174#1 Samp: 1 Inj: 1 Acquired: 26-NOV-11 06:46:31

Processed: 28-NOV-11 14:57:24 LAB. ID: CCAL CS3

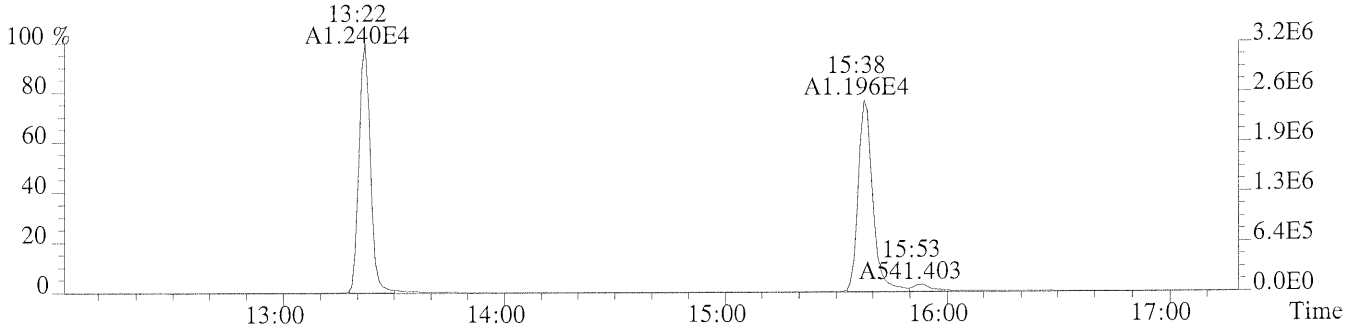
	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2-MoCB	3.20e+06	1.49e+03	2.1e+03	1.02e+06	9.16e+02	1.1e+03
2	4-MoCB	2.45e+06	1.49e+03	1.6e+03	7.75e+05	9.16e+02	8.5e+02
3	22'-DiCB	2.03e+06	1.73e+03	1.2e+03	1.29e+06	1.02e+04	1.3e+02
4	44'-DiCB	1.46e+06	1.87e+03	7.8e+02	9.10e+05	2.56e+04	3.6e+01
5	22'6'-TrCB	1.11e+06	1.55e+03	7.2e+02	1.10e+06	1.04e+03	1.1e+03
6	344'-TrCB	1.10e+06	1.51e+03	7.3e+02	1.10e+06	1.18e+03	9.4e+02
7	22'66'-TeCB	9.98e+05	1.02e+03	9.8e+02	1.21e+06	9.56e+02	1.3e+03
8	344'5-TeCB	8.58e+05	7.08e+02	1.2e+03	1.10e+06	7.96e+02	1.4e+03
9	33'44'-TeCB	7.79e+05	7.08e+02	1.1e+03	9.72e+05	7.96e+02	1.2e+03
10	22'466'-PeCB	1.46e+06	9.04e+02	1.6e+03	9.53e+05	1.20e+03	7.9e+02
11	2'344'5-PeCB	1.14e+06	1.21e+04	9.4e+01	7.51e+05	6.35e+03	1.2e+02
12	23'44'5-PeCB	1.14e+06	1.21e+04	9.4e+01	7.47e+05	6.35e+03	1.2e+02
13	2344'5-PeCB	1.09e+06	1.21e+04	9.0e+01	7.07e+05	6.35e+03	1.1e+02
14	233'44'-PeCB	1.05e+06	1.21e+04	8.6e+01	6.47e+05	6.35e+03	1.0e+02
15	33'44'5-PeCB	9.09e+05	1.21e+04	7.5e+01	5.85e+05	6.35e+03	9.2e+01
16	22'44'66'-HxCB	1.62e+06	1.22e+03	1.3e+03	1.40e+06	1.34e+03	1.0e+03
17	23'44'55'-HxCB	8.63e+05	1.56e+03	5.5e+02	6.53e+05	1.70e+03	3.8e+02
18	233'44'5-HxCB	1.22e+06	1.56e+03	7.8e+02	9.90e+05	1.70e+03	5.8e+02
19	33'44'55'-HxCB	6.51e+05	1.56e+03	4.2e+02	5.27e+05	1.70e+03	3.1e+02
20	22'34'566'-HpCB	1.17e+06	1.42e+03	8.2e+02	1.21e+06	8.40e+02	1.4e+03
21	233'44'55'-HpCB	6.83e+05	1.32e+03	5.2e+02	6.32e+05	1.75e+03	3.6e+02
22	22'33'55'66'-OcCB	9.06e+05	1.16e+03	7.8e+02	1.03e+06	1.42e+03	7.3e+02
23	233'44'55'6-OcCB	6.63e+05	1.16e+03	5.7e+02	7.74e+05	1.42e+03	5.4e+02
24	22'33'4'55'66'-NoCB	6.39e+05	1.70e+03	3.8e+02	8.47e+05	1.07e+03	7.9e+02
25	22'33'44'55'6-NoCB	3.66e+05	2.78e+03	1.3e+02	4.82e+05	1.16e+03	4.2e+02
26	DeCB	6.88e+05	2.00e+03	3.4e+02	5.57e+05	1.41e+03	3.9e+02
27	13C-2-MoCB	6.77e+06	1.47e+03	4.6e+03	2.28e+06	7.96e+03	2.9e+02
28	13C-4-MoCB	5.14e+06	1.47e+03	3.5e+03	1.71e+06	7.96e+03	2.1e+02
29	13C-22'-DiCB	3.57e+06	1.71e+03	2.1e+03	2.25e+06	1.02e+03	2.2e+03
30	13C-44'-DiCB	3.08e+06	1.90e+03	1.6e+03	2.00e+06	1.80e+03	1.1e+03
31	13C-22'6'-TrCB	2.16e+06	1.35e+04	1.6e+02	2.15e+06	7.18e+03	3.0e+02
32	13C-344'-TrCB	2.16e+06	1.81e+04	1.2e+02	2.04e+06	1.37e+04	1.5e+02
33	13C-22'66'-TeCB	1.75e+06	3.66e+03	4.8e+02	2.15e+06	1.20e+03	1.8e+03
34	13C-344'5-TeCB	1.63e+06	2.03e+03	8.0e+02	2.13e+06	1.01e+03	2.1e+03
35	13C-33'44'-TeCB	1.59e+06	2.03e+03	7.8e+02	1.93e+06	1.01e+03	1.9e+03
36	13C-22'466'-PeCB	2.93e+06	8.08e+02	3.6e+03	1.74e+06	8.60e+02	2.0e+03
37	13C-2'344'5-PeCB	2.28e+06	4.59e+03	5.0e+02	1.51e+06	3.01e+03	5.0e+02
38	13C-23'44'5-PeCB	2.38e+06	4.59e+03	5.2e+02	1.53e+06	3.01e+03	5.1e+02
39	13C-2344'5-PeCB	2.27e+06	4.59e+03	4.9e+02	1.45e+06	3.01e+03	4.8e+02
40	13C-233'44'-PeCB	2.16e+06	4.59e+03	4.7e+02	1.40e+06	3.01e+03	4.7e+02
41	13C-33'44'5-PeCB	1.85e+06	4.59e+03	4.0e+02	1.20e+06	3.01e+03	4.0e+02
42	13C-22'44'66'-HxCB	3.31e+06	1.18e+03	2.8e+03	2.63e+06	1.33e+03	2.0e+03
43	13C-23'44'55'-HxCB	1.74e+06	1.03e+03	1.7e+03	1.35e+06	1.60e+03	8.4e+02
44	13C-233'44'5'-HxCB	2.42e+06	1.03e+03	2.3e+03	1.93e+06	1.60e+03	1.2e+03
45	13C-33'44'55'-HxCB	1.30e+06	1.03e+03	1.3e+03	1.05e+06	1.60e+03	6.5e+02
46	13C-22'34'566'-HpCB	2.42e+06	1.15e+03	2.1e+03	2.33e+06	7.16e+02	3.3e+03
47	13C-233'44'55'-HpCB	1.47e+06	1.58e+03	9.4e+02	1.39e+06	1.33e+03	1.0e+03
48	13C-22'33'55'66'-OcCB	1.95e+06	8.04e+02	2.4e+03	2.20e+06	1.16e+03	1.9e+03
49	13C-233'44'55'6-OcCB	1.40e+06	8.04e+02	1.7e+03	1.57e+06	1.16e+03	1.3e+03

Run #7 Filename U142174#1 Samp: 1 Acquired: 26-NOV-11 06:46:31

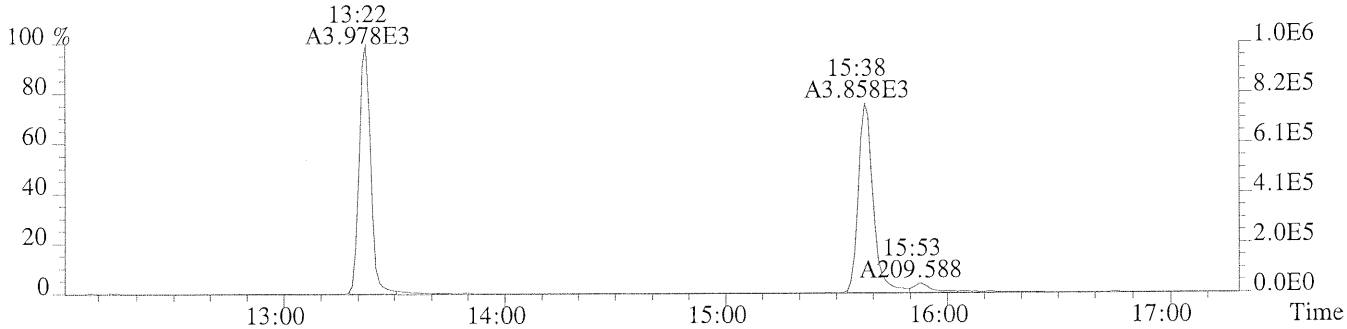
50	13C-22'33'4'55'66'-NoCB	1.34e+06	7.48e+02	1.8e+03	1.76e+06	1.10e+03	1.6e+03
51	13C-22'33'44'55'6-NoCB	8.00e+05	1.88e+03	4.3e+02	1.03e+06	1.42e+03	7.3e+02
52	13C-DeCB	1.39e+06	1.38e+03	1.0e+03	1.21e+06	1.64e+03	7.4e+02
53	13C-244'-TrCB	2.64e+06	1.81e+04	1.5e+02	2.56e+06	1.37e+04	1.9e+02
54	13C-233'55'-PeCB	3.21e+06	1.78e+03	1.8e+03	2.03e+06	1.60e+03	1.3e+03
55	13C-22'33'55'6-HpCB	1.47e+06	1.15e+03	1.3e+03	1.42e+06	7.16e+02	2.0e+03
56	13C-2,5-DiCB	3.70e+06	1.90e+03	1.9e+03	2.38e+06	1.80e+03	1.3e+03
57	13C-22'55'-TeCB	1.92e+06	2.40e+03	8.0e+02	2.45e+06	1.23e+03	2.0e+03
58	13C-22'4'55'-PeCB	2.66e+06	1.78e+03	1.5e+03	1.76e+06	1.60e+03	1.1e+03
59	13C-22'3'44'5'-HxCB	2.05e+06	1.09e+03	1.9e+03	1.62e+06	1.09e+03	1.5e+03
60	13C-22'33'44'55'-OcCB	1.02e+06	8.04e+02	1.3e+03	1.15e+06	1.16e+03	9.9e+02

File:U142174 #1-341 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

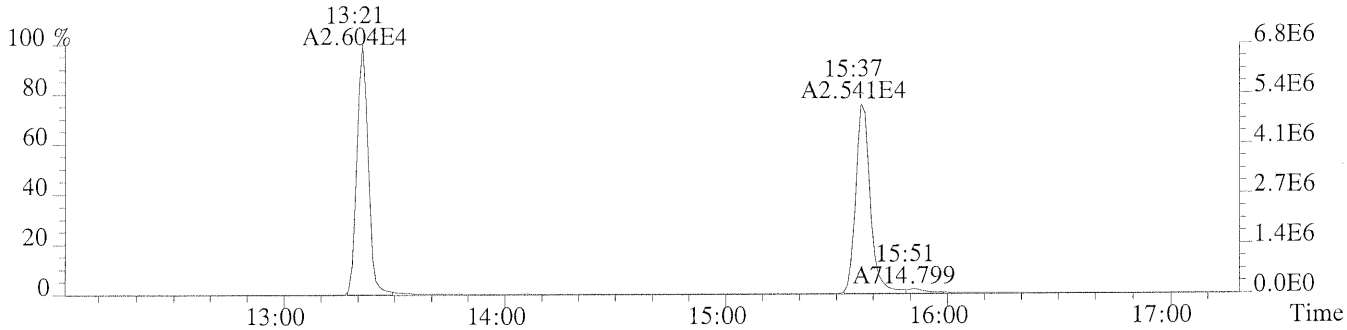
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1488.0,1.00%,F,T)



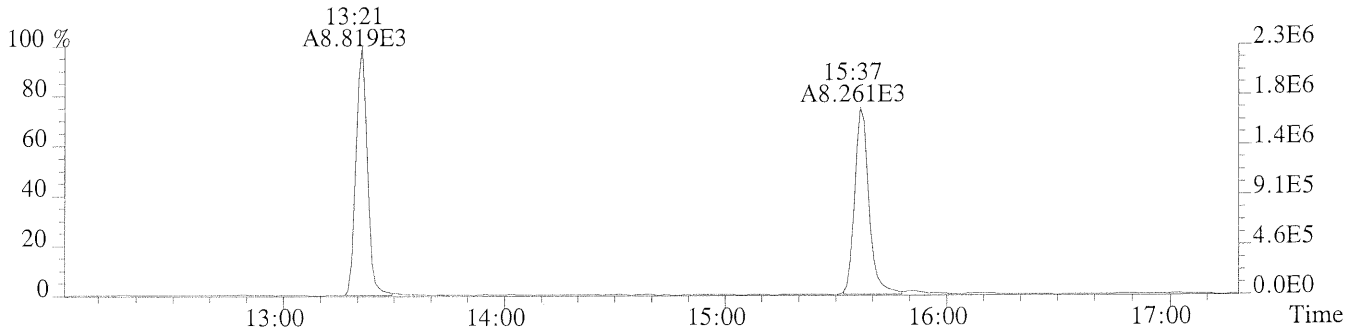
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,916.0,1.00%,F,T)



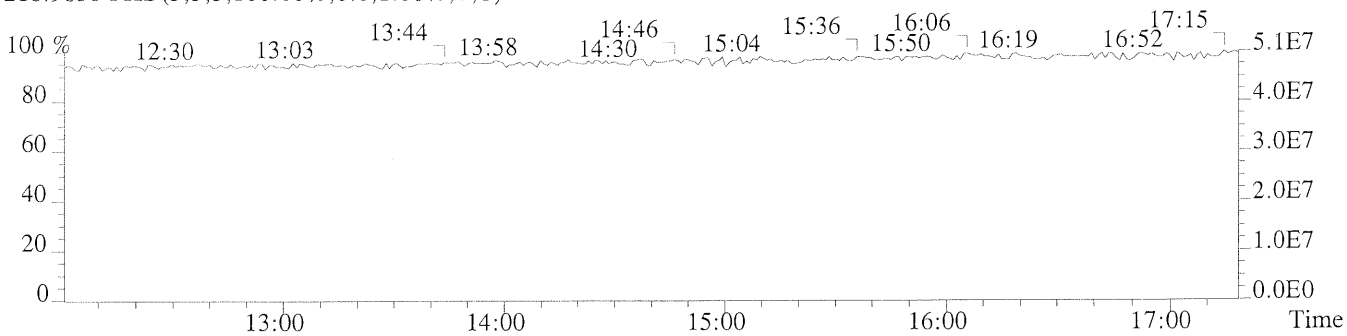
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1468.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7964.0,1.00%,F,T)

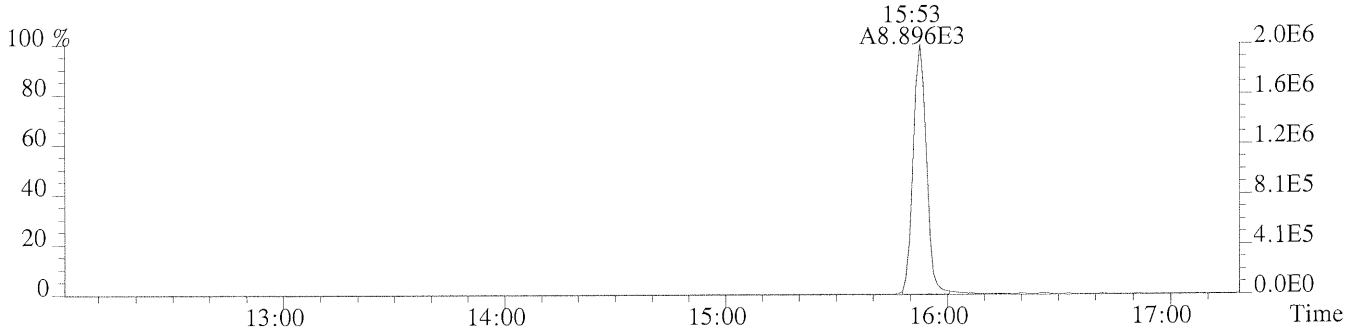


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

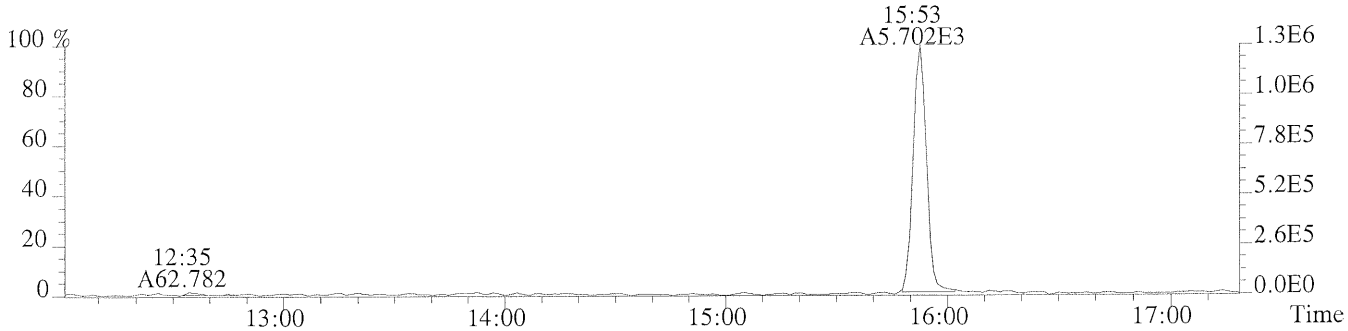


File:U142174 #1-341 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

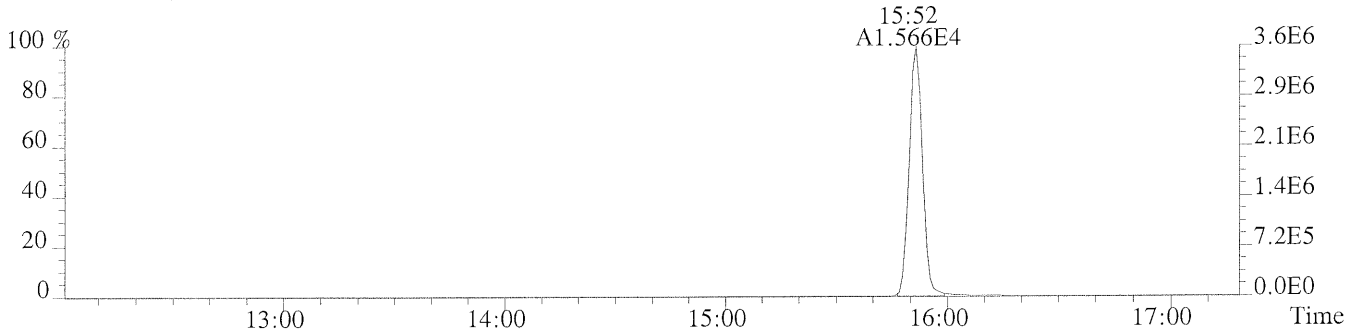
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1728.0,1.00%,F,T)



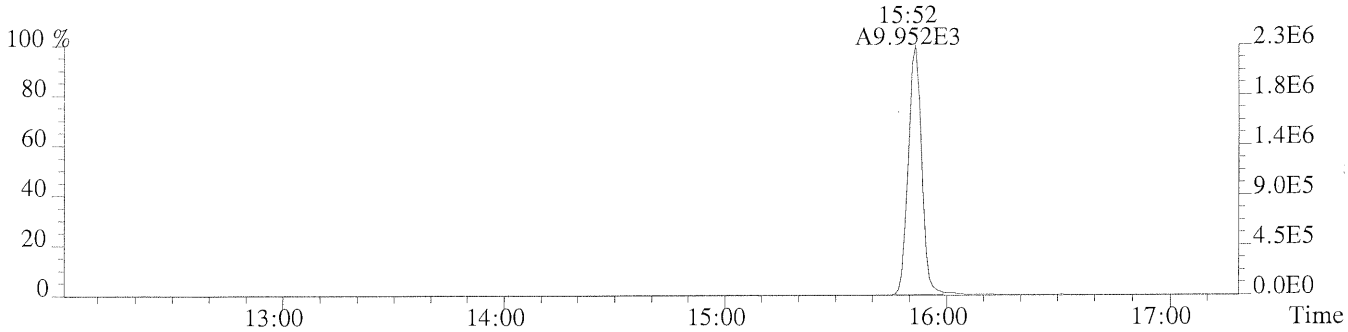
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10240.0,1.00%,F,T)



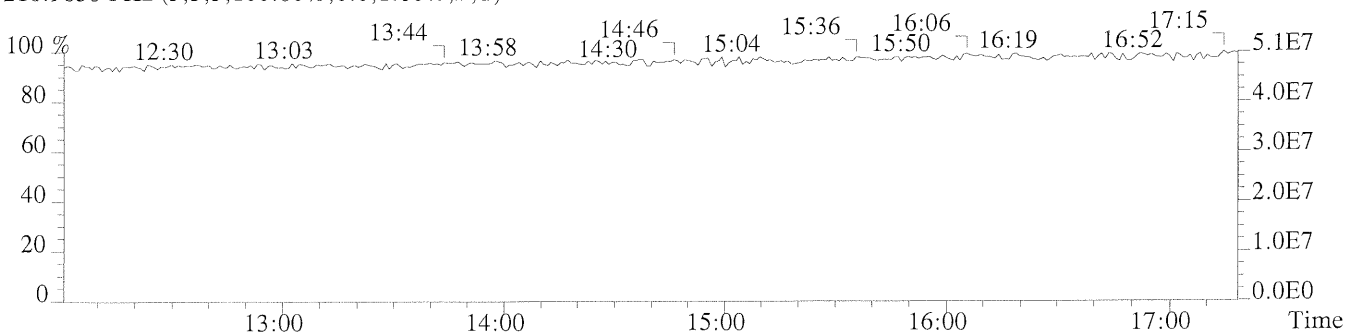
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1712.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1020.0,1.00%,F,T)

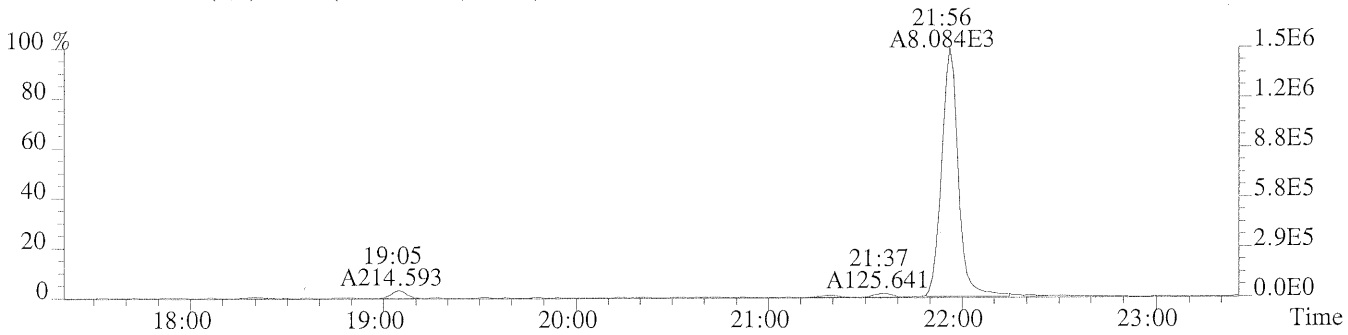


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

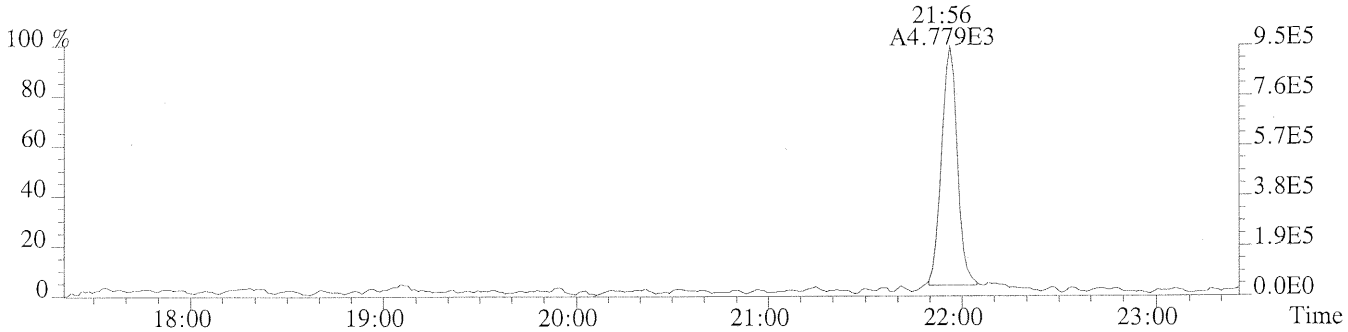


File:U142174 #1-336 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

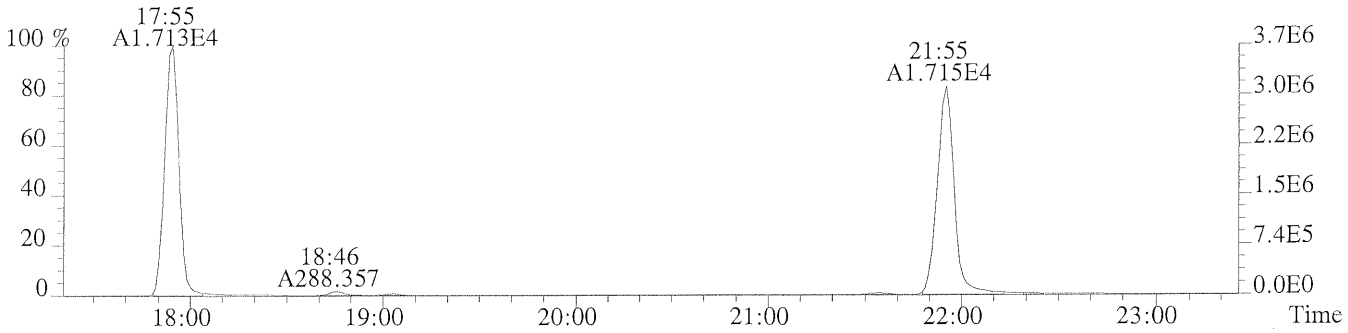
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1868.0,1.00%,F,T)



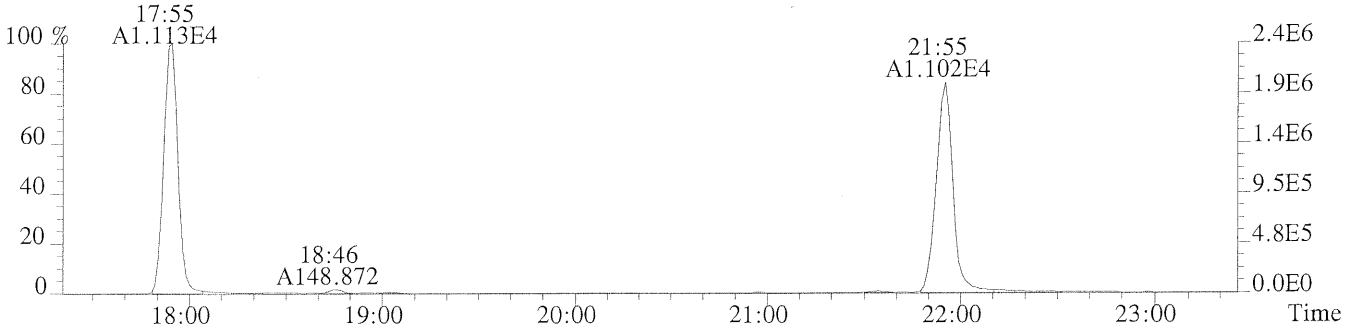
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,25632.0,1.00%,F,T)



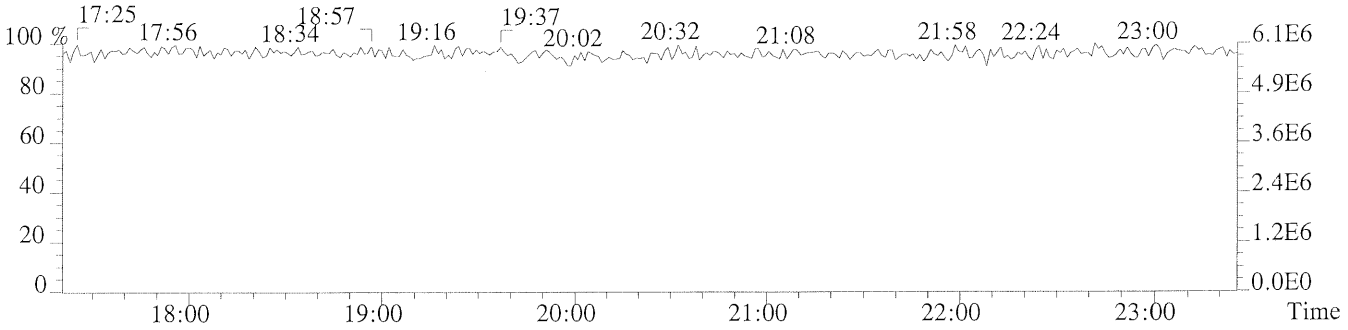
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1904.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1800.0,1.00%,F,T)

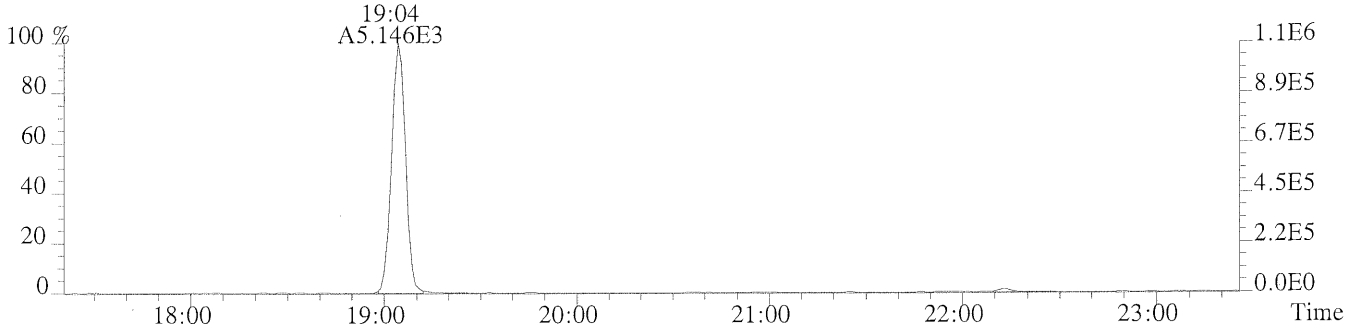


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

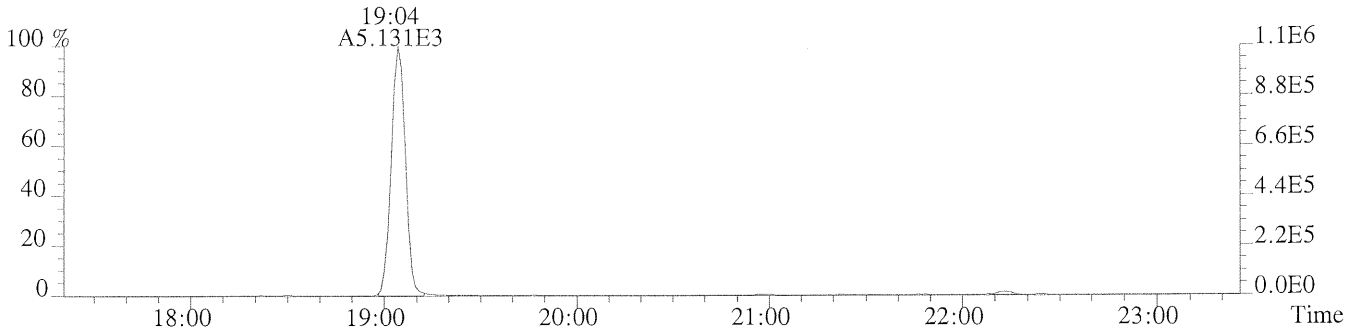


File:U142174 #1-336 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

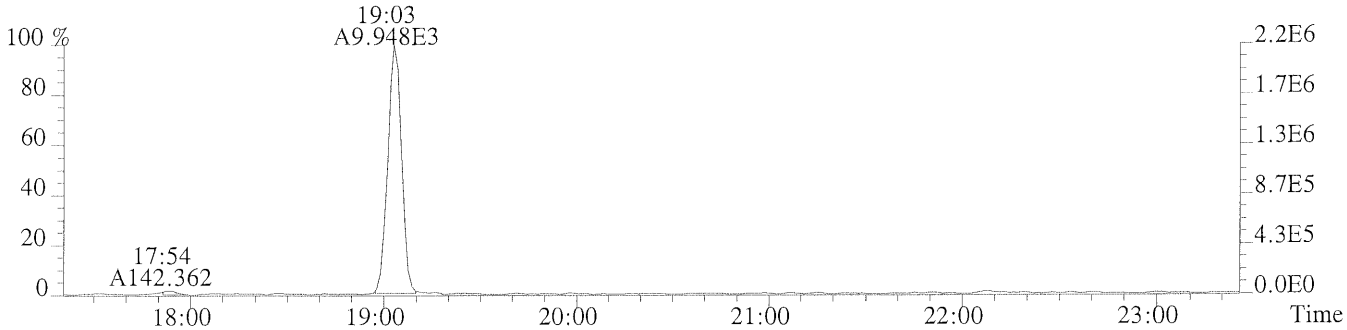
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1552.0,1.00%,F,T)



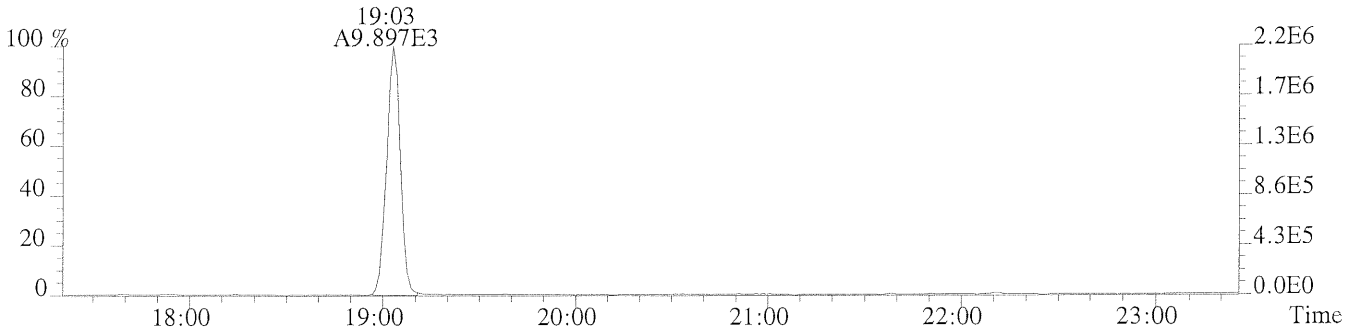
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



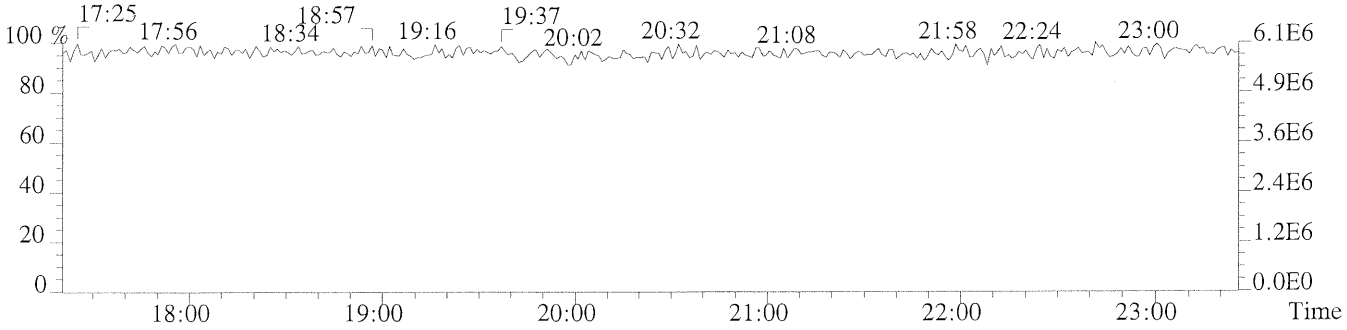
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13476.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7180.0,1.00%,F,T)

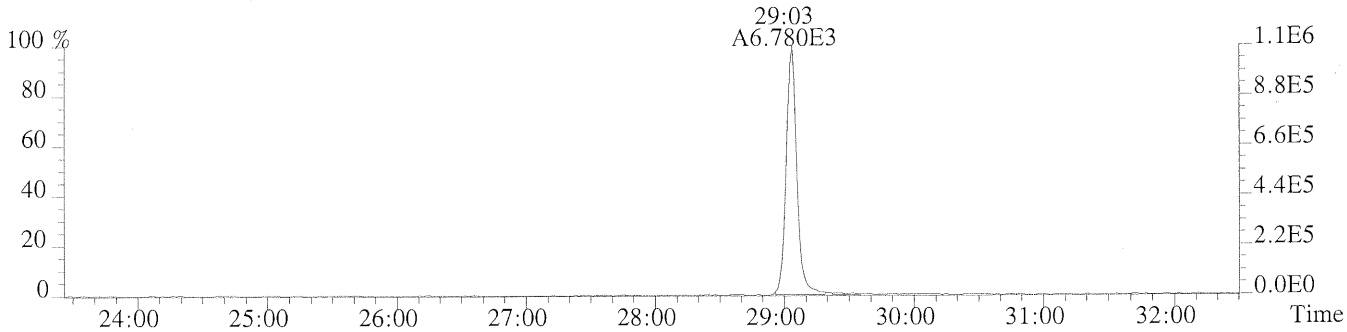


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

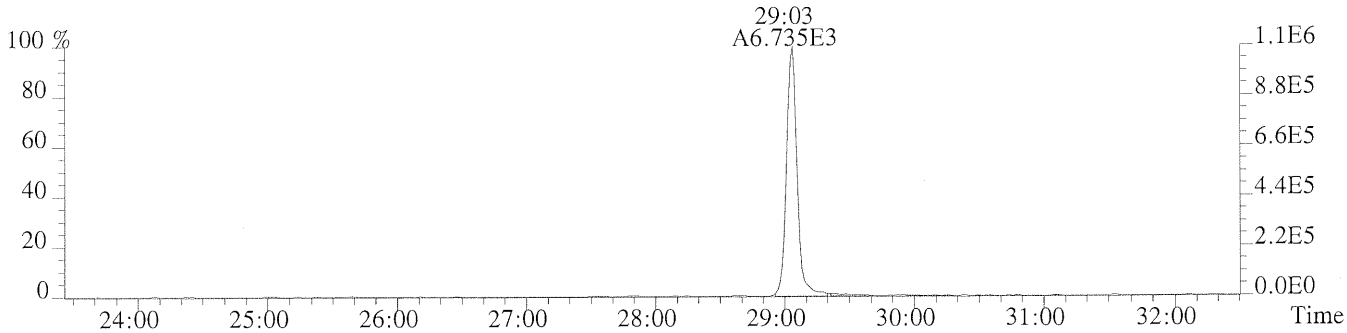


File:U142174 #1-580 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

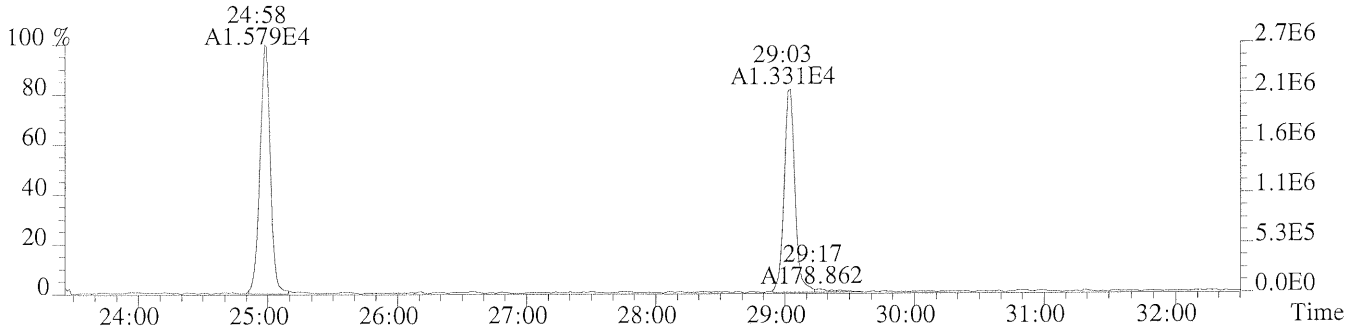
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1508.0,1.00%,F,T)



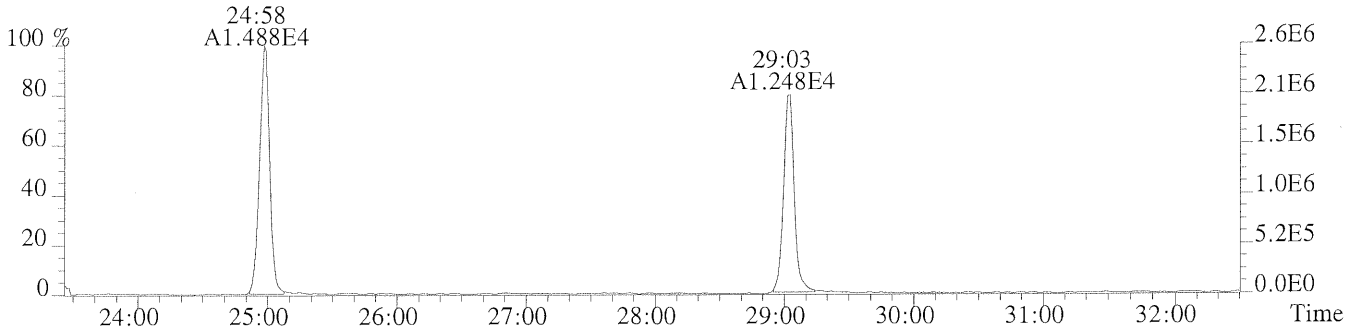
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1176.0,1.00%,F,T)



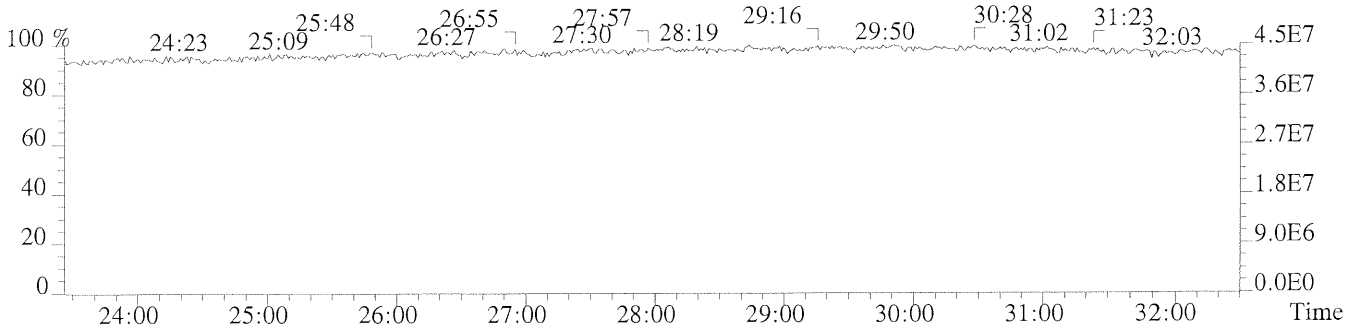
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18076.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13692.0,1.00%,F,T)

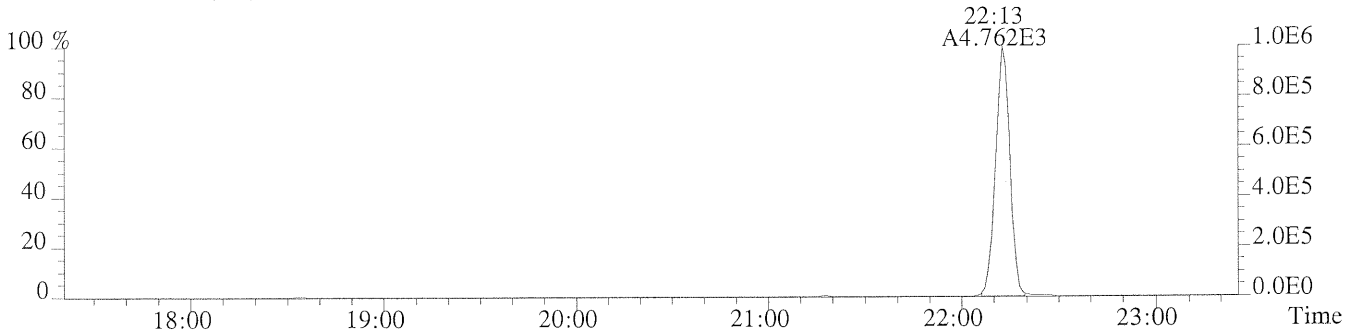


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

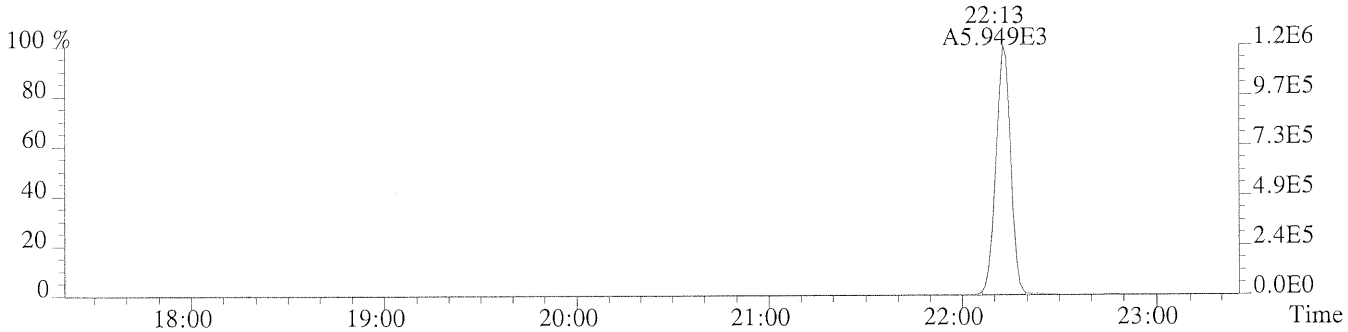


File:U142174 #1-336 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

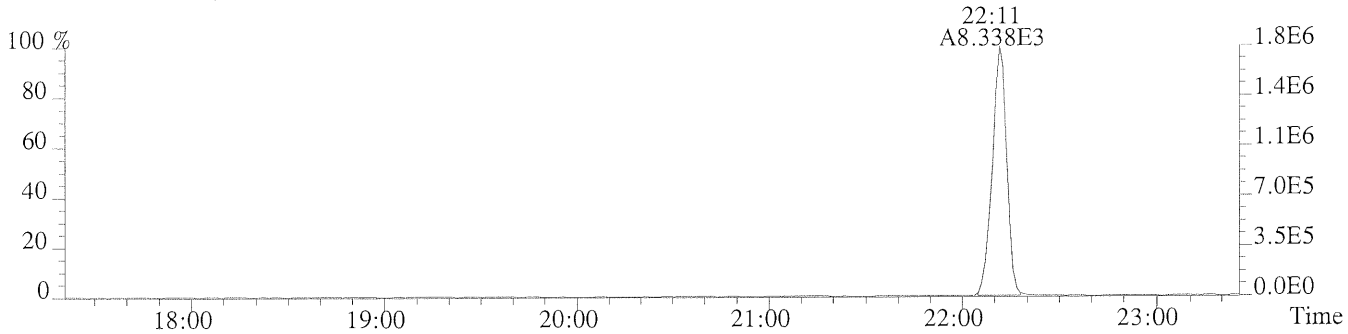
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1016.0,1.00%,F,T)



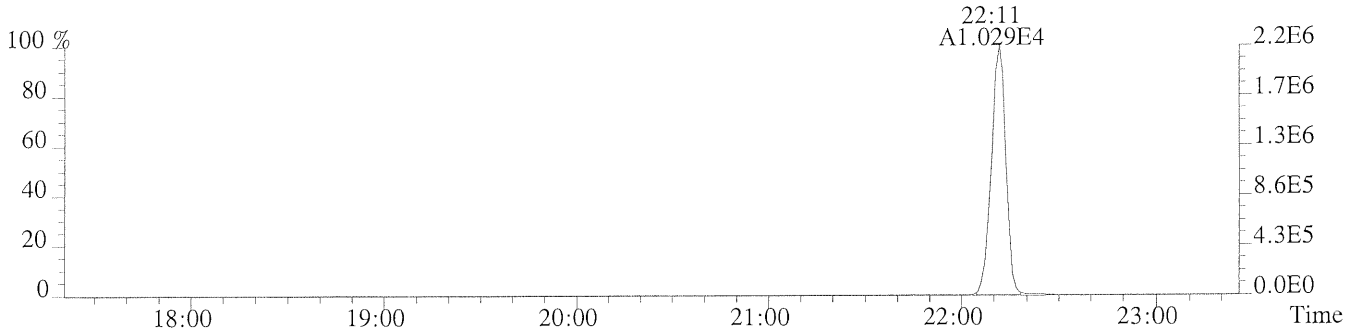
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,956.0,1.00%,F,T)



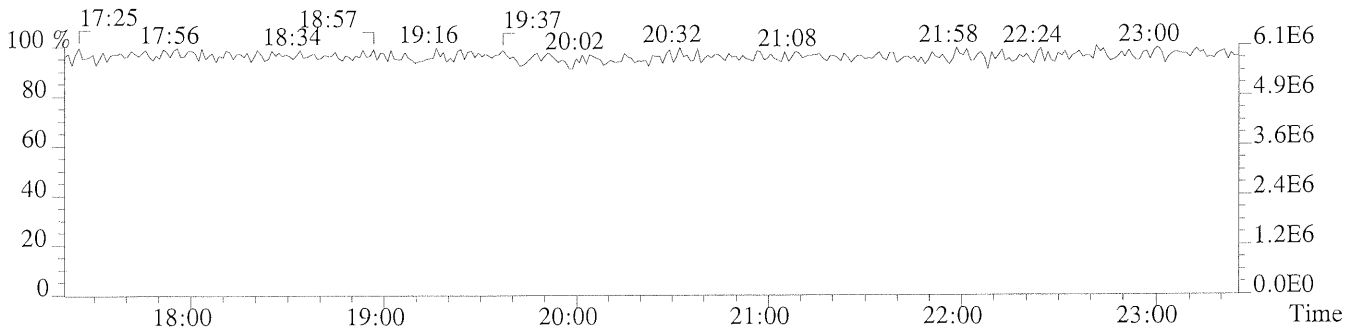
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3656.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1204.0,1.00%,F,T)

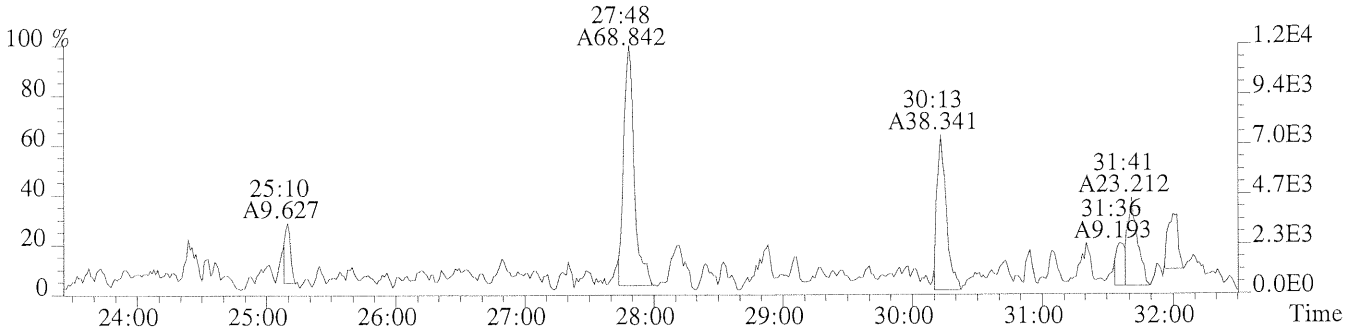


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

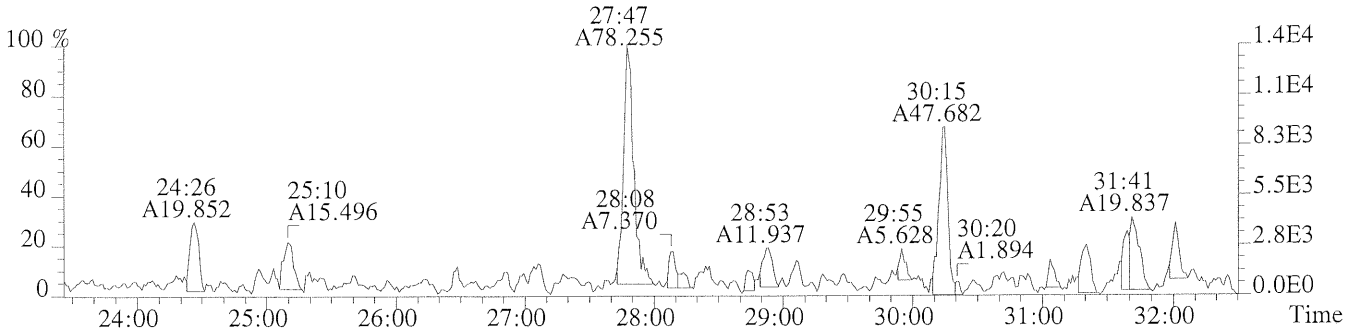


File:U142174 #1-580 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

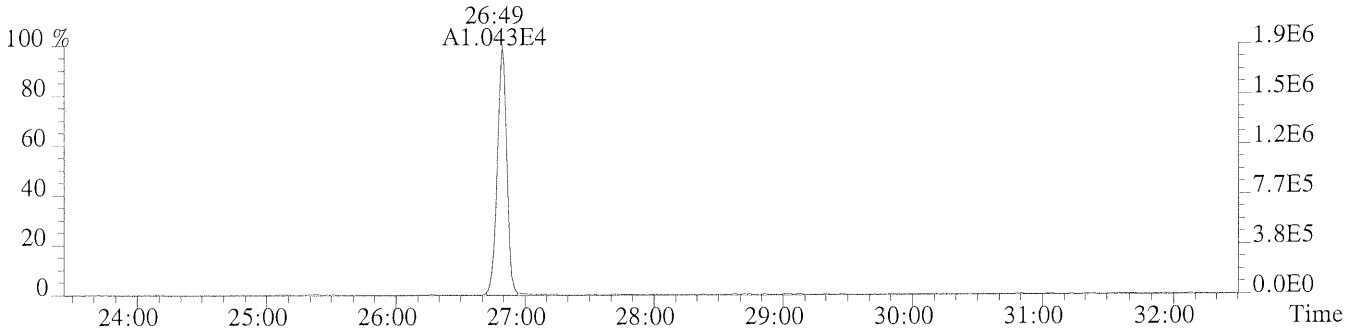
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1144.0,1.00%,F,T)



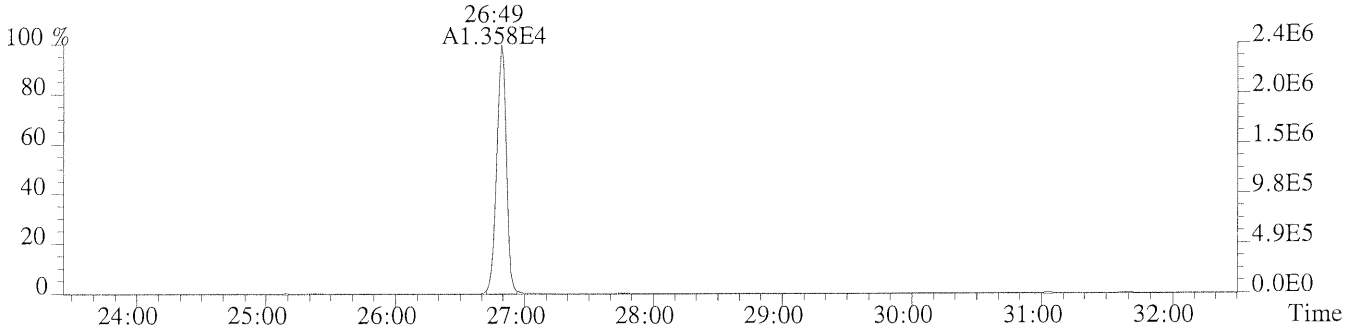
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,824.0,1.00%,F,T)



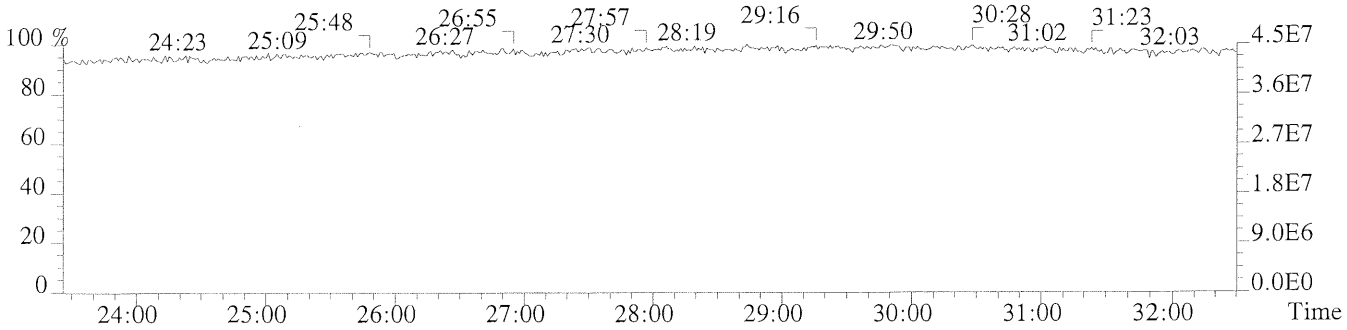
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2396.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)

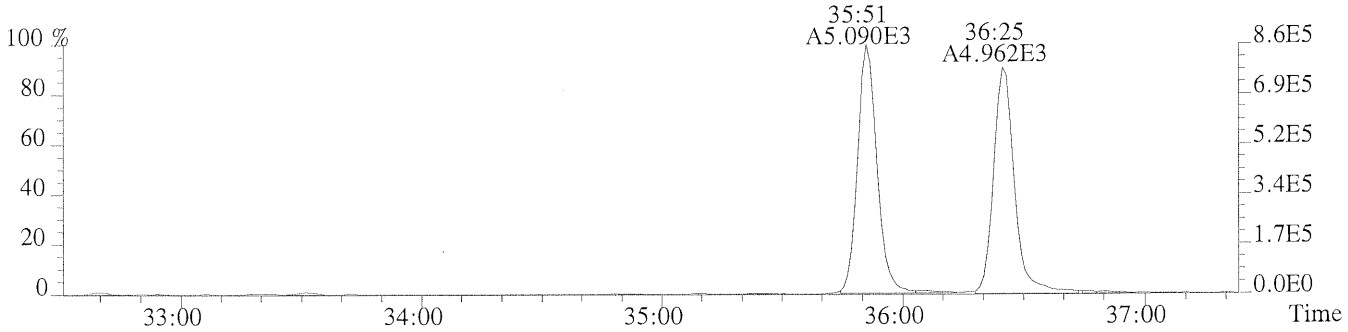


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

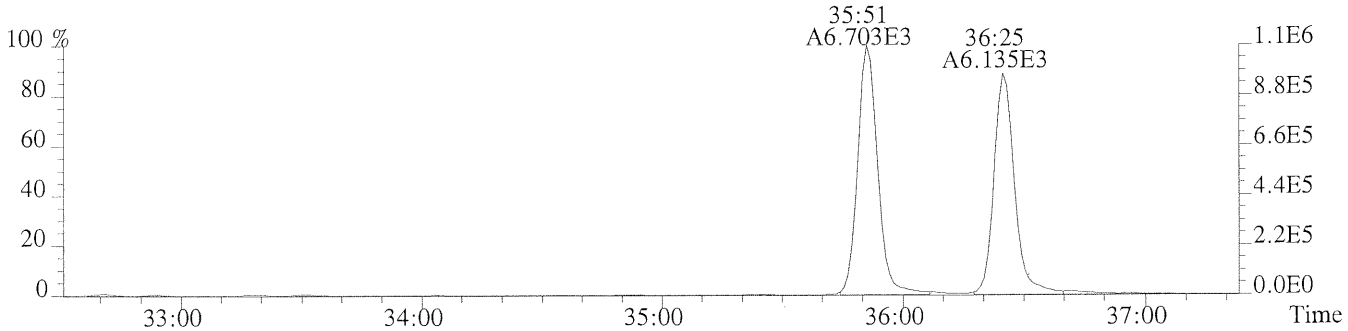


File:U142174 #1-312 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

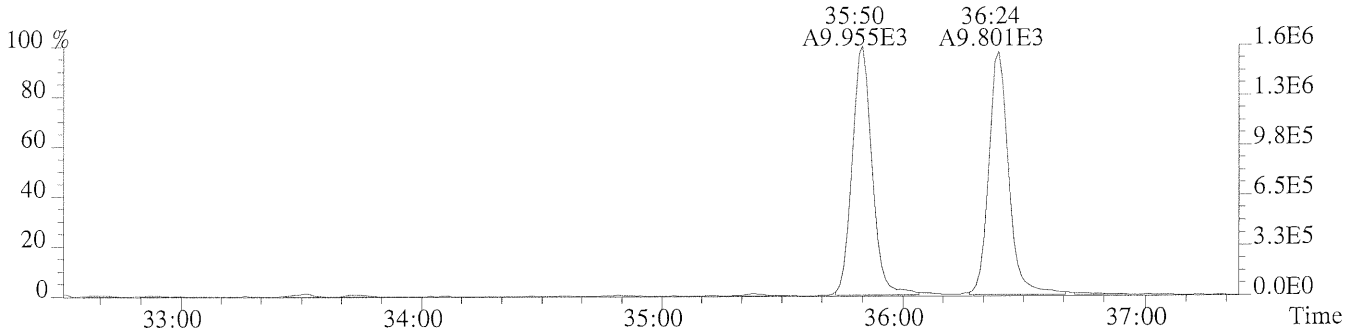
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,708.0,1.00%,F,T)



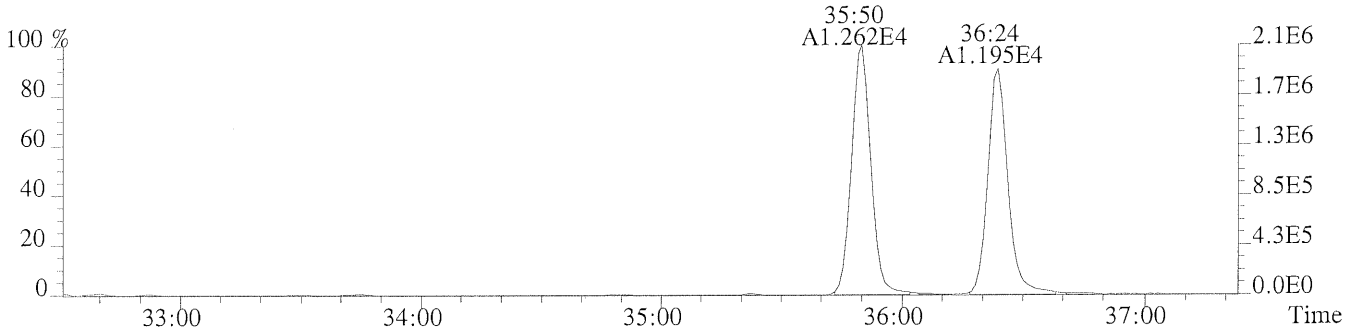
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)



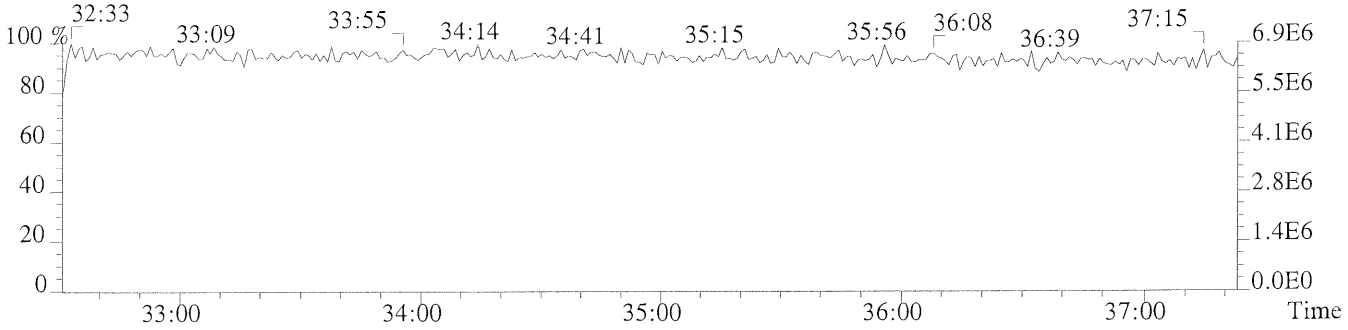
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2028.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1008.0,1.00%,F,T)

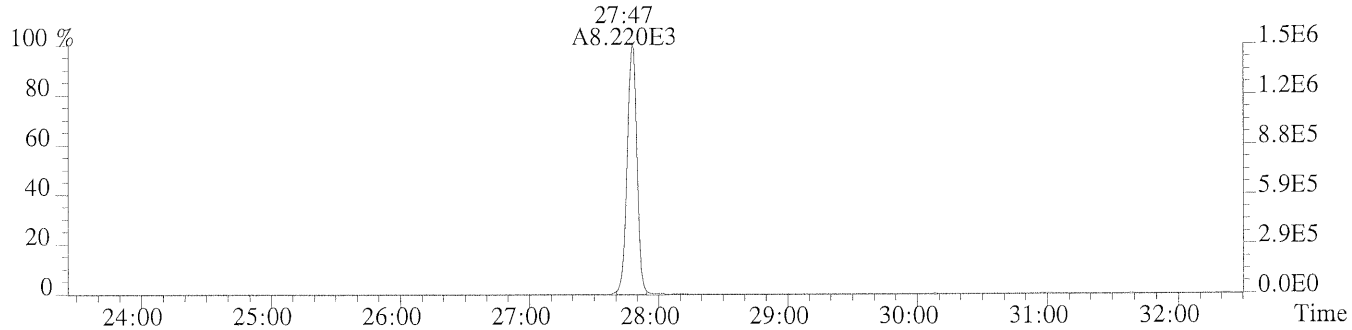


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

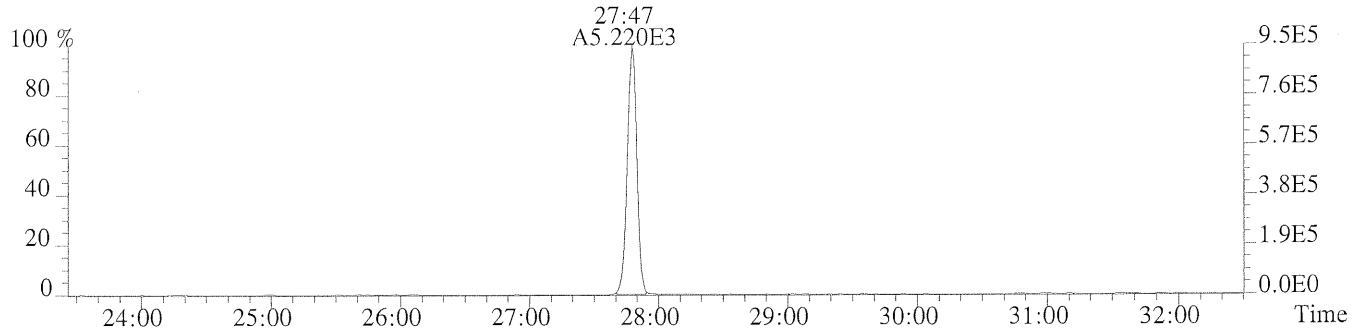


File:U142174 #1-580 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

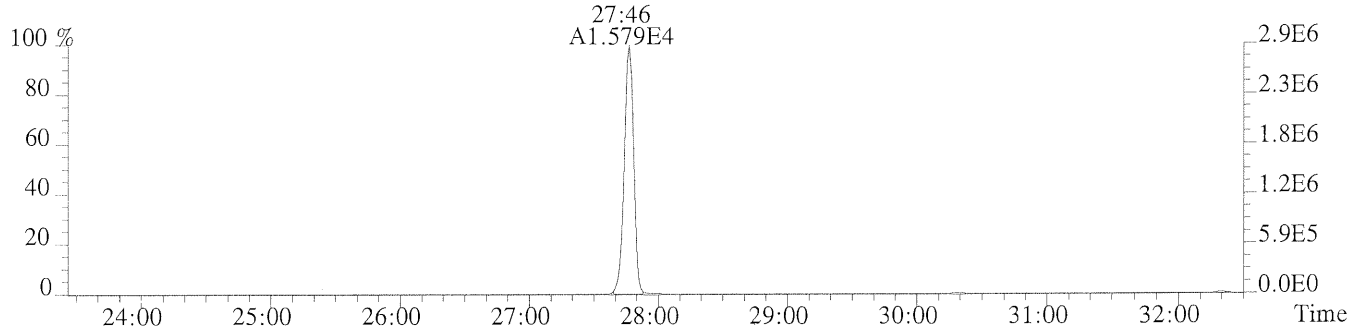
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)



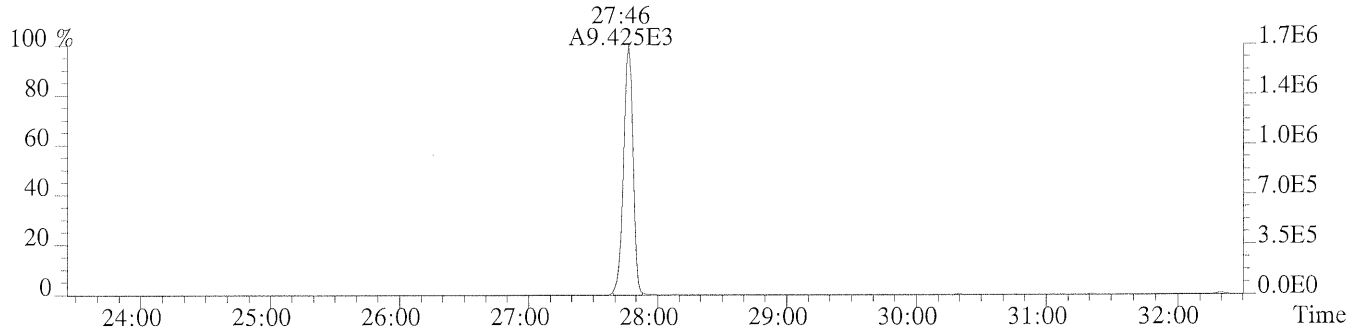
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1200.0,1.00%,F,T)



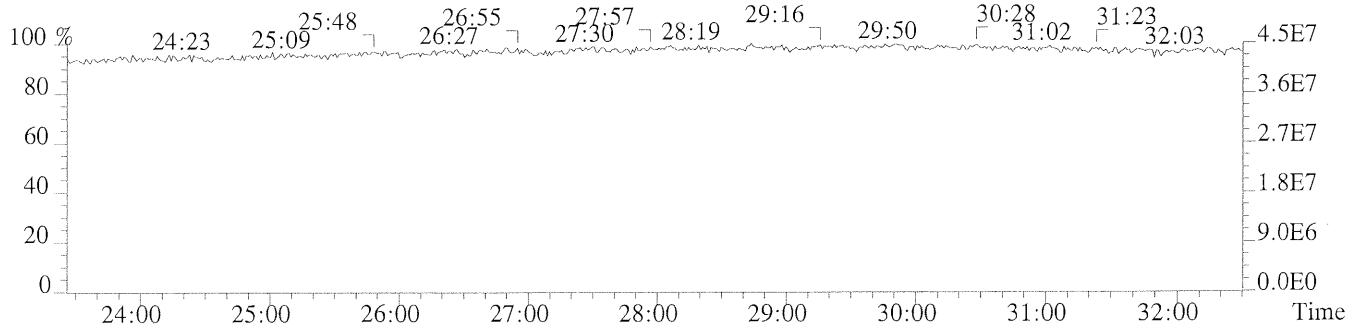
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,808.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)

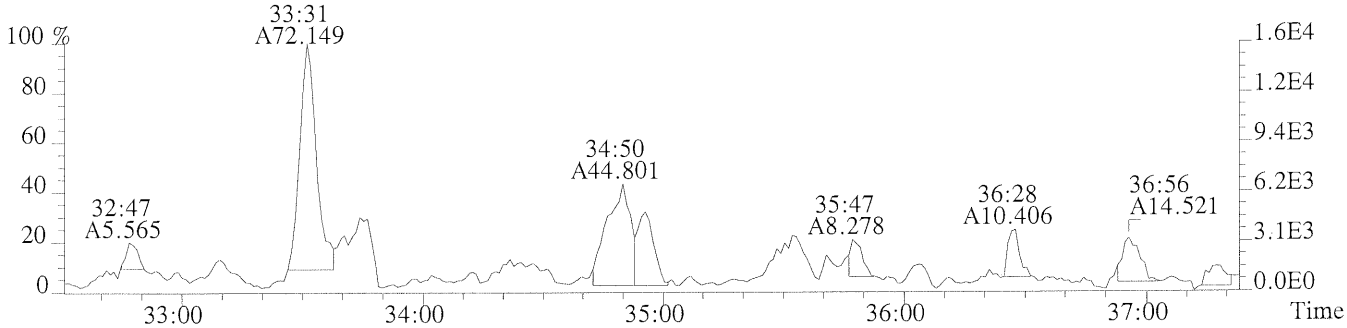


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

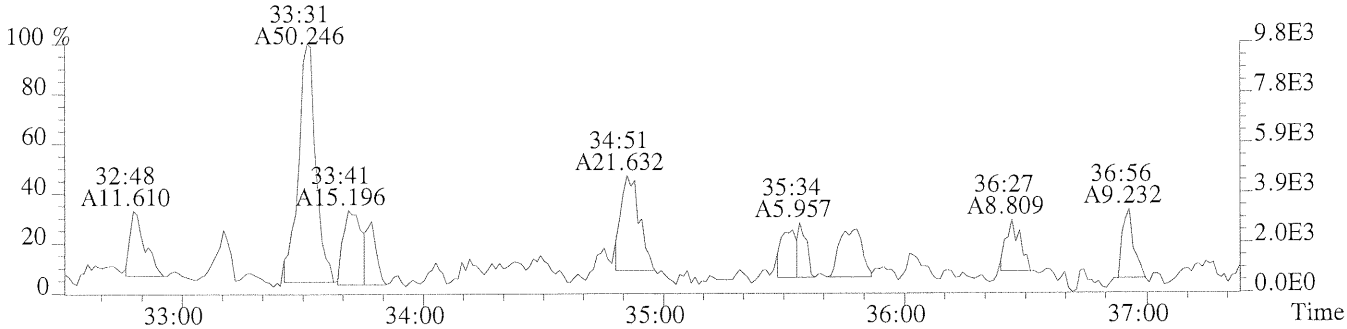


File:U142174 #1-312 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

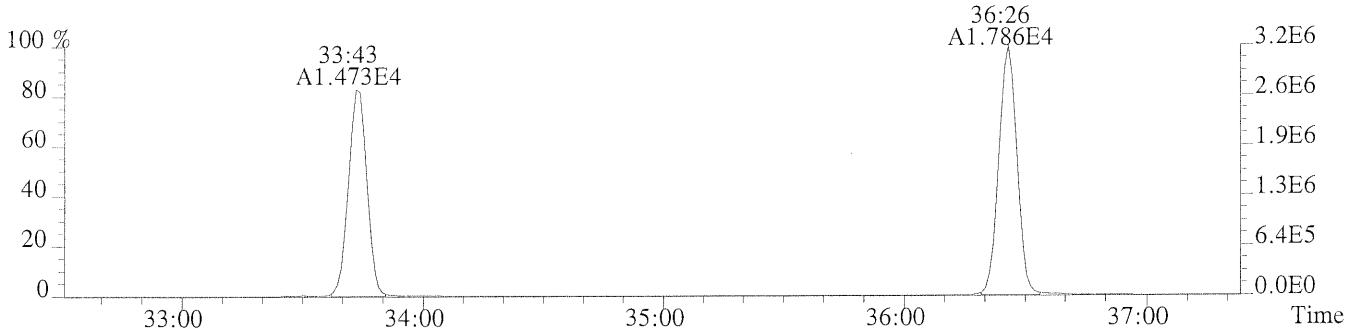
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)



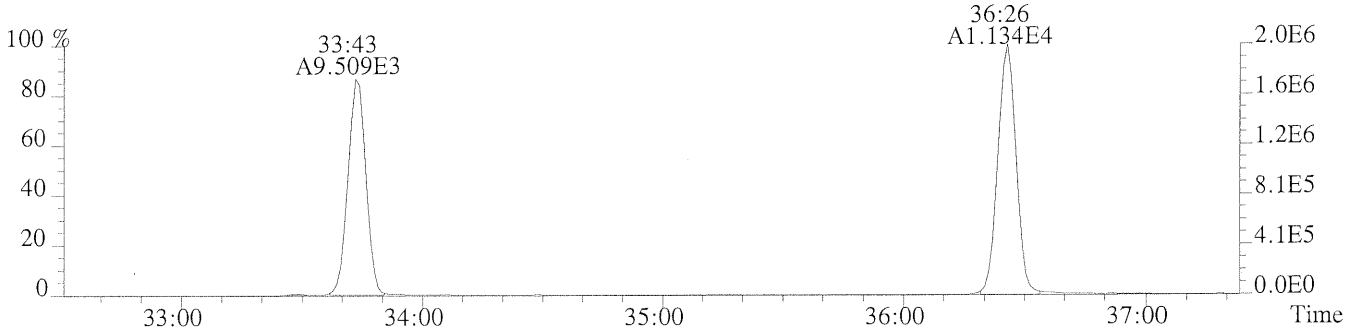
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,932.0,1.00%,F,T)



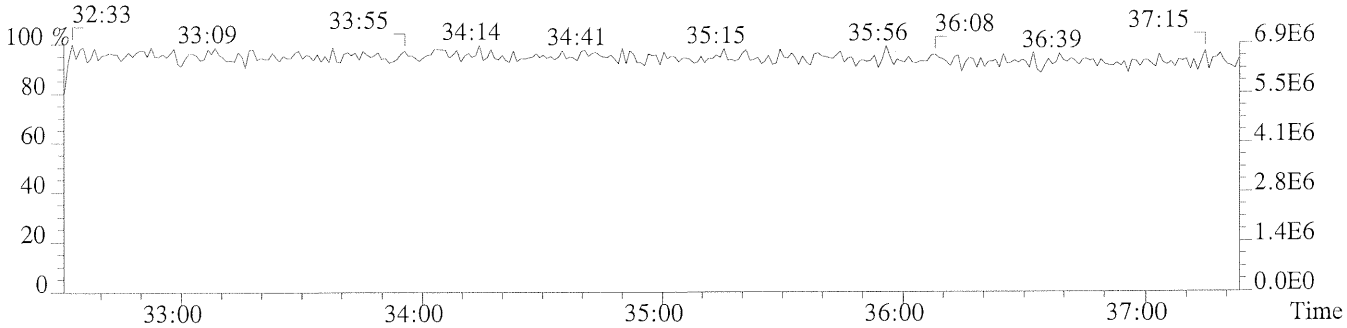
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1776.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1604.0,1.00%,F,T)

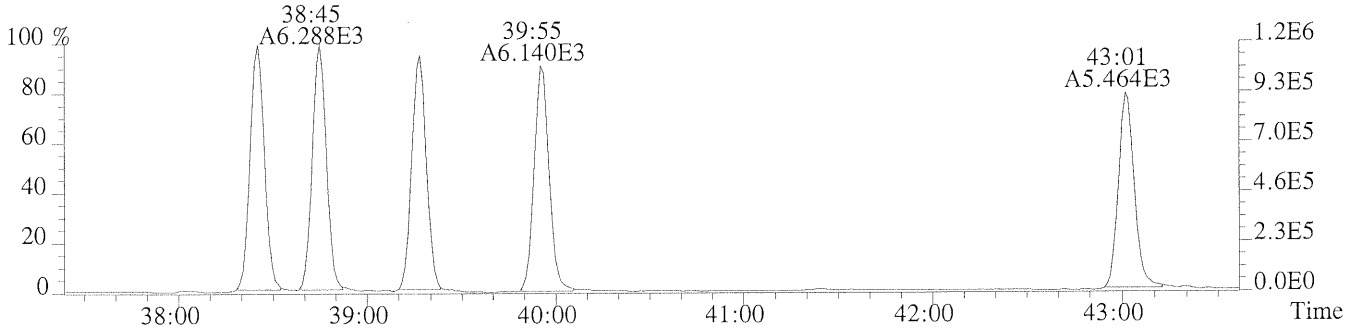


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

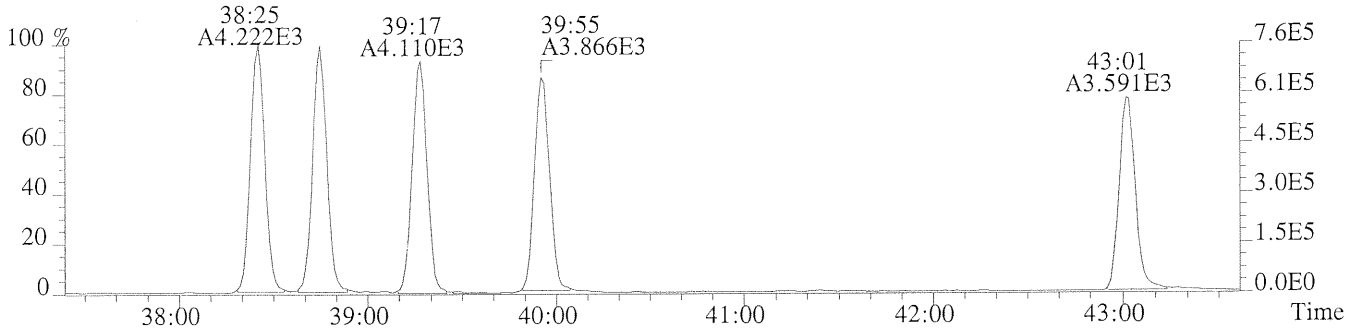


File:U142174 #1-398 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

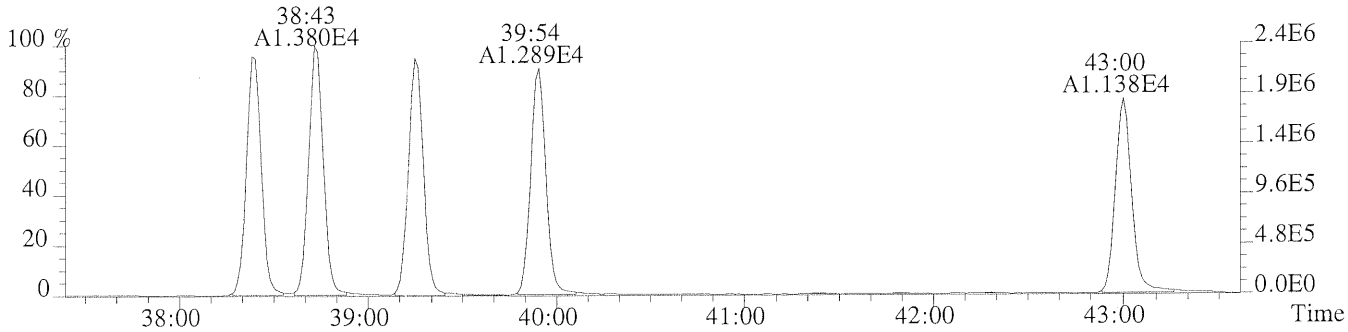
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12100.0,1.00%,F,T)



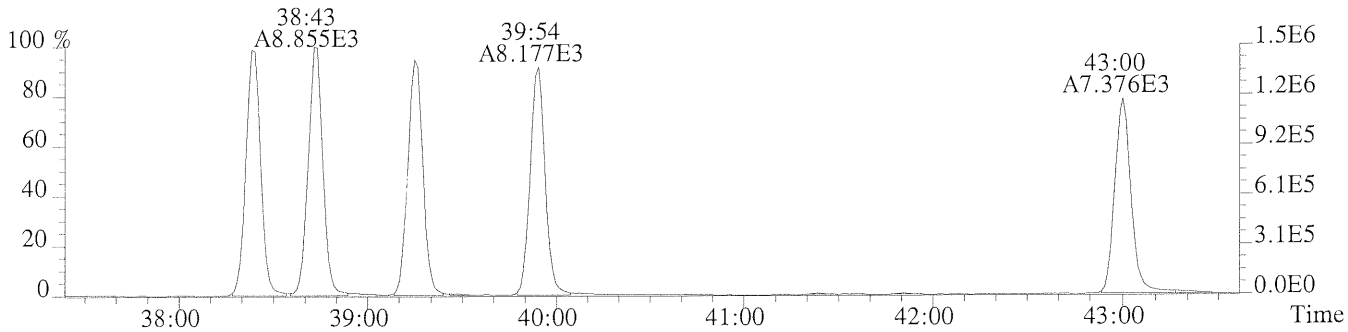
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6348.0,1.00%,F,T)



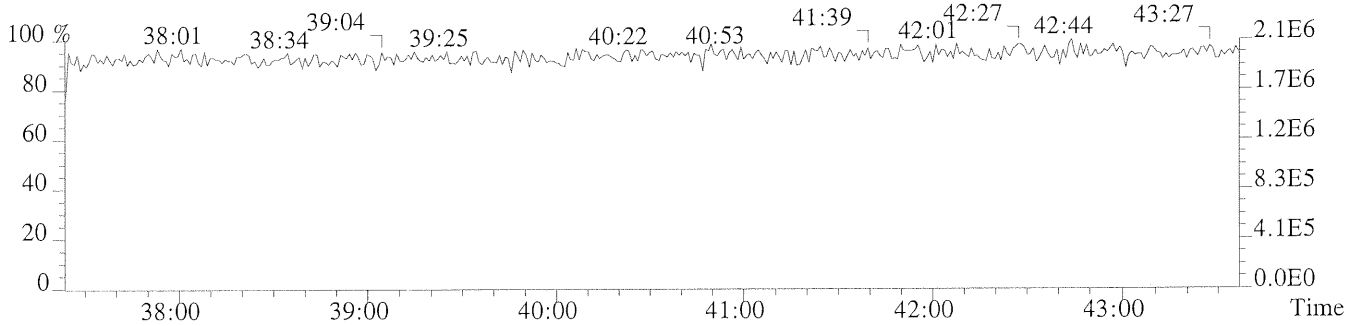
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4592.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3008.0,1.00%,F,T)

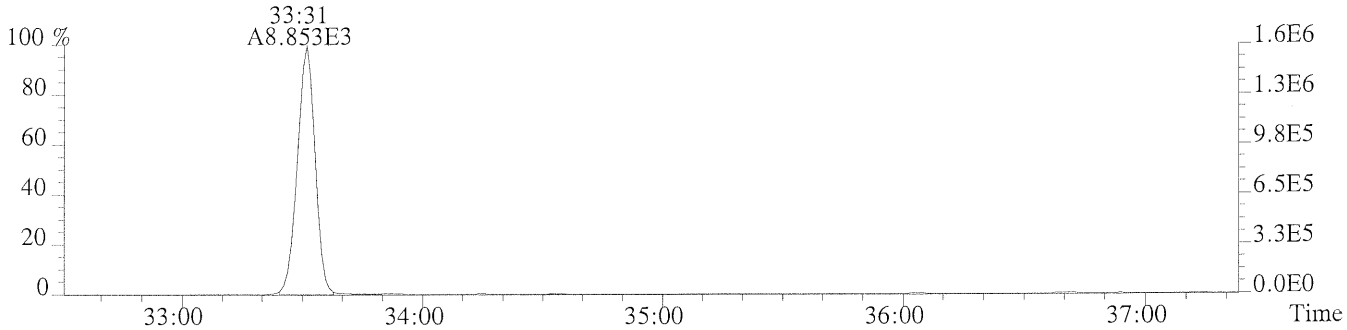


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

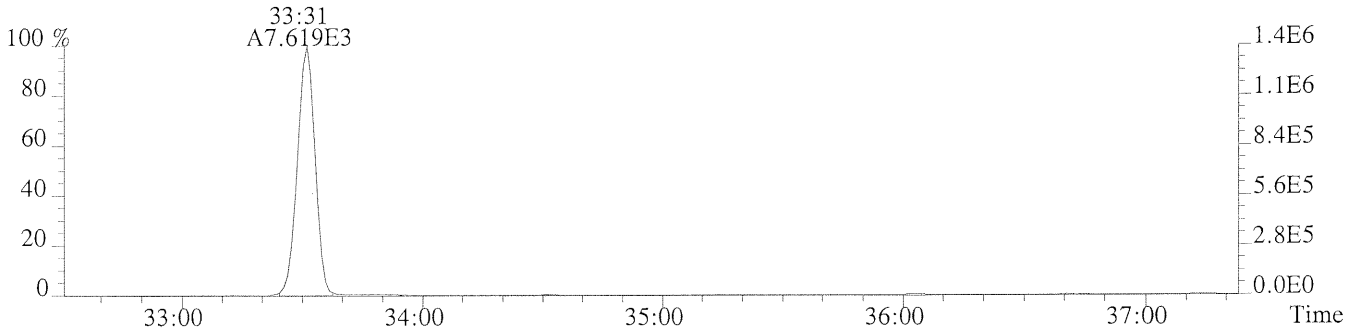


File:U142174 #1-312 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

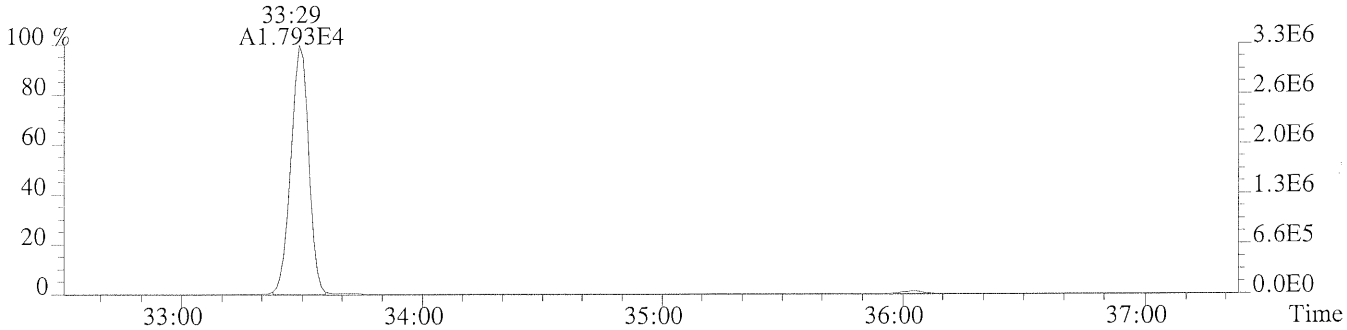
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1216.0,1.00%,F,T)



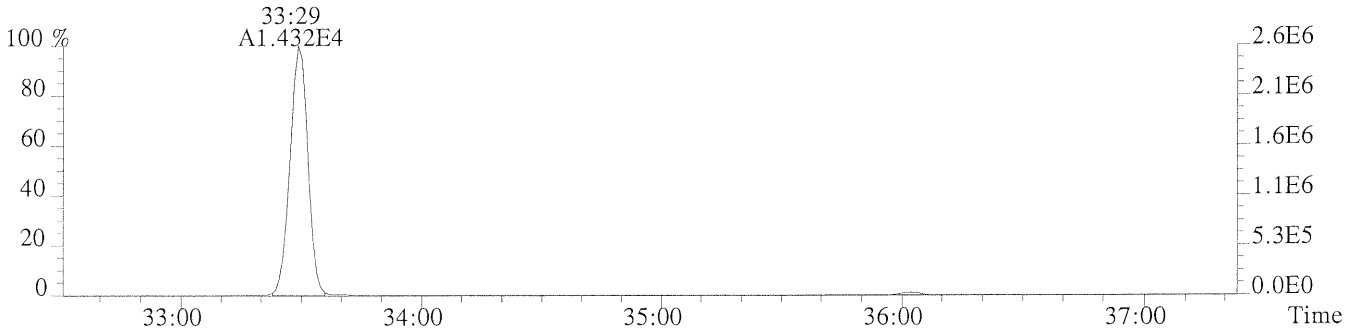
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1336.0,1.00%,F,T)



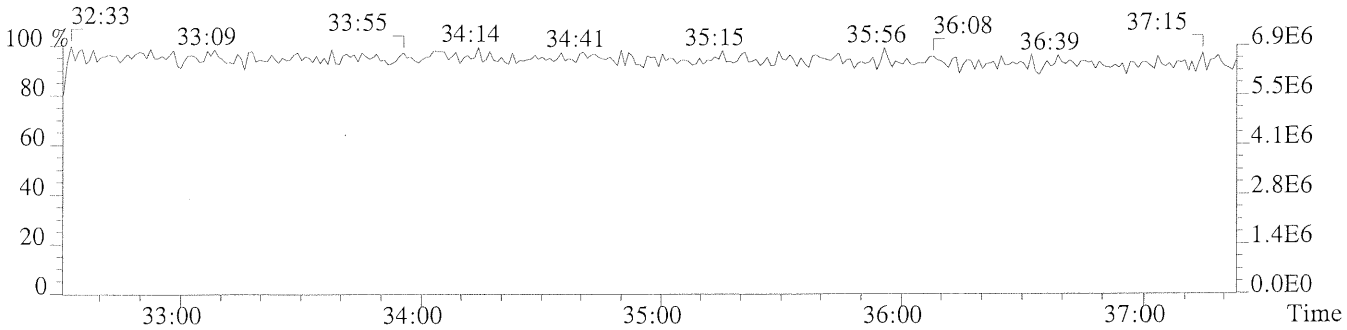
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1176.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1328.0,1.00%,F,T)

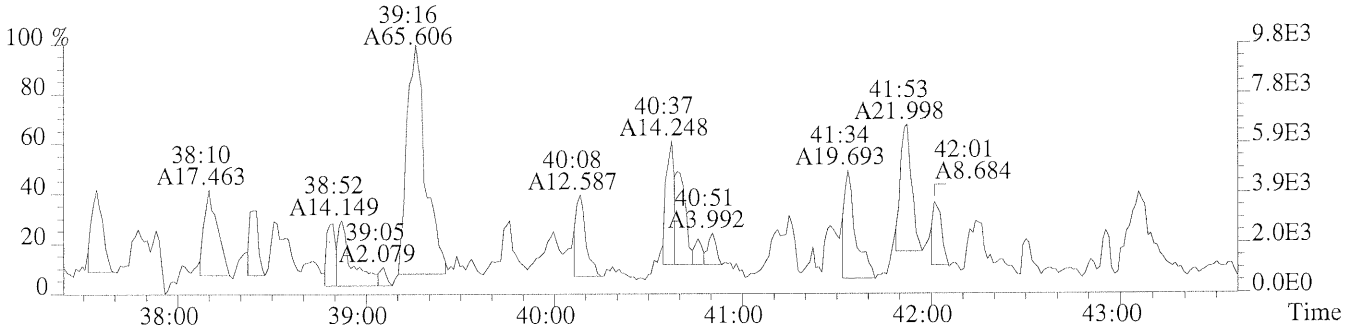


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

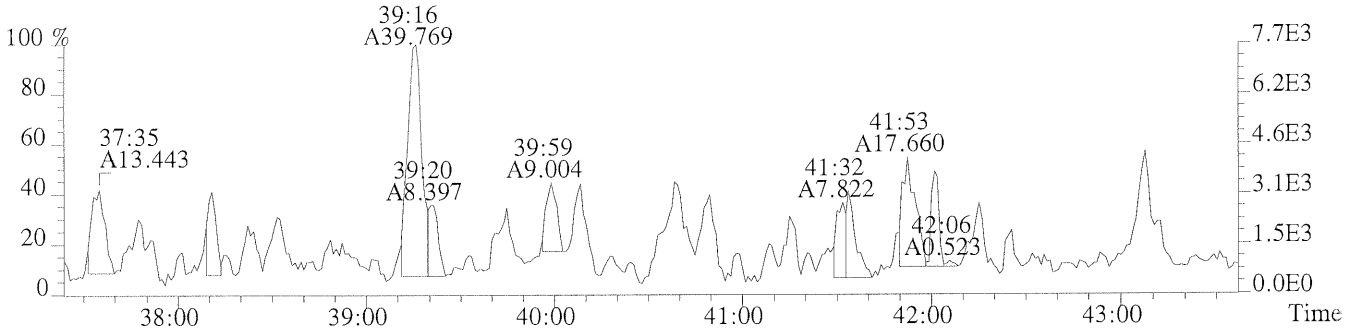


File:U142174 #1-398 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

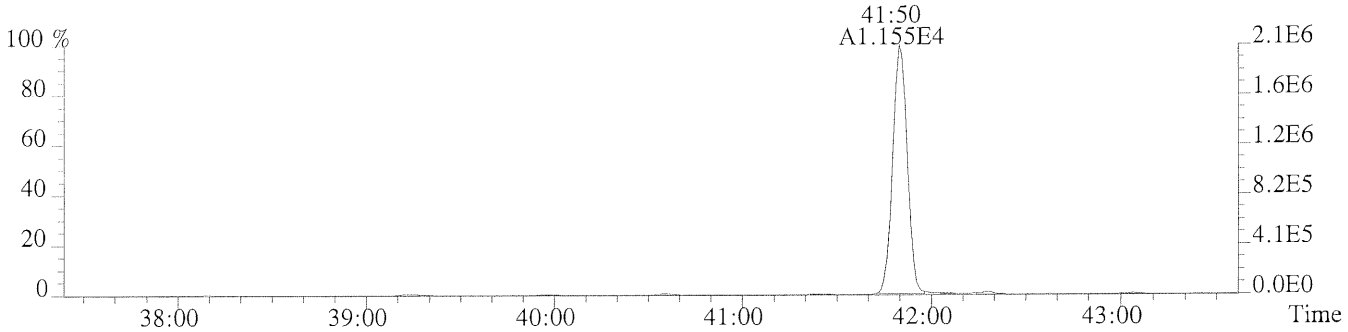
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1320.0,1.00%,F,T)



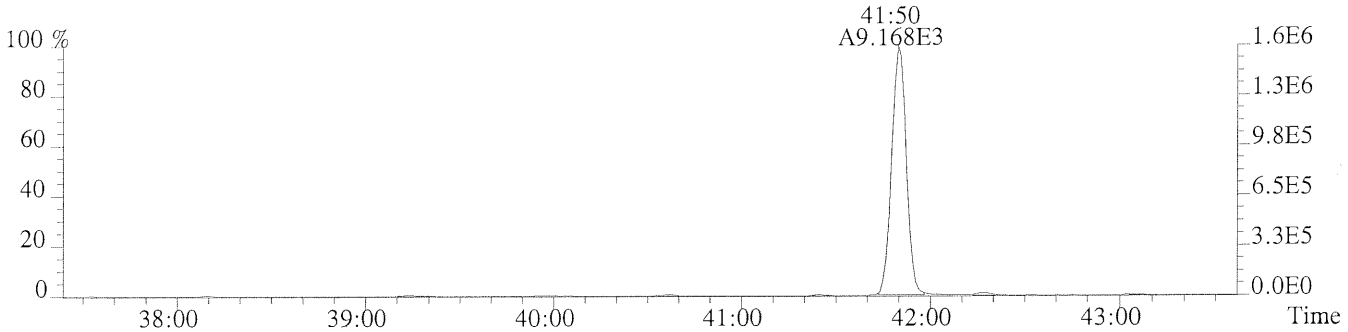
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1288.0,1.00%,F,T)



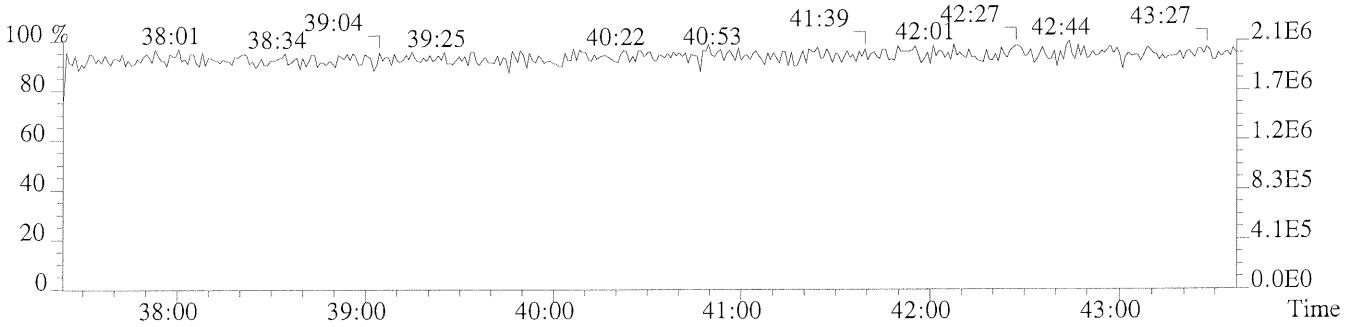
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1088.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1092.0,1.00%,F,T)

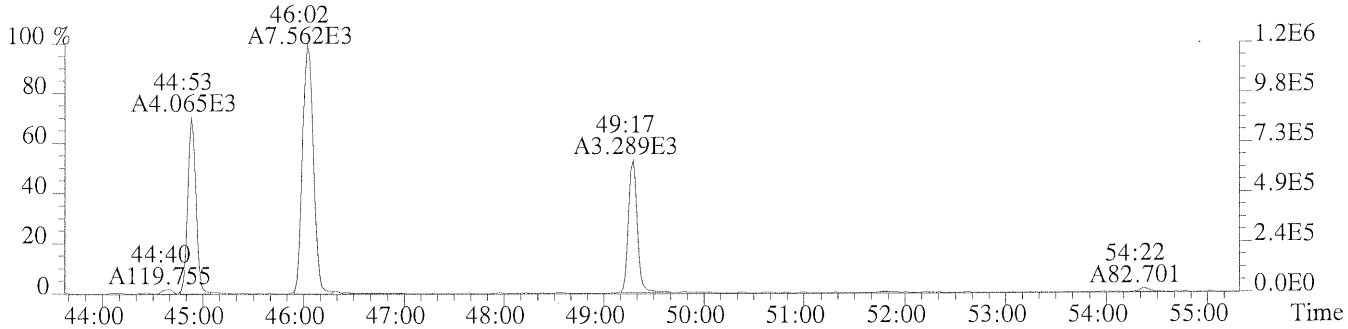


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

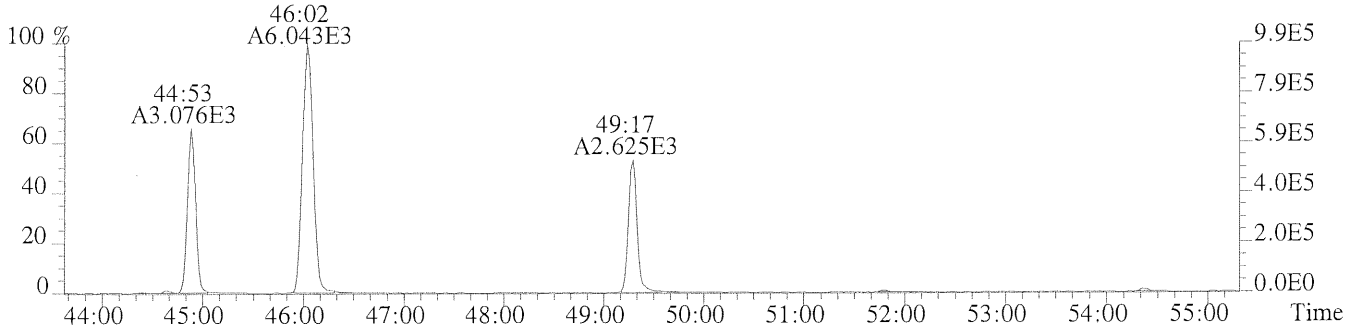


File:U142174 #1-579 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

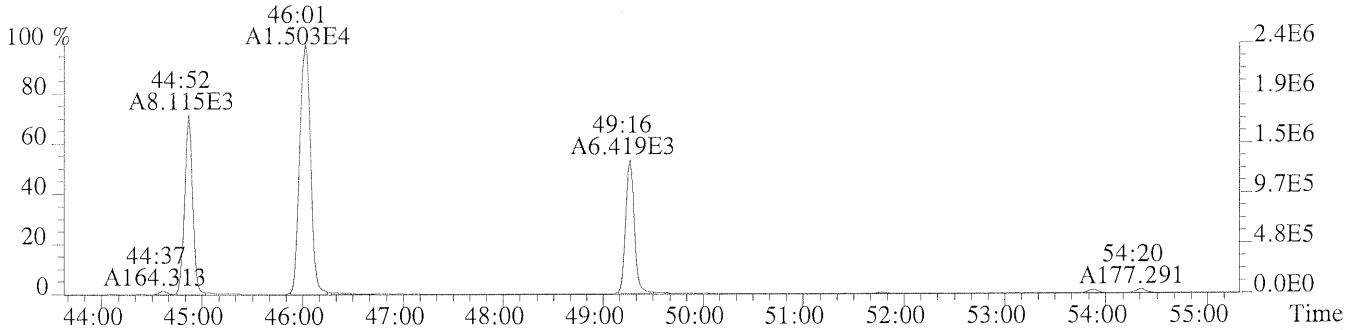
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1564.0,1.00%,F,T)



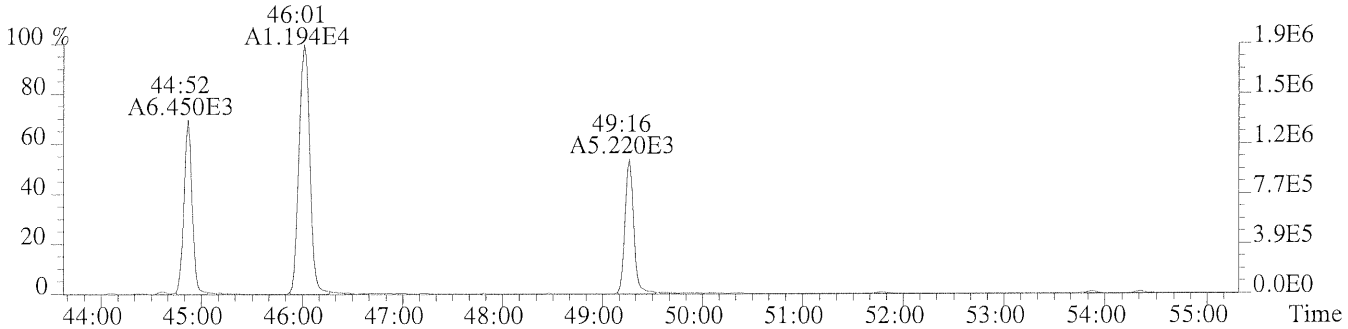
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1704.0,1.00%,F,T)



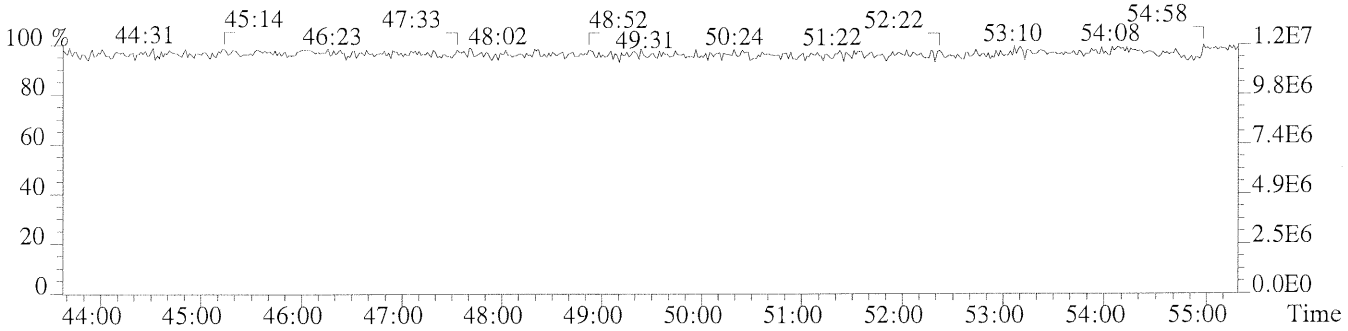
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1032.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1604.0,1.00%,F,T)

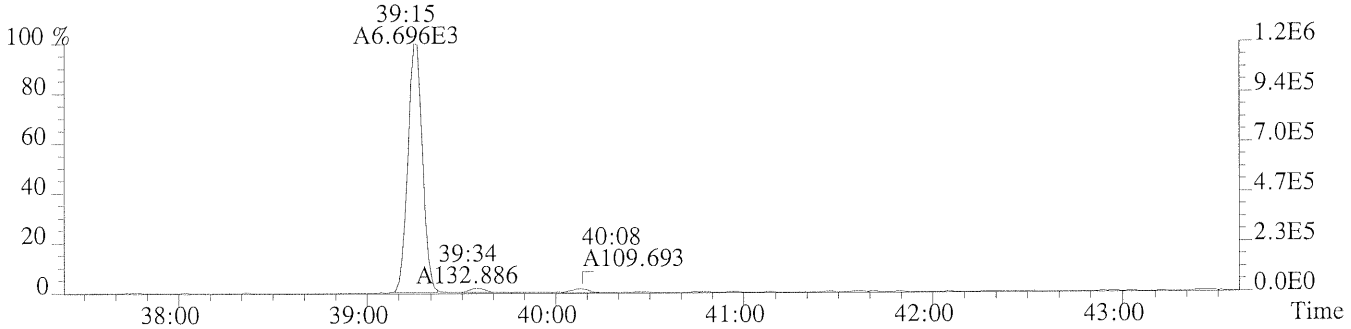


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

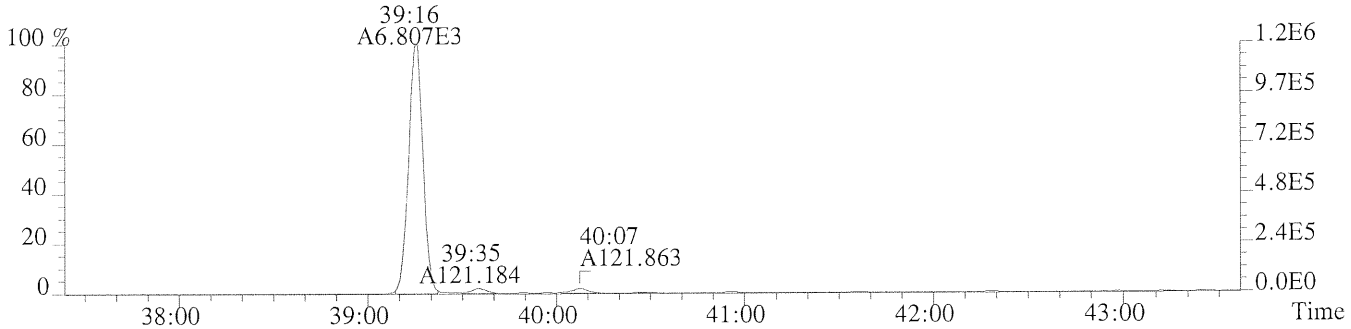


File:U142174 #1-398 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

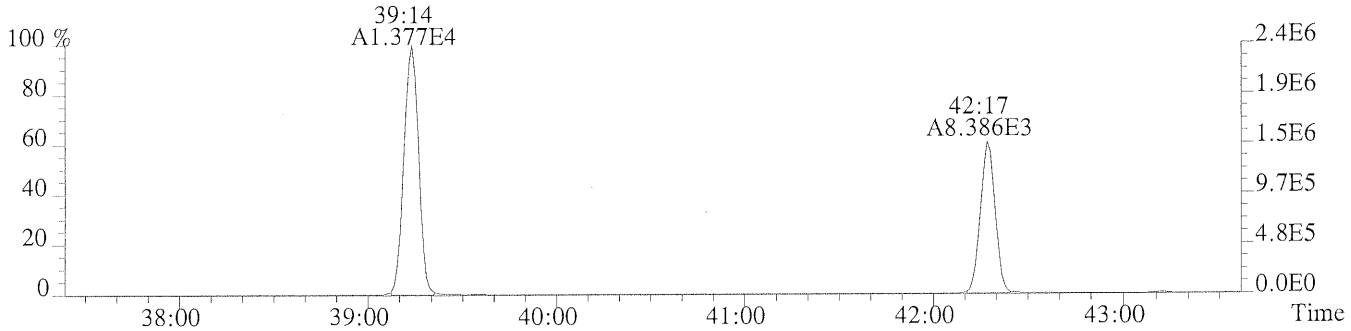
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1424.0,1.00%,F,T)



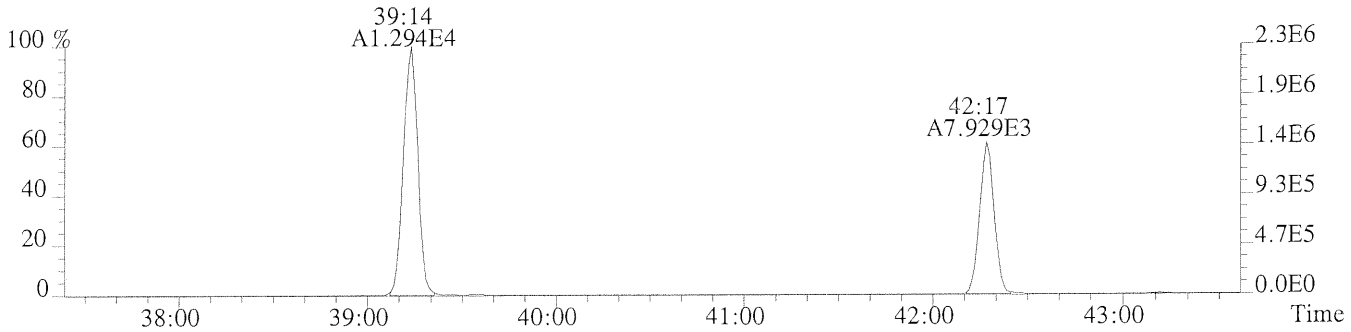
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,840.0,1.00%,F,T)



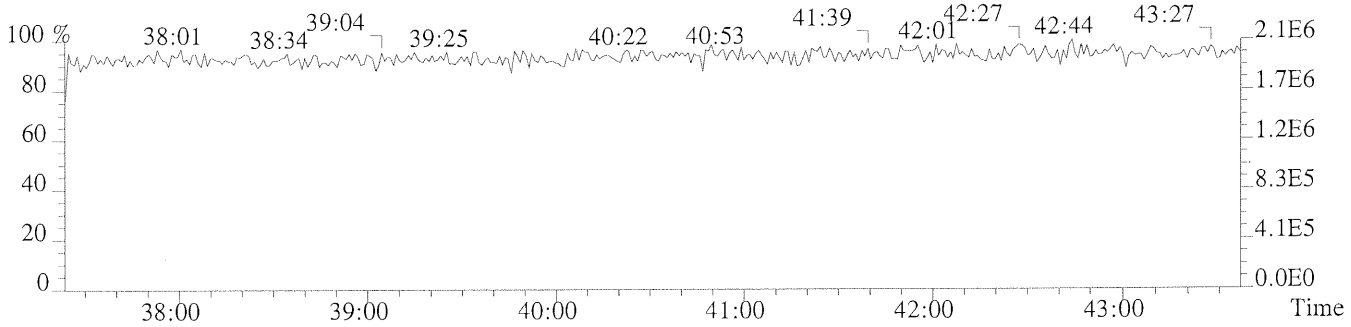
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)

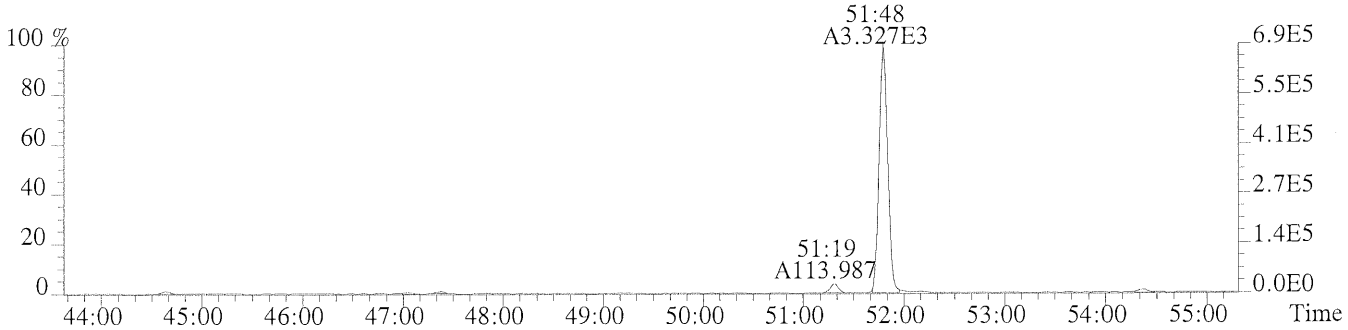


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,T)

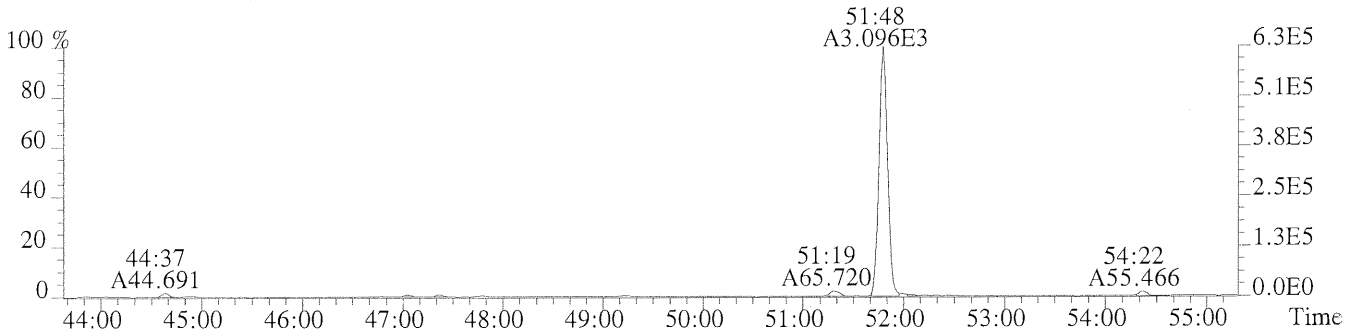


File:U142174 #1-579 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

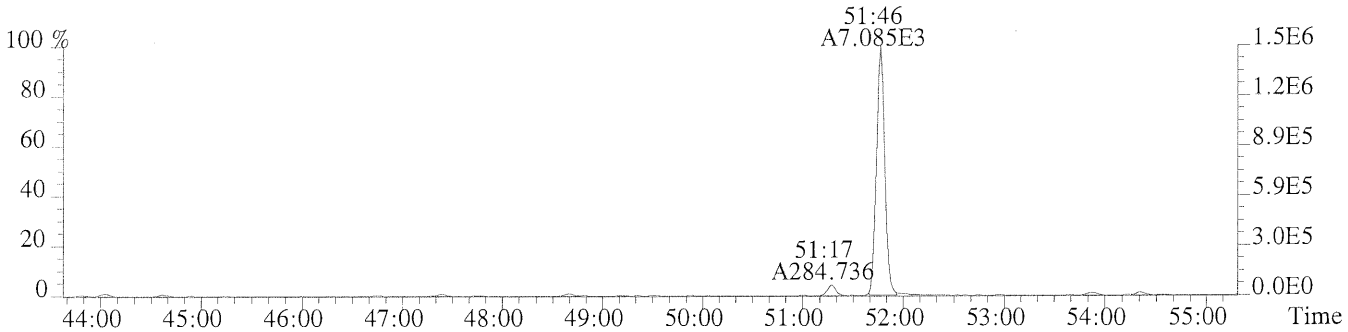
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1324.0,1.00%,F,T)



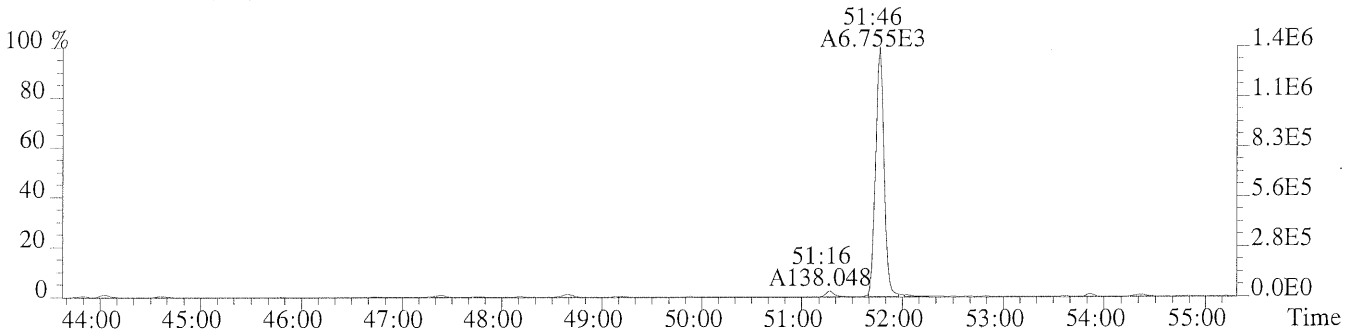
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1752.0,1.00%,F,T)



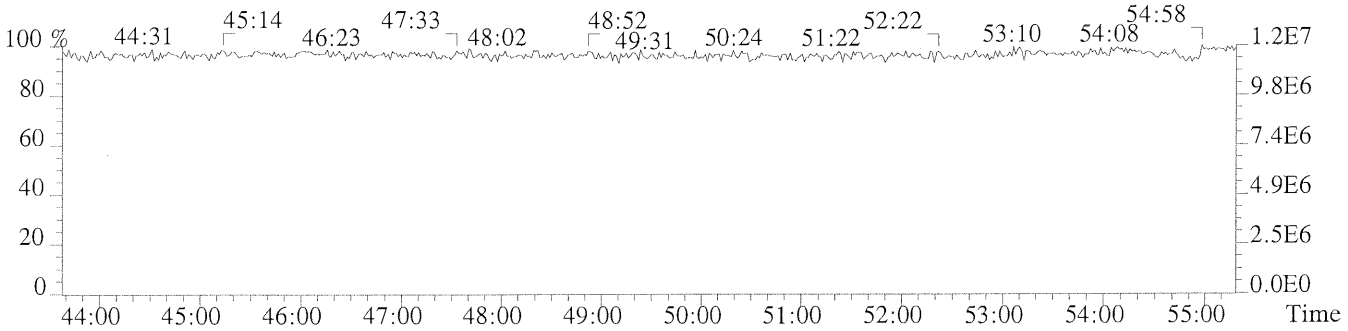
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1576.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1332.0,1.00%,F,T)

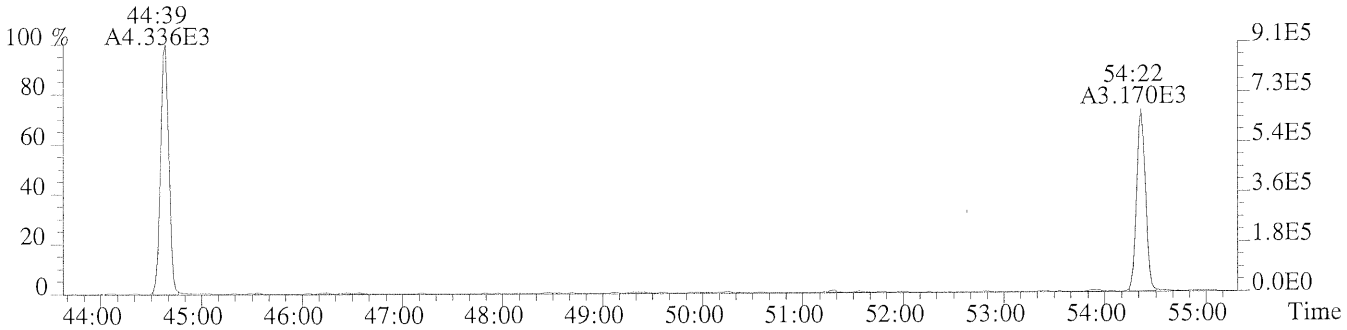


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

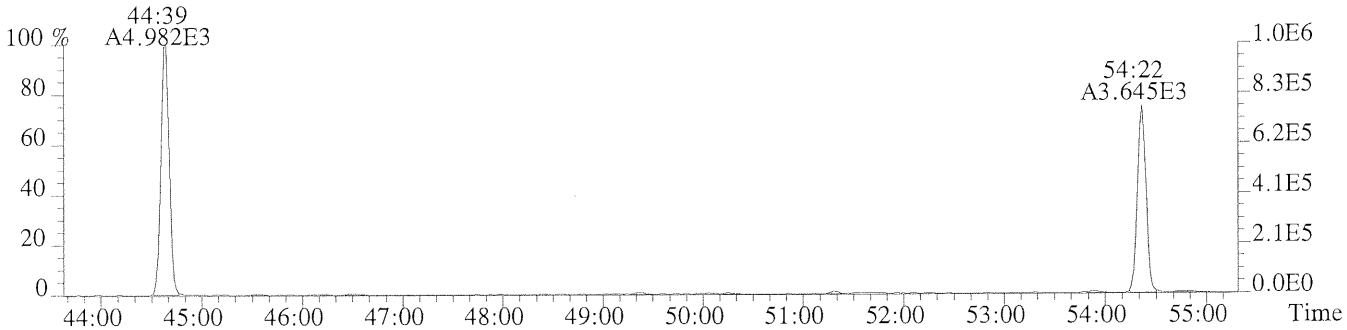


File:U142174 #1-579 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

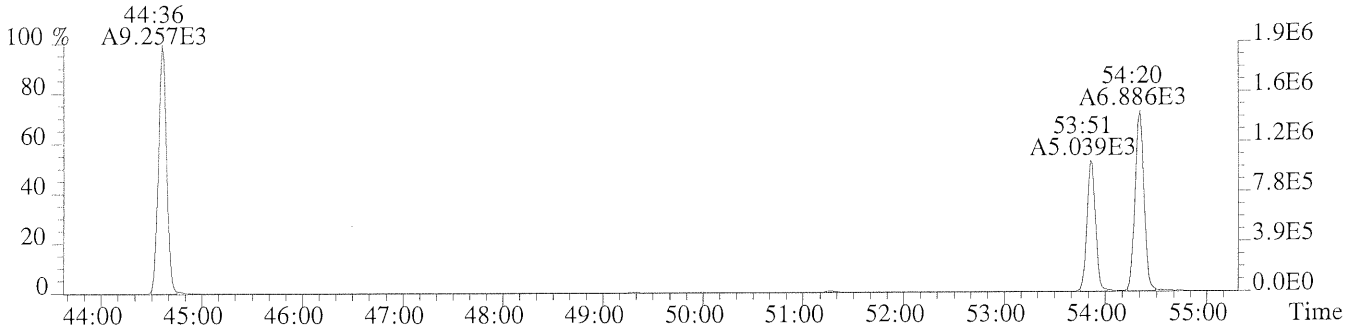
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1156.0,1.00%,F,T)



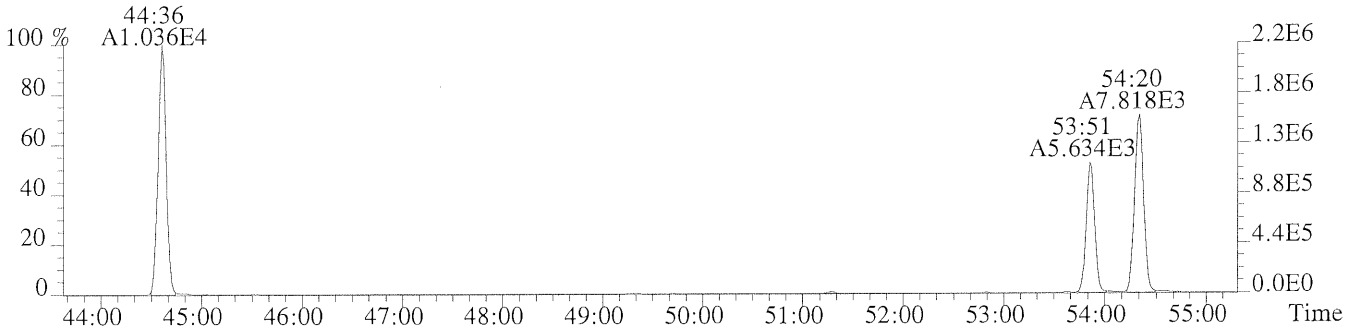
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1424.0,1.00%,F,T)



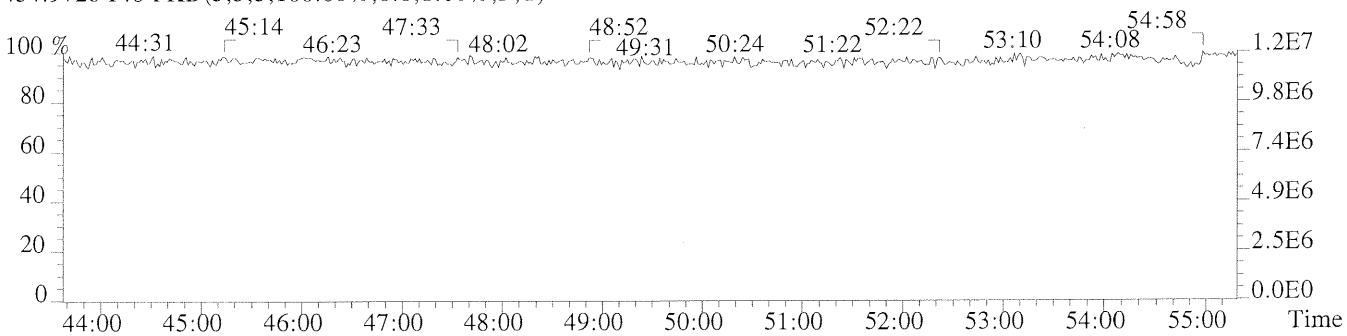
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,804.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1164.0,1.00%,F,T)

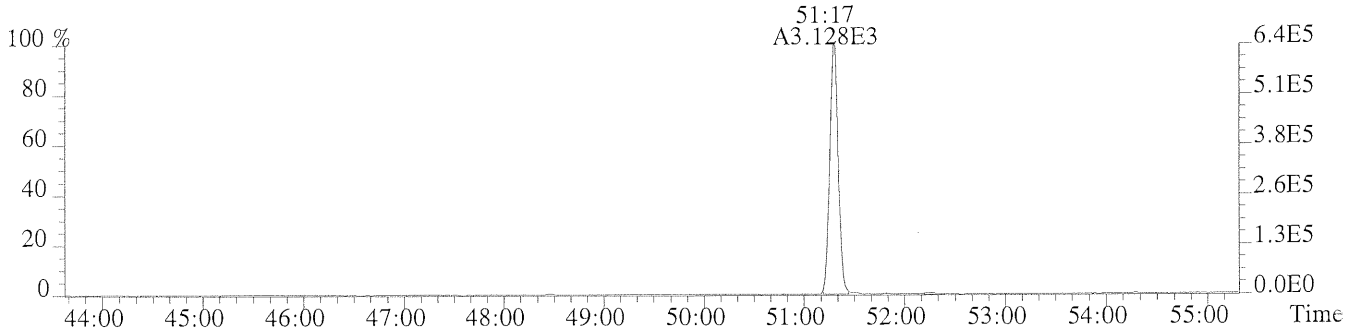


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

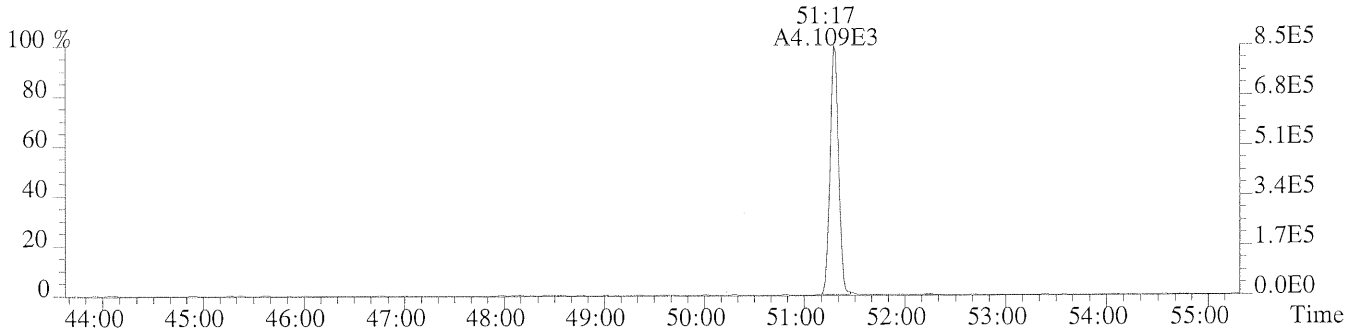


File:U142174 #1-579 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

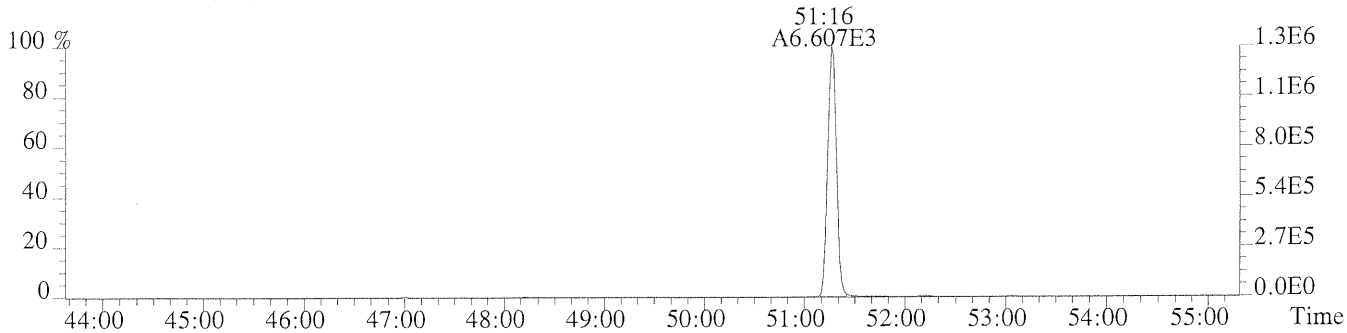
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1696.0,1.00%,F,T)



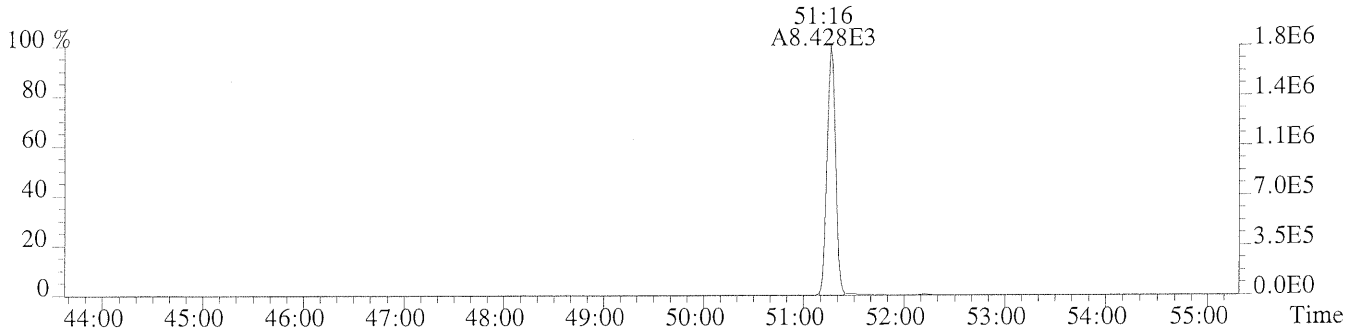
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)



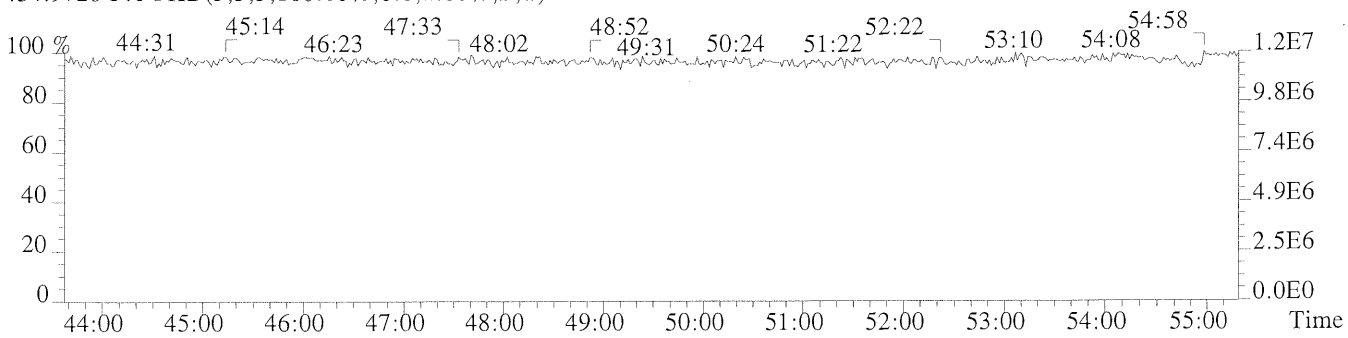
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,748.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)

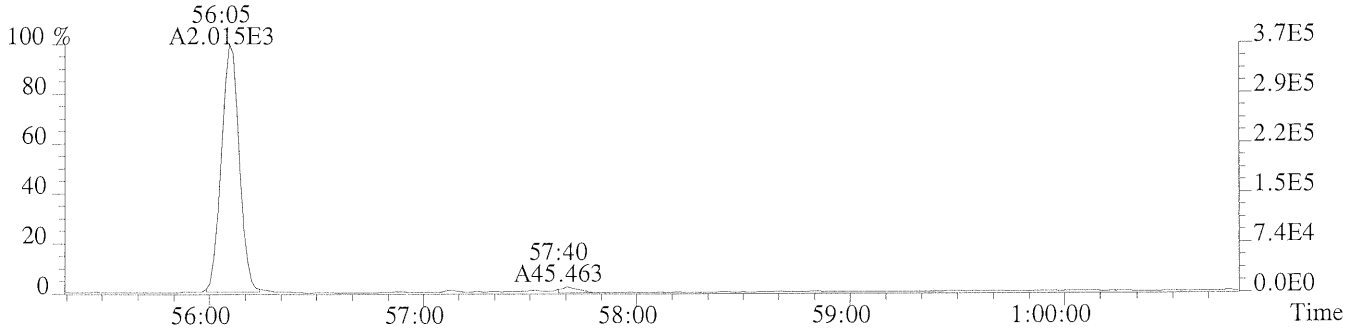


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

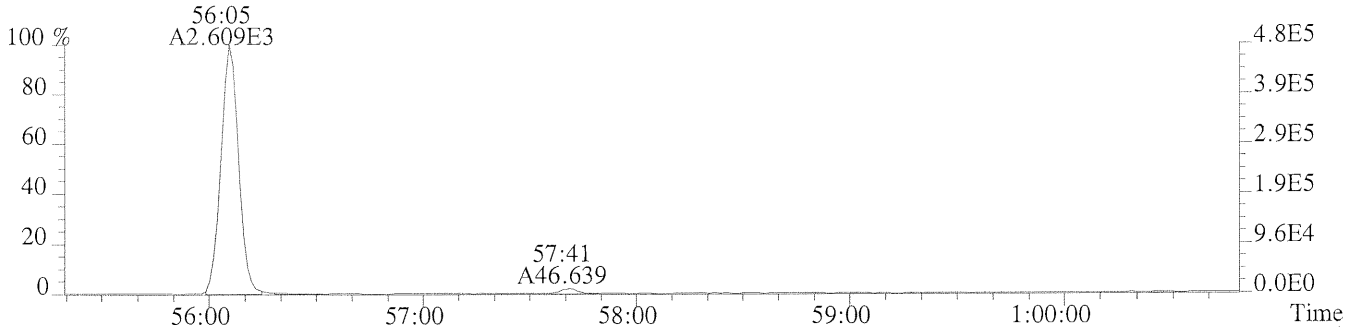


File:U142174 #1-310 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

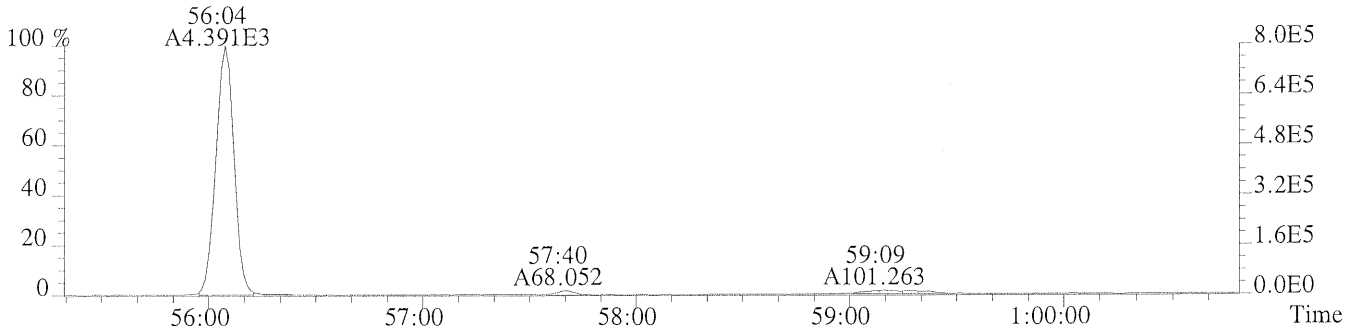
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2784.0,1.00%,F,T)



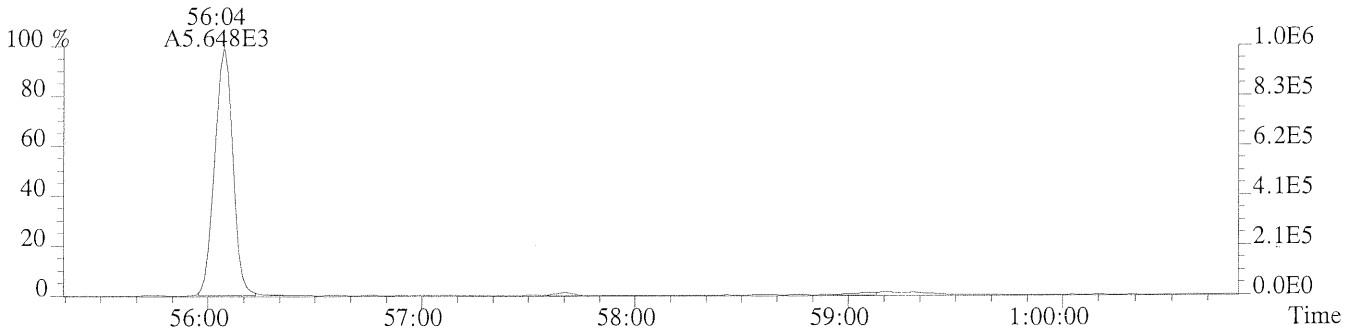
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1160.0,1.00%,F,T)



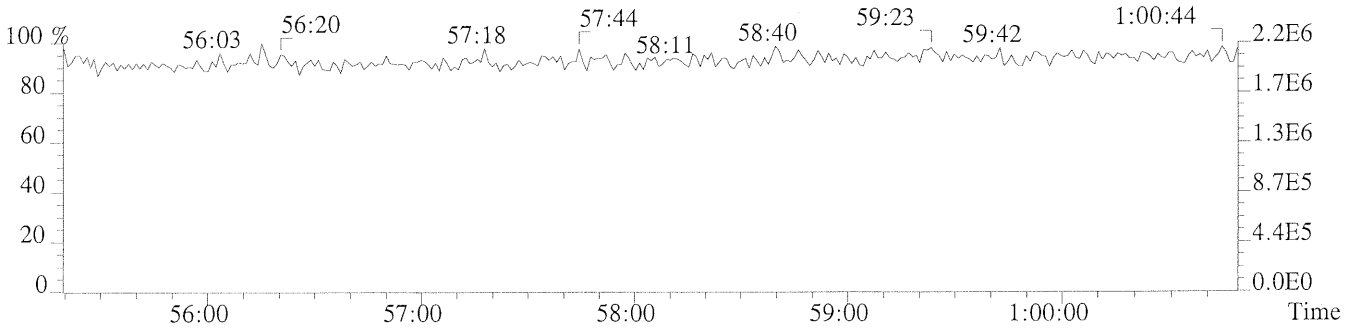
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1876.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1420.0,1.00%,F,T)

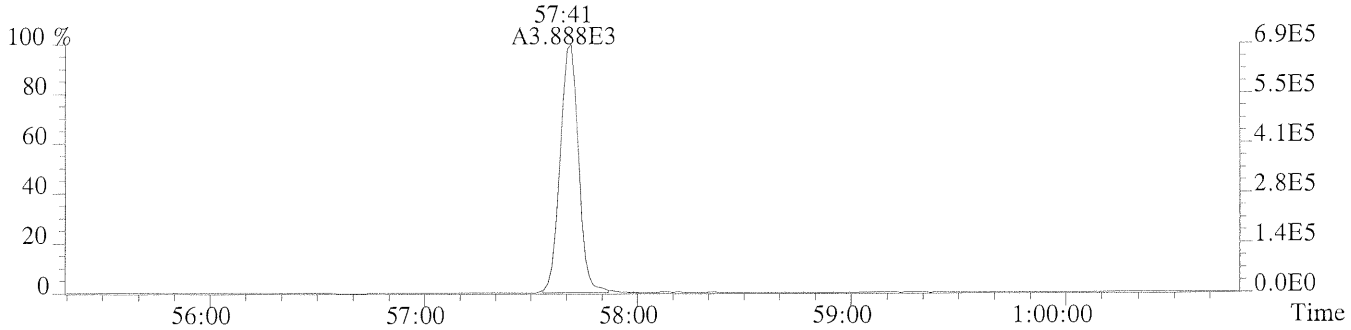


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)

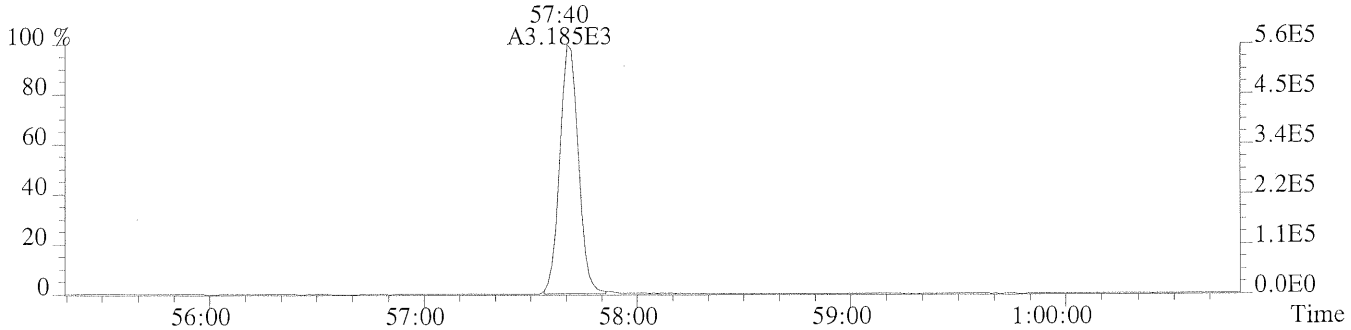


File:U142174 #1-310 Acq:26-NOV-2011 06:46:31 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:CCAL CS3

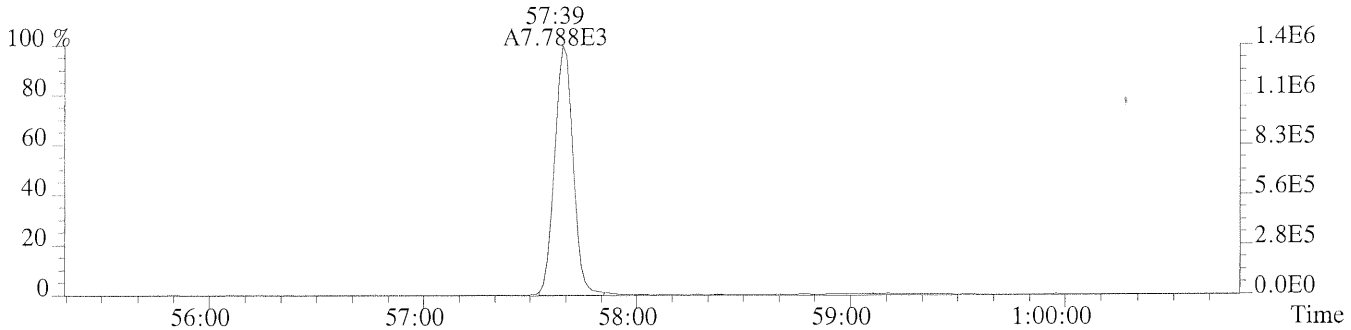
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2000.0,1.00%,F,T)



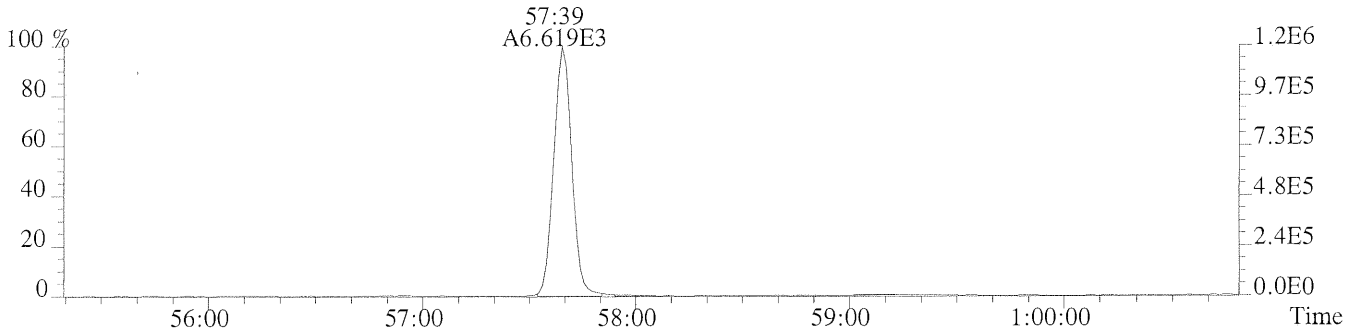
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1412.0,1.00%,F,T)



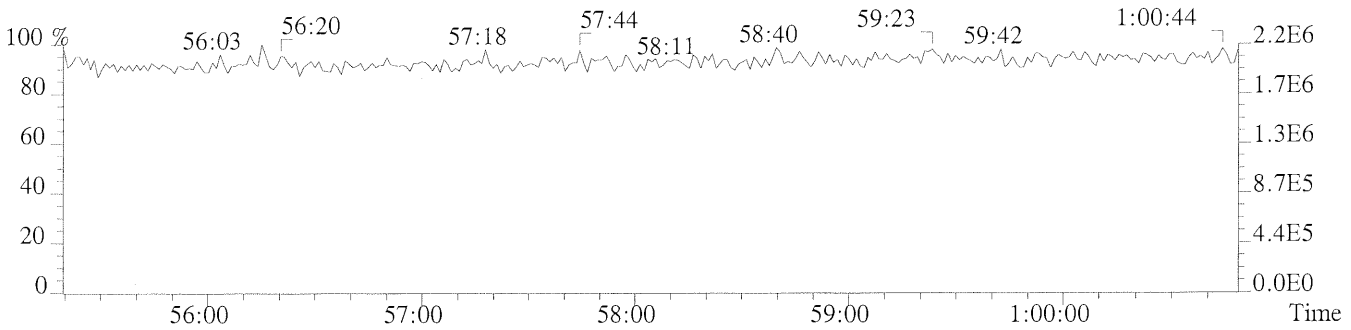
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1376.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1640.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Columbia Analytical Services INC

Initial Calibration

19408 Park Row, Suite 320, Houston, TX 77084
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

An Employee Owned Company

Initial Calibration Checklist

Calibration File Name: U110223 1668IN

Date: 02/23/11

Method: 1668(209) 1668(27) 1668 (WHO) 1668 (WHO & TOTAL)

Date	02/25/11	First Reviewer	MC

Date	02/25/11	Second Reviewer	

5DFC
PCDD/PCDF ANALYTICAL SEQUENCE SUMMARY

Lab Name: Columbia Analytical Services, Houston Contract:

Lab Code: CAS Episode No.: SDG No.:

GC Column: SPB-OCT╗ ID: 0.25 (mm) Instrument ID: AutoSpec-Ultima

Init. Calib. Date: 02/23/11

Init. Calib.Times: 09:22

THE ANALYTICAL SEQUENCE OF STANDARDS, SAMPLES, BLANKS, SPIKES AND DUPLICATES IS AS FOLLOWS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
DCCS-209	PCB 209 INJECT╗	U139139	23-FEB-11	09:22:35
ICAL CS1	ICAL CS1	U139142	23-FEB-11	13:25:54
ICAL CS2	ICAL CS2	U139141	23-FEB-11	11:58:54
ICAL CS3	ICAL CS3	U139143	23-FEB-11	14:38:18
ICAL CS4	ICAL CS4	U139144	23-FEB-11	15:48:29
ICAL CS5	ICAL CS5	U139145	23-FEB-11	16:50:43
ICAL CS6	ICAL CS6	U139146	23-FEB-11	18:13:13

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\CASHOUSTON.PRO\SampleDB\U1110223.SPL
Last Modified: Wednesday, February 23, 2011 18:13:09 Central Standard Time
Printed: Thursday, February 24, 2011 04:49:39 Central Standard Time

Columbia Analytical Services
19408 Park Row
Suite 320
Houston, Texas 77084

Page Position (1, 1)

H:U1102231668IN/U1102231668IDN

	Date	Time	File Name	Sample ID	Client ID	Analyst	Comments	GC Met	Acq Met
1	02/23/11	06:03	U139137	PCB 209 INJECTION	B2-31-3		HRMS CHECK 05:51	1668EPA	1668EPA
2		07:20	U139138	CCAL CS3	B3-36-4			1668EPA	1668EPA
3		09:22	U139139	PCB 209 INJECTION	B3-82-3		HRMS CHECK 09:03	1668EPA	1668EPA
4		10:55	U139140	ICAL CS1	B3-80-1A		DO NOT USE	1668EPA	1668EPA
5		11:58	U139141	ICAL CS2	B3-80-1B			1668EPA	1668EPA
6		13:25	U139142	ICAL CS1	B3-80-1A			1668EPA	1668EPA
7		14:38	U139143	ICAL CS3	B3-80-1C			1668EPA	1668EPA
8		15:48	U139144	ICAL CS4	B3-80-1D			1668EPA	1668EPA
9		16:50	U139145	ICAL CS5	B3-80-1E		HRMS CHECK 18:06	1668EPA	1668EPA
10		18:13	U139146	ICAL CS6	B2-59-4		HRMS CHECK 19:28	1668EPA	1668EPA
11			---	---	---			1668EPA	1668EPA
12			---	---	---			1668EPA	1668EPA
13			---	---	---			1668EPA	1668EPA
14			---	---	---			---	---
15			---	---	---			---	---
16			---	---	---			TCDFCAS	TCDFCAS
17			---	---	---			TCDFCAS	TCDFCAS
18			---	---	---			TCDFCAS	TCDFCAS
19			---	---	---			TCDFCAS	TCDFCAS
20			---	---	---			TCDFCAS	TCDFCAS
21			---	---	---			TCDFCAS	TCDFCAS
22			---	---	---			TCDFCAS	TCDFCAS
23			---	---	---			TCDFCAS	TCDFCAS
24			---	---	---			---	---
25			---	---	---			1668EPA	1668EPA
26			---	---	---			8290cas	8290CAS
27			---	---	---			TCDFCAS	TCDFCAS
28			---	---	---			---	---
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39	---	---	---	---	---	---	---	---	---

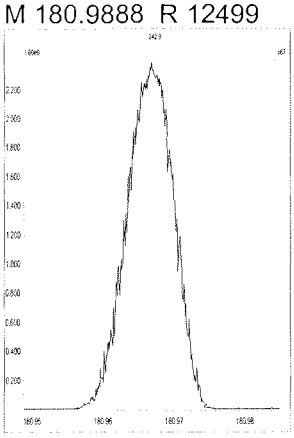
Reviewed By: MC

048

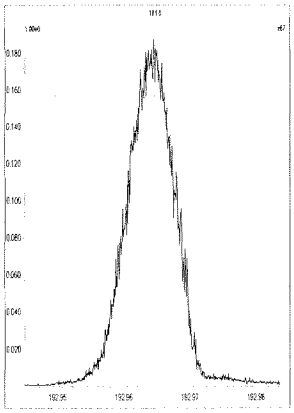
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, February 23, 2011 09:03:11 Central Standard Time

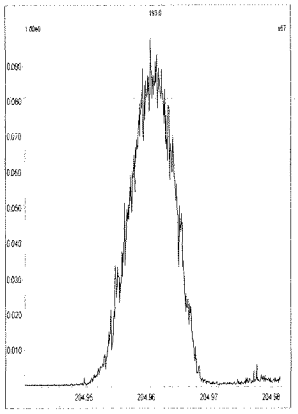
M 180.9888 R 12499



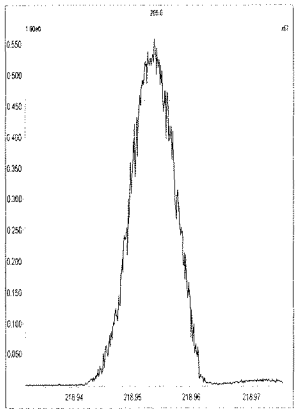
M 192.9888 R 11849



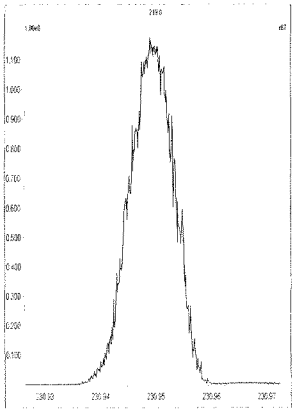
M 204.9888 R 13229



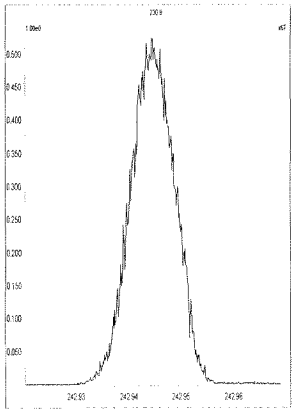
M 218.9856 R 13297



M 230.9856 R 13298



M 242.9856 R 12821

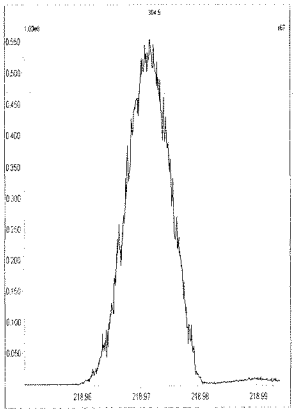


Experiment Calibration Report **MassLynx 4.1**

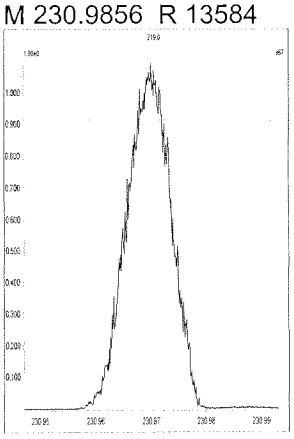
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, February 23, 2011 09:03:28 Central Standard Time

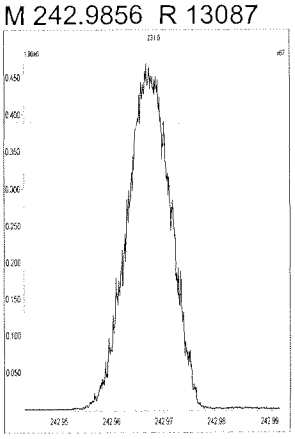
M 218.9856 R 13227



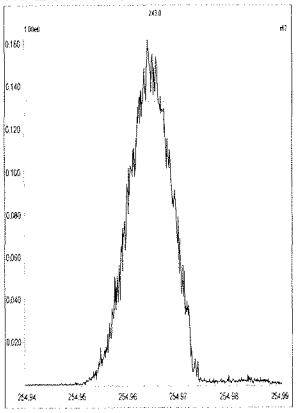
M 230.9856 R 13584



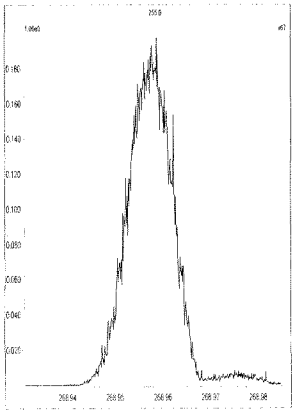
M 242.9856 R 13087



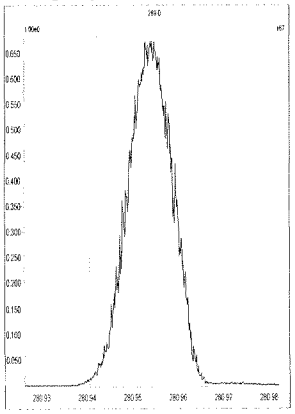
M 254.9856 R 13590



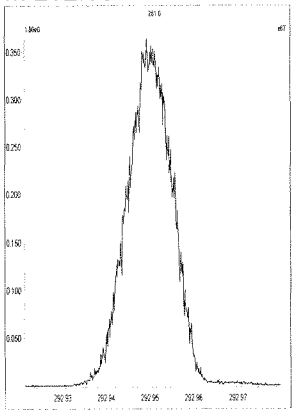
M 268.9824 R 13155



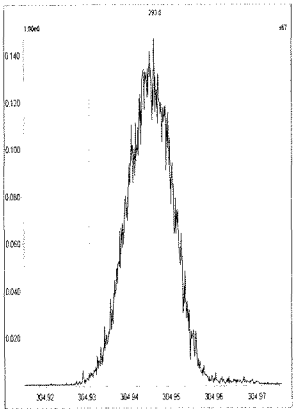
M 280.9824 R 12888



M 292.9824 R 13163



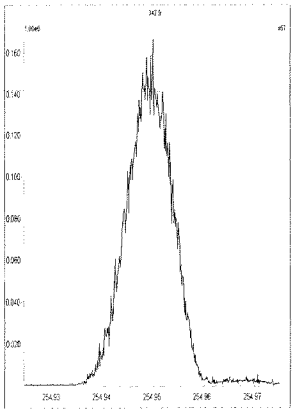
M 304.9824 R 12434



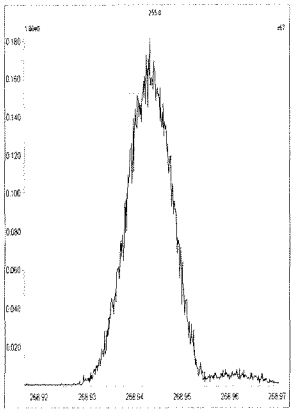
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, February 23, 2011 09:03:45 Central Standard Time

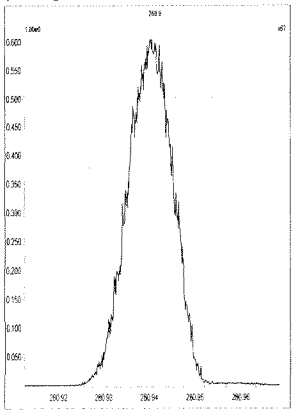
M 254.9856 R 12502



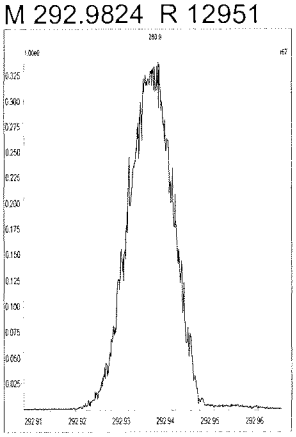
M 268.9824 R 12817



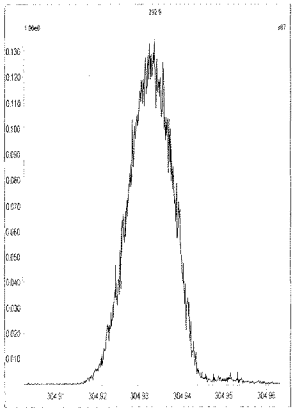
M 280.9824 R 13299



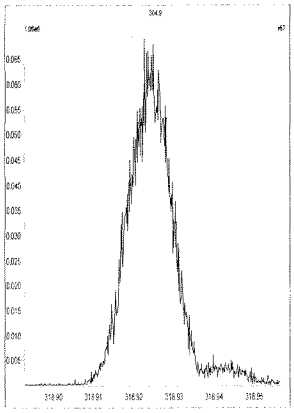
M 292.9824 R 12951



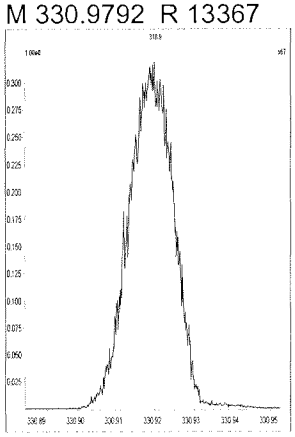
M 304.9824 R 13085



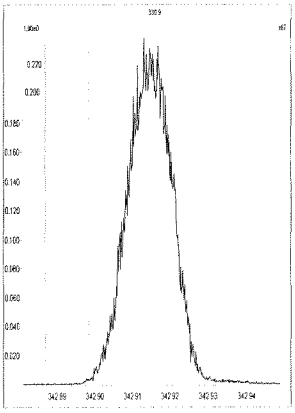
M 318.9792 R 13021



M 330.9792 R 13367



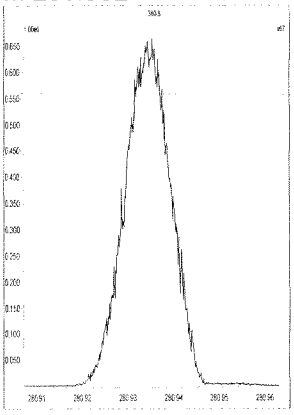
M 342.9792 R 13159



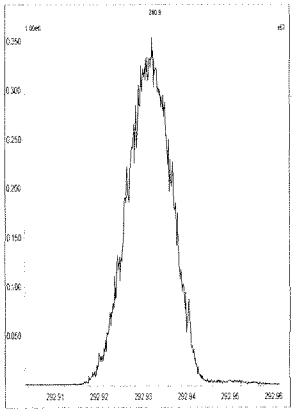
File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, February 23, 2011 09:04:03 Central Standard Time

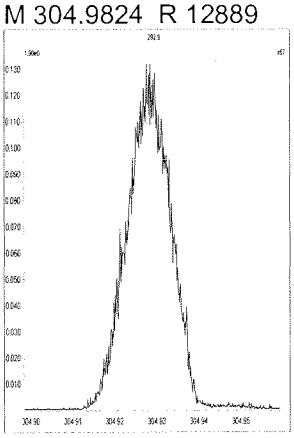
M 280.9824 R 12438



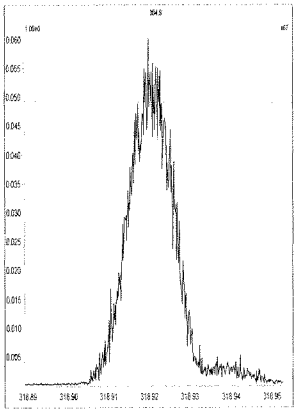
M 292.9824 R 12818



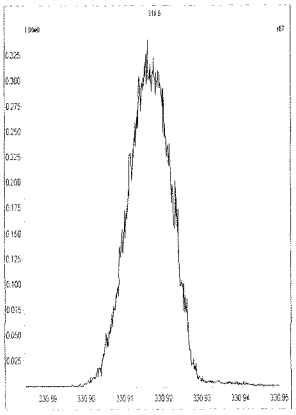
M 304.9824 R 12889



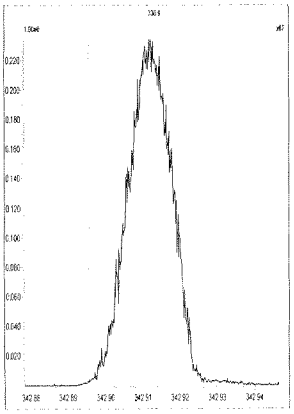
M 318.9792 R 12880



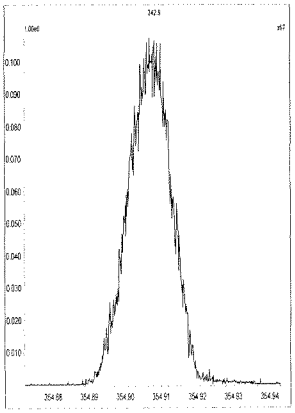
M 330.9792 R 13517



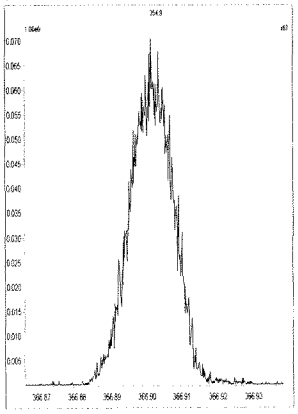
M 342.9792 R 13663



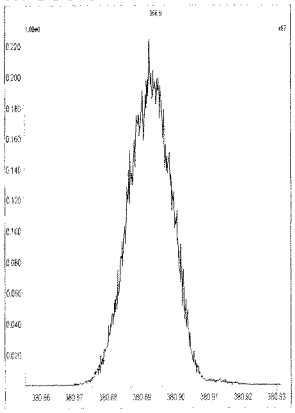
M 354.9792 R 13368



M 366.9792 R 13371



M 380.9760 R 13299



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

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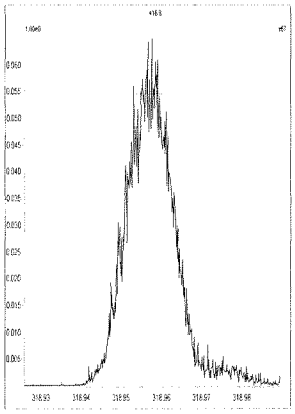
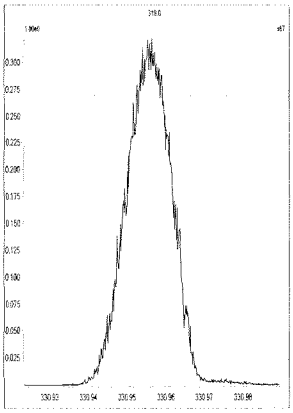
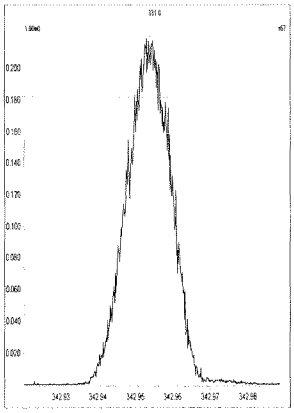
M 318.9792 R 12196



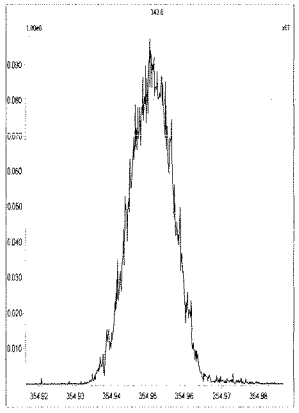
M 330.9792 R 12953



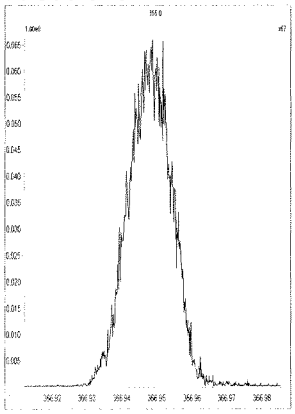
M 342.9792 R 13024



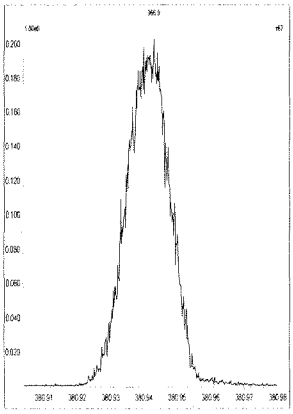
M 354.9792 R 13662



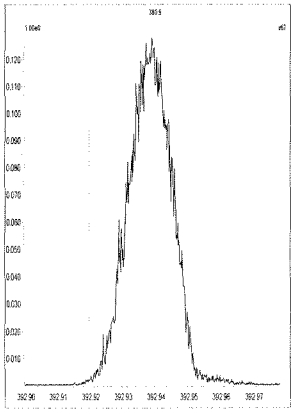
M 366.9792 R 13093



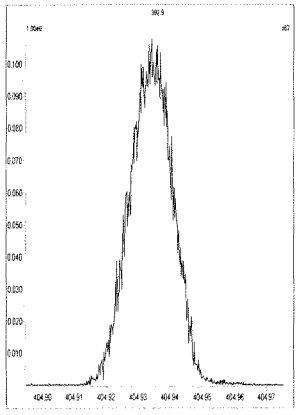
M 380.9760 R 13366



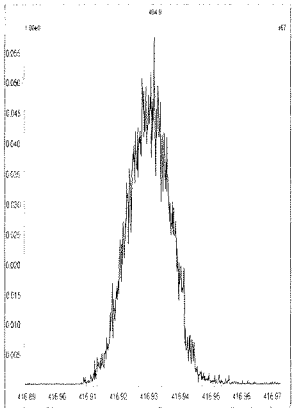
M 392.9760 R 14045



M 404.9760 R 13735



M 416.9760 R 12687



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 6 @ 200 (ppm)

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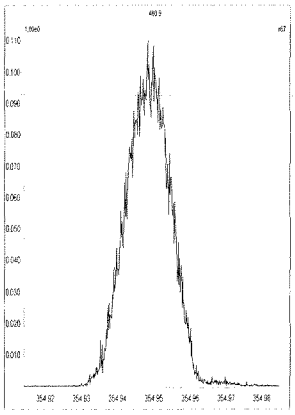
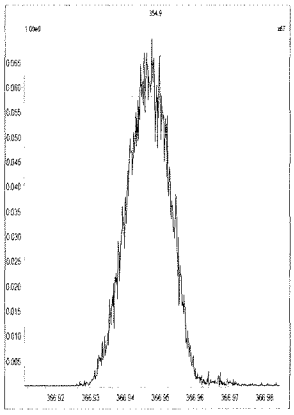
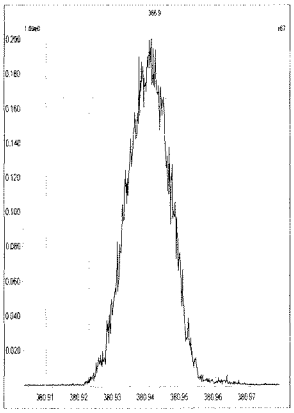
M 354.9792 R 14119



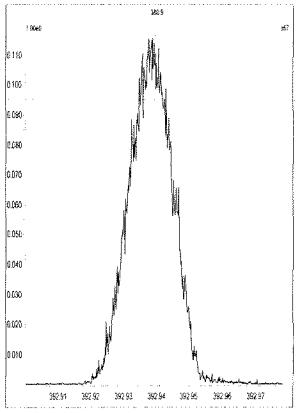
M 366.9792 R 13156



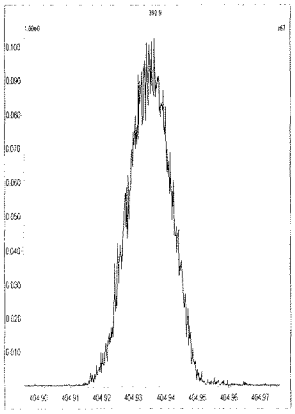
M 380.9760 R 12752



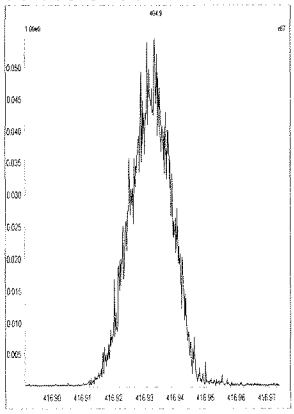
M 392.9760 R 13441



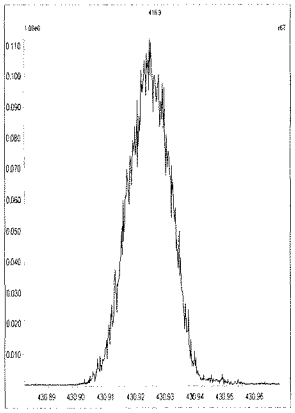
M 404.9760 R 13439



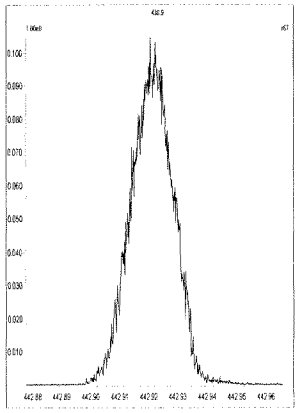
M 416.9760 R 14447



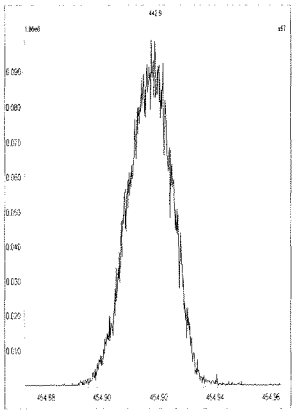
M 430.9728 R 13514



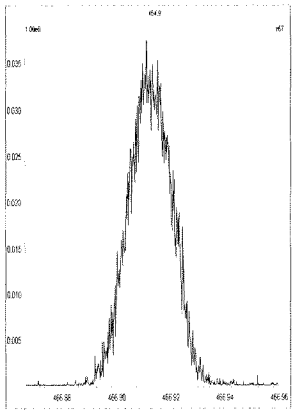
M 442.9728 R 13664



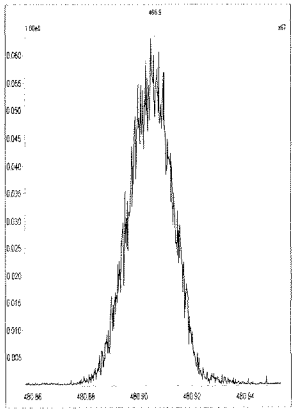
M 454.9728 R 13154



M 466.9728 R 13440



M 480.9696 R 13156



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 7 @ 200 (ppm)

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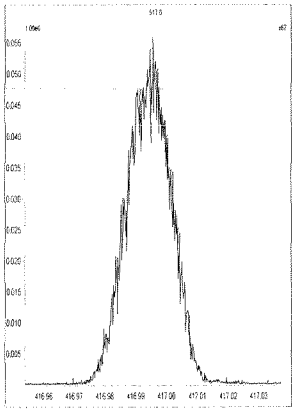
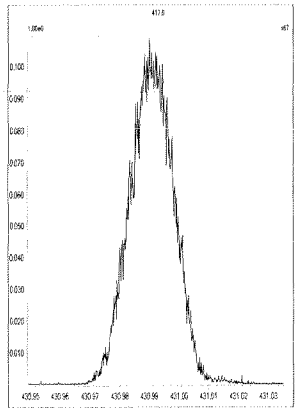
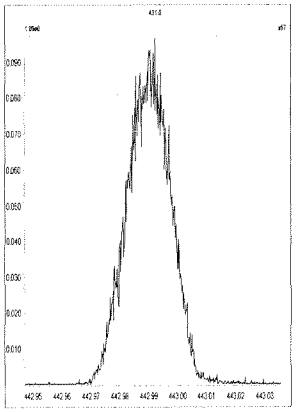
M 416.9760 R 13226



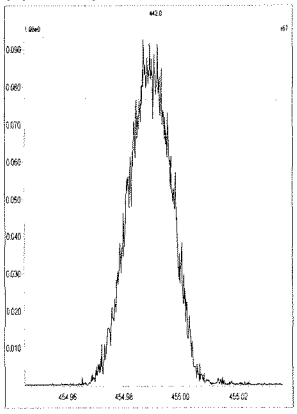
M 430.9728 R 13295



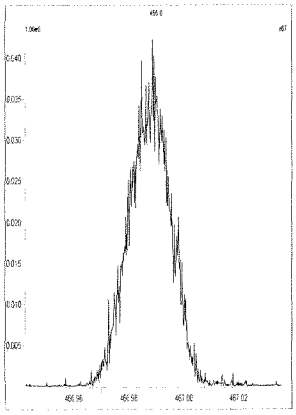
M 442.9728 R 13441



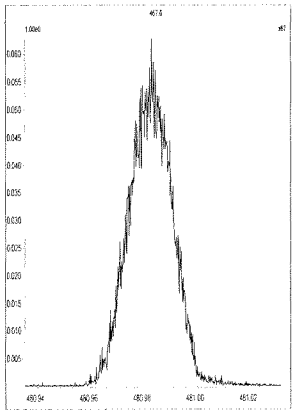
M 454.9728 R 13888



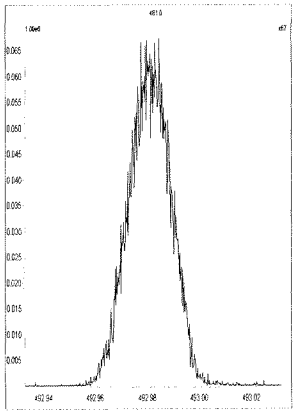
M 466.9728 R 13733



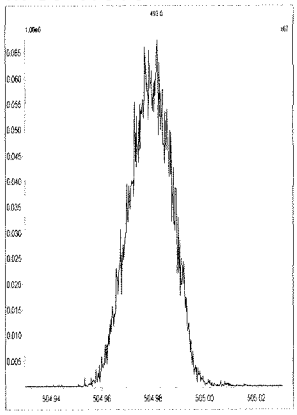
M 480.9696 R 13158



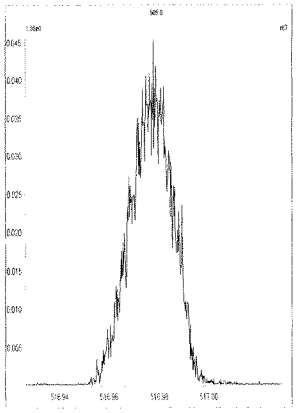
M 492.9696 R 13297



M 504.9696 R 13809



M 516.9697 R 13736



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

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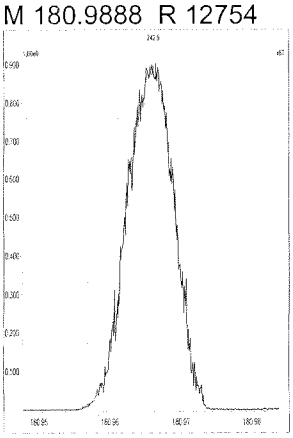
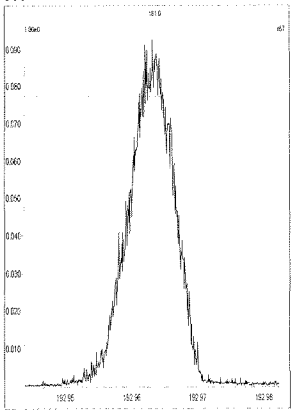
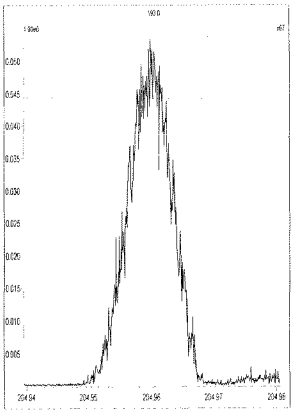
M 180.9888 R 12754



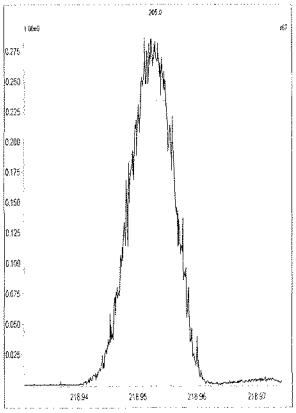
M 192.9888 R 12438



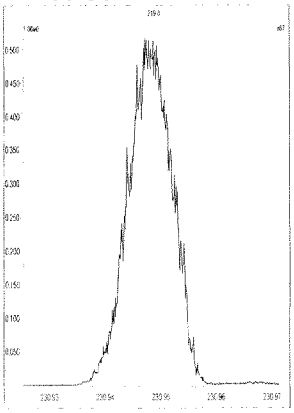
M 204.9888 R 13091



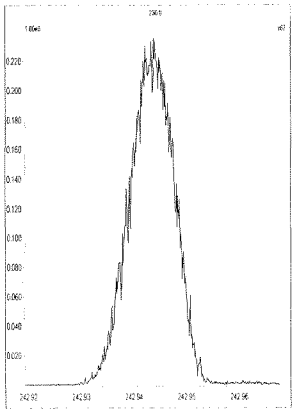
M 218.9856 R 13660



M 230.9856 R 13158



M 242.9856 R 12752



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

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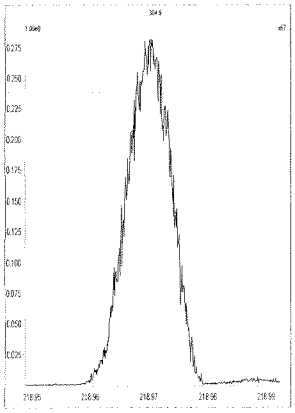
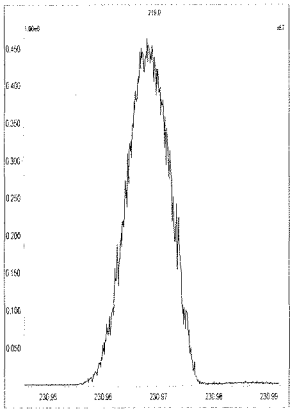
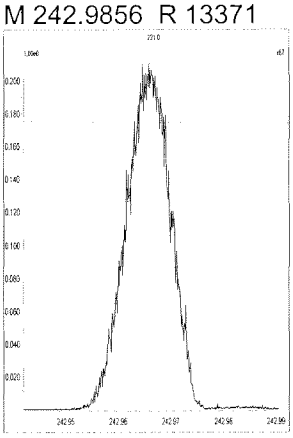
M 218.9856 R 13298



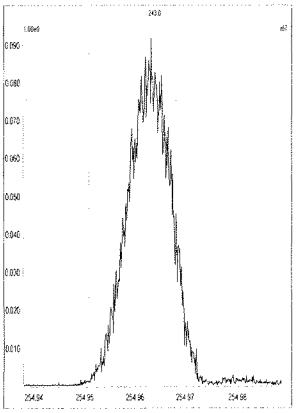
M 230.9856 R 13442



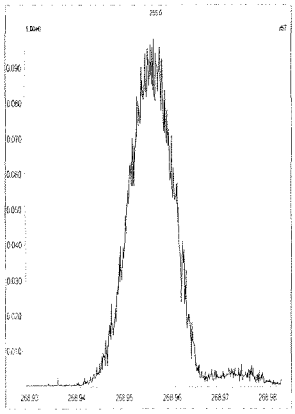
M 242.9856 R 13371



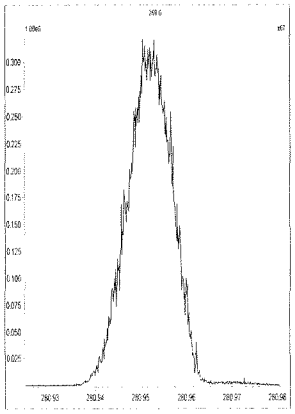
M 254.9856 R 13735



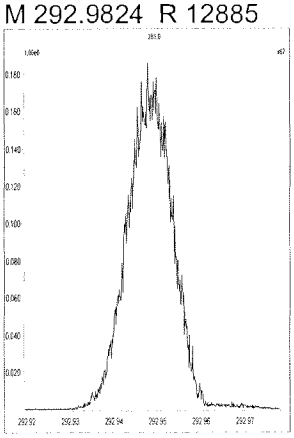
M 268.9824 R 13366



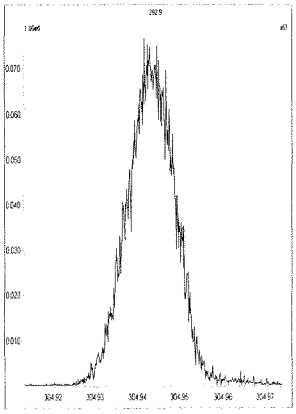
M 280.9824 R 13299



M 292.9824 R 12885



M 304.9824 R 11679



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

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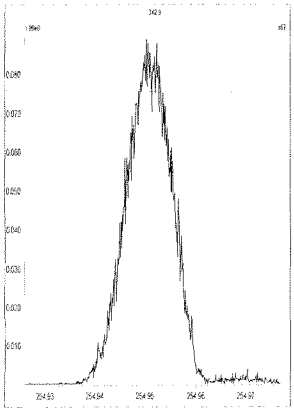
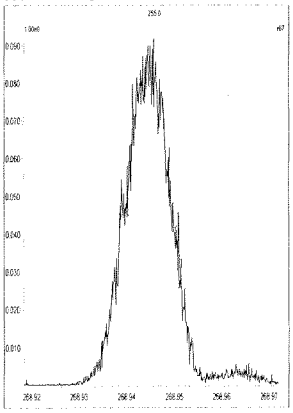
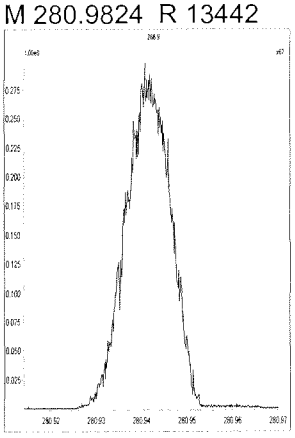
M 254.9856 R 12625



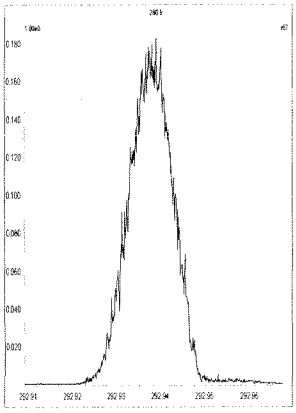
M 268.9824 R 13665



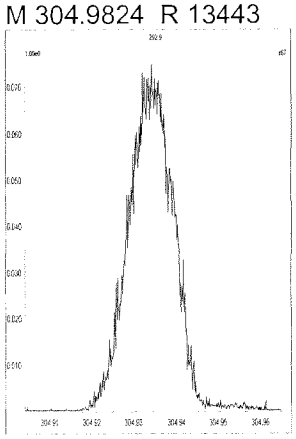
M 280.9824 R 13442



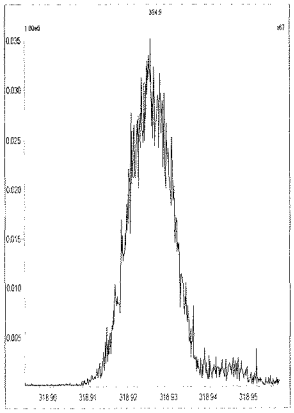
M 292.9824 R 13296



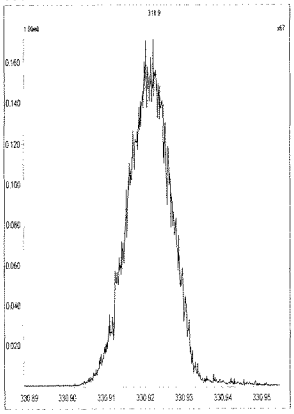
M 304.9824 R 13443



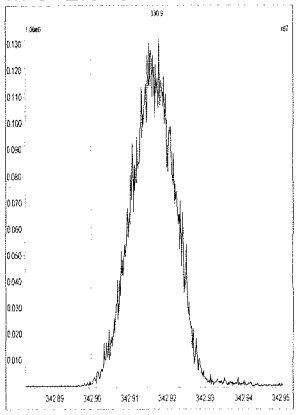
M 318.9792 R 13967



M 330.9792 R 13373



M 342.9792 R 13442



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

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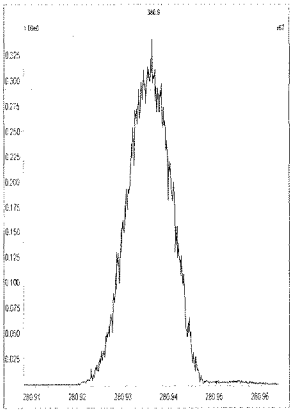
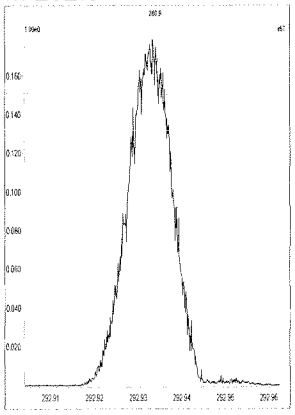
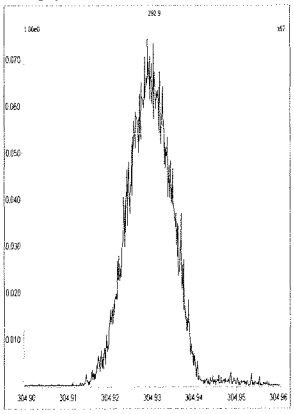
M 280.9824 R 13298



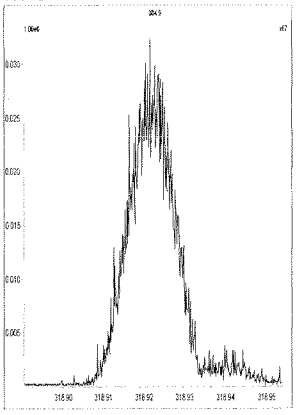
M 292.9824 R 13087



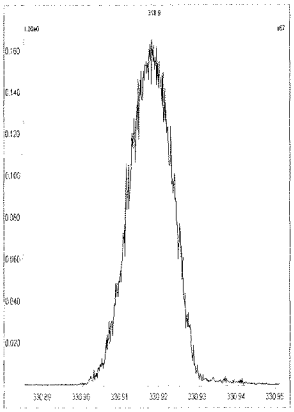
M 304.9824 R 12822



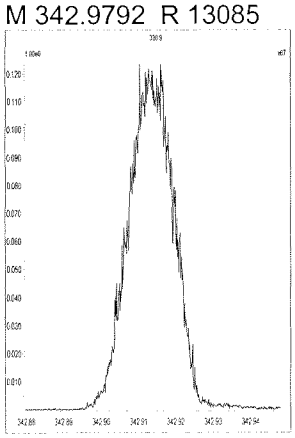
M 318.9792 R 12947



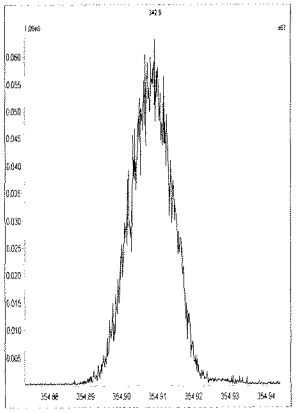
M 330.9792 R 13302



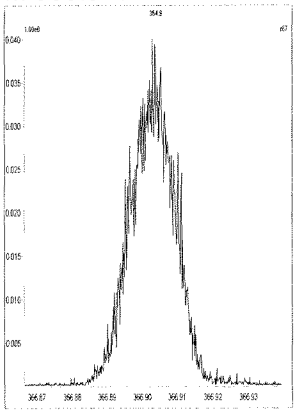
M 342.9792 R 13085



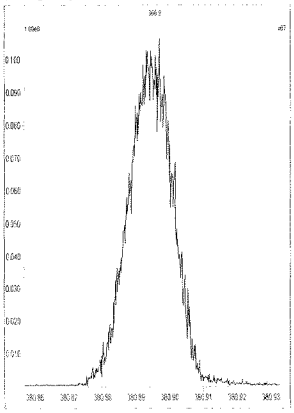
M 354.9792 R 13513



M 366.9792 R 13155



M 380.9760 R 13228



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

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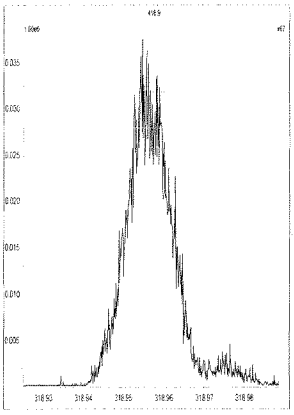
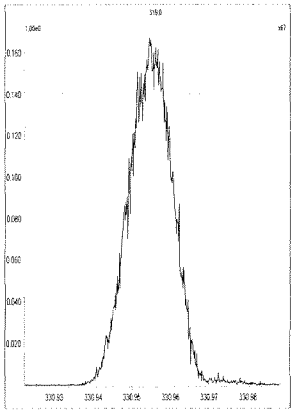
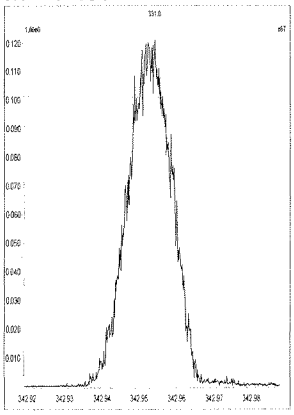
M 318.9792 R 12955



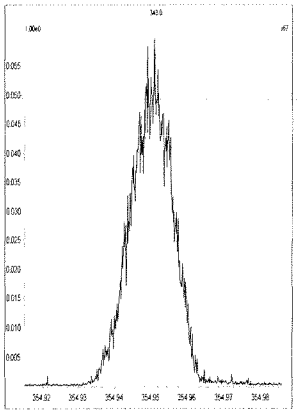
M 330.9792 R 13227



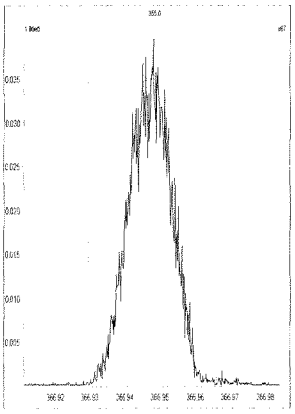
M 342.9792 R 13438



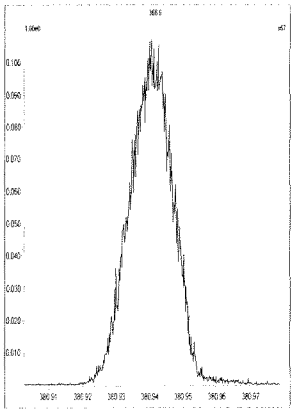
M 354.9792 R 13737



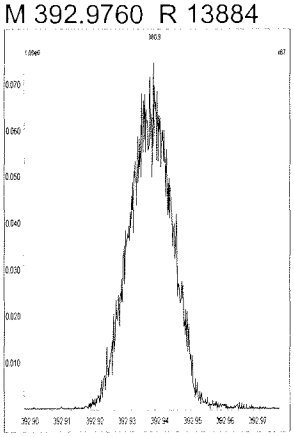
M 366.9792 R 14043



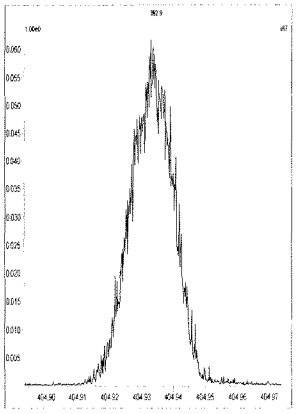
M 380.9760 R 13664



M 392.9760 R 13884



M 404.9760 R 13367



M 416.9760 R 12317

File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 6 @ 200 (ppm)

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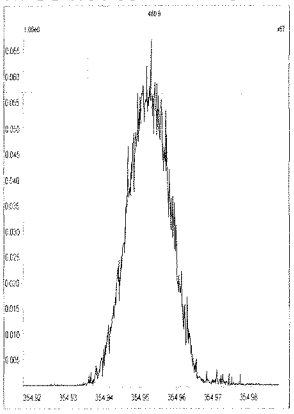
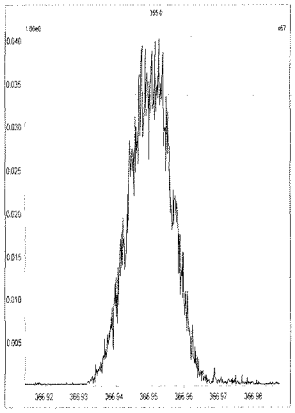
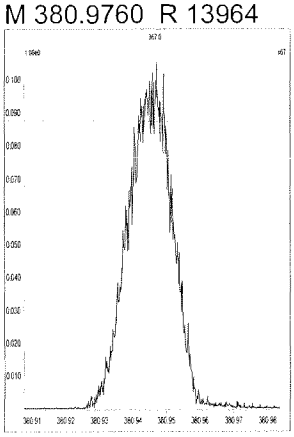
M 354.9792 R 14125



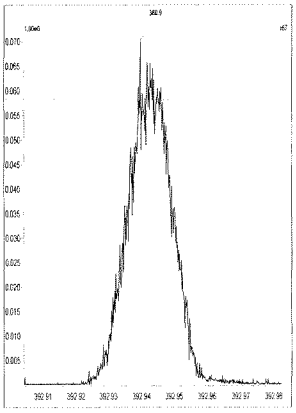
M 366.9792 R 13368



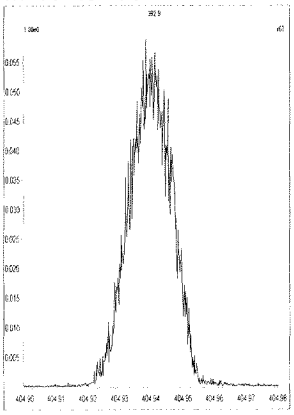
M 380.9760 R 13964



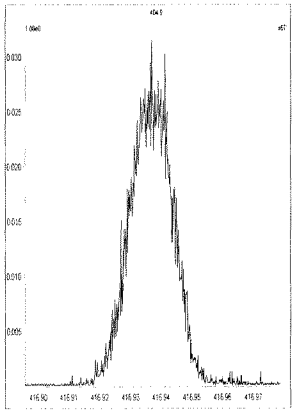
M 392.9760 R 13737



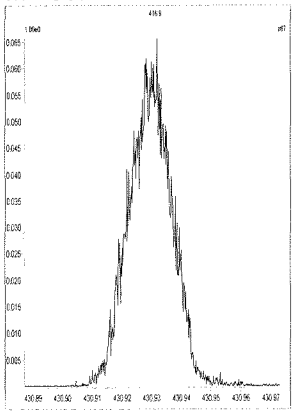
M 404.9760 R 14203



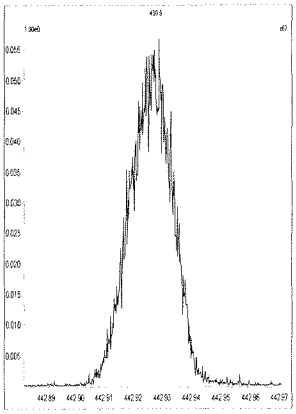
M 416.9760 R 13663



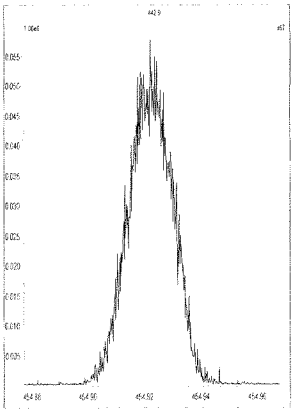
M 430.9728 R 14205



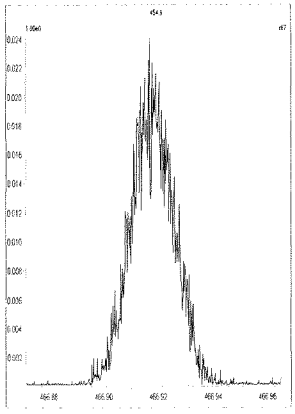
M 442.9728 R 13512



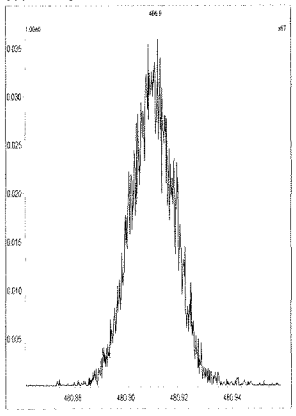
M 454.9728 R 13813



M 466.9728 R 13020



M 480.9696 R 13156



File: Experiment: 1668EPA.exp Reference: pfk.ref Function: 7 @ 200 (ppm)

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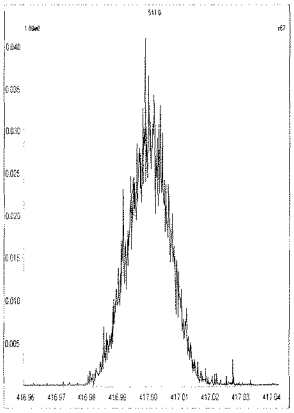
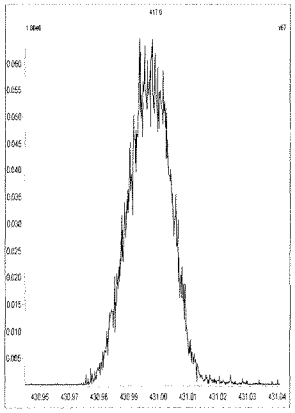
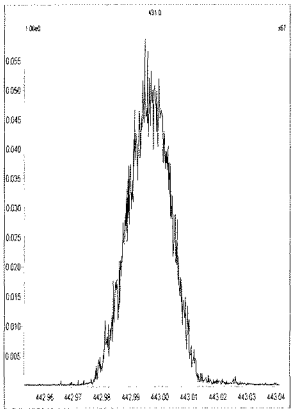
M 416.9760 R 14123



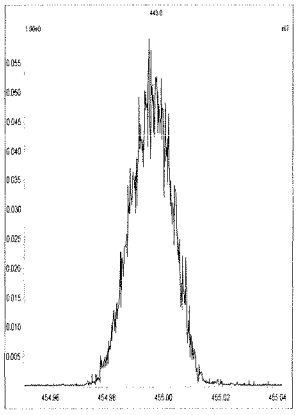
M 430.9728 R 13225



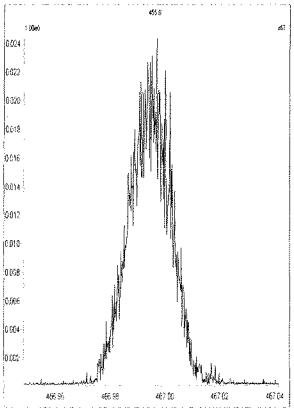
M 442.9728 R 13662



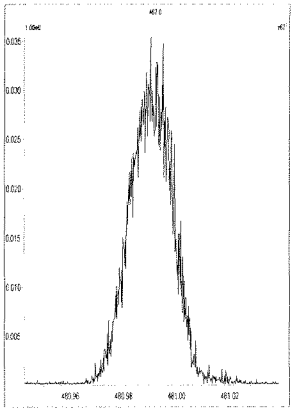
M 454.9728 R 13368



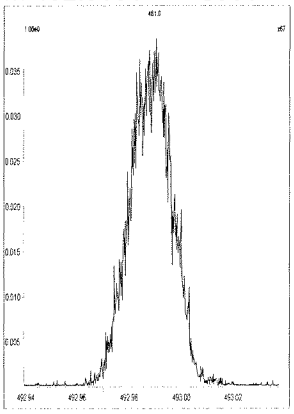
M 466.9728 R 14283



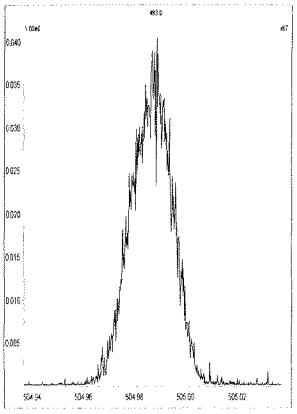
M 480.9696 R 13662



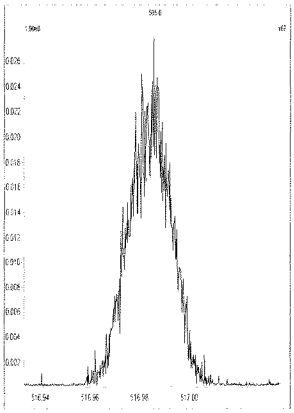
M 492.9696 R 13586



M 504.9696 R 14287



M 516.9697 R 13369



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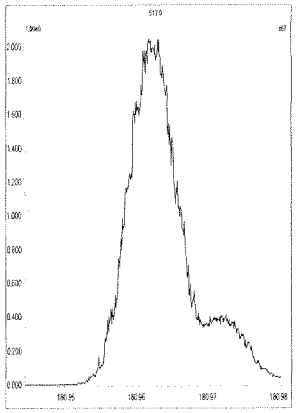
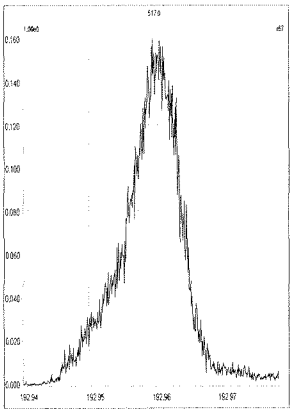
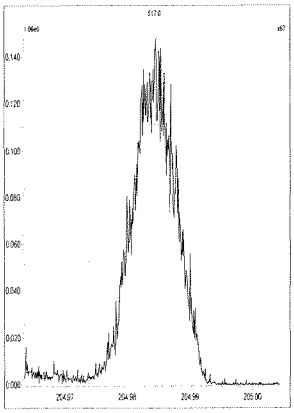
M 180.9888 R 8038



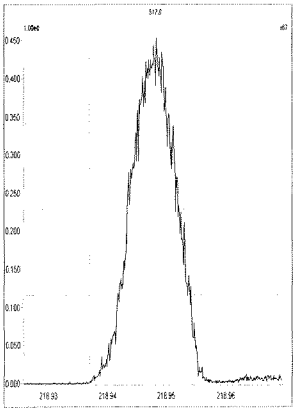
M 192.9888 R 9082



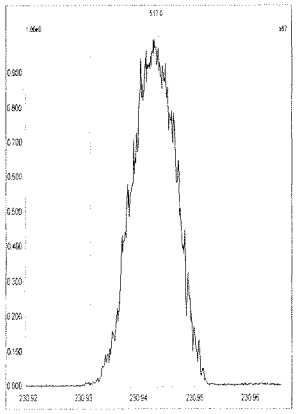
M 204.9888 R 13552



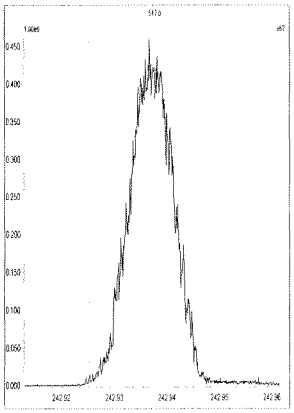
M 218.9856 R 13624



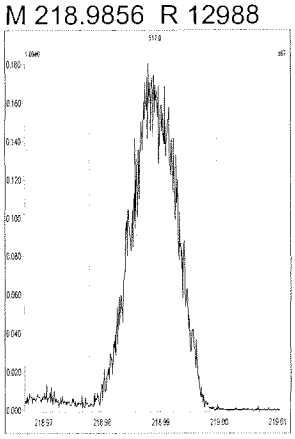
M 230.9856 R 13344



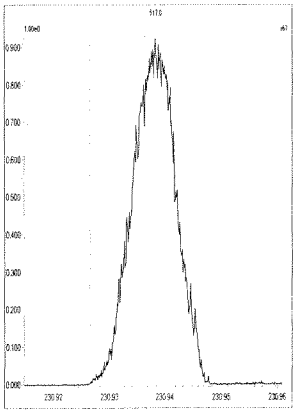
M 242.9856 R 13090



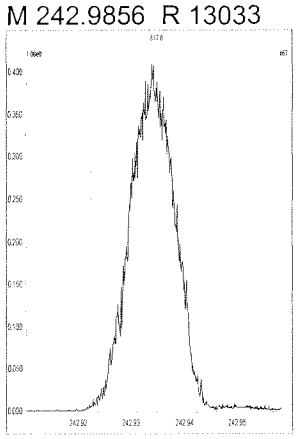
M 218.9856 R 12988



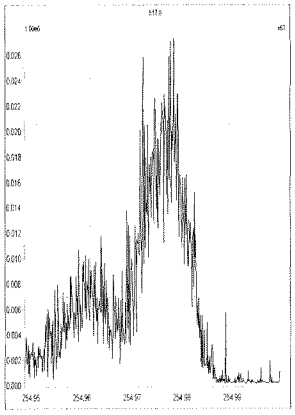
M 230.9856 R 13158



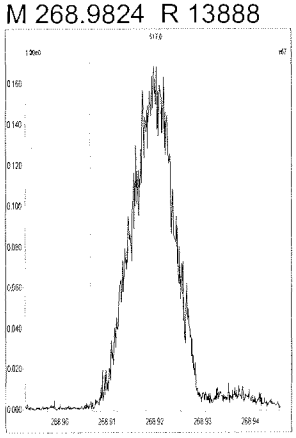
M 242.9856 R 13033



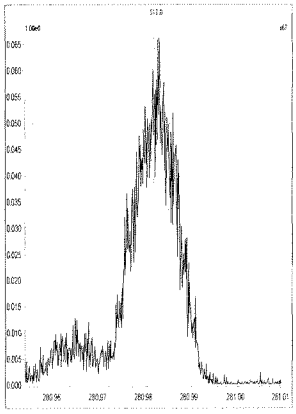
M 254.9856 R 7950



M 268.9824 R 13888



M 280.9824 R 10483



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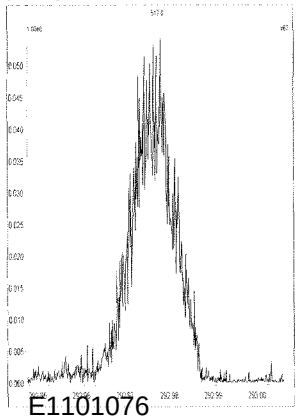

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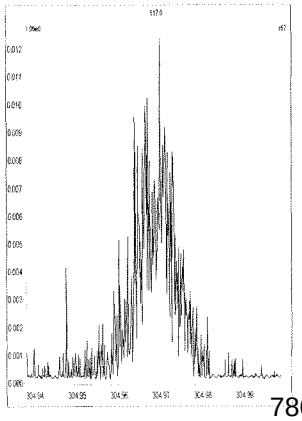
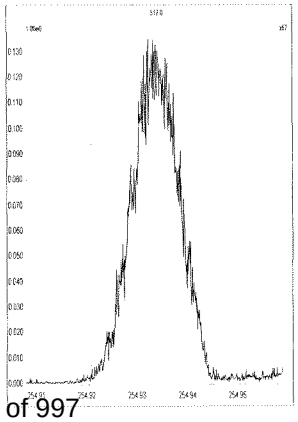
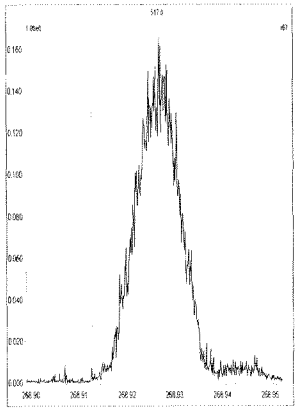


M 254.9856 R 12437



M 268.9824 R 13519



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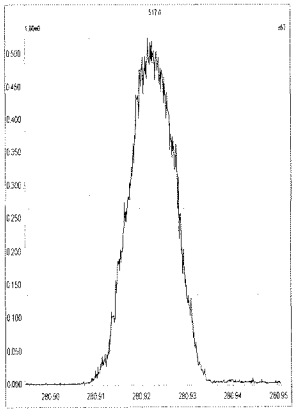
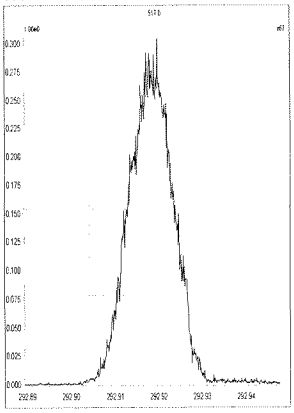
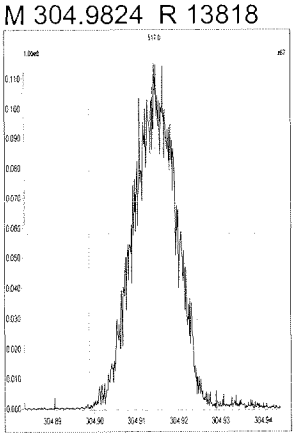
M 280.9824 R 12722



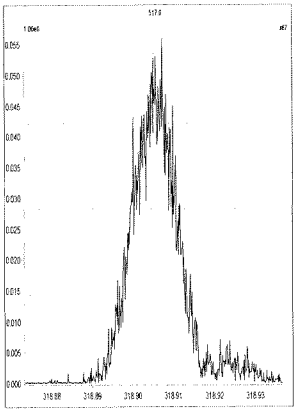
M 292.9824 R 13123



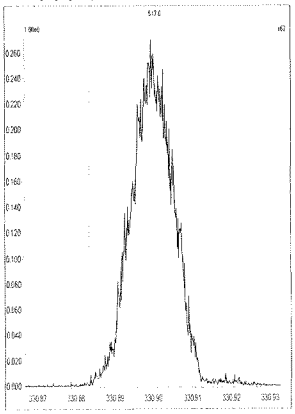
M 304.9824 R 13818



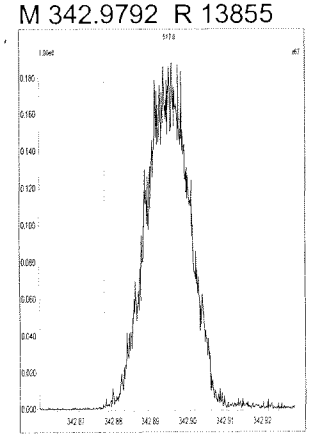
M 318.9792 R 13970



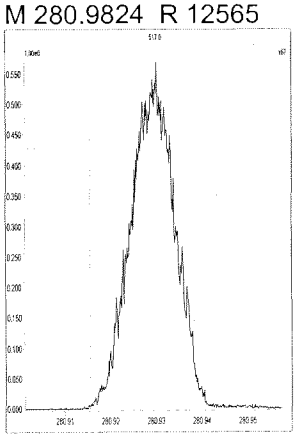
M 330.9792 R 13332



M 342.9792 R 13855



M 280.9824 R 12565



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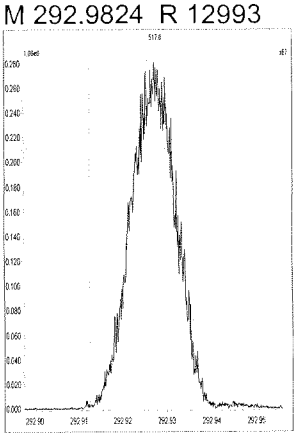
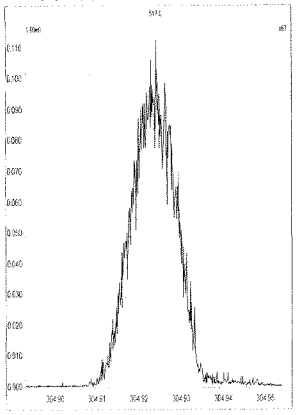
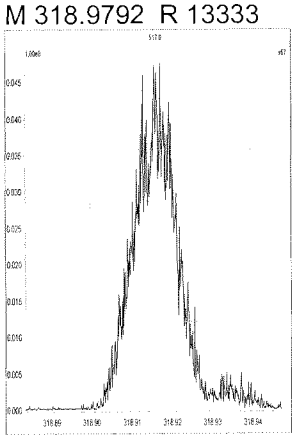


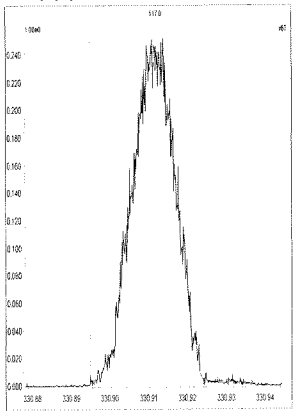
M 304.9824 R 13661



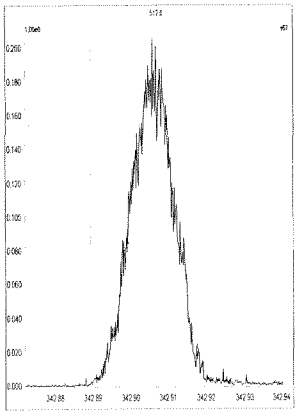
M 318.9792 R 13333



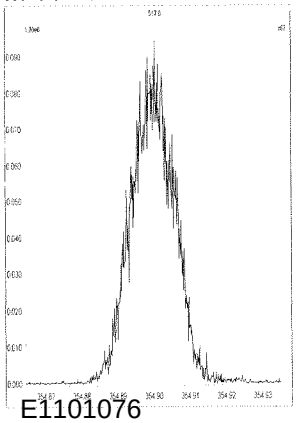
M 330.9792 R 13850



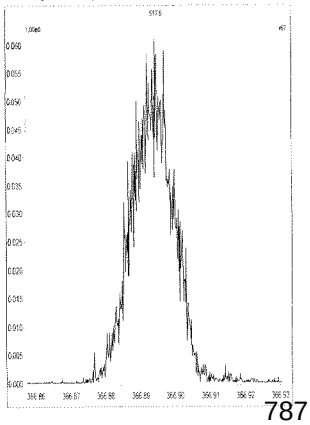
M 342.9792 R 13973



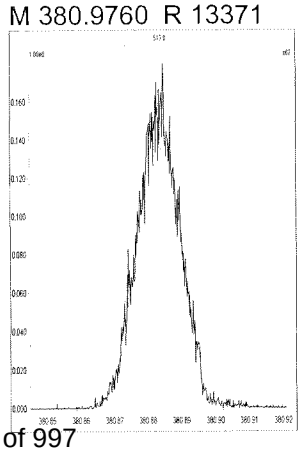
M 354.9792 R 13892



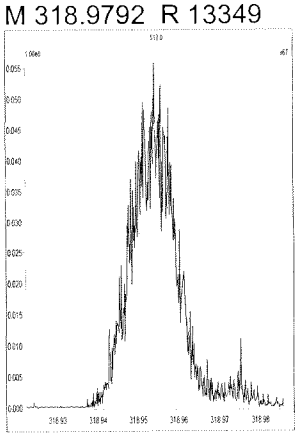
M 366.9792 R 14592



M 380.9760 R 13371



M 318.9792 R 13349



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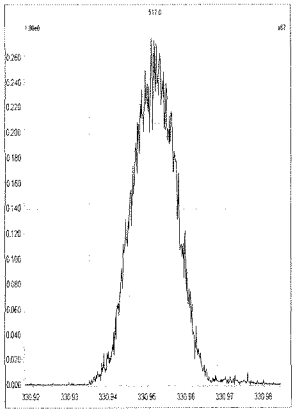
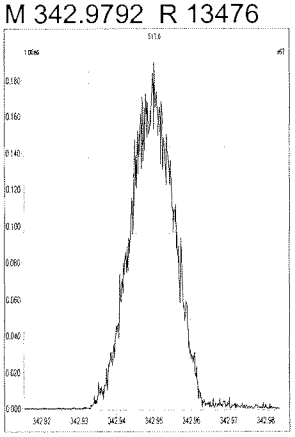
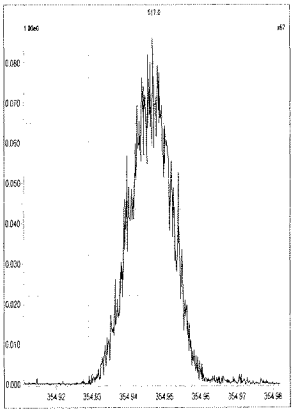
M 330.9792 R 13023



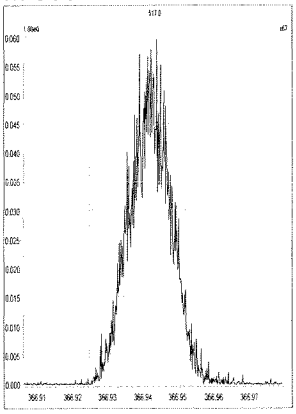
M 342.9792 R 13476



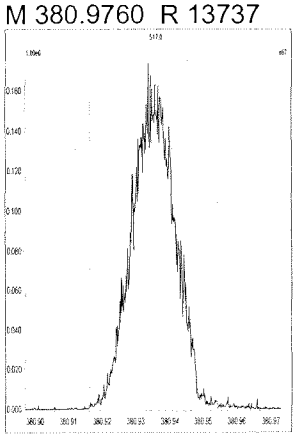
M 354.9792 R 13851



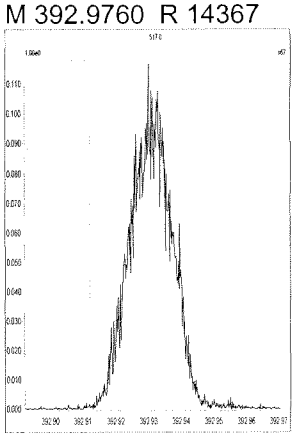
M 366.9792 R 14140



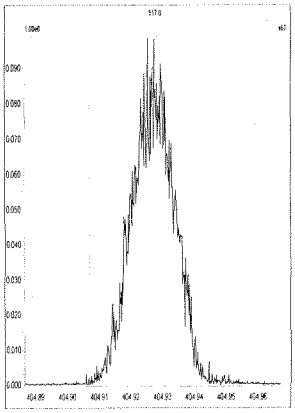
M 380.9760 R 13737



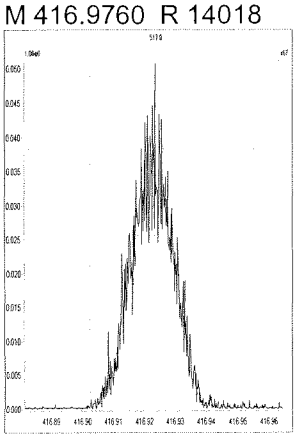
M 392.9760 R 14367



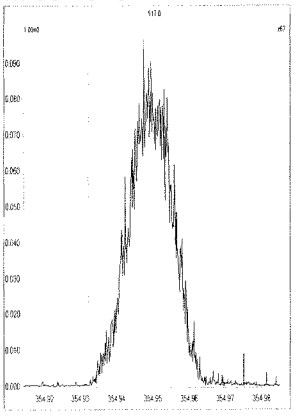
M 404.9760 R 14429



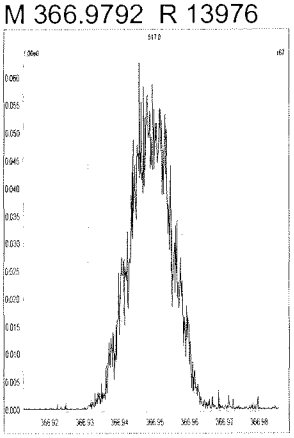
M 416.9760 R 14018



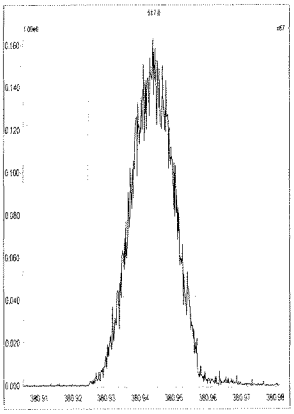
M 354.9792 R 13513



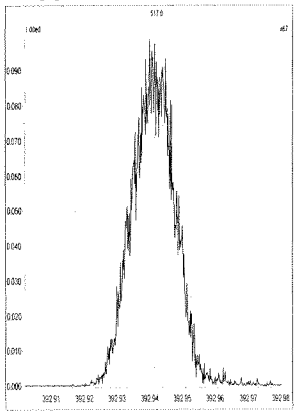
M 366.9792 R 13976



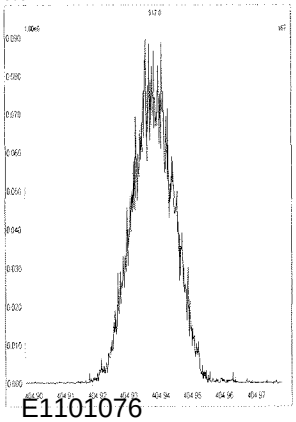
M 380.9760 R 13587



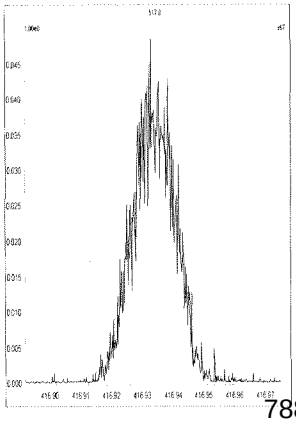
M 392.9760 R 14089



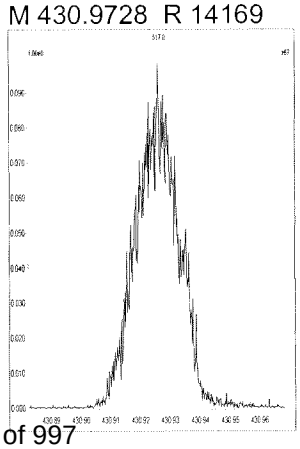
M 404.9760 R 14010



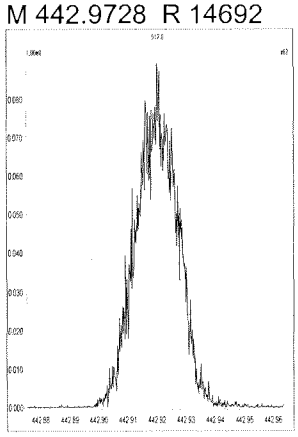
M 416.9760 R 13736



M 430.9728 R 14169



M 442.9728 R 14692



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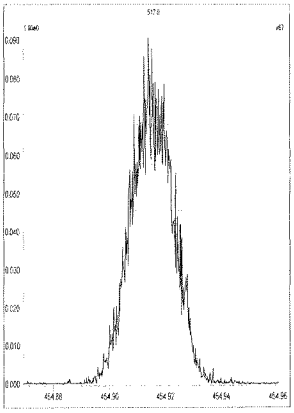
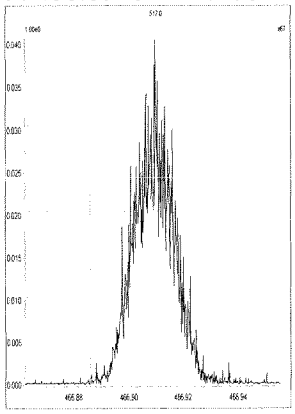
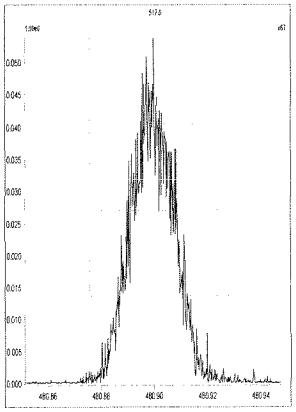
M 454.9728 R 14084



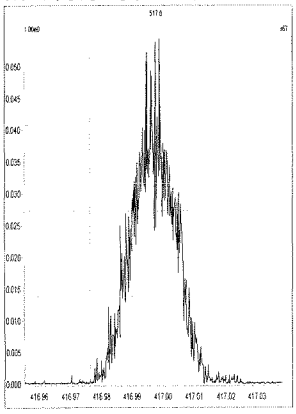
M 466.9728 R 14308



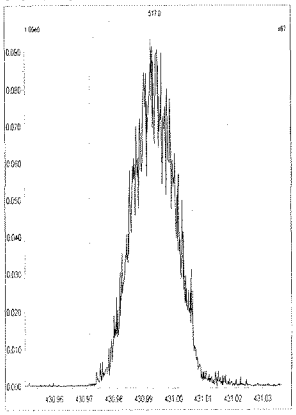
M 480.9696 R 14492



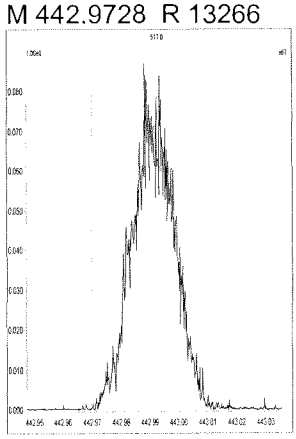
M 416.9760 R 14053



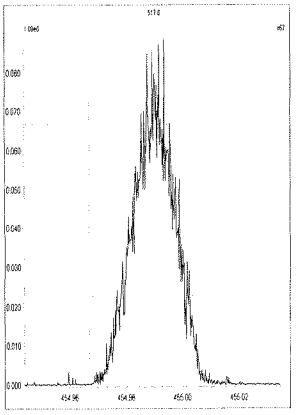
M 430.9728 R 13945



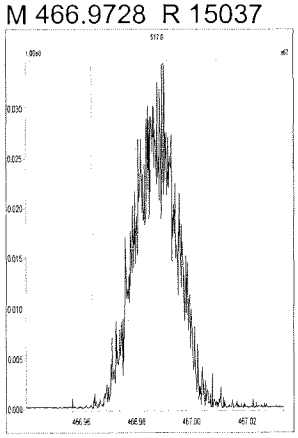
M 442.9728 R 13266



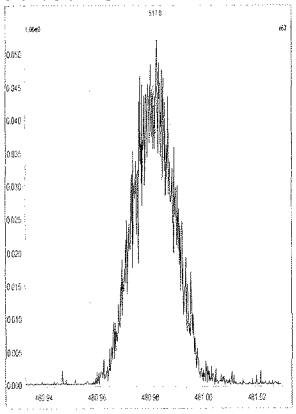
M 454.9728 R 13664



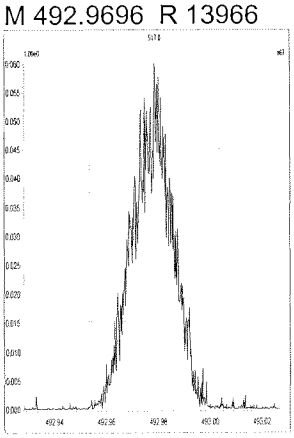
M 466.9728 R 15037



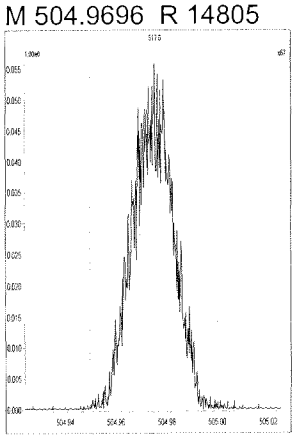
M 480.9696 R 14205



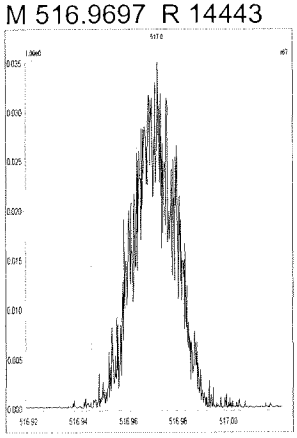
M 492.9696 R 13966



M 504.9696 R 14805



M 516.9697 R 14443



DCCS2091

METHOD 1668
DILUTED COMBINED 209 CONGENER SOLUTION (DCCS-209)

CLIENT ID:

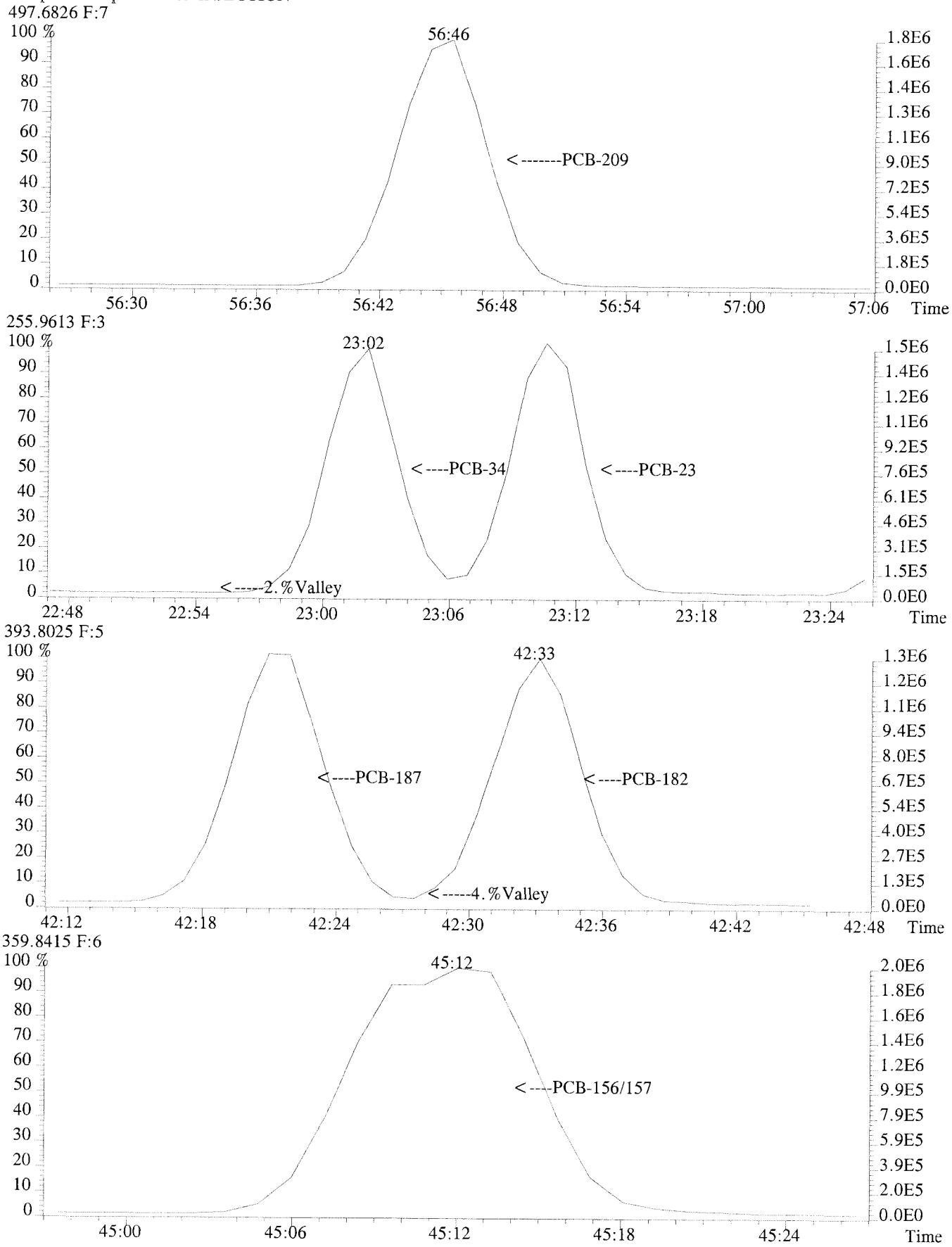
DCCS-209

Lab Name: COLUMBIA ANALYTICAL SERVICES
Lab Code: CAS Case No.: _____ SDG No.:
GC Column: SPB-Octyl ID: 0.25 (mm) Lab File ID: U139139
Date Analyzed: 23-FEB-2011
Time Analyzed: 09:22:35

Retention Time for PCB 209:	(>55 min)	56:46
% Valley between PCB 34 and PCB 23:	(<40%)	2.
% Valley between PCB 187 and PCB 182:	(<40%)	4.
Seconds of coelution between PCB 156 and PCB 157:	(<2 sec)	0

Reference: Section 6.9.1.1 Method 1668

File:U139139 #1-366 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
DCCS-209

Run #2 Filename U139139 Samp: 1 Inj: 1 Acquired: 23-FEB-11 09:22:35
Processed: 23-FEB-11 11:54:19 Sample ID: PCB 209 INJECTION

Cn#	Fxn	Name	RT-1	Resp 1	Resp 2	RatioMeet		Mod?	RRF
1	1	PCB-1	13:02	1.151e+04	3.742e+03	3.08	y	n	1.0666
2	1	PCB-2	15:02	1.059e+04	3.390e+03	3.12	y	n	1.0575
3	1	PCB-3	15:13	1.156e+04	3.719e+03	3.11	y	n	1.0818
4	1	PCB-4	15:28	6.390e+03	4.012e+03	1.59	y	n	1.1746
5	1	PCB-10	15:37	9.245e+03	5.807e+03	1.59	y	n	1.5848
6	2	PCB-9	17:25	7.258e+03	4.631e+03	1.57	y	n	1.2316
7	2	PCB-7	17:35	7.848e+03	5.095e+03	1.54	y	n	1.2598
8	2	PCB-6	17:49	7.384e+03	4.738e+03	1.56	y	n	1.2350
[illegible]	2	PCB-5	18:08	7.437e+03	4.785e+03	1.55	y	n	1.1643
[illegible]	2	PCB-8	18:15	7.522e+03	4.719e+03	1.59	y	n	1.2713
[illegible]	2	PCB-14	19:52	7.177e+03	4.597e+03	1.56	y	n	1.2236
[illegible]	2	PCB-11	20:43	7.471e+03	4.666e+03	1.60	y	n	1.2232
13	2	PCB-12/13	21:02	1.509e+04	9.615e+03	1.57	y	n	1.2167
14	2	PCB-15	21:21	8.076e+03	5.079e+03	1.59	y	n	1.1312
[illegible]	2	PCB-19	18:34	3.852e+03	3.814e+03	1.01	y	n	1.0666
16	2	PCB-18/30	20:22	9.600e+03	9.340e+03	1.03	y	n	1.1053
17	2	PCB-17	20:49	4.140e+03	3.940e+03	1.05	y	n	0.9343
18	2	PCB-27	21:02	5.707e+03	5.498e+03	1.04	y	n	1.3316
19	2	PCB-24	21:09	5.681e+03	5.722e+03	0.99	y	n	1.3004
20	2	PCB-16	21:17	3.412e+03	3.292e+03	1.04	y	n	0.7434
21	2	PCB-32	21:48	5.840e+03	5.718e+03	1.02	y	n	1.3837
22	3	PCB-34	23:02	6.245e+03	5.876e+03	1.06	y	n	1.4141
23	3	PCB-23	23:11	6.754e+03	6.430e+03	1.05	y	n	1.4396
24	3	PCB-26/29	23:30	1.333e+04	1.275e+04	1.05	y	n	1.4982
25	3	PCB-25	23:43	7.733e+03	7.363e+03	1.05	y	n	1.6977
26	3	PCB-31	24:02	6.610e+03	6.267e+03	1.05	y	n	1.5038
[illegible]	3	PCB-20/28	24:21	1.505e+04	1.446e+04	1.04	y	n	1.5821
[illegible]	3	PCB-21/33	24:31	1.411e+04	1.351e+04	1.04	y	n	1.5408
[illegible]	3	PCB-22	24:59	6.831e+03	6.587e+03	1.04	y	n	1.4522
[illegible]	3	PCB-36	26:31	6.638e+03	6.233e+03	1.06	y	y	1.5043
31	3	PCB-39	26:53	7.402e+03	6.909e+03	1.07	y	n	1.5523
32	3	PCB-38	27:27	6.225e+03	5.855e+03	1.06	y	n	1.4038
33	3	PCB-35	27:56	6.226e+03	5.932e+03	1.05	y	n	1.4041
[illegible]	3	PCB-37	28:21	6.418e+03	6.039e+03	1.06	y	n	1.1161
35	2	PCB-54	21:38	8.214e+03	1.077e+04	0.76	y	n	1.1352
36	3	PCB-50/53	23:46	1.427e+04	1.861e+04	0.77	y	n	0.9871
37	3	PCB-45/51	24:29	1.465e+04	1.900e+04	0.77	y	n	0.9807
38	3	PCB-46	24:45	6.403e+03	8.277e+03	0.77	y	n	0.8598
39	3	PCB-52	26:09	6.998e+03	9.201e+03	0.76	y	y	1.0143
40	3	PCB-43/73	26:17	1.627e+04	2.079e+04	0.78	y	y	1.0699
41	3	PCB-49/69	26:34	1.654e+04	2.149e+04	0.77	y	n	1.1574
42	3	PCB-48	26:54	7.477e+03	9.602e+03	0.78	y	n	0.9868
43	3	PCB-44/47/65	27:09	2.406e+04	3.157e+04	0.76	y	n	1.1000
44	3	PCB-59/62/75	27:28	2.858e+04	3.707e+04	0.77	y	n	1.3156
[illegible]	3	PCB-42	27:40	6.948e+03	9.011e+03	0.77	y	n	0.9426
[illegible]	3	PCB-40/41/71	28:10	2.108e+04	2.795e+04	0.75	y	y	0.9716
[illegible]	3	PCB-64	28:23	1.017e+04	1.352e+04	0.75	y	n	1.3928
[illegible]	3	PCB-72	29:11	9.040e+03	1.245e+04	0.73	y	n	1.3389
49	3	PCB-68	29:29	9.976e+03	1.380e+04	0.72	y	y	1.3720
50	3	PCB-57	29:54	8.687e+03	1.223e+04	0.71	y	n	1.2905

51	3	PCB-58	30:08	9.932e+03	1.369e+04	0.73	y	n	1.3476
52	3	PCB-67	30:19	1.094e+04	1.524e+04	0.72	y	n	1.5028
53	3	PCB-63	30:35	9.123e+03	1.284e+04	0.71	y	n	1.3447
54	3	PCB-61/70/74/76	30:55	4.094e+04	5.379e+04	0.76	y	y	1.3659
55	3	PCB-66	31:14	9.412e+03	1.234e+04	0.76	y	n	1.3191
56	3	PCB-55	31:25	9.439e+03	1.259e+04	0.75	y	n	1.2315
57	4	PCB-56	31:56	1.033e+04	1.310e+04	0.79	y	n	1.2931
58	4	PCB-60	32:09	1.033e+04	1.312e+04	0.79	y	n	1.2844
59	4	PCB-80	32:31	1.090e+04	1.381e+04	0.79	y	n	1.4307
[illegible]	4	PCB-79	34:04	1.000e+04	1.268e+04	0.79	y	n	1.3526
[illegible]	4	PCB-78	34:37	8.511e+03	1.121e+04	0.76	y	n	1.1691
[illegible]	4	PCB-81	35:04	8.352e+03	1.065e+04	0.78	y	n	1.1271
[illegible]	4	PCB-77	35:39	8.742e+03	1.090e+04	0.80	y	n	1.0949
64	3	PCB-104	27:04	1.262e+04	8.021e+03	1.57	y	n	1.0712
65	3	PCB-96	27:28	1.134e+04	7.096e+03	1.60	y	n	1.1873
[illegible]	3	PCB-103	29:22	9.045e+03	5.697e+03	1.59	y	n	0.9528
67	3	PCB-94	29:36	8.225e+03	5.224e+03	1.57	y	n	0.8124
68	3	PCB-95	30:03	9.021e+03	5.572e+03	1.62	y	n	0.9202
69	3	PCB-93/100	30:15	1.873e+04	1.156e+04	1.62	y	n	0.9145
70	3	PCB-98/102	30:24	1.944e+04	1.194e+04	1.63	y	n	0.9252
71	3	PCB-88/91	30:54	1.764e+04	1.106e+04	1.59	y	y	0.8779
72	3	PCB-84	31:09	8.179e+03	5.221e+03	1.57	y	n	0.8049
73	3	PCB-89	31:37	8.249e+03	5.091e+03	1.62	y	n	0.8242
74	4	PCB-121	31:59	1.275e+04	8.053e+03	1.58	y	n	1.2111
75	4	PCB-92	32:23	8.126e+03	5.180e+03	1.57	y	n	0.8293
76	4	PCB-90/101/113	32:57	2.874e+04	1.843e+04	1.56	y	n	0.9636
77	4	PCB-83/99	33:32	1.665e+04	1.068e+04	1.56	y	y	0.8360
[illegible]	4	PCB-112	33:40	1.185e+04	7.654e+03	1.55	y	y	1.1704
[illegible]	4	PCB-86/87/97/109/119/125	34:01	5.970e+04	3.823e+04	1.56	y	y	0.9848
[illegible]	4	PCB-117	34:41	1.092e+04	7.069e+03	1.54	y	n	1.0445
[illegible]	4	PCB-85/116	34:45	1.993e+04	1.282e+04	1.55	y	n	1.0221
82	4	PCB-110/115	34:59	2.376e+04	1.504e+04	1.58	y	n	1.1560
83	4	PCB-82	35:16	6.909e+03	4.474e+03	1.54	y	n	0.7098
[illegible]	4	PCB-111	35:38	1.196e+04	7.511e+03	1.59	y	n	1.1457
[illegible]	4	PCB-120	36:05	1.124e+04	7.087e+03	1.59	y	n	1.1569
86	5	PCB-108/124	37:14	2.089e+04	1.338e+04	1.56	y	y	1.0211
87	5	PCB-107	37:29	1.197e+04	7.460e+03	1.61	y	y	1.1388
88	5	PCB-123	37:35	1.106e+04	7.494e+03	1.48	y	y	1.1226
89	5	PCB-106	37:43	1.118e+04	7.092e+03	1.58	y	y	1.0897
90	5	PCB-118	37:55	1.105e+04	6.950e+03	1.59	y	y	1.0466
91	5	PCB-122	38:17	9.810e+03	6.081e+03	1.61	y	y	0.9704
92	5	PCB-114	38:27	1.134e+04	7.202e+03	1.58	y	y	1.1558
93	5	PCB-105	39:07	1.020e+04	6.426e+03	1.59	y	y	1.1219
94	5	PCB-127	40:34	9.639e+03	6.164e+03	1.56	y	y	0.9584
95	5	PCB-126	42:12	9.837e+03	6.235e+03	1.58	y	y	1.1000
[illegible]	4	PCB-155	32:42	1.122e+04	9.055e+03	1.24	y	y	1.0527
[illegible]	4	PCB-152	32:56	9.769e+03	7.758e+03	1.26	y	y	1.5809
[illegible]	4	PCB-150	33:05	1.069e+04	8.676e+03	1.23	y	y	1.6243
[illegible]	4	PCB-136	33:28	9.744e+03	7.678e+03	1.27	y	y	1.5484
100	4	PCB-145	33:45	1.041e+04	8.200e+03	1.27	y	y	1.5519
101	4	PCB-148	35:15	7.090e+03	5.632e+03	1.26	y	y	1.1360
[illegible]	4	PCB-135/151	35:54	1.443e+04	1.148e+04	1.26	y	y	1.1159
103	4	PCB-154	36:04	8.749e+03	6.939e+03	1.26	y	y	1.3417
104	4	PCB-144	36:24	7.195e+03	5.712e+03	1.26	y	y	1.1498
105	5	PCB-147/149	36:46	1.532e+04	1.240e+04	1.24	y	n	1.1457
106	5	PCB-134	36:59	6.226e+03	5.053e+03	1.23	y	n	0.9297
107	5	PCB-143	37:04	6.115e+03	5.013e+03	1.22	y	n	1.0039

108	5	PCB-139/140	37:21	1.479e+04	1.202e+04	1.23	y	n	1.1202
109	5	PCB-131	37:35	6.624e+03	5.308e+03	1.25	y	n	0.9952
110	5	PCB-142	37:43	6.632e+03	5.424e+03	1.22	y	n	0.9967
111	5	PCB-132	38:03	6.495e+03	5.291e+03	1.23	y	n	0.9626
112	5	PCB-133	38:31	6.156e+03	4.968e+03	1.24	y	n	0.9737
113	5	PCB-165	38:54	8.690e+03	6.996e+03	1.24	y	n	1.3058
114	5	PCB-146	39:09	7.554e+03	6.135e+03	1.23	y	n	1.1500
115	5	PCB-161	39:18	8.534e+03	6.741e+03	1.27	y	n	1.3630
116	5	PCB-153/168	39:47	1.659e+04	1.325e+04	1.25	y	n	1.2751
117	5	PCB-141	39:58	6.783e+03	5.443e+03	1.25	y	n	1.0384
118	5	PCB-130	40:23	5.522e+03	4.324e+03	1.28	y	n	0.8712
119	5	PCB-137	40:36	6.683e+03	5.357e+03	1.25	y	n	0.9903
120	5	PCB-164	40:43	8.935e+03	7.099e+03	1.26	y	n	1.3680
121	5	PCB-129/138/163	41:02	2.078e+04	1.669e+04	1.24	y	n	1.0712
122	5	PCB-160	41:11	9.149e+03	7.542e+03	1.21	y	n	1.3432
123	5	PCB-158	41:25	9.681e+03	7.582e+03	1.28	y	n	1.4709
124	5	PCB-128/166	42:16	1.425e+04	1.158e+04	1.23	y	n	1.1215
125	6	PCB-159	43:16	6.212e+03	5.082e+03	1.22	y	n	0.9766
126	6	PCB-162	43:33	7.002e+03	5.553e+03	1.26	y	n	1.0155
127	6	PCB-167	44:02	6.217e+03	5.017e+03	1.24	y	n	1.0787
128	6	PCB-156/157	45:12	1.259e+04	1.023e+04	1.23	y	n	1.0875
129	6	PCB-169	48:26	6.213e+03	4.999e+03	1.24	y	n	1.1417
130	5	PCB-188	38:24	9.083e+03	8.706e+03	1.04	y	n	1.0368
131	5	PCB-179	38:46	8.247e+03	8.031e+03	1.03	y	n	1.2808
132	5	PCB-184	39:16	9.272e+03	8.960e+03	1.03	y	n	1.3356
133	5	PCB-176	39:38	8.246e+03	7.823e+03	1.05	y	n	1.2496
134	5	PCB-186	40:06	8.892e+03	8.402e+03	1.06	y	n	1.2488
135	5	PCB-178	41:27	5.678e+03	5.517e+03	1.03	y	n	0.8677
136	5	PCB-175	42:05	5.951e+03	5.641e+03	1.05	y	n	0.9047
137	5	PCB-187	42:21	6.930e+03	6.746e+03	1.03	y	n	1.0141
138	5	PCB-182	42:33	6.487e+03	6.205e+03	1.05	y	n	0.9507
139	6	PCB-183	42:57	4.016e+03	4.035e+03	1.00	y	n	0.6449
140	6	PCB-185	43:05	4.450e+03	4.350e+03	1.02	y	n	0.5833
141	6	PCB-174	43:13	4.092e+03	4.070e+03	1.01	y	n	0.5948
142	6	PCB-177	43:40	3.762e+03	3.716e+03	1.01	y	n	0.5634
143	6	PCB-181	44:03	4.182e+03	4.120e+03	1.01	y	n	0.5856
144	6	PCB-171/173	44:16	7.359e+03	7.179e+03	1.02	y	n	0.5404
145	6	PCB-172	45:53	3.612e+03	3.587e+03	1.01	y	n	0.5322
146	6	PCB-192	46:10	5.120e+03	5.007e+03	1.02	y	n	0.7015
147	6	PCB-180/193	46:31	9.554e+03	9.413e+03	1.02	y	n	0.6841
148	6	PCB-191	46:54	4.832e+03	4.760e+03	1.02	y	n	0.7160
149	6	PCB-170	47:48	3.501e+03	3.346e+03	1.05	y	n	0.5014
150	6	PCB-190	48:20	4.782e+03	4.835e+03	0.99	y	y	0.7096
151	6	PCB-189	50:54	5.493e+03	5.422e+03	1.01	y	n	0.9627
152	6	PCB-202	43:46	7.716e+03	8.662e+03	0.89	y	n	0.9487
153	6	PCB-201	44:41	7.084e+03	8.269e+03	0.86	y	n	1.0376
154	6	PCB-204	45:21	7.293e+03	8.121e+03	0.90	y	n	1.0298
155	6	PCB-197	45:34	8.322e+03	9.427e+03	0.88	y	n	1.1315
156	6	PCB-200	45:42	7.009e+03	7.870e+03	0.89	y	n	0.9908
157	6	PCB-198/199	48:28	1.075e+04	1.228e+04	0.88	y	n	0.7229
158	6	PCB-196	49:08	6.063e+03	6.912e+03	0.88	y	n	0.7859
159	6	PCB-203	49:21	6.824e+03	7.753e+03	0.88	y	n	0.8424
160	6	PCB-195	50:41	5.790e+03	6.438e+03	0.90	y	n	0.7280
161	6	PCB-194	52:59	4.921e+03	5.586e+03	0.88	y	n	0.6682
162	6	PCB-205	53:28	6.667e+03	7.653e+03	0.87	y	n	0.9442
163	6	PCB-208	50:24	6.159e+03	7.871e+03	0.78	y	n	1.0072
164	6	PCB-207	51:19	5.420e+03	6.982e+03	0.78	y	n	1.0881

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165	7	PCB-206	55:11	4.653e+03	6.069e+03	0.77	y	n	1.0055
166	7	PCB-209	56:45	8.461e+03	7.159e+03	1.18	y	n	1.0655
167	1	PCB-1L	13:02	3.951e+04	1.275e+04	3.10	y	n	1.1105
168	1	PCB-3L	15:12	3.929e+04	1.253e+04	3.14	y	n	1.1185
169	1	PCB-4L	15:26	1.978e+04	1.268e+04	1.56	y	n	0.7143
170	2	PCB-15L	21:20	2.500e+04	1.619e+04	1.54	y	n	0.9198
171	2	PCB-19L	18:32	1.329e+04	1.298e+04	1.02	y	n	0.5728
172	3	PCB-37L	28:20	2.038e+04	1.928e+04	1.06	y	n	1.1984
173	2	PCB-54L	21:37	1.373e+04	1.726e+04	0.80	y	n	0.9434
174	4	PCB-81L	35:03	1.418e+04	1.750e+04	0.81	y	n	0.9650
175	4	PCB-77L	35:37	1.431e+04	1.810e+04	0.79	y	n	0.9560
176	3	PCB-104L	27:03	2.130e+04	1.366e+04	1.56	y	n	1.2477
177	5	PCB-123L	37:35	1.793e+04	1.148e+04	1.56	y	n	1.0121
178	5	PCB-118L	37:54	1.820e+04	1.150e+04	1.58	y	n	1.0412
179	5	PCB-114L	38:26	1.716e+04	1.078e+04	1.59	y	n	0.9798
180	5	PCB-105L	39:06	1.694e+04	1.063e+04	1.59	y	n	0.9709
181	5	PCB-126L	42:11	1.618e+04	1.041e+04	1.55	y	n	0.8968
182	4	PCB-155L	32:41	1.942e+04	1.543e+04	1.26	y	n	1.4382
183	6	PCB-167L	43:59	1.076e+04	8.632e+03	1.25	y	n	0.7864
184	6	PCB-156/157L	45:10	2.110e+04	1.641e+04	1.29	y	n	0.7553
185	6	PCB-169L	48:25	9.890e+03	7.614e+03	1.30	y	n	0.6581
186	5	PCB-188L	38:22	1.596e+04	1.504e+04	1.06	y	n	2.3395
187	6	PCB-189L	50:53	1.022e+04	9.887e+03	1.03	y	n	1.3367
188	6	PCB-202L	43:45	9.769e+03	1.086e+04	0.90	y	n	1.5472
189	6	PCB-205L	53:25	8.589e+03	9.567e+03	0.90	y	n	1.2832
190	6	PCB-208L	50:22	7.423e+03	9.297e+03	0.80	y	n	1.1831
191	7	PCB-206L	55:09	5.576e+03	7.186e+03	0.78	y	n	0.8743
192	7	PCB-209L	56:43	9.083e+03	7.535e+03	1.21	y	n	1.1942
193	3	PCB-28L	24:19	2.541e+04	2.421e+04	1.05	y	n	1.4085
194	4	PCB-111L	35:36	1.993e+04	1.250e+04	1.59	y	n	1.1479
195	5	PCB-178L	41:26	9.851e+03	9.360e+03	1.05	y	n	0.7741
196	2	PCB-9L	17:24	2.711e+04	1.729e+04	1.57	y	n	-
197	3	PCB-52L	26:07	1.410e+04	1.796e+04	0.78	y	n	-
198	4	PCB-101L	32:56	1.750e+04	1.086e+04	1.61	y	n	-
199	5	PCB-138L	40:59	1.441e+04	1.141e+04	1.26	y	n	-
200	6	PCB-194L	52:58	6.368e+03	6.962e+03	0.91	y	n	-

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
DCCS-209

Run #2 Filename U139139#1 Samp: 1 Inj: 1 Acquired: 23-FEB-11 09:22:35

Processed: 23-FEB-11 11:54:19 LAB. ID: PCB 209 INJECTION

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	PCB-1	3.24e+06	4.50e+03	7.2e+02	1.07e+06	4.22e+03	2.5e+02
2	PCB-2	2.67e+06	4.50e+03	5.9e+02	8.65e+05	4.22e+03	2.0e+02
3	PCB-3	2.93e+06	4.50e+03	6.5e+02	9.47e+05	4.22e+03	2.2e+02
	PCB-4	1.59e+06	3.40e+03	4.7e+02	1.00e+06	1.13e+04	8.8e+01
	PCB-10	2.30e+06	3.40e+03	6.8e+02	1.47e+06	1.13e+04	1.3e+02
	PCB-9	1.92e+06	2.46e+03	7.8e+02	1.23e+06	1.25e+04	9.8e+01
7	PCB-7	2.02e+06	2.46e+03	8.2e+02	1.31e+06	1.25e+04	1.0e+02
8	PCB-6	1.84e+06	2.46e+03	7.5e+02	1.19e+06	1.25e+04	9.5e+01
9	PCB-5	1.86e+06	2.46e+03	7.6e+02	1.20e+06	1.25e+04	9.6e+01
10	PCB-8	1.92e+06	2.46e+03	7.8e+02	1.22e+06	1.25e+04	9.7e+01
11	PCB-14	1.68e+06	2.46e+03	6.9e+02	1.07e+06	1.25e+04	8.5e+01
12	PCB-11	1.65e+06	2.46e+03	6.7e+02	1.05e+06	1.25e+04	8.4e+01
13	PCB-12/13	2.81e+06	2.46e+03	1.1e+03	1.81e+06	1.25e+04	1.4e+02
14	PCB-15	1.72e+06	2.46e+03	7.0e+02	1.10e+06	1.25e+04	8.8e+01
15	PCB-19	9.42e+05	2.39e+03	3.9e+02	9.20e+05	1.30e+03	7.1e+02
16	PCB-18/30	1.57e+06	2.39e+03	6.6e+02	1.53e+06	1.30e+03	1.2e+03
17	PCB-17	1.01e+06	2.39e+03	4.2e+02	9.57e+05	1.30e+03	7.4e+02
18	PCB-27	1.36e+06	2.39e+03	5.7e+02	1.30e+06	1.30e+03	1.0e+03
19	PCB-24	1.35e+06	2.39e+03	5.6e+02	1.36e+06	1.30e+03	1.0e+03
20	PCB-16	8.38e+05	2.39e+03	3.5e+02	7.99e+05	1.30e+03	6.1e+02
	PCB-32	1.39e+06	2.39e+03	5.8e+02	1.36e+06	1.30e+03	1.0e+03
	PCB-34	1.30e+06	4.06e+03	3.2e+02	1.21e+06	7.15e+03	1.7e+02
	PCB-23	1.41e+06	4.06e+03	3.5e+02	1.33e+06	7.15e+03	1.9e+02
24	PCB-26/29	2.59e+06	4.06e+03	6.4e+02	2.47e+06	7.15e+03	3.5e+02
25	PCB-25	1.50e+06	4.06e+03	3.7e+02	1.44e+06	7.15e+03	2.0e+02
26	PCB-31	1.35e+06	4.06e+03	3.3e+02	1.30e+06	7.15e+03	1.8e+02
27	PCB-20/28	2.54e+06	4.06e+03	6.2e+02	2.41e+06	7.15e+03	3.4e+02
28	PCB-21/33	1.66e+06	4.06e+03	4.1e+02	1.56e+06	7.15e+03	2.2e+02
29	PCB-22	1.40e+06	4.06e+03	3.4e+02	1.34e+06	7.15e+03	1.9e+02
30	PCB-36	1.24e+06	4.06e+03	3.1e+02	1.20e+06	7.15e+03	1.7e+02
31	PCB-39	1.41e+06	4.06e+03	3.5e+02	1.33e+06	7.15e+03	1.9e+02
32	PCB-38	1.18e+06	4.06e+03	2.9e+02	1.13e+06	7.15e+03	1.6e+02
33	PCB-35	1.11e+06	4.06e+03	2.7e+02	1.06e+06	7.15e+03	1.5e+02
34	PCB-37	1.21e+06	4.06e+03	3.0e+02	1.14e+06	7.15e+03	1.6e+02
35	PCB-54	1.93e+06	1.27e+03	1.5e+03	2.54e+06	1.13e+03	2.2e+03
36	PCB-50/53	2.92e+06	9.36e+02	3.1e+03	3.78e+06	1.04e+03	3.7e+03
37	PCB-45/51	1.79e+06	9.36e+02	1.9e+03	2.30e+06	1.04e+03	2.2e+03
38	PCB-46	1.30e+06	9.36e+02	1.4e+03	1.68e+06	1.04e+03	1.6e+03
	PCB-52	1.43e+06	9.36e+02	1.5e+03	1.91e+06	1.04e+03	1.8e+03
	PCB-43/73	2.00e+06	9.36e+02	2.1e+03	2.54e+06	1.04e+03	2.5e+03
	PCB-49/69	2.04e+06	9.36e+02	2.2e+03	2.73e+06	1.04e+03	2.6e+03
42	PCB-48	1.47e+06	9.36e+02	1.6e+03	1.90e+06	1.04e+03	1.8e+03
43	PCB-44/47/65	4.27e+06	9.36e+02	4.6e+03	5.69e+06	1.04e+03	5.5e+03
44	PCB-59/62/75	4.22e+06	9.36e+02	4.5e+03	5.41e+06	1.04e+03	5.2e+03
45	PCB-42	1.36e+06	9.36e+02	1.5e+03	1.78e+06	1.04e+03	1.7e+03
46	PCB-40/41/71	3.06e+06	9.36e+02	3.3e+03	4.06e+06	1.04e+03	3.9e+03
47	PCB-64	2.01e+06	9.36e+02	2.1e+03	2.66e+06	1.04e+03	2.6e+03

48	PCB-72	1.82e+06	9.36e+02	1.9e+03	2.44e+06	1.04e+03	2.4e+03
49	PCB-68	1.96e+06	9.36e+02	2.1e+03	2.62e+06	1.04e+03	2.5e+03
50	PCB-57	1.69e+06	9.36e+02	1.8e+03	2.30e+06	1.04e+03	2.2e+03
51	PCB-58	1.93e+06	9.36e+02	2.1e+03	2.53e+06	1.04e+03	2.4e+03
52	PCB-67	2.01e+06	9.36e+02	2.1e+03	2.63e+06	1.04e+03	2.5e+03
	PCB-63	1.77e+06	9.36e+02	1.9e+03	2.39e+06	1.04e+03	2.3e+03
	PCB-61/70/74/76	4.24e+06	9.36e+02	4.5e+03	5.51e+06	1.04e+03	5.3e+03
	PCB-66	1.78e+06	9.36e+02	1.9e+03	2.30e+06	1.04e+03	2.2e+03
56	PCB-55	1.80e+06	9.36e+02	1.9e+03	2.47e+06	1.04e+03	2.4e+03
57	PCB-56	1.95e+06	5.62e+03	3.5e+02	2.48e+06	5.74e+03	4.3e+02
58	PCB-60	1.92e+06	5.62e+03	3.4e+02	2.47e+06	5.74e+03	4.3e+02
	PCB-80	2.05e+06	5.62e+03	3.7e+02	2.56e+06	5.74e+03	4.5e+02
60	PCB-79	1.69e+06	5.62e+03	3.0e+02	2.18e+06	5.74e+03	3.8e+02
61	PCB-78	1.53e+06	5.62e+03	2.7e+02	2.01e+06	5.74e+03	3.5e+02
62	PCB-81	1.48e+06	5.62e+03	2.6e+02	1.89e+06	5.74e+03	3.3e+02
63	PCB-77	1.57e+06	5.62e+03	2.8e+02	1.93e+06	5.74e+03	3.4e+02
64	PCB-104	2.55e+06	1.36e+03	1.9e+03	1.62e+06	1.23e+03	1.3e+03
65	PCB-96	2.24e+06	1.36e+03	1.6e+03	1.39e+06	1.23e+03	1.1e+03
66	PCB-103	1.80e+06	1.36e+03	1.3e+03	1.13e+06	1.23e+03	9.2e+02
67	PCB-94	1.62e+06	1.36e+03	1.2e+03	1.01e+06	1.23e+03	8.2e+02
68	PCB-95	1.73e+06	1.36e+03	1.3e+03	1.09e+06	1.23e+03	8.8e+02
69	PCB-93/100	2.84e+06	1.36e+03	2.1e+03	1.76e+06	1.23e+03	1.4e+03
	PCB-98/102	2.20e+06	1.36e+03	1.6e+03	1.35e+06	1.23e+03	1.1e+03
	PCB-88/91	1.87e+06	1.36e+03	1.4e+03	1.15e+06	1.23e+03	9.3e+02
	PCB-84	1.59e+06	1.36e+03	1.2e+03	1.04e+06	1.23e+03	8.4e+02
	PCB-89	1.58e+06	1.36e+03	1.2e+03	9.68e+05	1.23e+03	7.9e+02
74	PCB-121	2.47e+06	5.71e+03	4.3e+02	1.56e+06	4.32e+03	3.6e+02
75	PCB-92	1.54e+06	5.71e+03	2.7e+02	9.86e+05	4.32e+03	2.3e+02
76	PCB-90/101/113	4.35e+06	5.71e+03	7.6e+02	2.80e+06	4.32e+03	6.5e+02
	PCB-83/99	1.94e+06	5.71e+03	3.4e+02	1.21e+06	4.32e+03	2.8e+02
78	PCB-112	2.20e+06	5.71e+03	3.8e+02	1.43e+06	4.32e+03	3.3e+02
79	CB-86/87/97/109/119/125	6.04e+06	5.71e+03	1.1e+03	3.91e+06	4.32e+03	9.1e+02
80	PCB-117	2.39e+06	5.71e+03	4.2e+02	1.54e+06	4.32e+03	3.6e+02
81	PCB-85/116	3.44e+06	5.71e+03	6.0e+02	2.24e+06	4.32e+03	5.2e+02
82	PCB-110/115	2.99e+06	5.71e+03	5.2e+02	1.88e+06	4.32e+03	4.4e+02
83	PCB-82	1.26e+06	5.71e+03	2.2e+02	8.16e+05	4.32e+03	1.9e+02
84	PCB-111	2.18e+06	5.71e+03	3.8e+02	1.39e+06	4.32e+03	3.2e+02
85	PCB-120	2.06e+06	5.71e+03	3.6e+02	1.31e+06	4.32e+03	3.0e+02
86	PCB-108/124	3.81e+06	9.55e+04	4.0e+01	2.41e+06	6.37e+04	3.8e+01
87	PCB-107	2.11e+06	9.55e+04	2.2e+01	1.35e+06	6.37e+04	2.1e+01
88	PCB-123	2.11e+06	9.55e+04	2.2e+01	1.39e+06	6.37e+04	2.2e+01
	PCB-106	2.06e+06	9.55e+04	2.2e+01	1.32e+06	6.37e+04	2.1e+01
	PCB-118	2.02e+06	9.55e+04	2.1e+01	1.27e+06	6.37e+04	2.0e+01
	PCB-122	1.80e+06	9.55e+04	1.9e+01	1.14e+06	6.37e+04	1.8e+01
	PCB-114	2.02e+06	9.55e+04	2.1e+01	1.27e+06	6.37e+04	2.0e+01
93	PCB-105	1.79e+06	9.55e+04	1.9e+01	1.14e+06	6.37e+04	1.8e+01
94	PCB-127	1.73e+06	9.55e+04	1.8e+01	1.09e+06	6.37e+04	1.7e+01
95	PCB-126	1.63e+06	9.55e+04	1.7e+01	1.04e+06	6.37e+04	1.6e+01
96	PCB-155	2.29e+06	2.56e+03	9.0e+02	1.87e+06	1.33e+03	1.4e+03
97	PCB-152	2.07e+06	2.56e+03	8.1e+02	1.64e+06	1.33e+03	1.2e+03
98	PCB-150	2.12e+06	2.56e+03	8.3e+02	1.79e+06	1.33e+03	1.3e+03
99	PCB-136	2.01e+06	2.56e+03	7.8e+02	1.56e+06	1.33e+03	1.2e+03
100	PCB-145	2.14e+06	2.56e+03	8.4e+02	1.64e+06	1.33e+03	1.2e+03
101	PCB-148	1.42e+06	2.56e+03	5.5e+02	1.16e+06	1.33e+03	8.7e+02
102	PCB-135/151	1.60e+06	2.56e+03	6.2e+02	1.25e+06	1.33e+03	9.4e+02
103	PCB-154	1.81e+06	2.56e+03	7.1e+02	1.45e+06	1.33e+03	1.1e+03
104	PCB-144	1.43e+06	2.56e+03	5.6e+02	1.16e+06	1.33e+03	8.7e+02

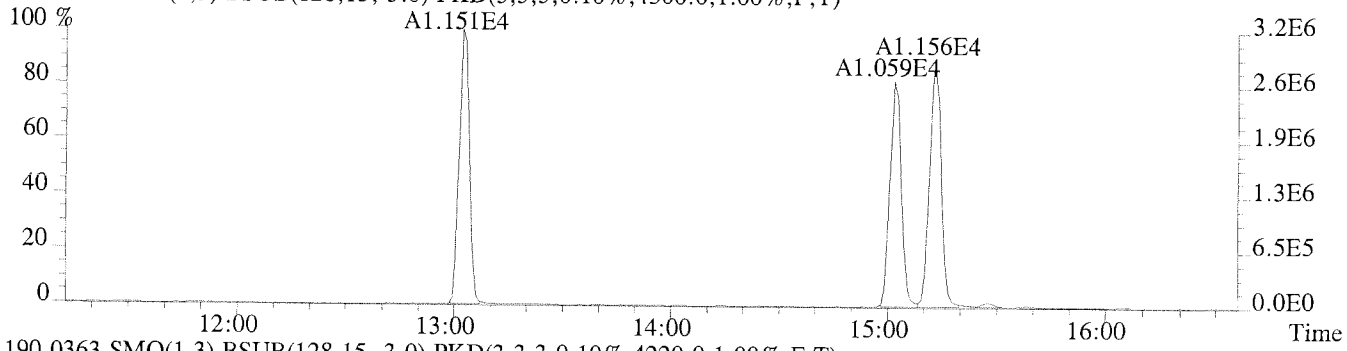
105	PCB-147/149	2.81e+06	2.98e+03	9.5e+02	2.28e+06	4.30e+03	5.3e+02
106	PCB-134	1.17e+06	2.98e+03	3.9e+02	9.29e+05	4.30e+03	2.2e+02
107	PCB-143	1.21e+06	2.98e+03	4.1e+02	9.97e+05	4.30e+03	2.3e+02
108	PCB-139/140	2.50e+06	2.98e+03	8.4e+02	2.00e+06	4.30e+03	4.7e+02
109	PCB-131	1.25e+06	2.98e+03	4.2e+02	9.96e+05	4.30e+03	2.3e+02
110	PCB-142	1.21e+06	2.98e+03	4.1e+02	1.00e+06	4.30e+03	2.3e+02
111	PCB-132	1.21e+06	2.98e+03	4.1e+02	9.87e+05	4.30e+03	2.3e+02
112	PCB-133	1.11e+06	2.98e+03	3.7e+02	9.08e+05	4.30e+03	2.1e+02
113	PCB-165	1.54e+06	2.98e+03	5.2e+02	1.28e+06	4.30e+03	3.0e+02
114	PCB-146	1.39e+06	2.98e+03	4.7e+02	1.13e+06	4.30e+03	2.6e+02
115	PCB-161	1.53e+06	2.98e+03	5.2e+02	1.23e+06	4.30e+03	2.9e+02
116	PCB-153/168	2.26e+06	2.98e+03	7.6e+02	1.83e+06	4.30e+03	4.2e+02
117	PCB-141	1.19e+06	2.98e+03	4.0e+02	9.85e+05	4.30e+03	2.3e+02
118	PCB-130	9.79e+05	2.98e+03	3.3e+02	7.86e+05	4.30e+03	1.8e+02
119	PCB-137	1.25e+06	2.98e+03	4.2e+02	1.00e+06	4.30e+03	2.3e+02
120	PCB-164	1.62e+06	2.98e+03	5.4e+02	1.29e+06	4.30e+03	3.0e+02
121	PCB-129/138/163	3.03e+06	2.98e+03	1.0e+03	2.46e+06	4.30e+03	5.7e+02
122	PCB-160	1.58e+06	2.98e+03	5.3e+02	1.33e+06	4.30e+03	3.1e+02
123	PCB-158	1.73e+06	2.98e+03	5.8e+02	1.37e+06	4.30e+03	3.2e+02
124	PCB-128/166	1.86e+06	2.98e+03	6.3e+02	1.54e+06	4.30e+03	3.6e+02
125	PCB-159	1.35e+06	1.88e+03	7.2e+02	1.10e+06	1.80e+03	6.1e+02
126	PCB-162	1.49e+06	1.88e+03	7.9e+02	1.18e+06	1.80e+03	6.6e+02
127	PCB-167	1.33e+06	1.88e+03	7.1e+02	1.06e+06	1.80e+03	5.9e+02
128	PCB-156/157	1.89e+06	1.88e+03	1.0e+03	1.52e+06	1.80e+03	8.5e+02
129	PCB-169	1.31e+06	1.88e+03	6.9e+02	1.04e+06	1.80e+03	5.8e+02
130	PCB-188	1.69e+06	1.23e+03	1.4e+03	1.61e+06	8.80e+02	1.8e+03
131	PCB-179	1.51e+06	1.23e+03	1.2e+03	1.47e+06	8.80e+02	1.7e+03
132	PCB-184	1.68e+06	1.23e+03	1.4e+03	1.64e+06	8.80e+02	1.9e+03
133	PCB-176	1.51e+06	1.23e+03	1.2e+03	1.44e+06	8.80e+02	1.6e+03
134	PCB-186	1.63e+06	1.23e+03	1.3e+03	1.54e+06	8.80e+02	1.7e+03
135	PCB-178	1.04e+06	1.23e+03	8.5e+02	1.01e+06	8.80e+02	1.1e+03
136	PCB-175	1.11e+06	1.23e+03	9.0e+02	1.04e+06	8.80e+02	1.2e+03
137	PCB-187	1.24e+06	1.23e+03	1.0e+03	1.19e+06	8.80e+02	1.3e+03
138	PCB-182	1.19e+06	1.23e+03	9.7e+02	1.15e+06	8.80e+02	1.3e+03
139	PCB-183	9.11e+05	2.72e+03	3.4e+02	9.15e+05	1.24e+03	7.4e+02
140	PCB-185	9.52e+05	2.72e+03	3.5e+02	9.42e+05	1.24e+03	7.6e+02
141	PCB-174	8.91e+05	2.72e+03	3.3e+02	8.77e+05	1.24e+03	7.1e+02
142	PCB-177	8.21e+05	2.72e+03	3.0e+02	8.13e+05	1.24e+03	6.6e+02
143	PCB-181	9.53e+05	2.72e+03	3.5e+02	9.21e+05	1.24e+03	7.4e+02
144	PCB-171/173	1.54e+06	2.72e+03	5.7e+02	1.49e+06	1.24e+03	1.2e+03
145	PCB-172	7.97e+05	2.72e+03	2.9e+02	7.89e+05	1.24e+03	6.4e+02
146	PCB-192	1.09e+06	2.72e+03	4.0e+02	1.09e+06	1.24e+03	8.8e+02
147	PCB-180/193	1.68e+06	2.72e+03	6.2e+02	1.65e+06	1.24e+03	1.3e+03
148	PCB-191	1.07e+06	2.72e+03	3.9e+02	1.06e+06	1.24e+03	8.5e+02
149	PCB-170	7.42e+05	2.72e+03	2.7e+02	7.18e+05	1.24e+03	5.8e+02
150	PCB-190	1.01e+06	2.72e+03	3.7e+02	1.02e+06	1.24e+03	8.3e+02
151	PCB-189	1.20e+06	2.72e+03	4.4e+02	1.19e+06	1.24e+03	9.6e+02
152	PCB-202	1.75e+06	1.15e+03	1.5e+03	1.90e+06	1.09e+03	1.7e+03
153	PCB-201	1.57e+06	1.15e+03	1.4e+03	1.83e+06	1.09e+03	1.7e+03
154	PCB-204	1.62e+06	1.15e+03	1.4e+03	1.82e+06	1.09e+03	1.7e+03
155	PCB-197	1.77e+06	1.15e+03	1.5e+03	2.02e+06	1.09e+03	1.9e+03
156	PCB-200	1.60e+06	1.15e+03	1.4e+03	1.78e+06	1.09e+03	1.6e+03
157	PCB-198/199	1.65e+06	1.15e+03	1.4e+03	1.91e+06	1.09e+03	1.8e+03
158	PCB-196	1.31e+06	1.15e+03	1.1e+03	1.51e+06	1.09e+03	1.4e+03
159	PCB-203	1.45e+06	1.15e+03	1.3e+03	1.65e+06	1.09e+03	1.5e+03
160	PCB-195	1.31e+06	1.15e+03	1.1e+03	1.46e+06	1.09e+03	1.3e+03
161	PCB-194	1.06e+06	1.15e+03	9.2e+02	1.22e+06	1.09e+03	1.1e+03
162	PCB-205	1.39e+06	1.15e+03	1.2e+03	1.61e+06	1.09e+03	1.5e+03

Run #2 Filename U139139#1 Samp: 1 Acquired: 23-FEB-11 09:22:35

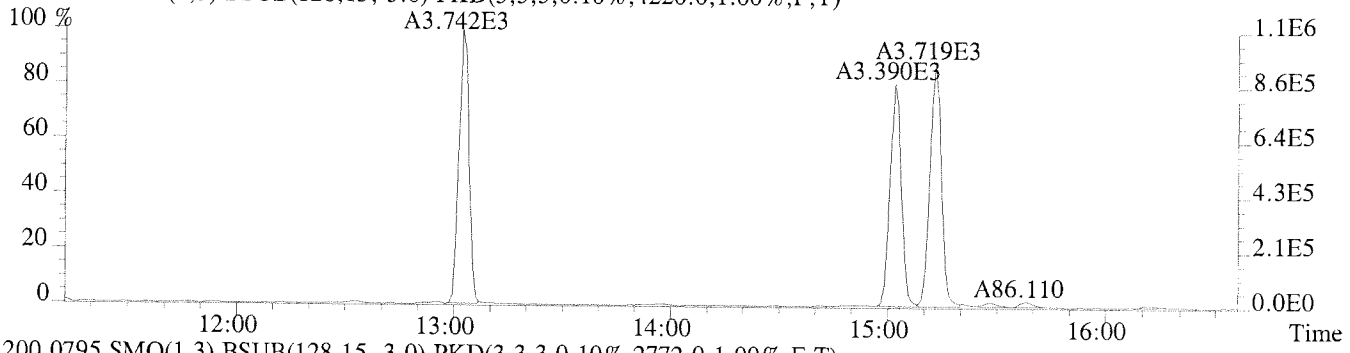
163	PCB-208	1.30e+06	1.06e+03	1.2e+03	1.67e+06	1.16e+03	1.4e+03
164	PCB-207	1.18e+06	1.06e+03	1.1e+03	1.52e+06	1.16e+03	1.3e+03
165	PCB-206	9.00e+05	1.20e+03	7.5e+02	1.18e+06	1.75e+03	6.7e+02
166	PCB-209	1.60e+06	9.96e+02	1.6e+03	1.36e+06	9.56e+02	1.4e+03
167	PCB-1L	1.11e+07	2.77e+03	4.0e+03	3.54e+06	6.07e+04	5.8e+01
168	PCB-3L	9.91e+06	2.77e+03	3.6e+03	3.17e+06	6.07e+04	5.2e+01
169	PCB-4L	5.01e+06	8.78e+03	5.7e+02	3.26e+06	2.46e+03	1.3e+03
[illegible]	PCB-15L	5.59e+06	5.04e+03	1.1e+03	3.58e+06	4.37e+03	8.2e+02
[illegible]	PCB-19L	3.22e+06	3.81e+04	8.4e+01	3.15e+06	1.81e+04	1.7e+02
172	PCB-37L	3.77e+06	2.98e+04	1.3e+02	3.55e+06	1.30e+04	2.7e+02
173	PCB-54L	3.14e+06	3.93e+03	8.0e+02	3.99e+06	2.29e+03	1.7e+03
174	PCB-81L	2.60e+06	3.14e+03	8.3e+02	3.20e+06	2.06e+03	1.5e+03
175	PCB-77L	2.48e+06	3.14e+03	7.9e+02	3.18e+06	2.06e+03	1.5e+03
176	PCB-104L	4.21e+06	1.18e+03	3.6e+03	2.70e+06	1.21e+03	2.2e+03
177	PCB-123L	3.30e+06	4.18e+03	7.9e+02	2.15e+06	3.60e+03	6.0e+02
178	PCB-118L	3.27e+06	4.18e+03	7.8e+02	2.10e+06	3.60e+03	5.8e+02
179	PCB-114L	3.08e+06	4.18e+03	7.4e+02	1.95e+06	3.60e+03	5.4e+02
180	PCB-105L	3.10e+06	4.18e+03	7.4e+02	1.94e+06	3.60e+03	5.4e+02
181	PCB-126L	2.86e+06	4.18e+03	6.8e+02	1.84e+06	3.60e+03	5.1e+02
182	PCB-155L	3.71e+06	1.39e+03	2.7e+03	2.97e+06	1.23e+03	2.4e+03
183	PCB-167L	2.34e+06	1.10e+03	2.1e+03	1.89e+06	1.08e+03	1.8e+03
184	PCB-156/157L	3.16e+06	1.10e+03	2.9e+03	2.45e+06	1.08e+03	2.3e+03
185	PCB-169L	2.06e+06	1.10e+03	1.9e+03	1.58e+06	1.08e+03	1.5e+03
186	PCB-188L	2.97e+06	1.42e+03	2.1e+03	2.79e+06	8.72e+02	3.2e+03
187	PCB-189L	2.32e+06	1.22e+03	1.9e+03	2.28e+06	1.25e+03	1.8e+03
[illegible]	PCB-202L	2.16e+06	1.04e+03	2.1e+03	2.39e+06	1.06e+03	2.3e+03
[illegible]	PCB-205L	1.83e+06	1.04e+03	1.8e+03	2.03e+06	1.06e+03	1.9e+03
[illegible]	PCB-208L	1.62e+06	1.13e+03	1.4e+03	2.03e+06	1.08e+03	1.9e+03
191	PCB-206L	1.06e+06	1.01e+03	1.0e+03	1.36e+06	8.96e+02	1.5e+03
192	PCB-209L	1.80e+06	1.04e+03	1.7e+03	1.47e+06	9.36e+02	1.6e+03
193	PCB-28L	5.17e+06	2.98e+04	1.7e+02	4.93e+06	1.30e+04	3.8e+02
194	PCB-111L	3.74e+06	2.04e+03	1.8e+03	2.36e+06	2.05e+03	1.1e+03
195	PCB-178L	1.77e+06	1.42e+03	1.2e+03	1.69e+06	8.72e+02	1.9e+03
196	PCB-9L	7.10e+06	5.04e+03	1.4e+03	4.51e+06	4.37e+03	1.0e+03
197	PCB-52L	2.83e+06	2.64e+03	1.1e+03	3.56e+06	1.48e+03	2.4e+03
198	PCB-101L	3.28e+06	2.04e+03	1.6e+03	2.06e+06	2.05e+03	1.0e+03
199	PCB-138L	2.61e+06	1.35e+03	1.9e+03	2.06e+06	1.11e+03	1.9e+03
200	PCB-194L	1.40e+06	1.04e+03	1.3e+03	1.53e+06	1.06e+03	1.4e+03

File:U139139 #1-347 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

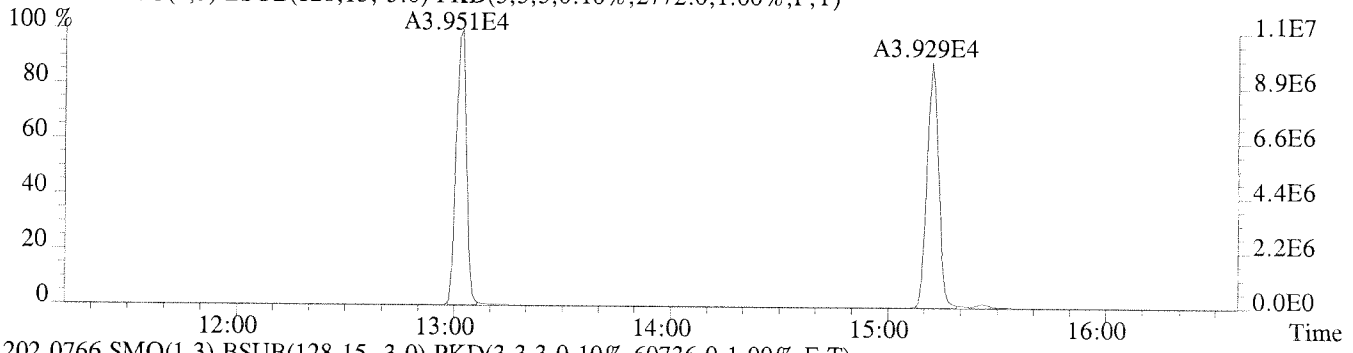
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4500.0,1.00%,F,T)



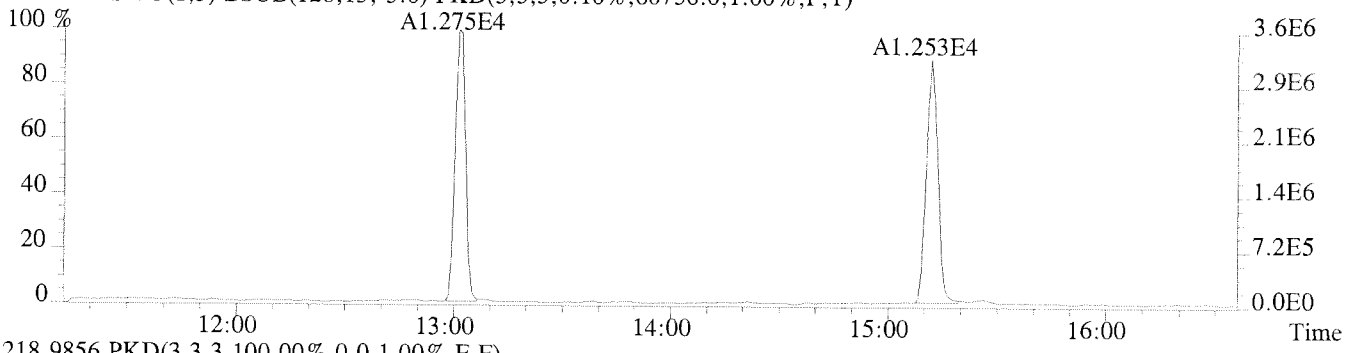
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4220.0,1.00%,F,T)



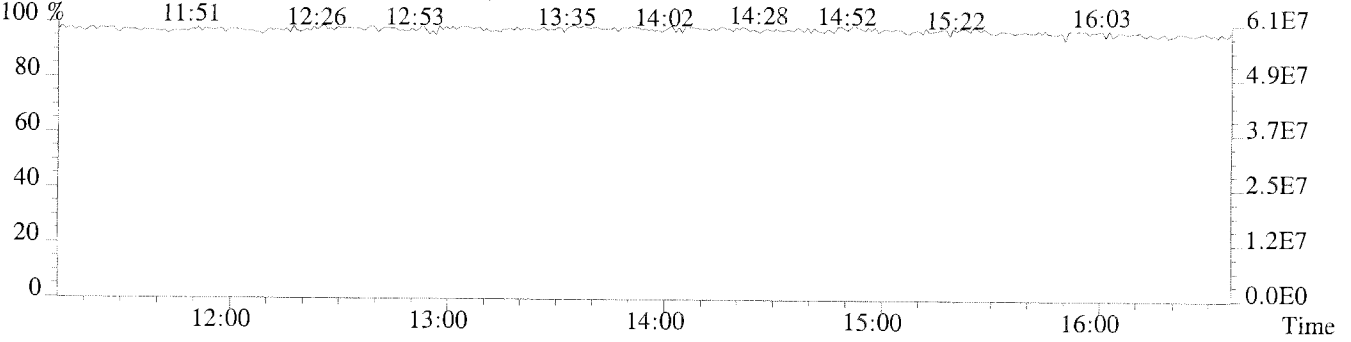
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2772.0,1.00%,F,T)



202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,60736.0,1.00%,F,T)

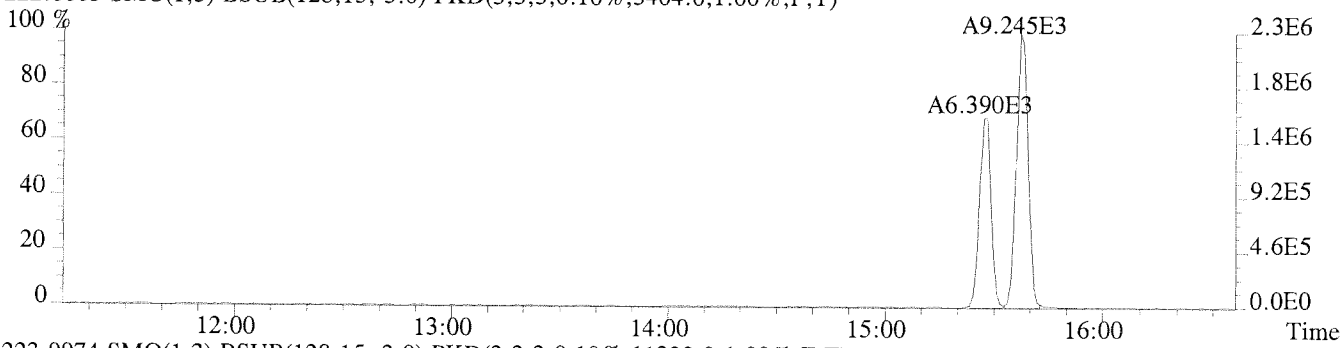


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

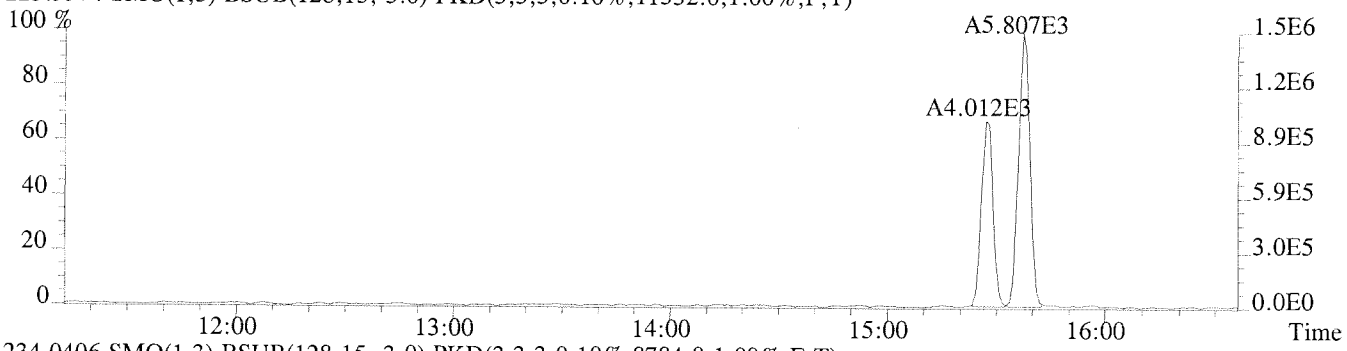


File:U139139 #1-347 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

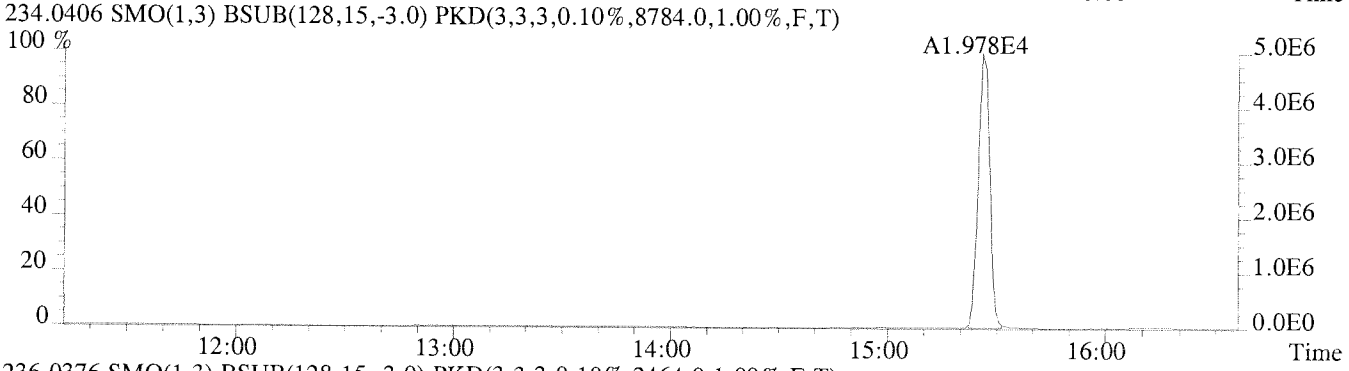
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3404.0,1.00%,F,T)



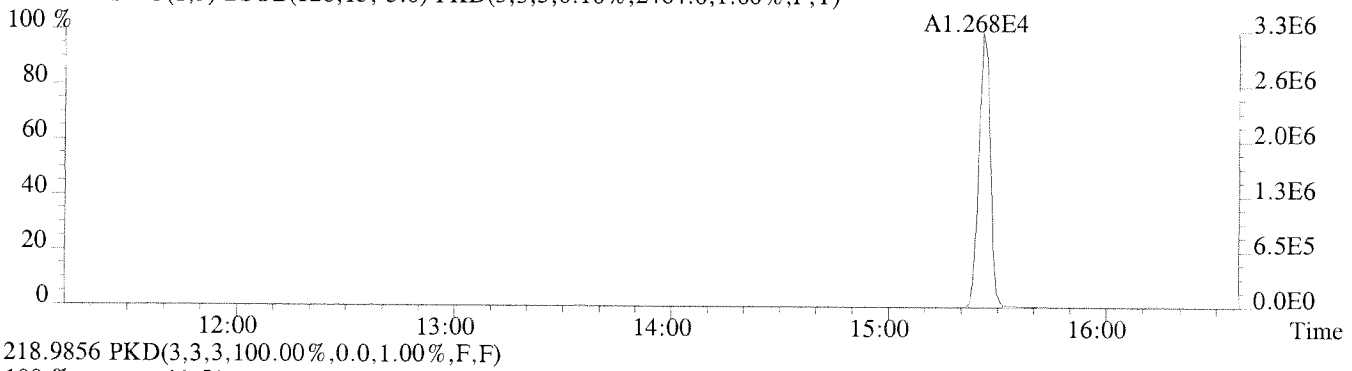
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11332.0,1.00%,F,T)



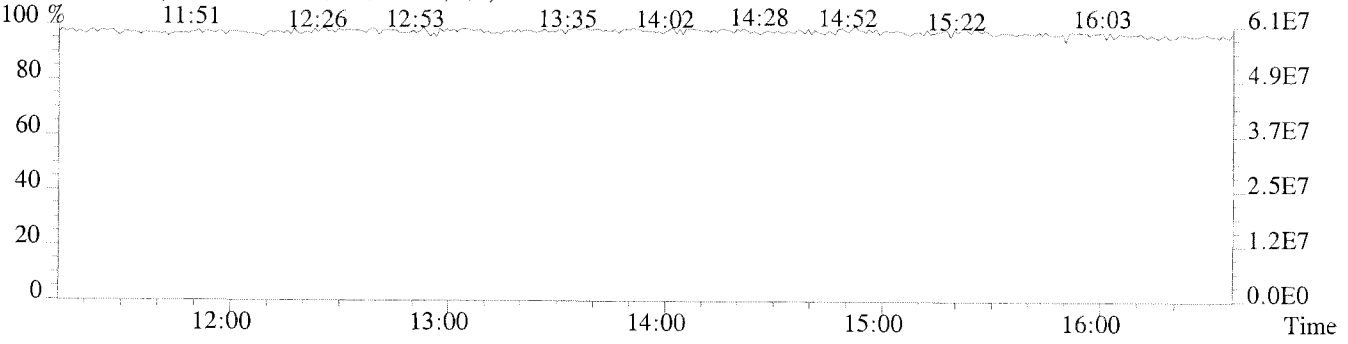
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8784.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2464.0,1.00%,F,T)

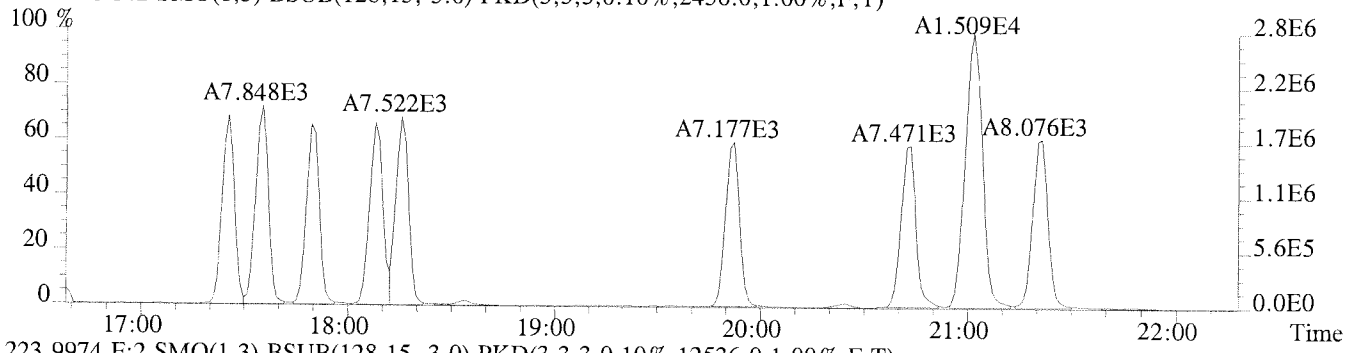


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

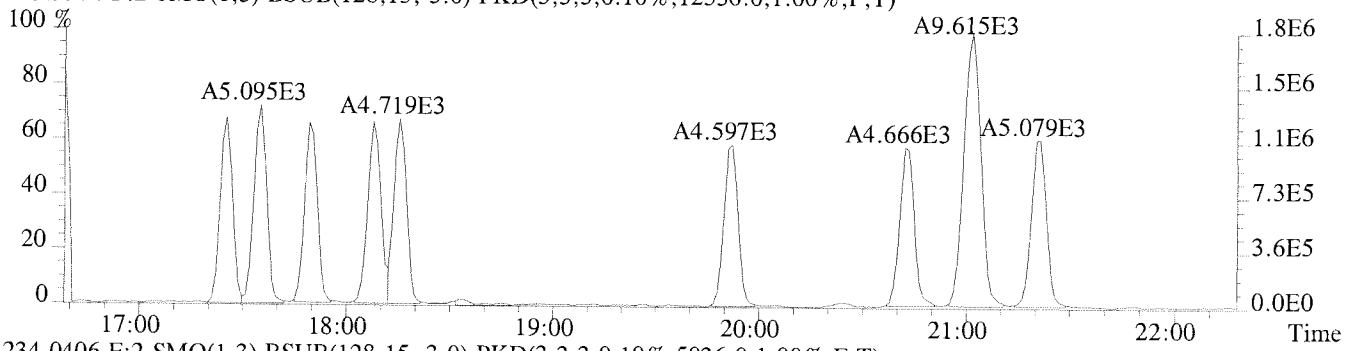


File:U139139 #1-313 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

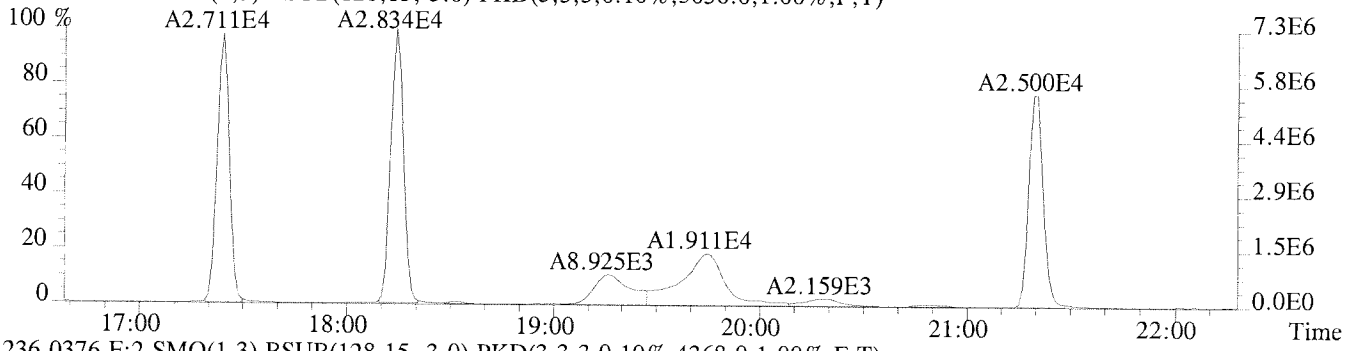
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2456.0,1.00%,F,T)



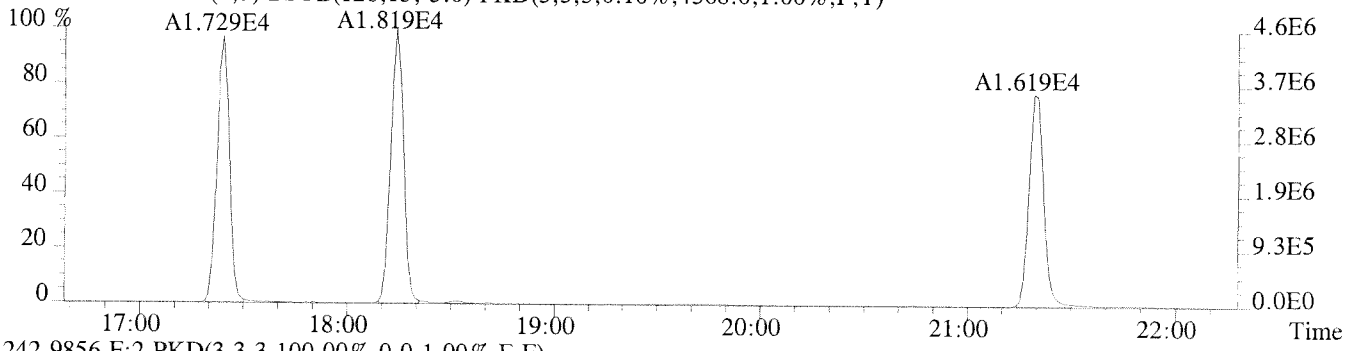
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12536.0,1.00%,F,T)



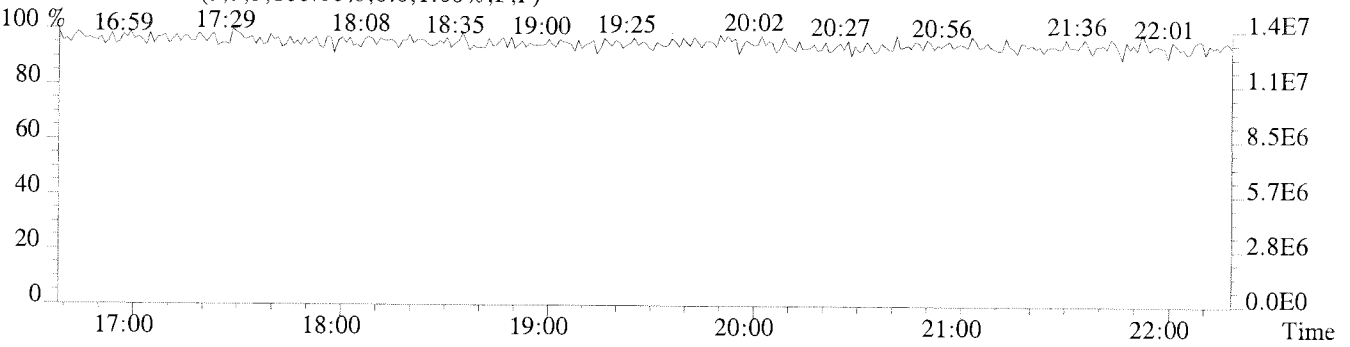
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5036.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4368.0,1.00%,F,T)

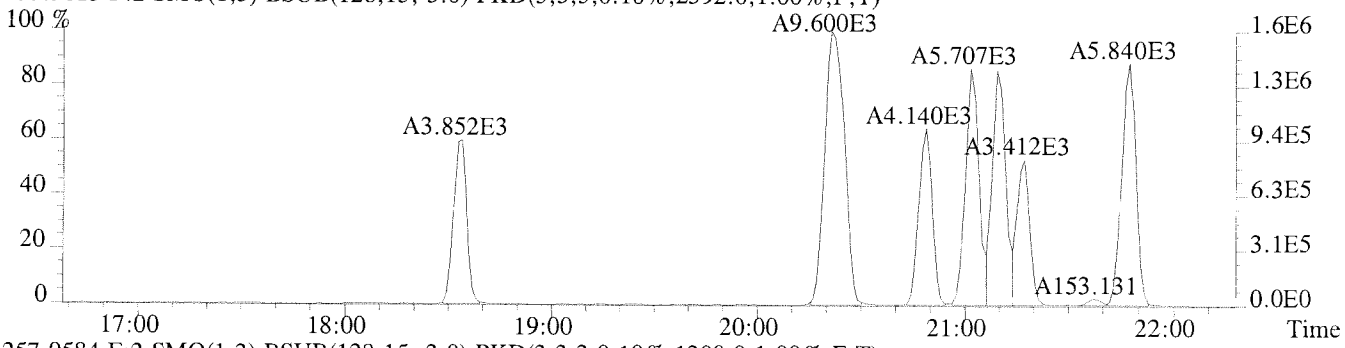


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

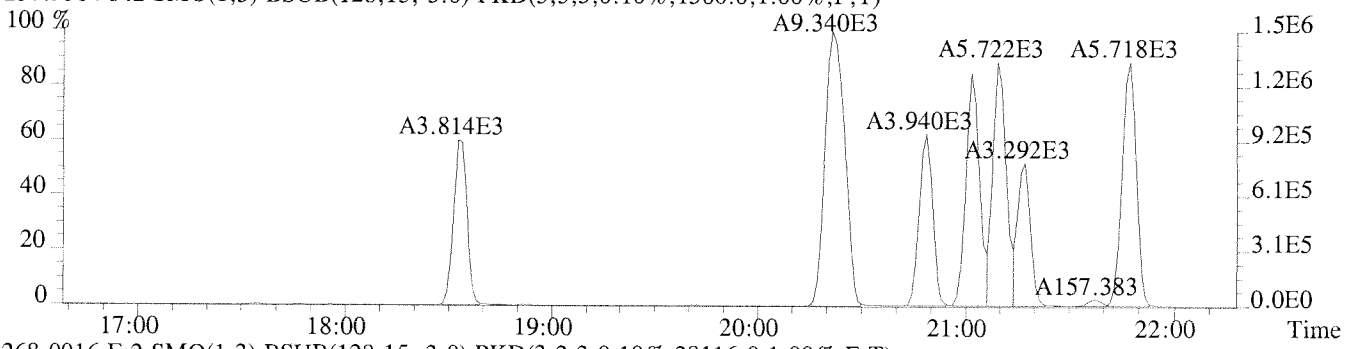


File:U139139 #1-313 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

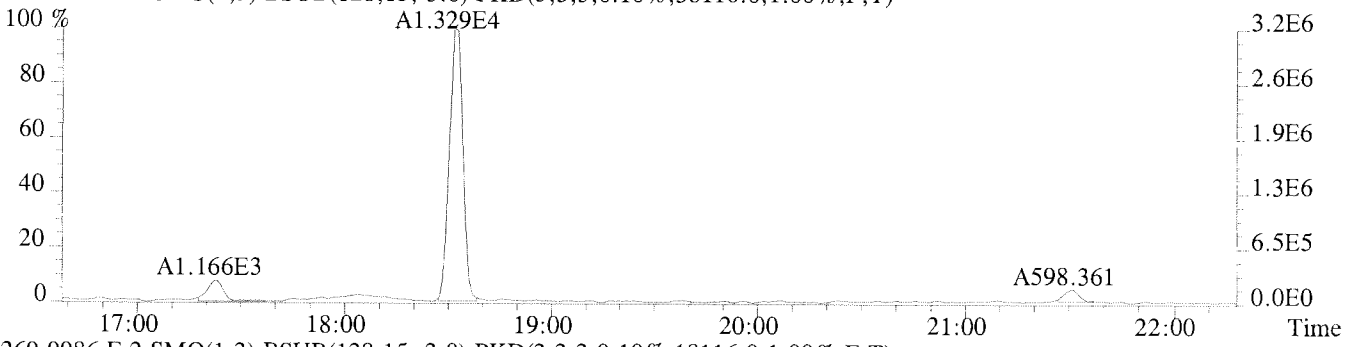
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2392.0,1.00%,F,T)



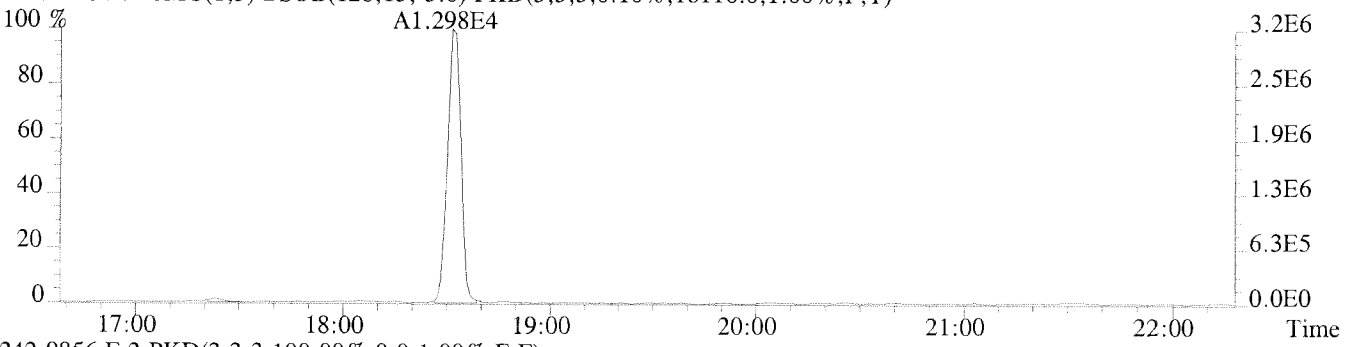
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1300.0,1.00%,F,T)



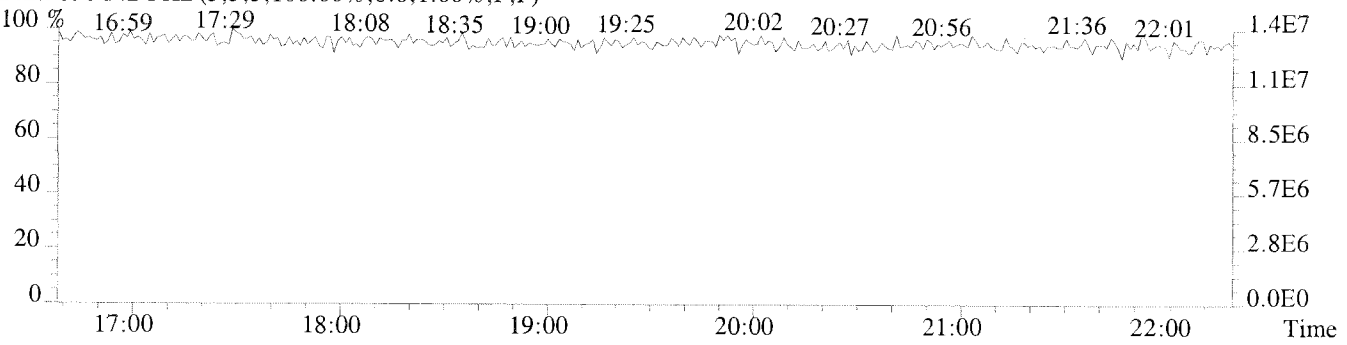
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,38116.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18116.0,1.00%,F,T)

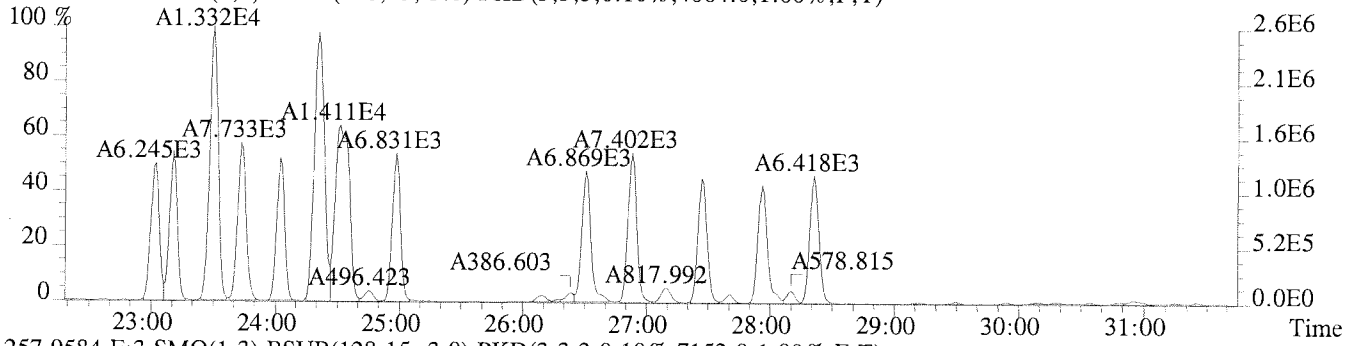


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

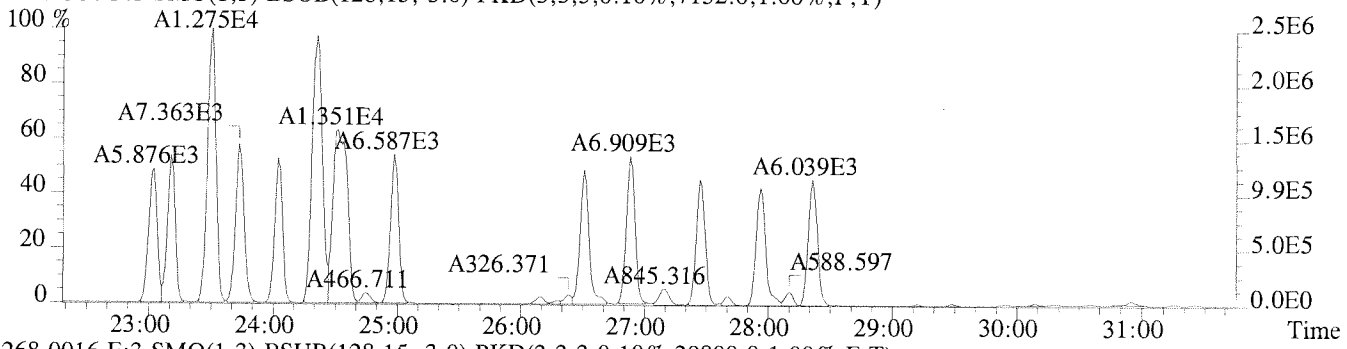


File:U139139 #1-604 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

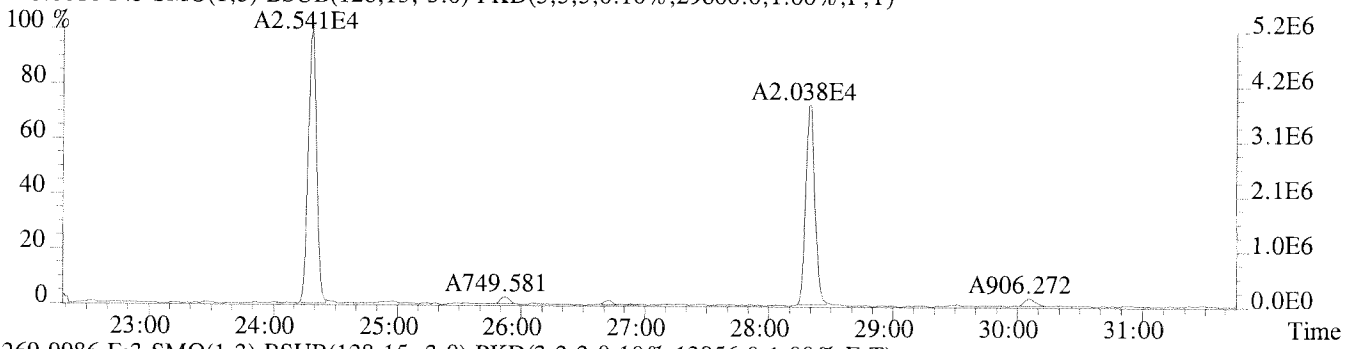
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4064.0,1.00%,F,T)



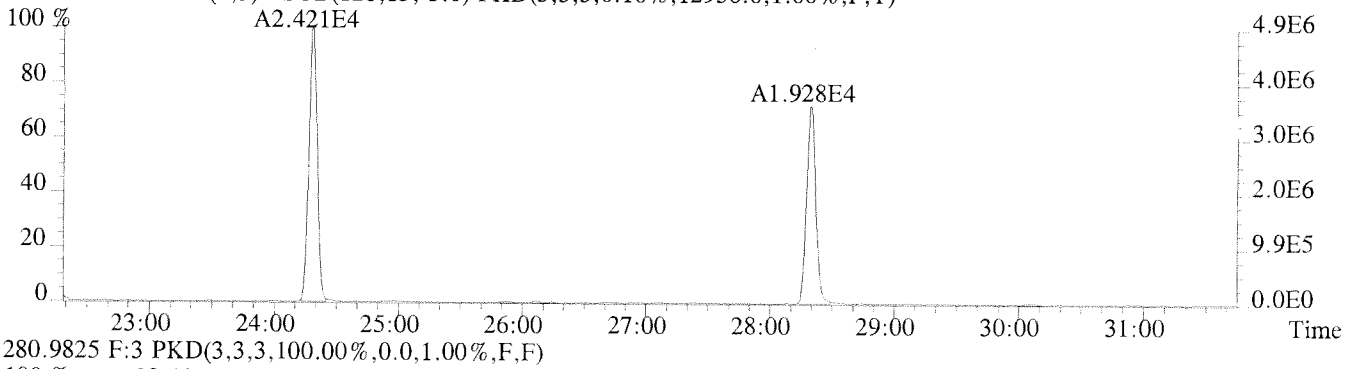
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7152.0,1.00%,F,T)



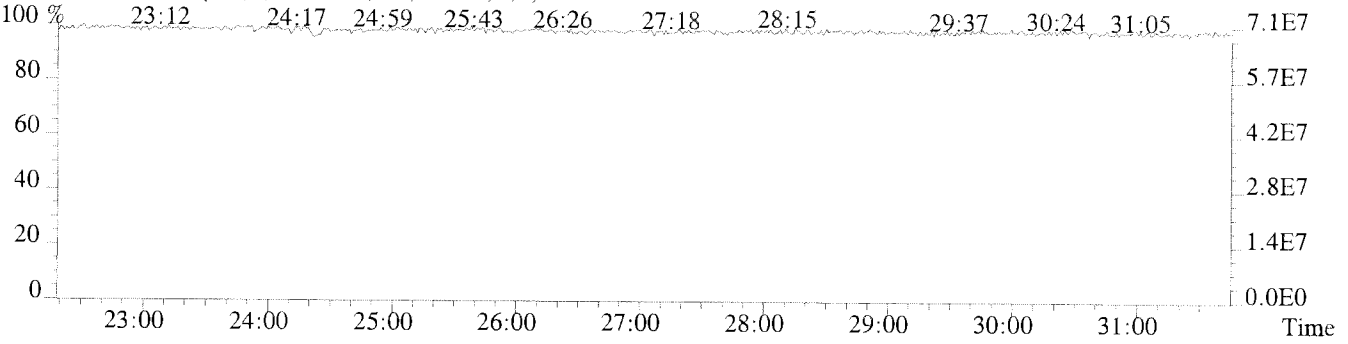
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,29800.0,1.00%,F,T)



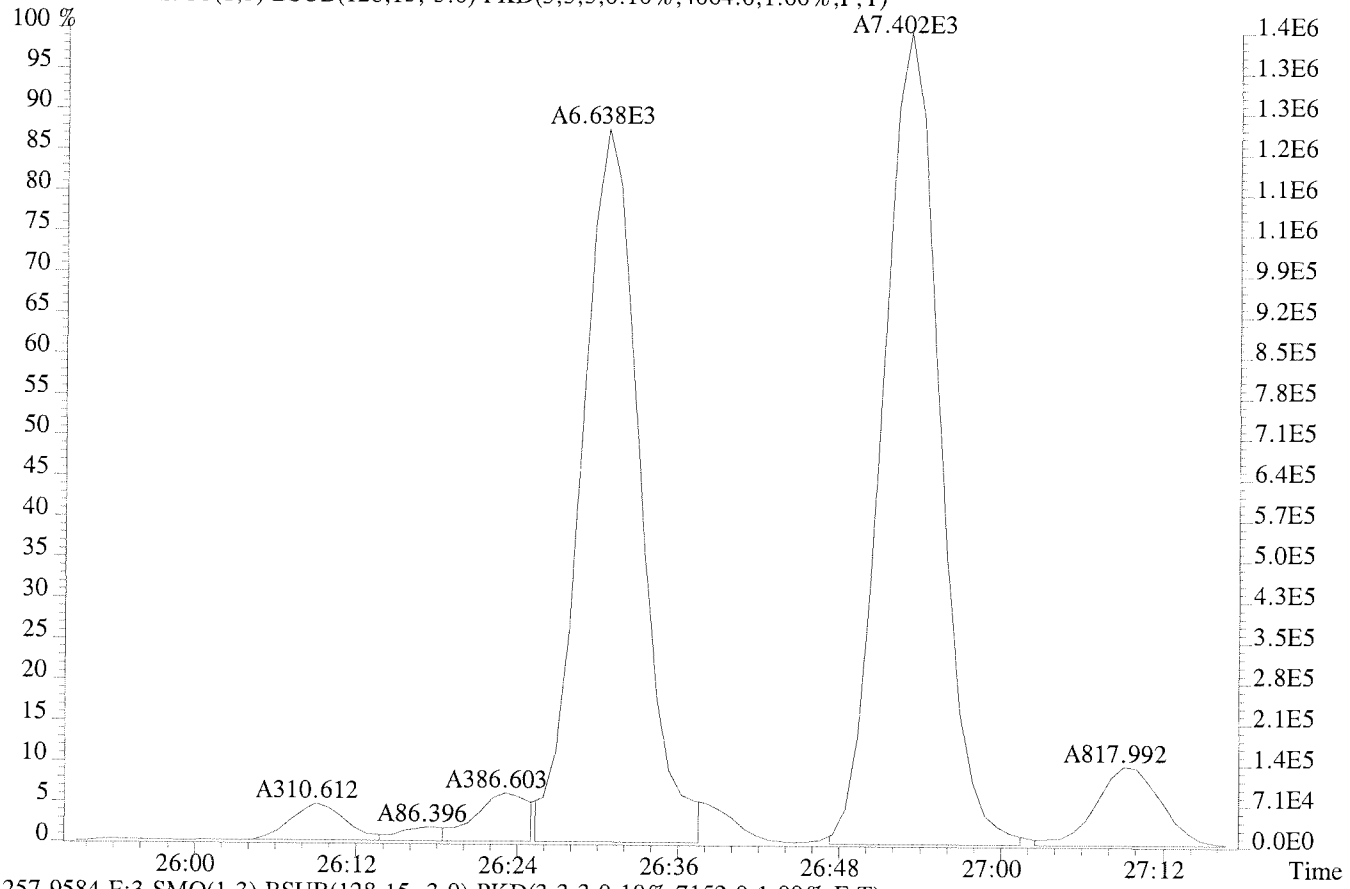
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,12956.0,1.00%,F,T)



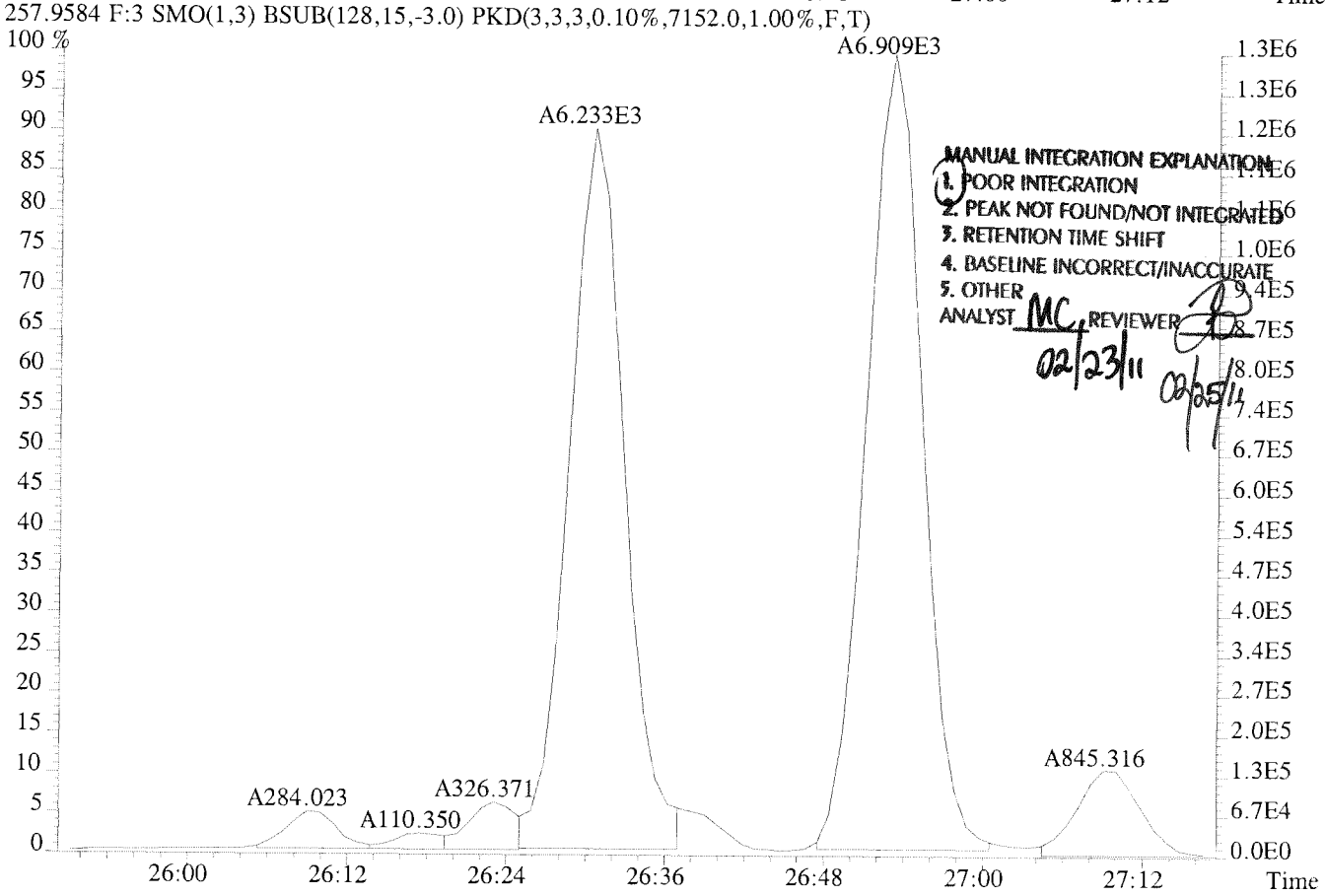
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139139 #1-604 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4064.0,1.00%,F,T)



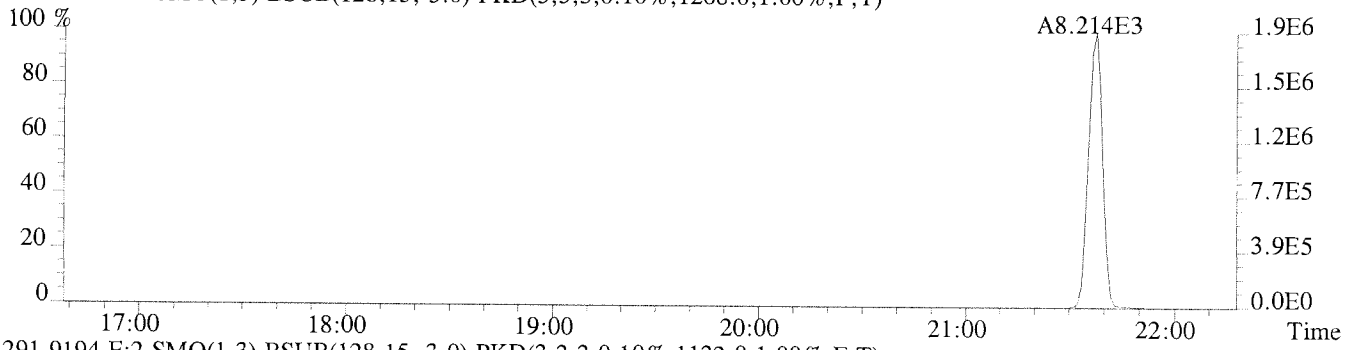
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7152.0,1.00%,F,T)



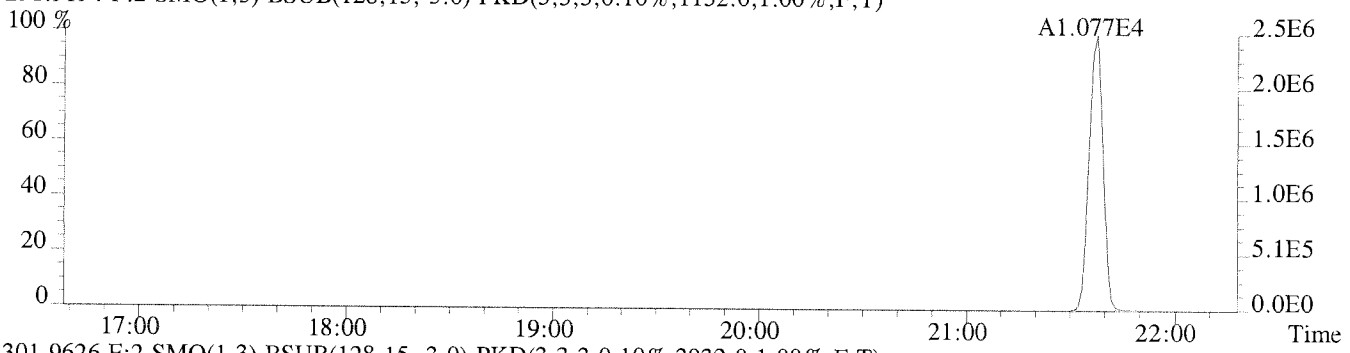
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/23/11 02/25/11

File:U139139 #1-313 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

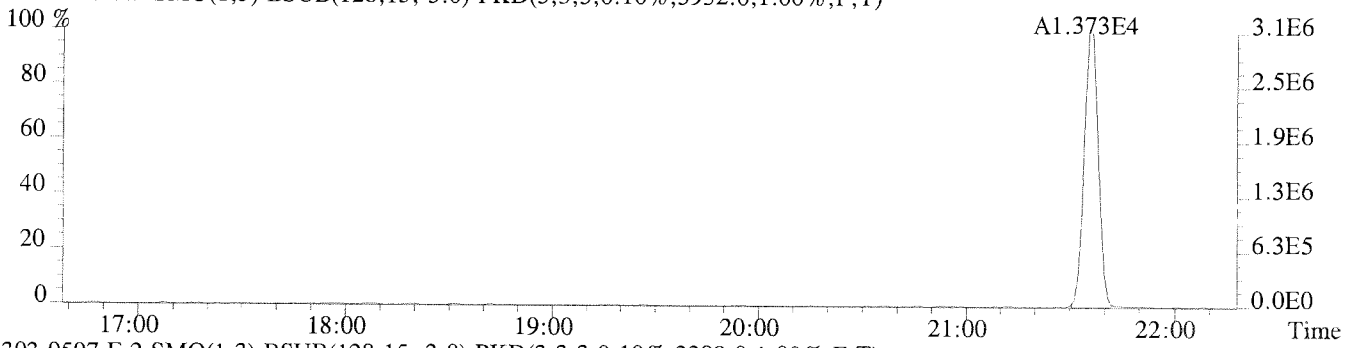
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1268.0,1.00%,F,T)



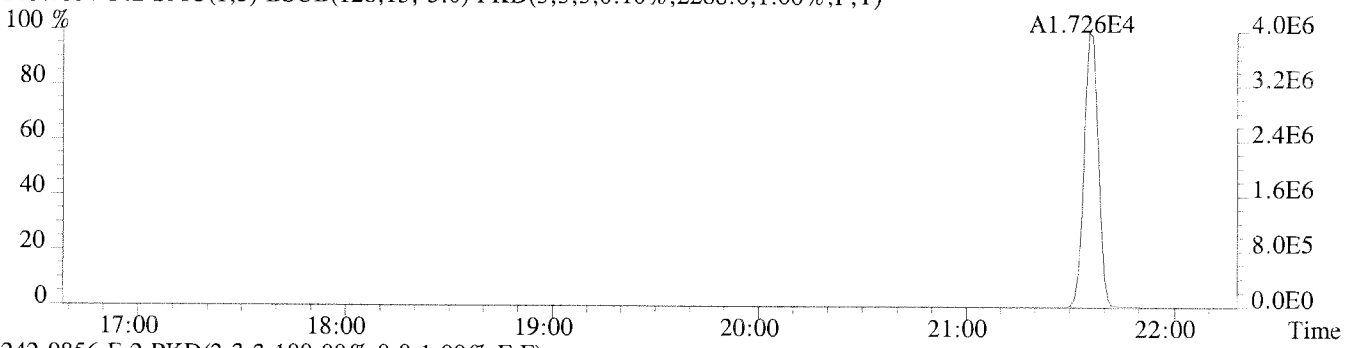
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1132.0,1.00%,F,T)



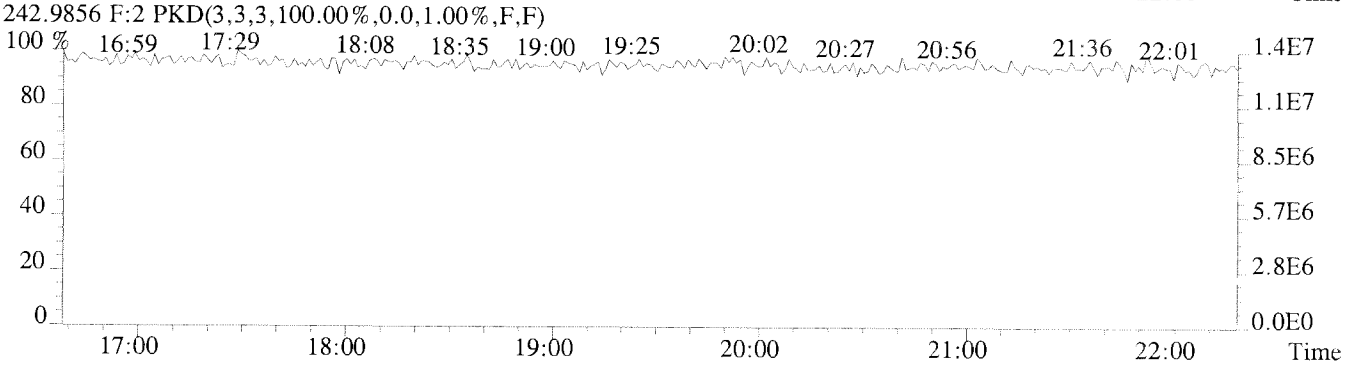
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3932.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2288.0,1.00%,F,T)

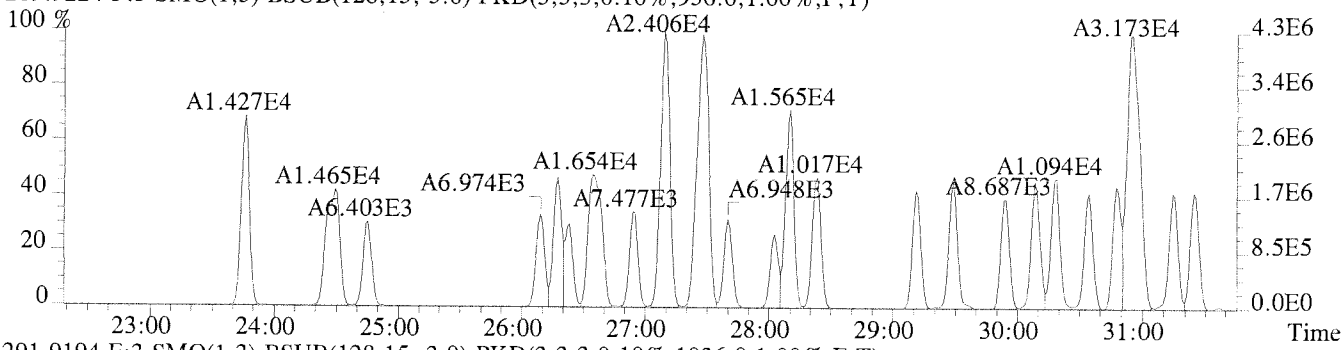


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

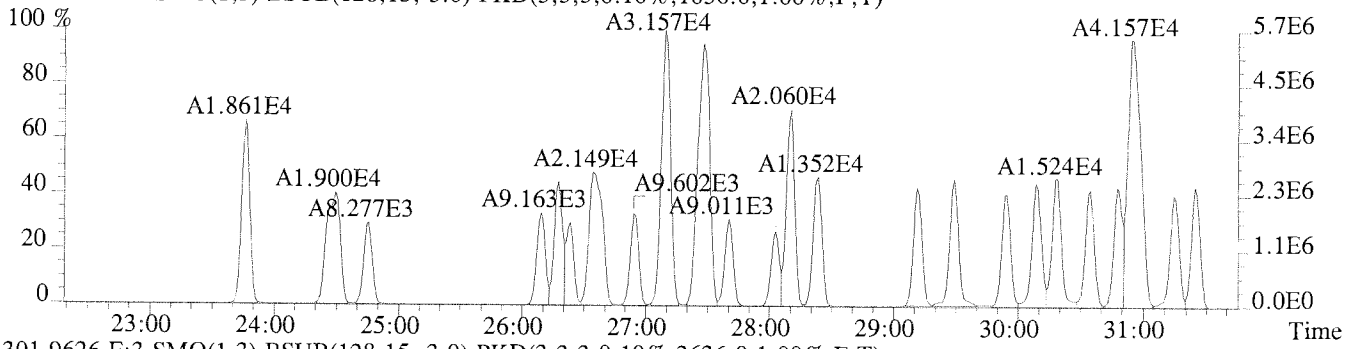


File:U139139 #1-604 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

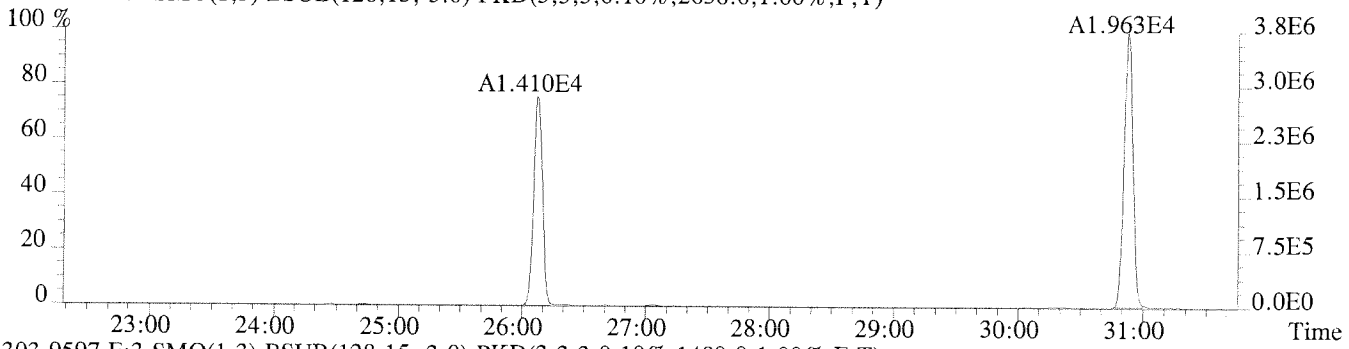
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)



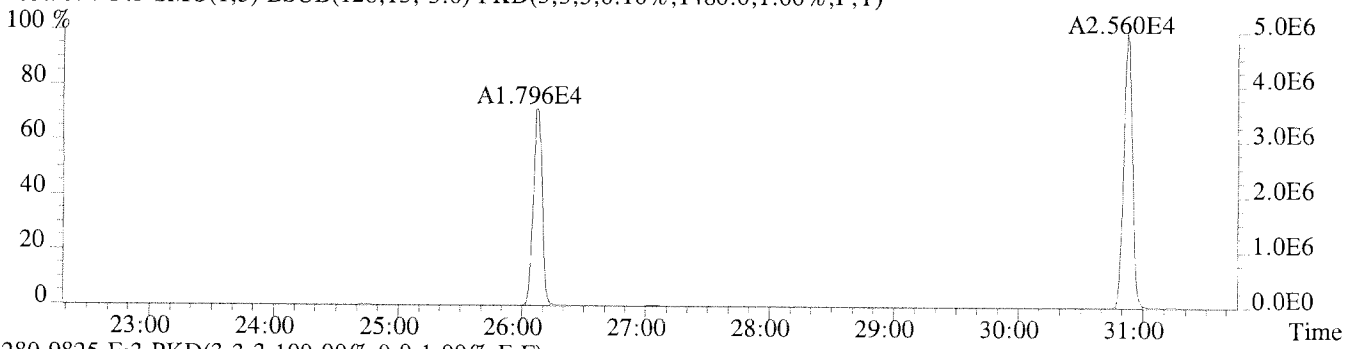
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1036.0,1.00%,F,T)



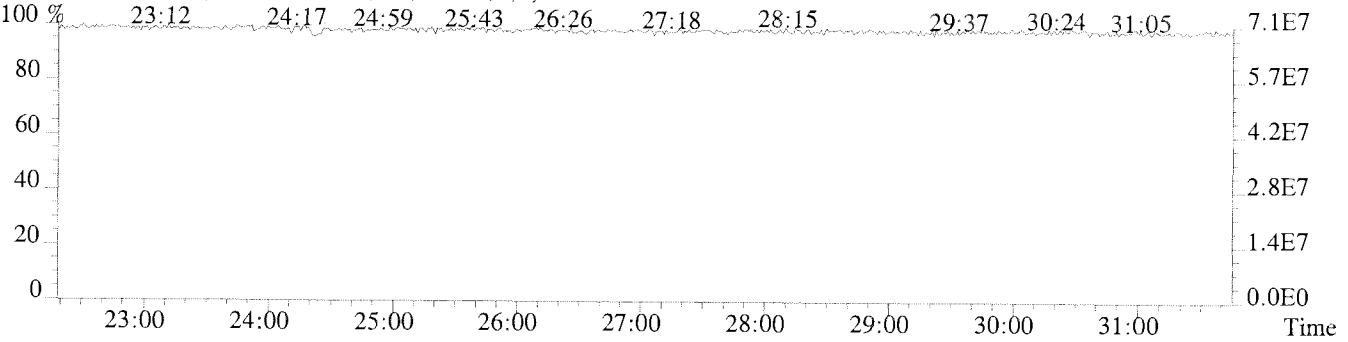
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2636.0,1.00%,F,T)



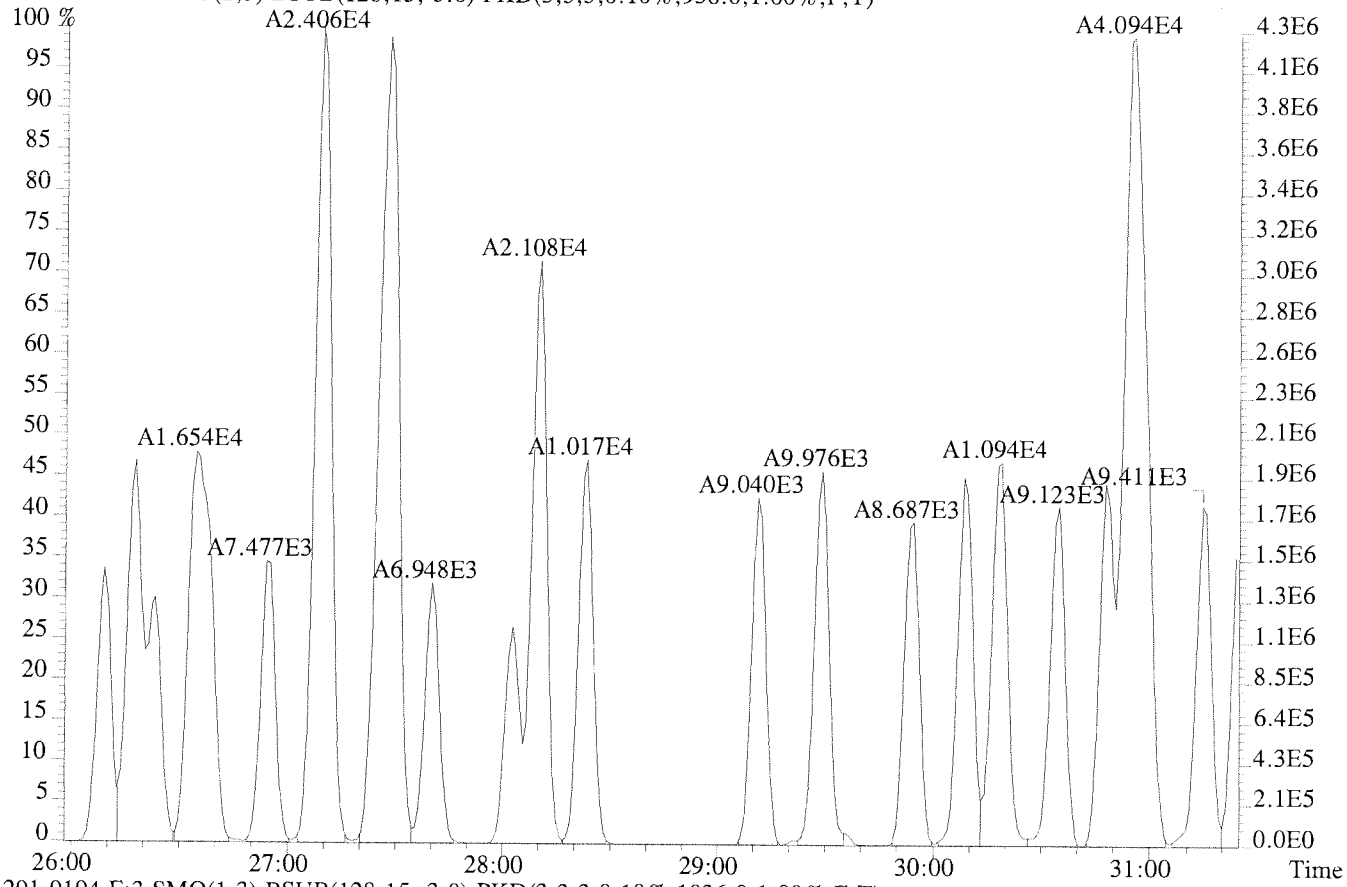
303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1480.0,1.00%,F,T)



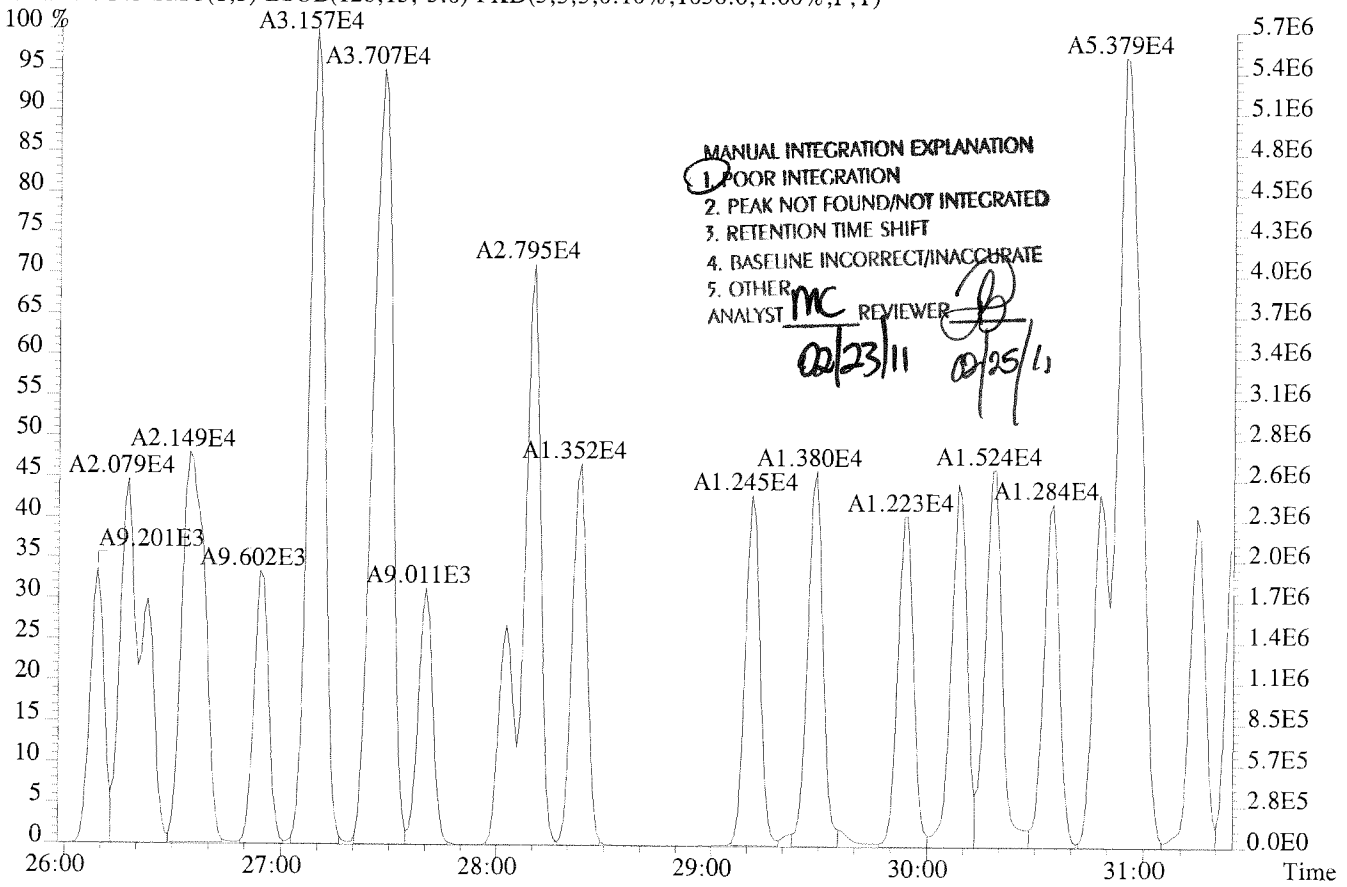
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139139 #1-604 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)



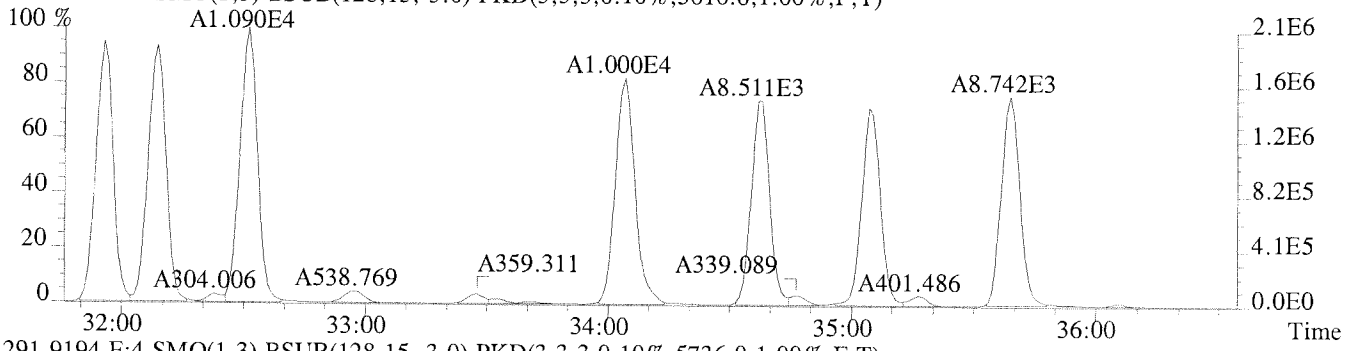
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1036.0,1.00%,F,T)



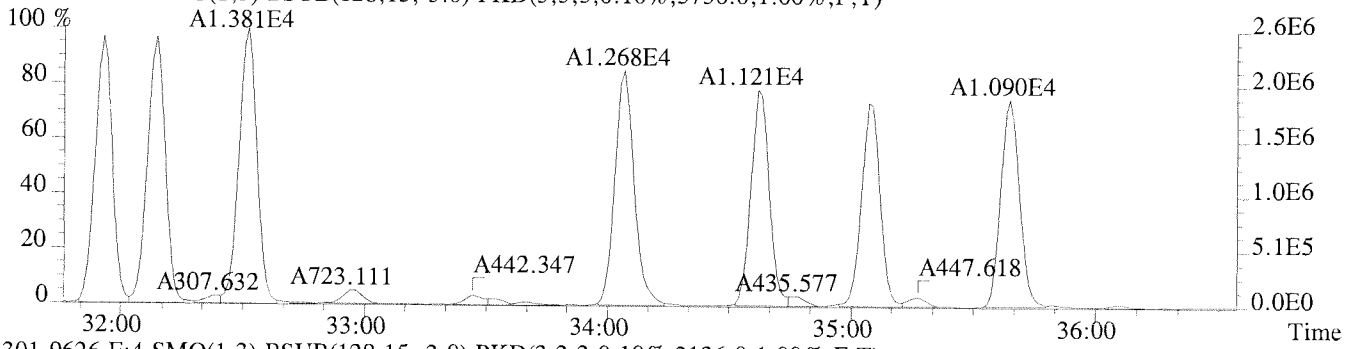
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/23/11 02/25/11

File:U139139 #1-308 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

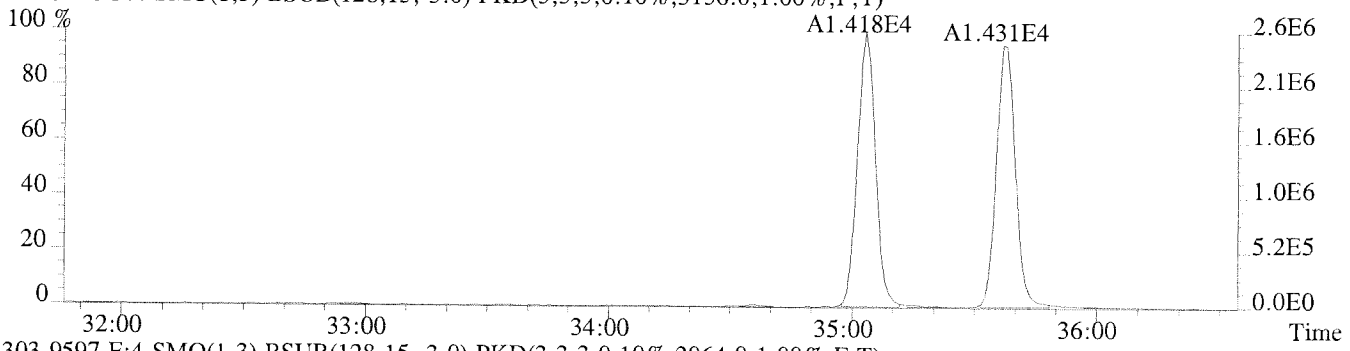
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5616.0,1.00%,F,T)



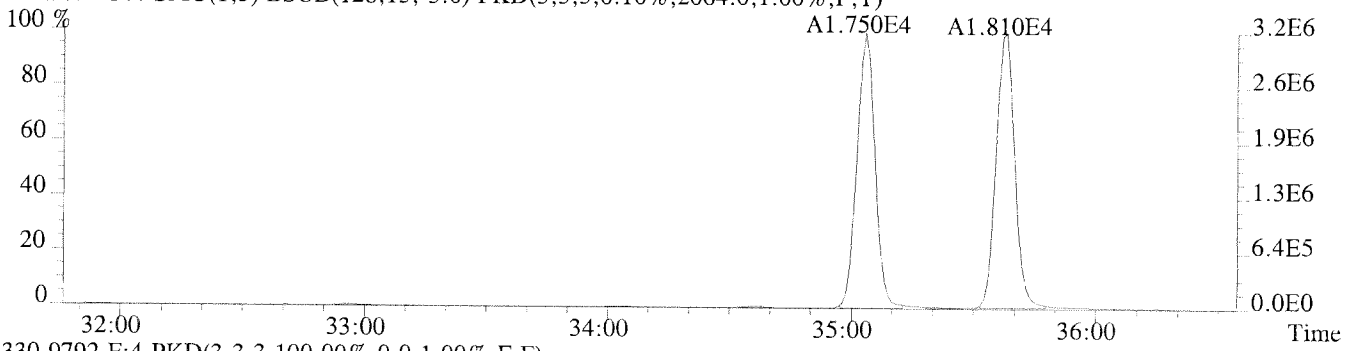
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5736.0,1.00%,F,T)



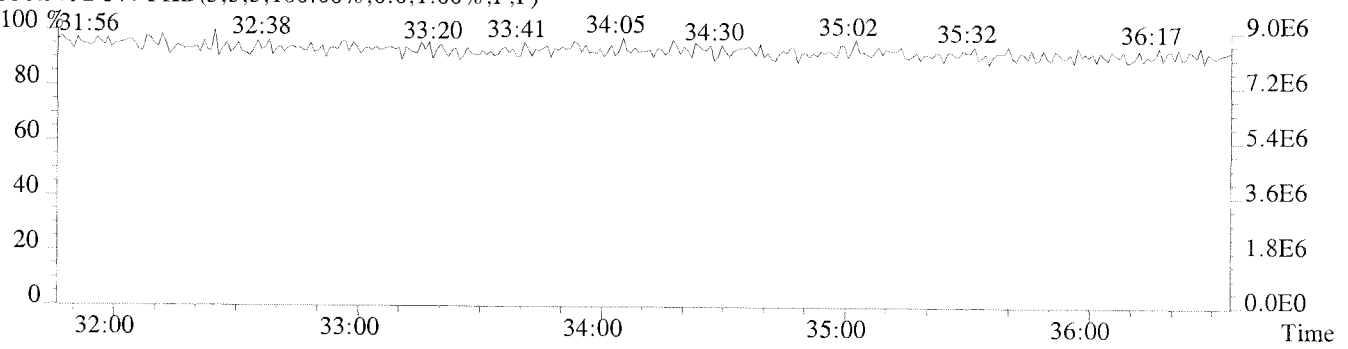
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3136.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2064.0,1.00%,F,T)

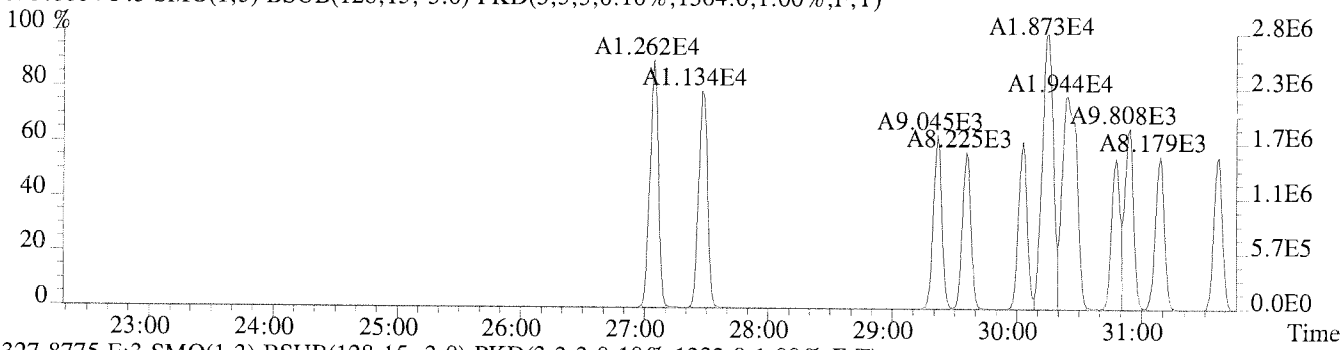


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

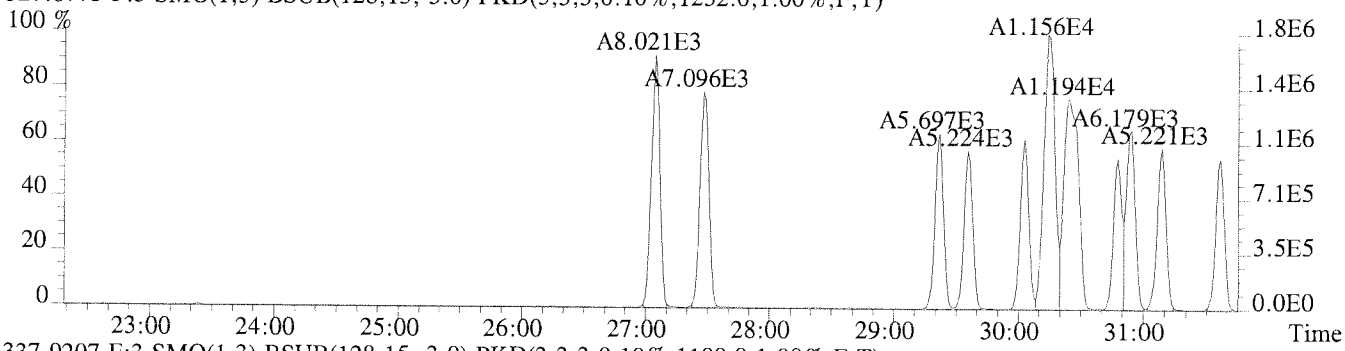


File:U139139 #1-604 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

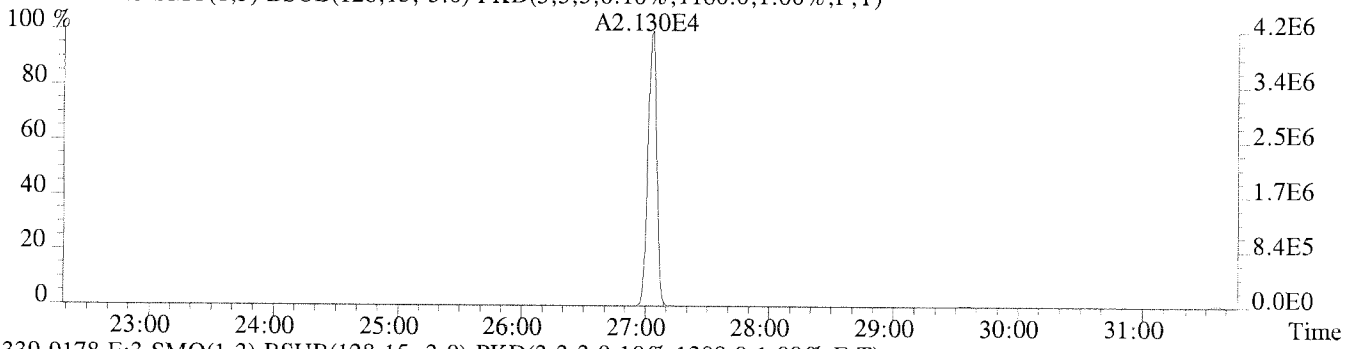
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1364.0,1.00%,F,T)



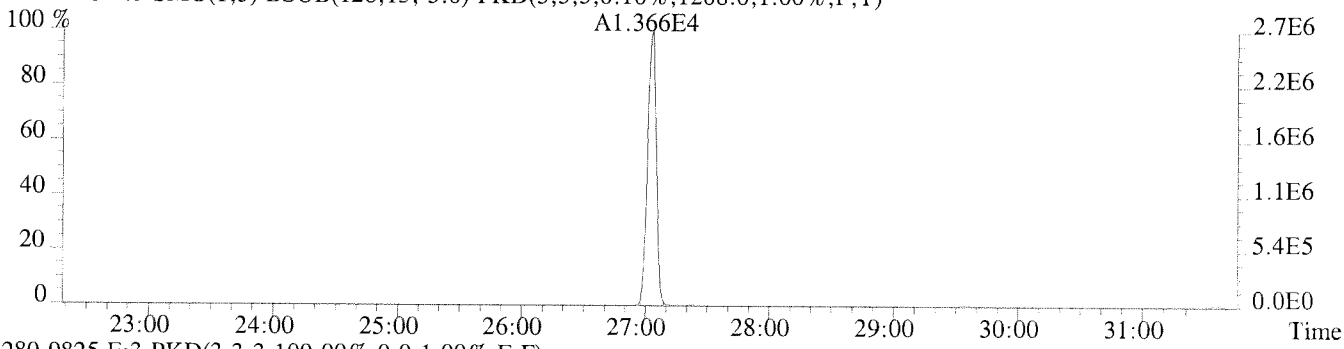
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1232.0,1.00%,F,T)



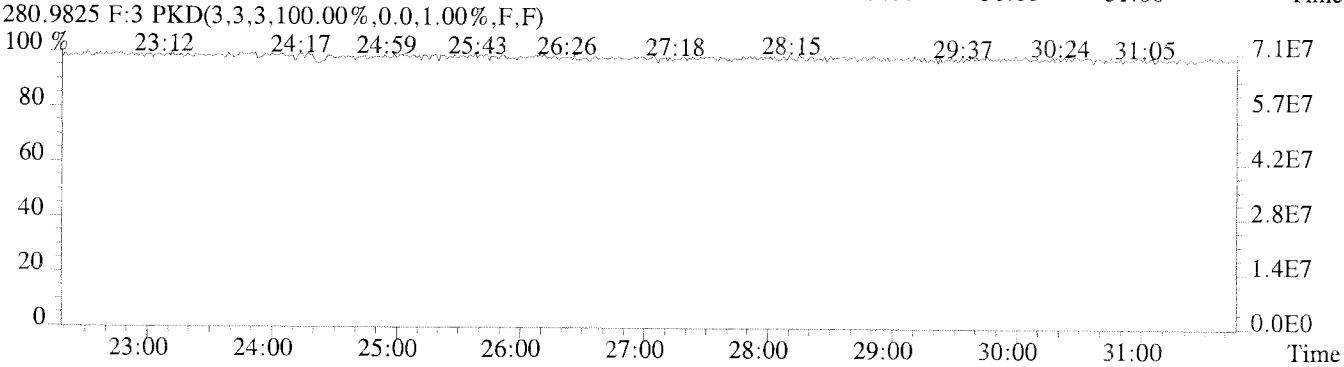
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1180.0,1.00%,F,T)



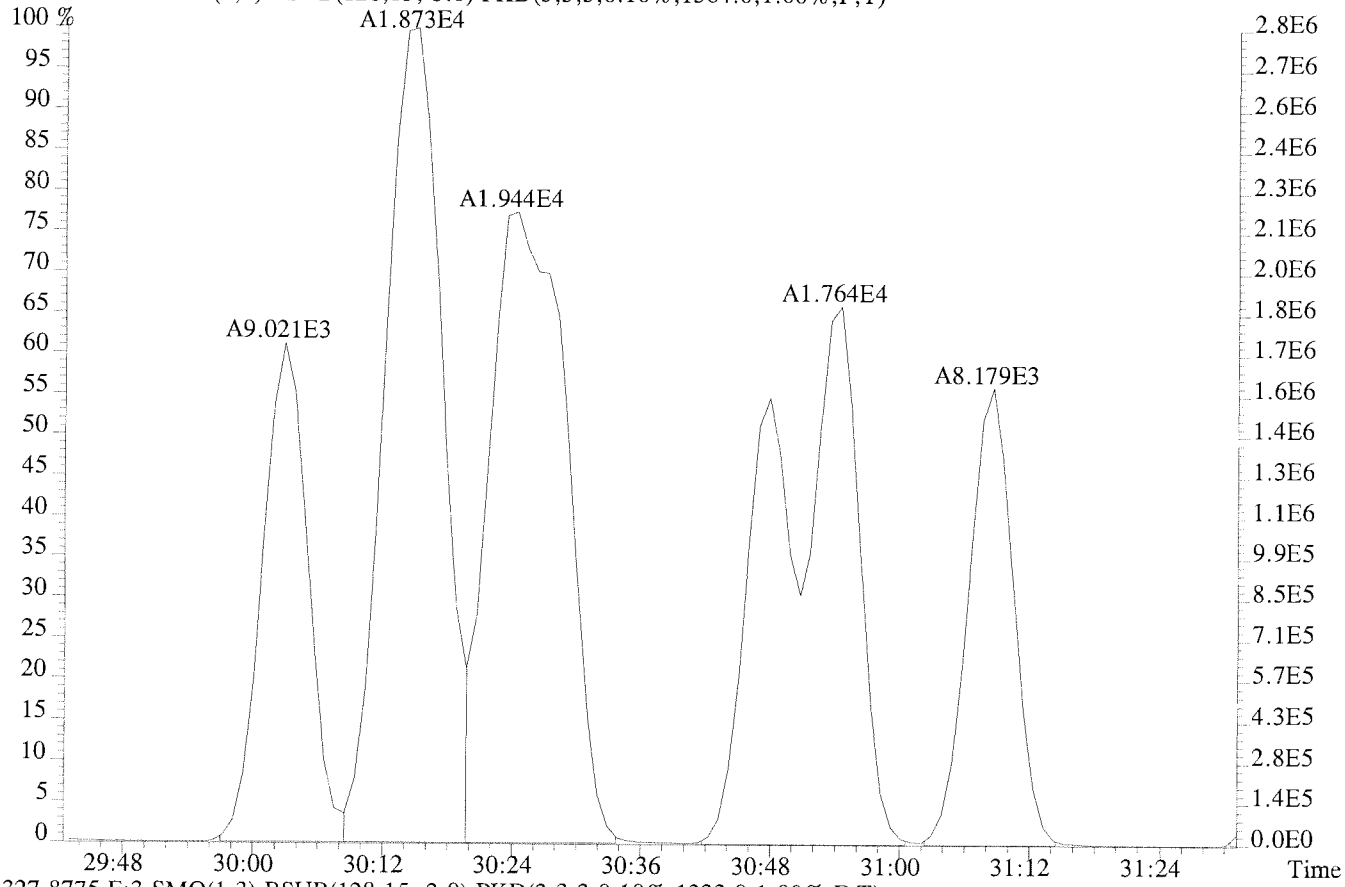
339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1208.0,1.00%,F,T)



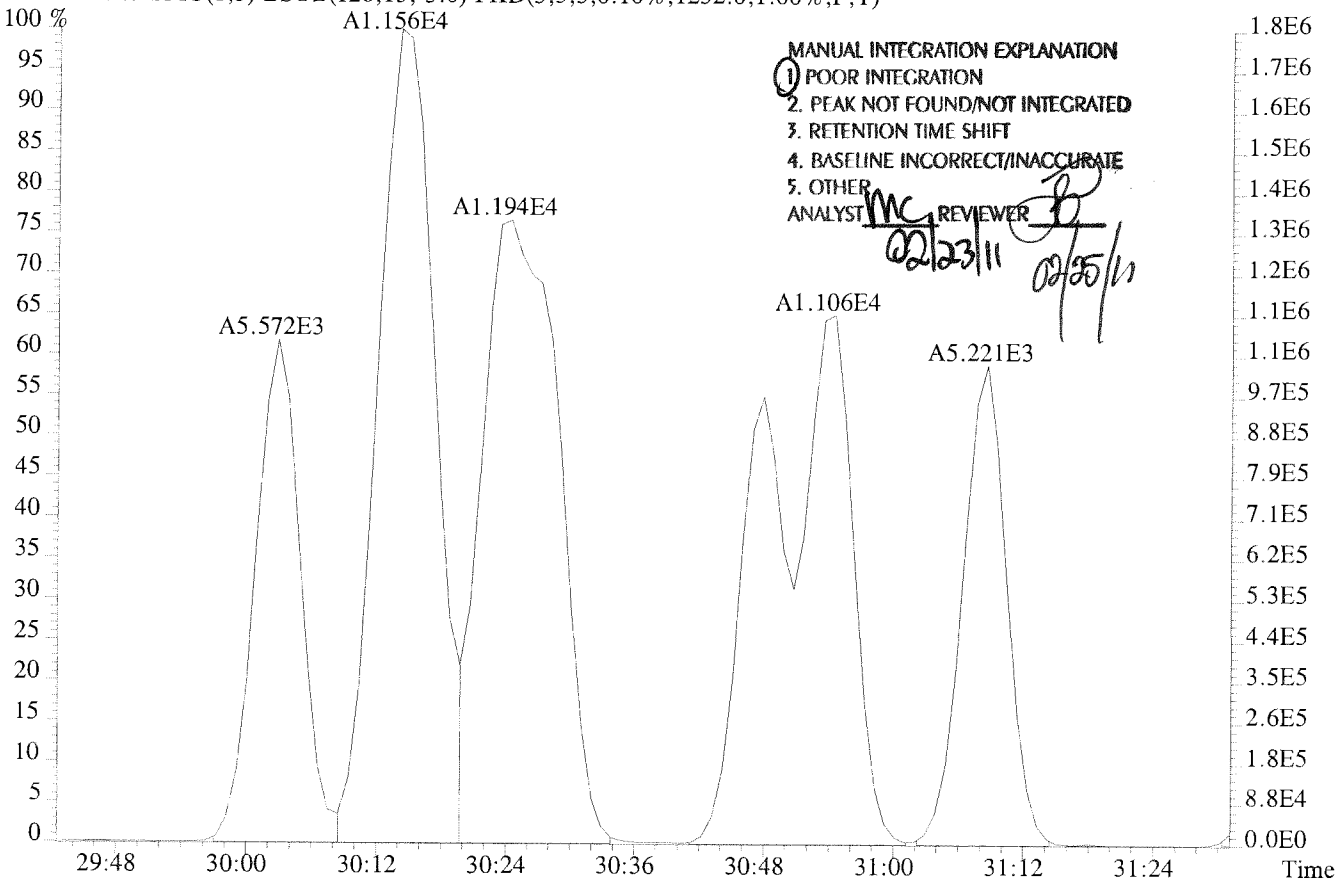
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139139 #1-604 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1364.0,1.00%,F,T)



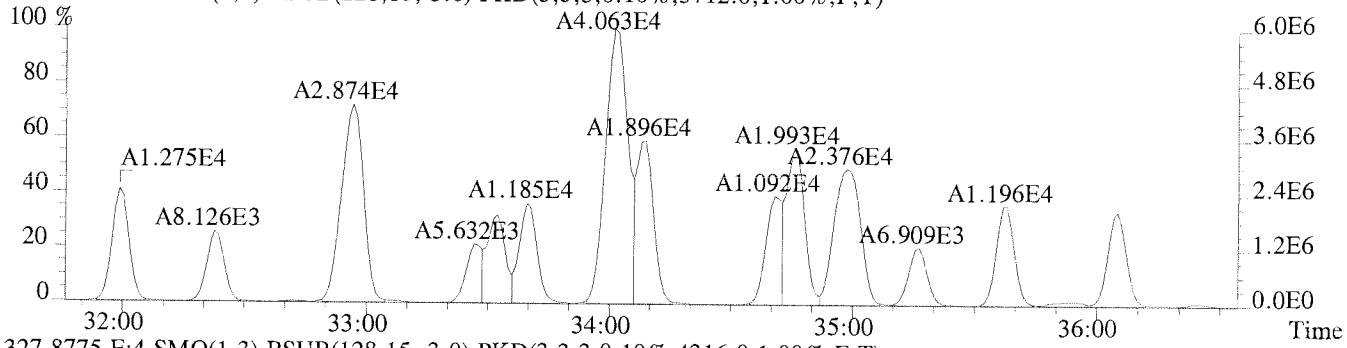
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1232.0,1.00%,F,T)



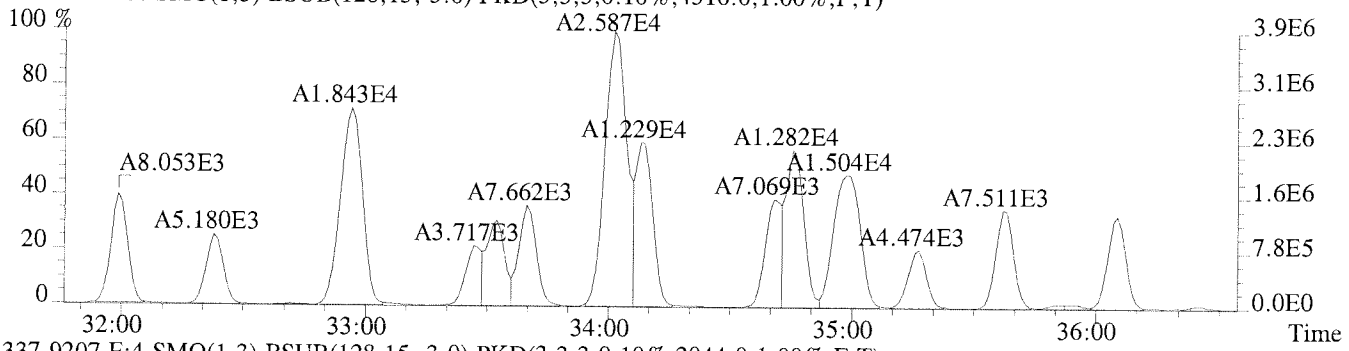
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC 02/23/11 REVIEWER 02/25/11

File:U139139 #1-308 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

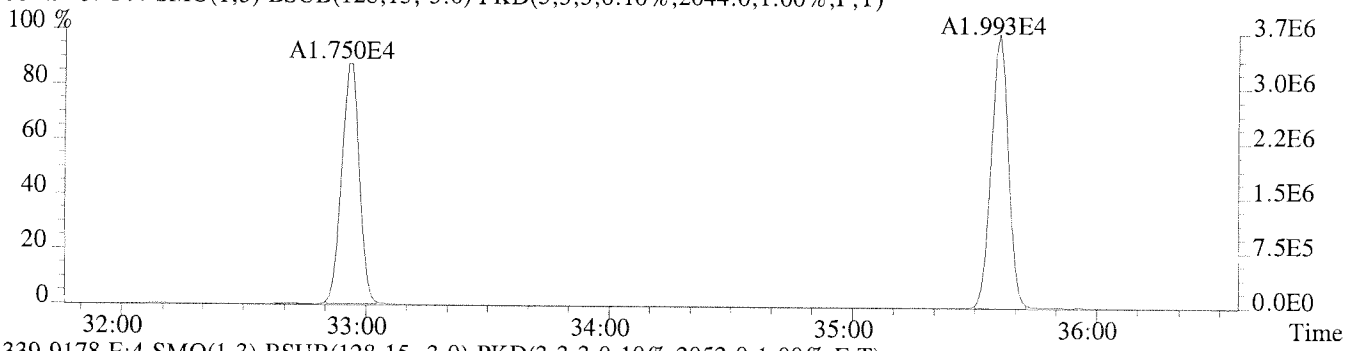
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5712.0,1.00%,F,T)



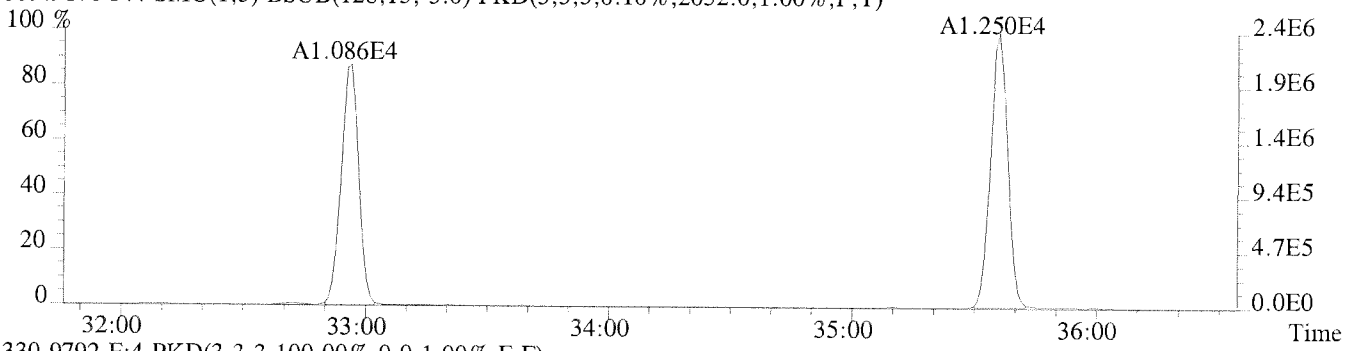
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4316.0,1.00%,F,T)



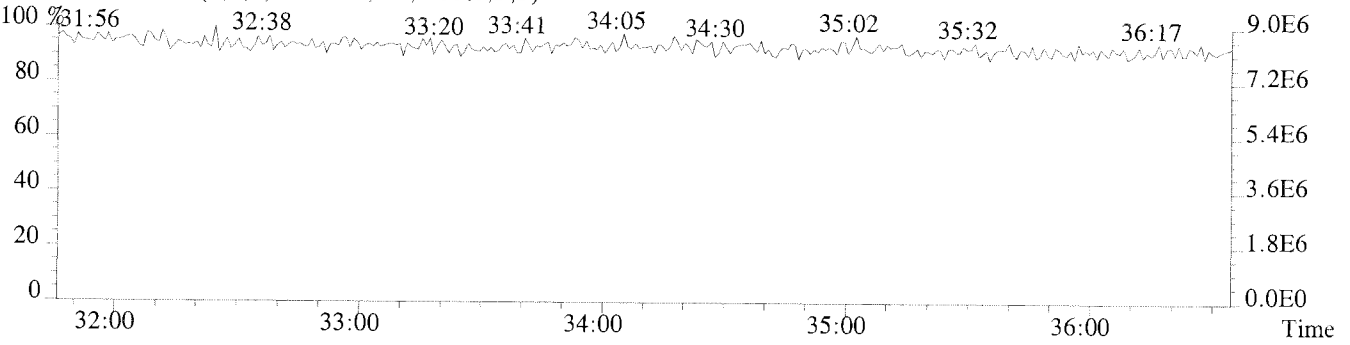
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2044.0,1.00%,F,T)



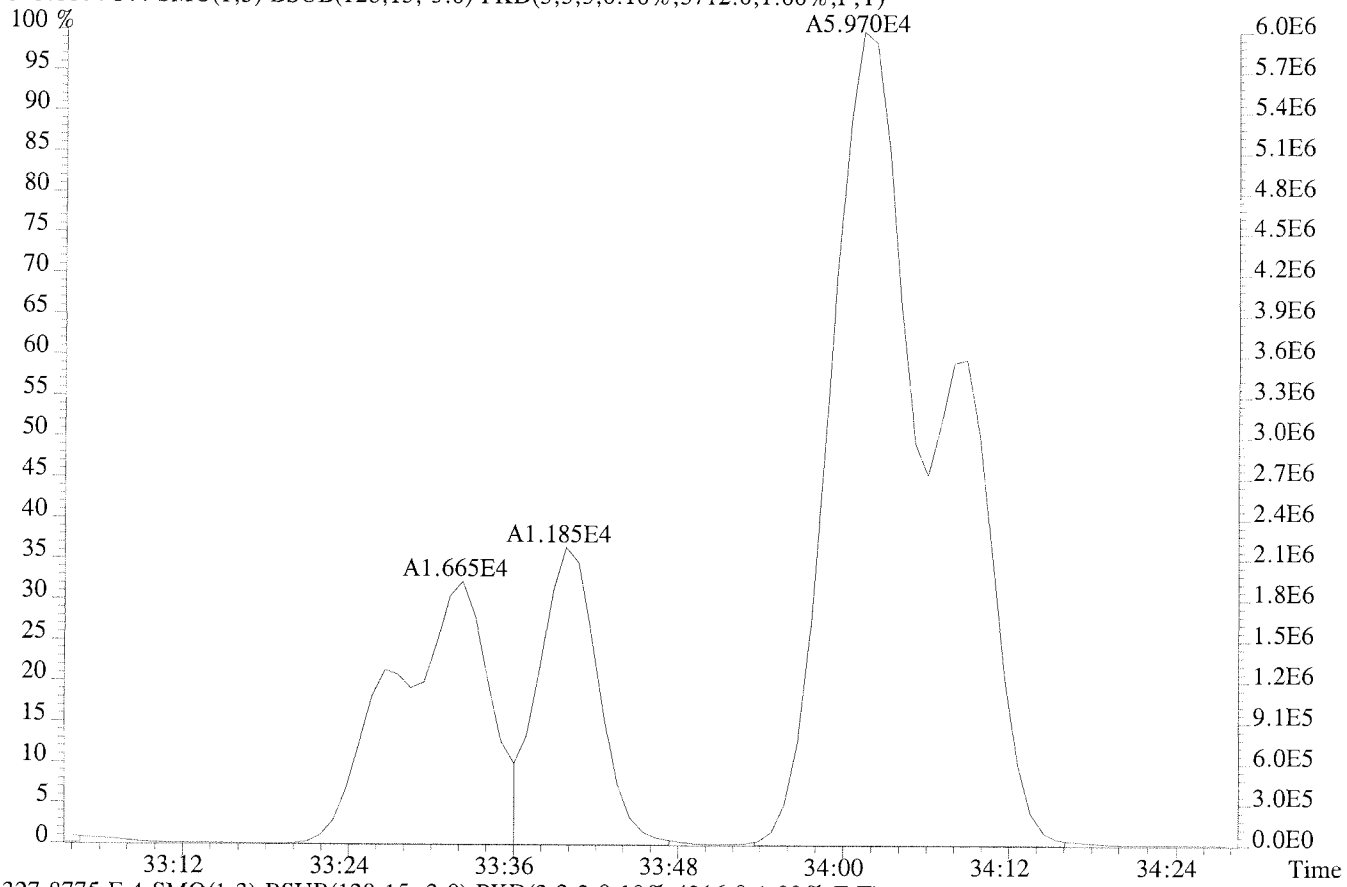
339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2052.0,1.00%,F,T)



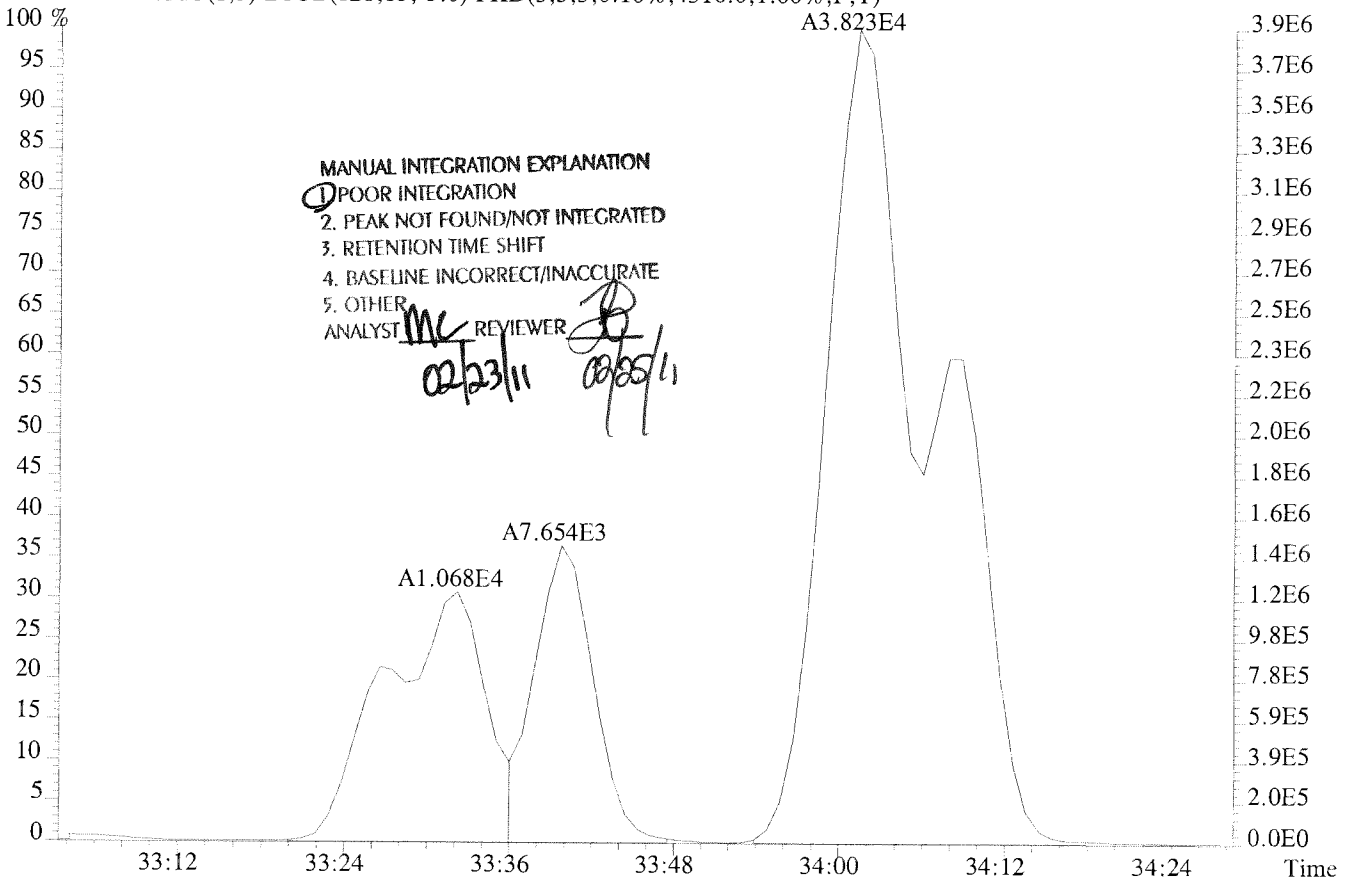
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139139 #1-308 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5712.0,1.00%,F,T)



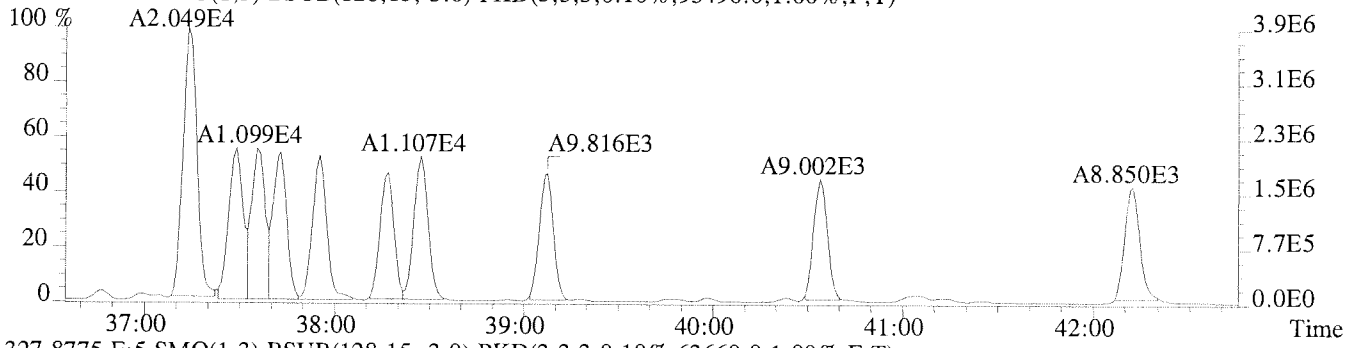
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4316.0,1.00%,F,T)



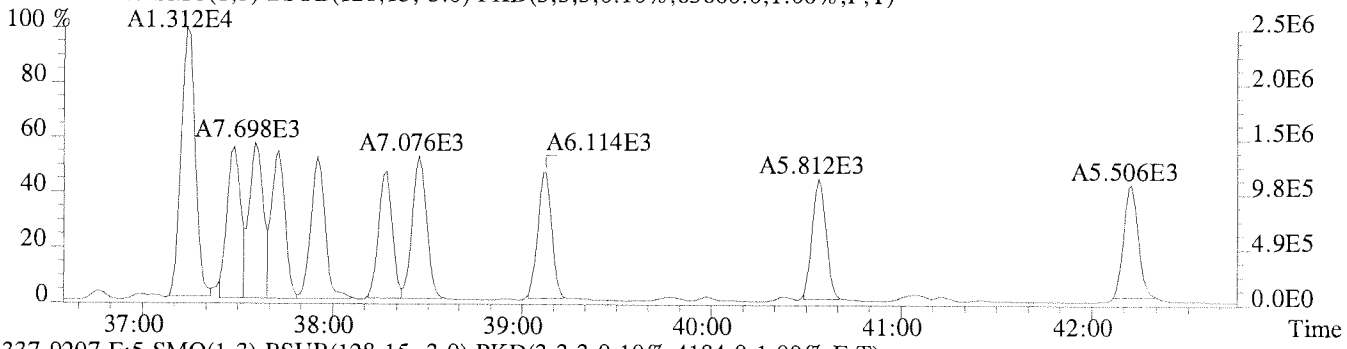
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/23/11 02/25/11

File:U139139 #1-395 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

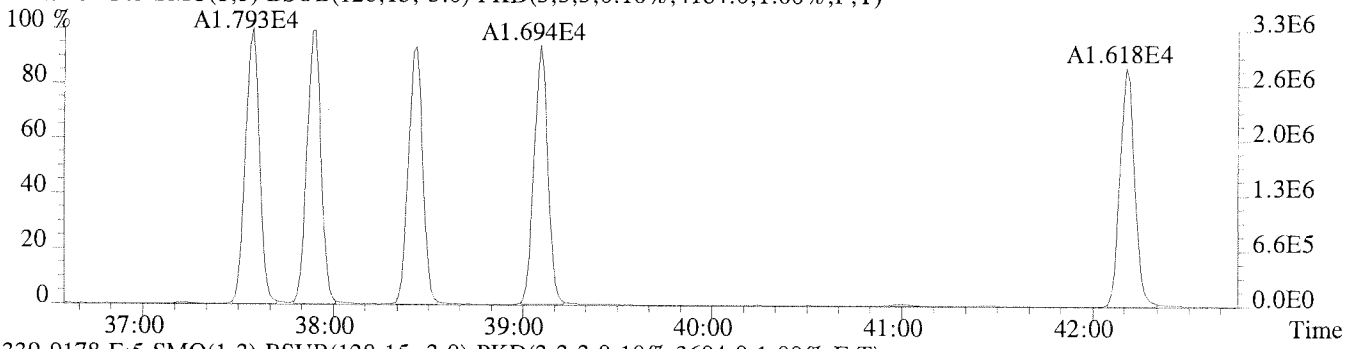
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,95496.0,1.00%,F,T)



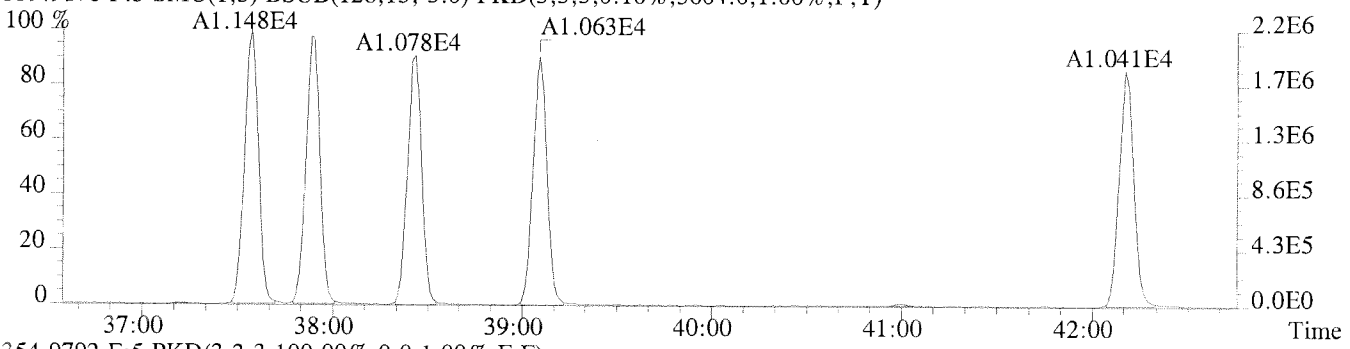
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,63660.0,1.00%,F,T)



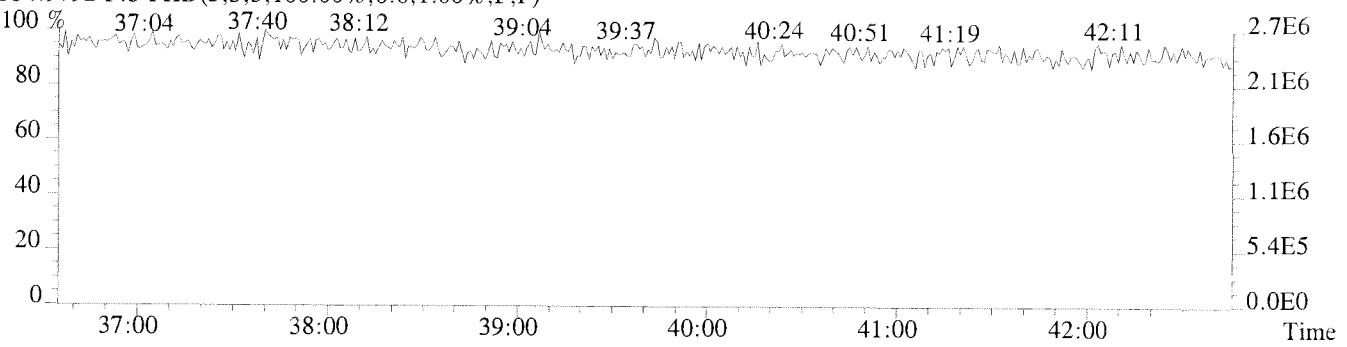
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4184.0,1.00%,F,T)



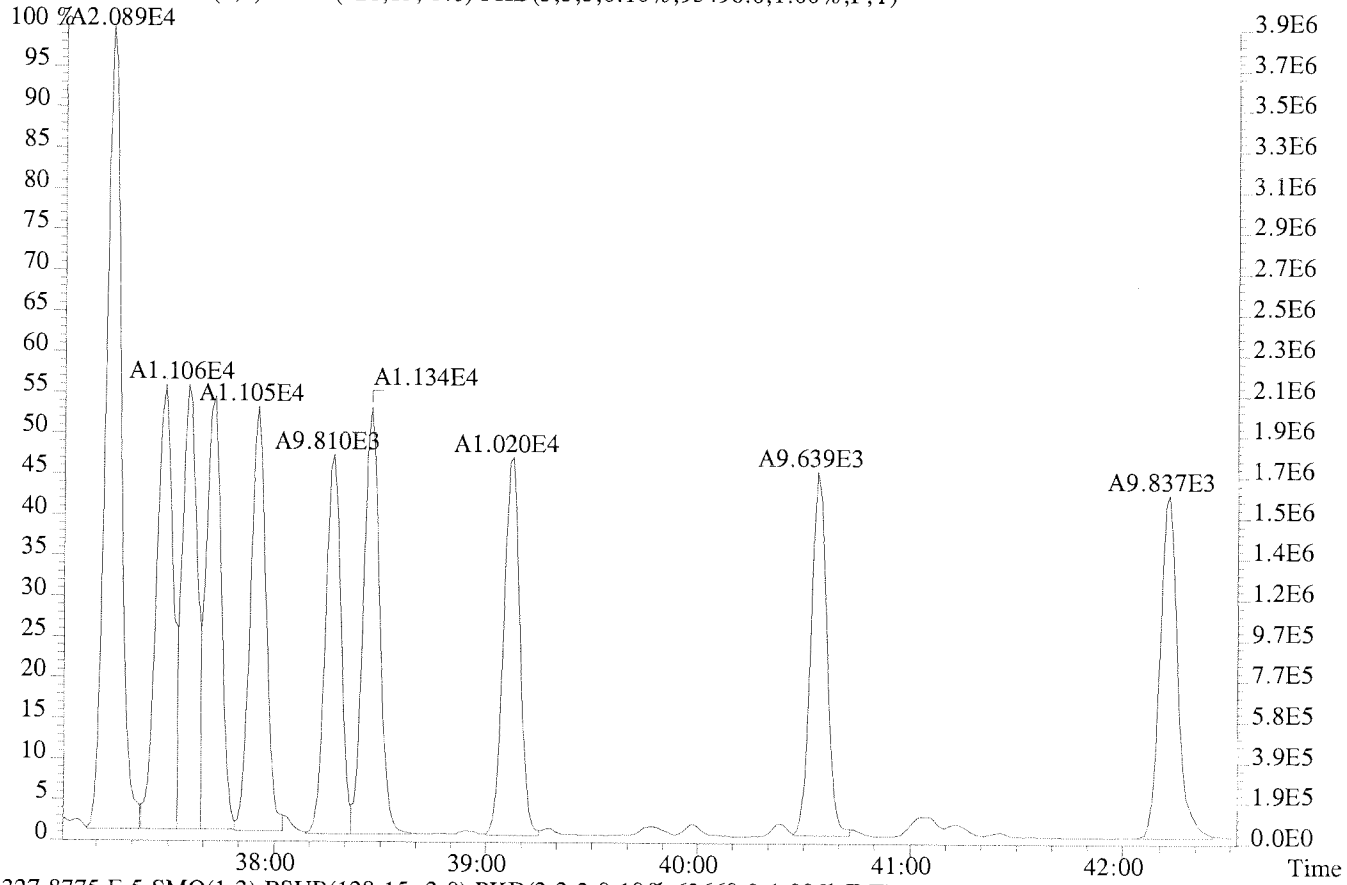
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3604.0,1.00%,F,T)



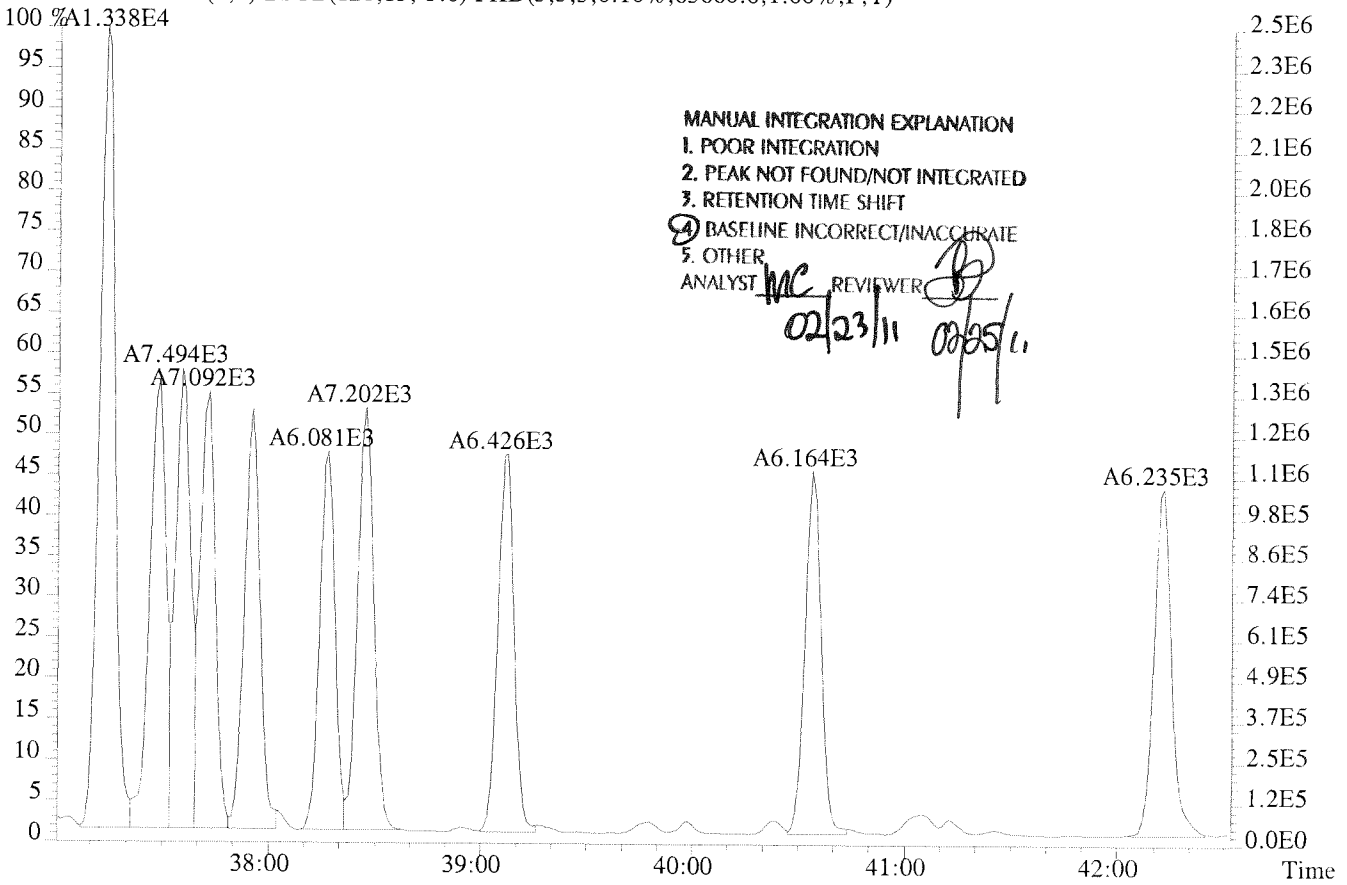
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139139 #1-395 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,95496.0,1.00%,F,T)



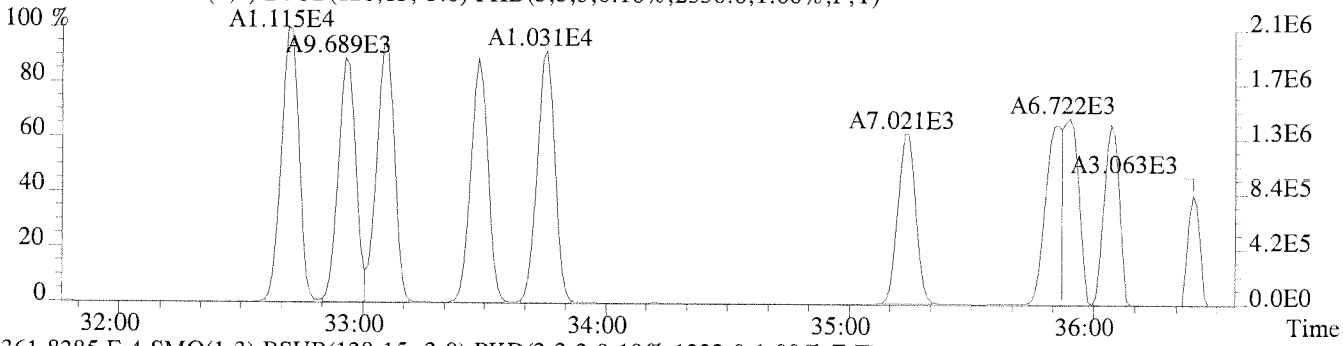
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,63660.0,1.00%,F,T)



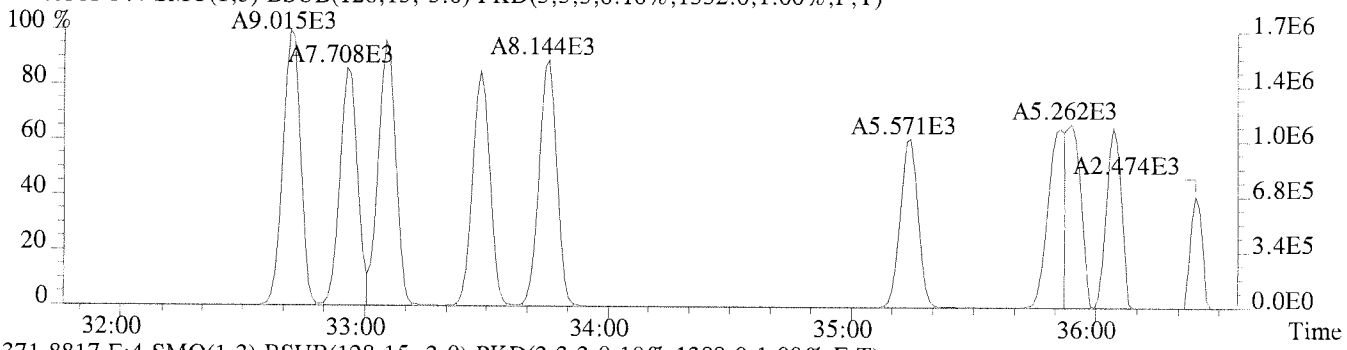
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC 02/23/11 REVIEWER 02/25/11

File:U139139 #1-308 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

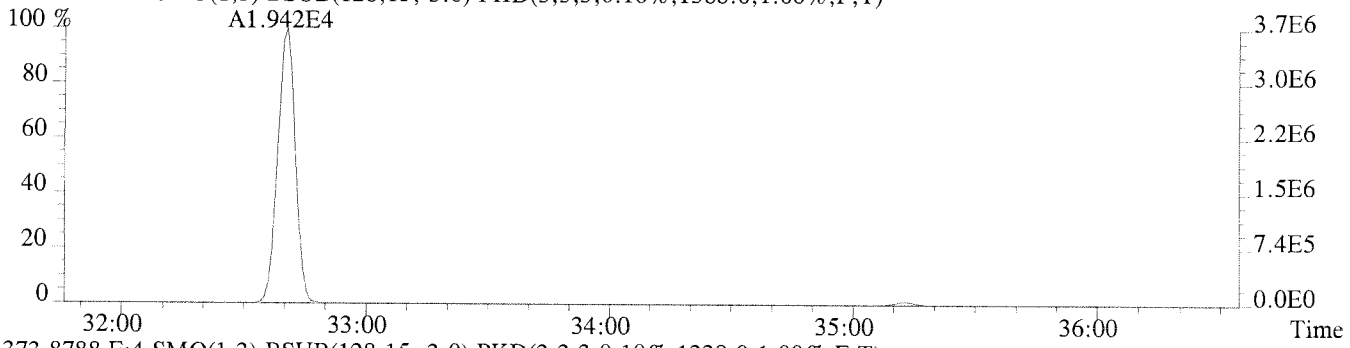
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2556.0,1.00%,F,T)



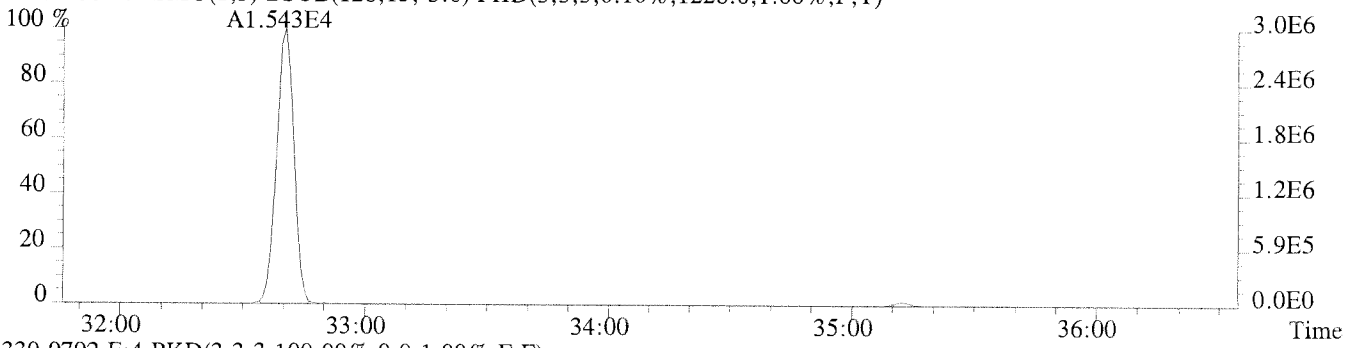
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1332.0,1.00%,F,T)



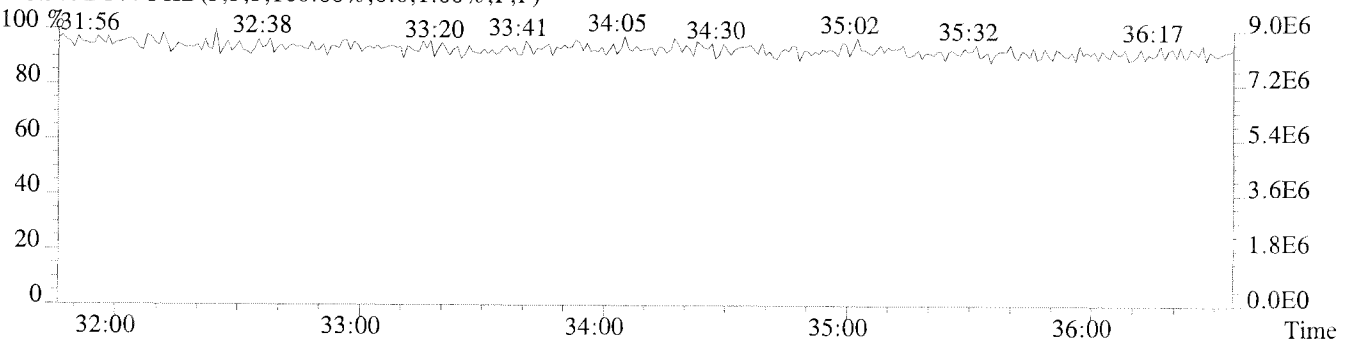
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1388.0,1.00%,F,T)



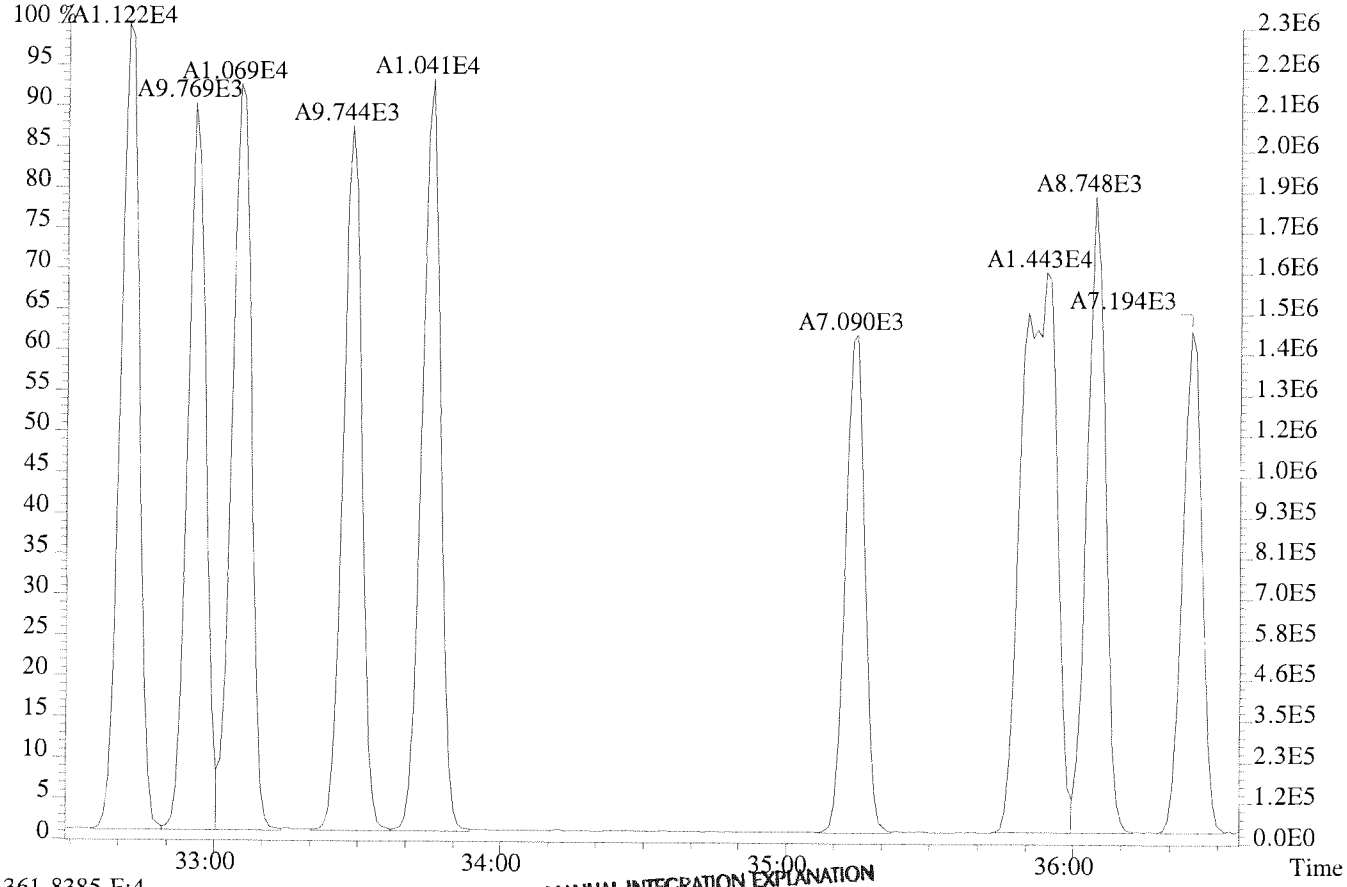
373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)



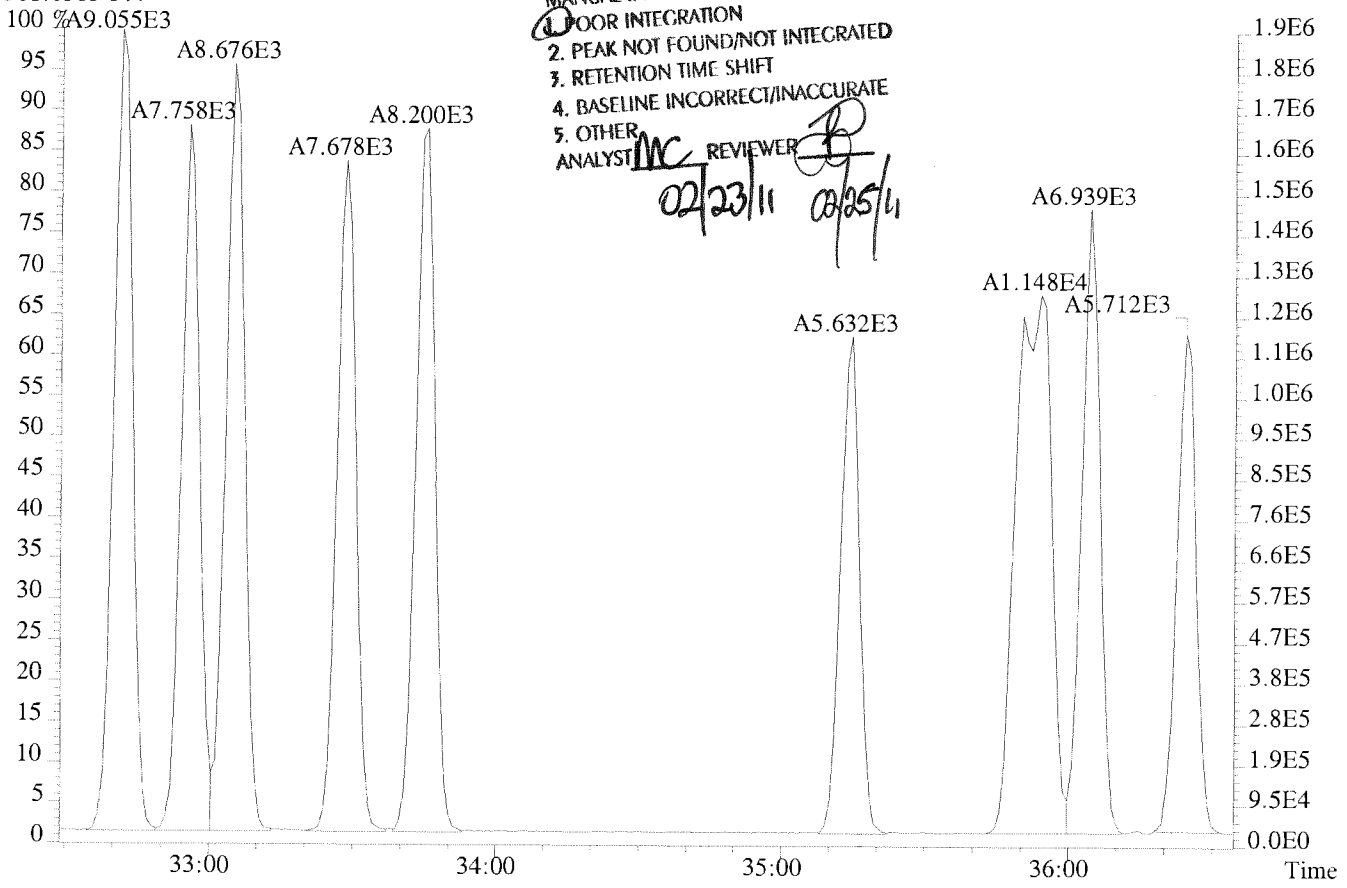
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139139 #1-308 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
359.8415 F:4



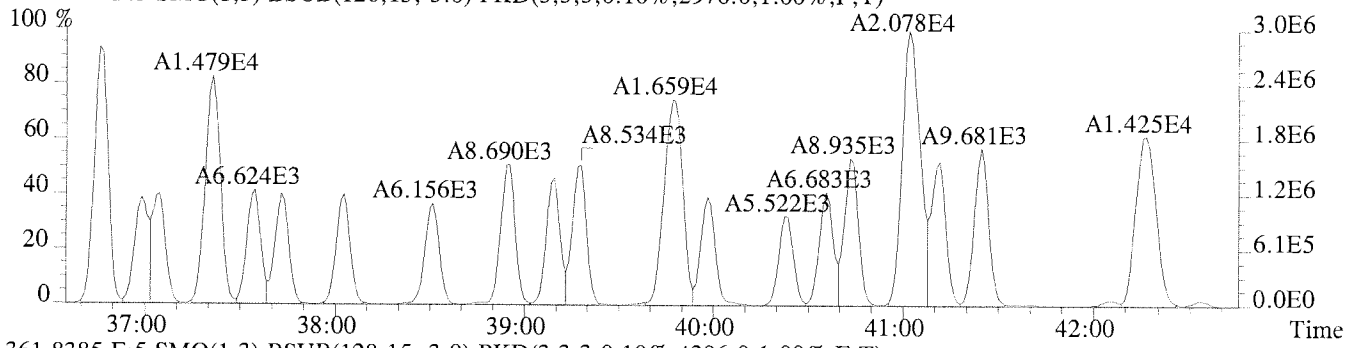
361.8385 F:4



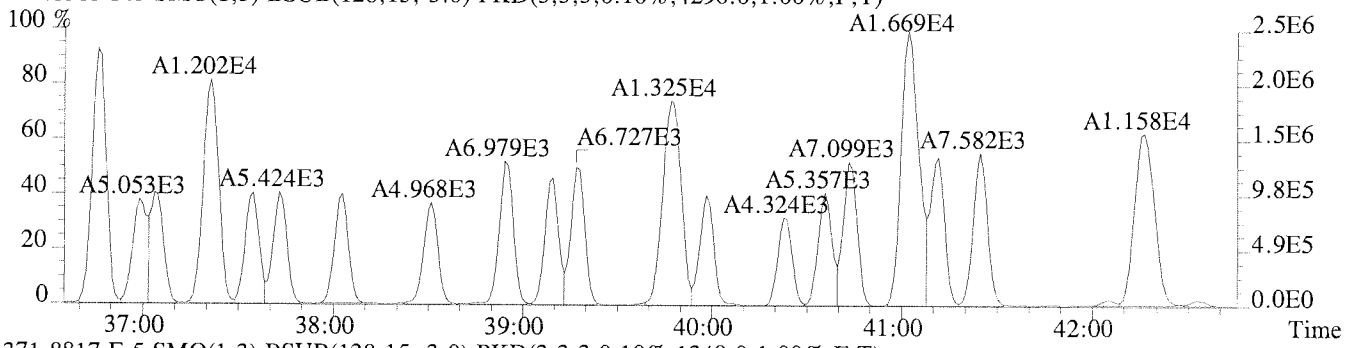
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/23/11 03/25/11

File:U139139 #1-395 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

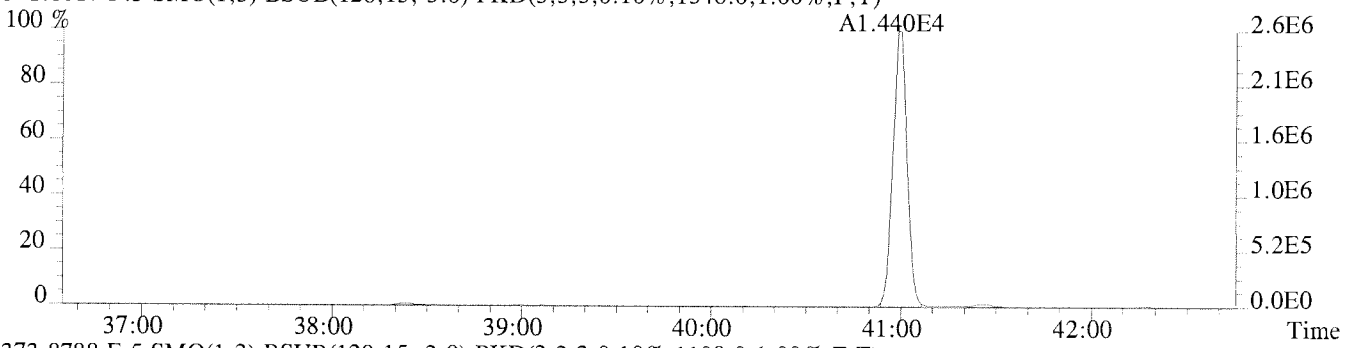
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2976.0,1.00%,F,T)



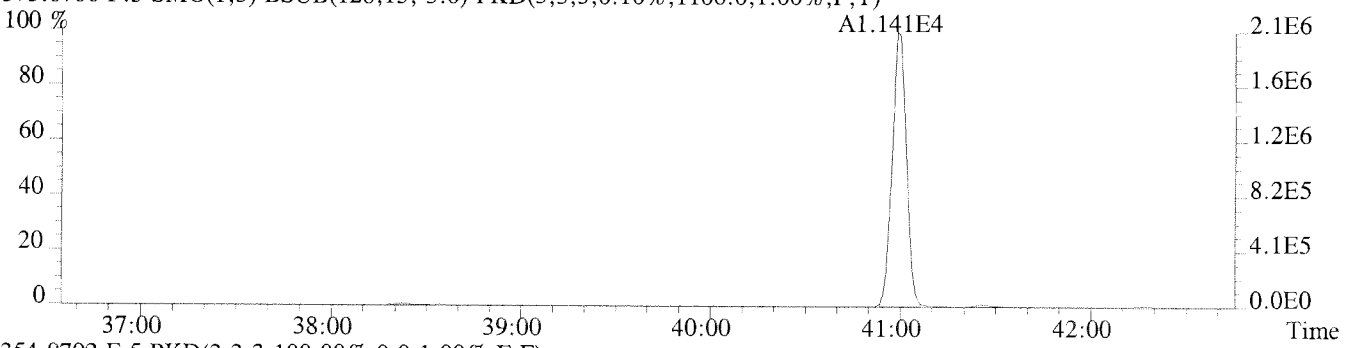
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4296.0,1.00%,F,T)



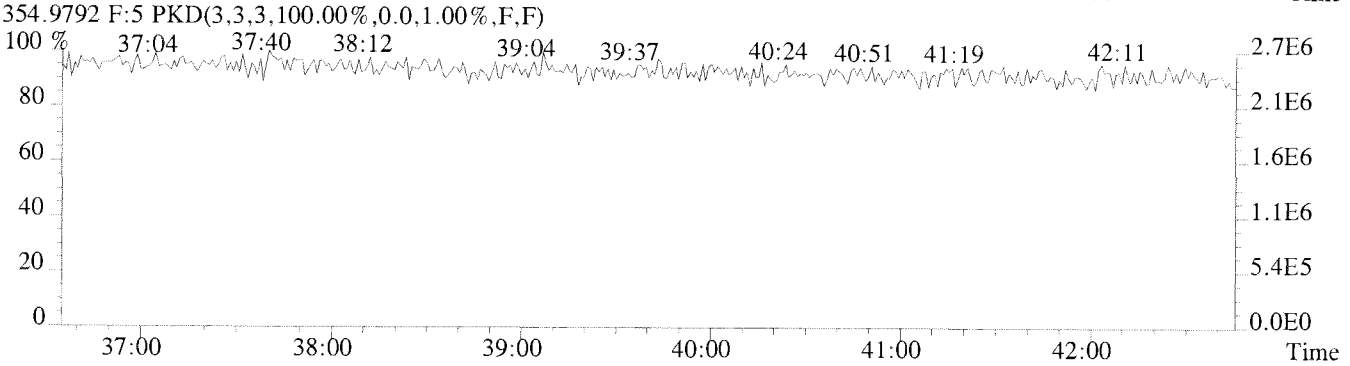
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1348.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1108.0,1.00%,F,T)

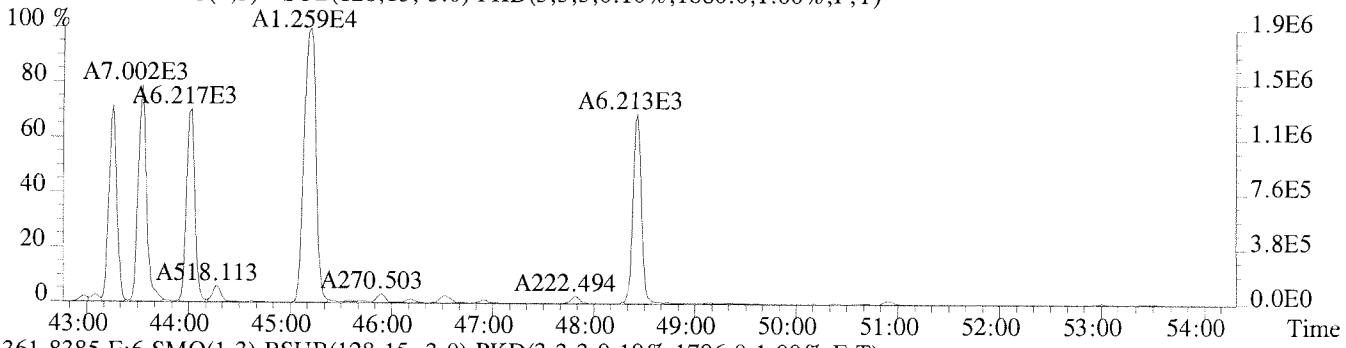


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

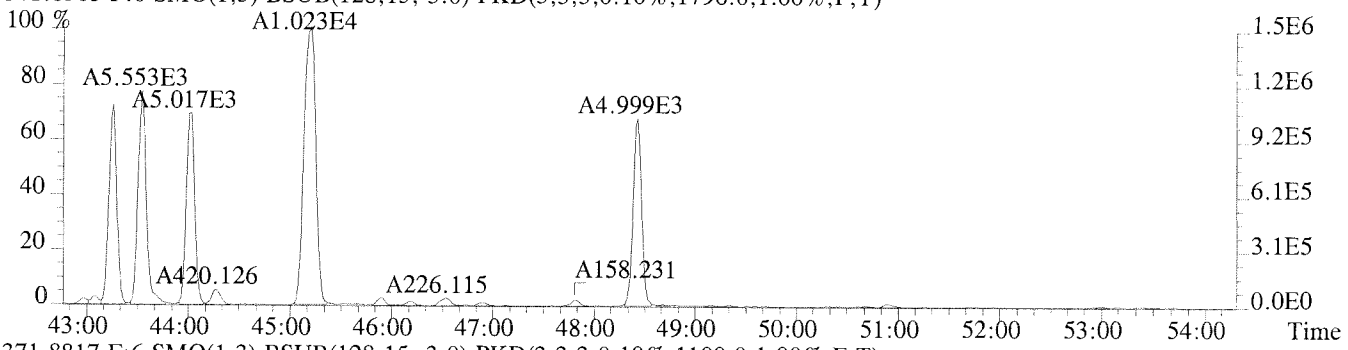


File:U139139 #1-572 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

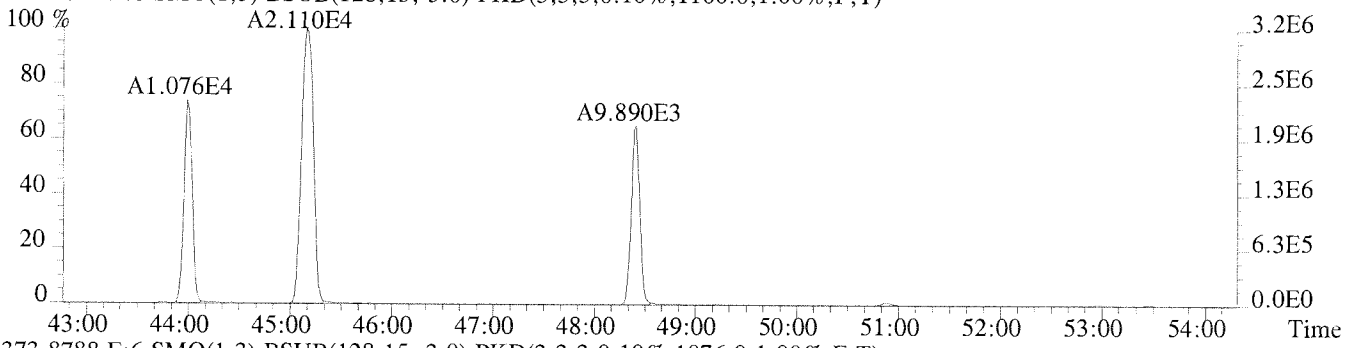
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1880.0,1.00%,F,T)



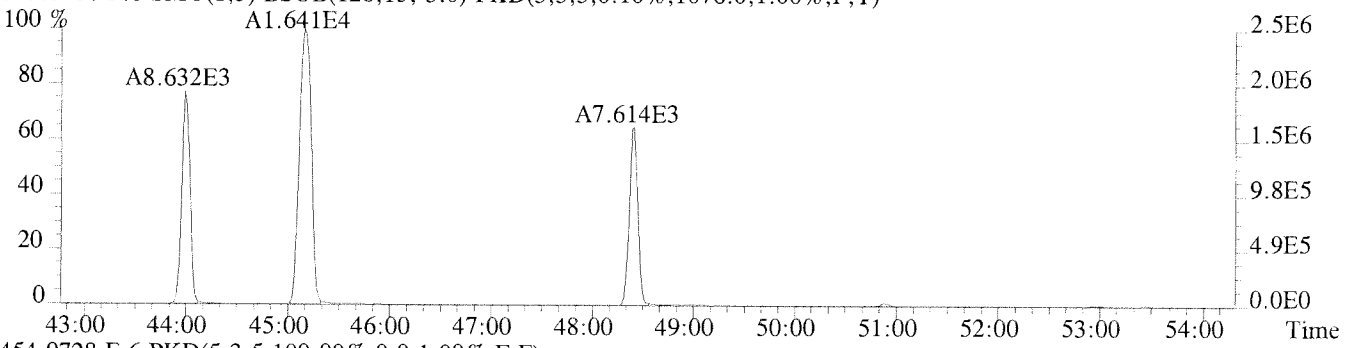
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1796.0,1.00%,F,T)



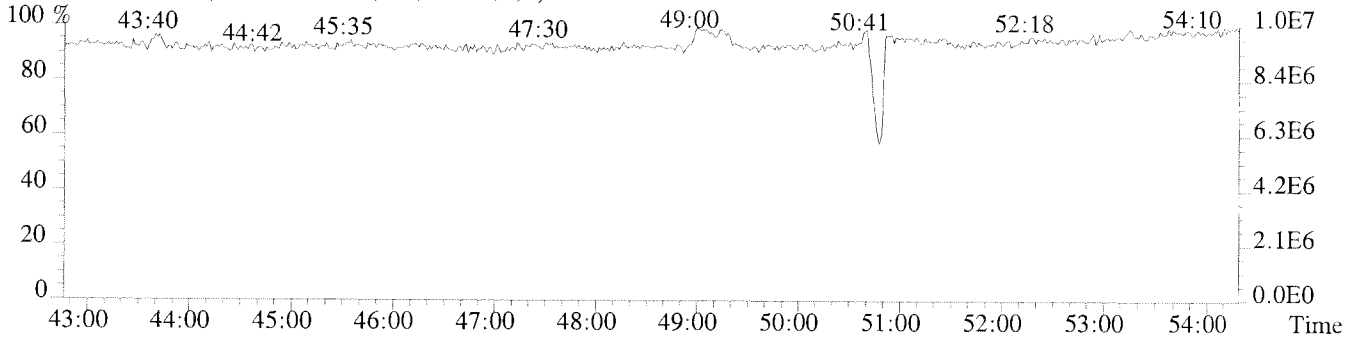
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1100.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1076.0,1.00%,F,T)

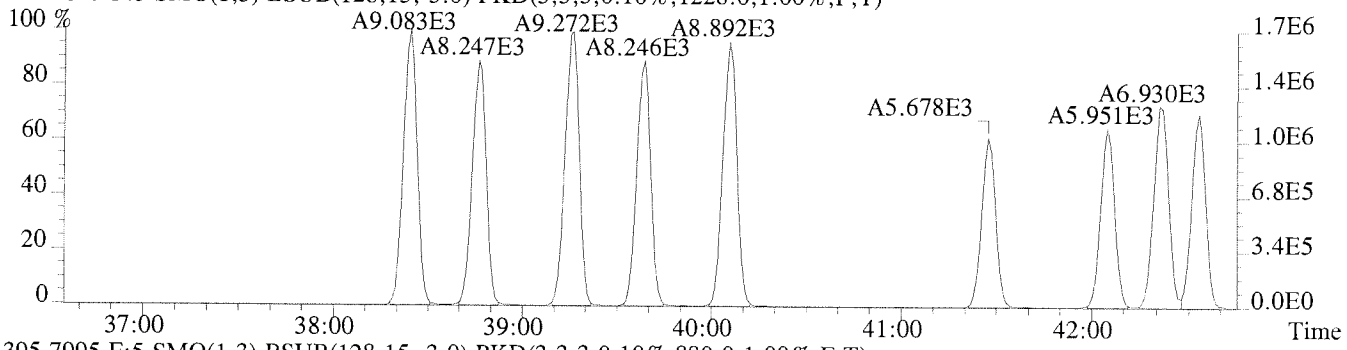


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

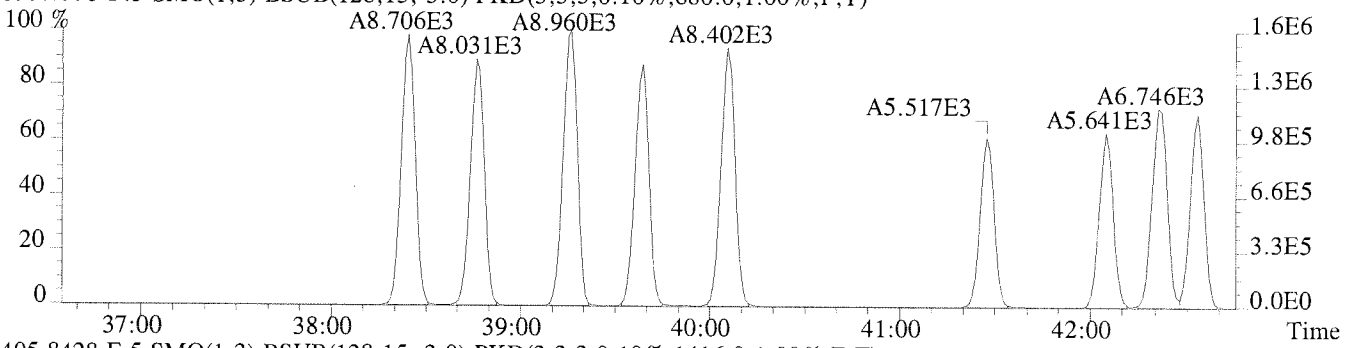


File:U139139 #1-395 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

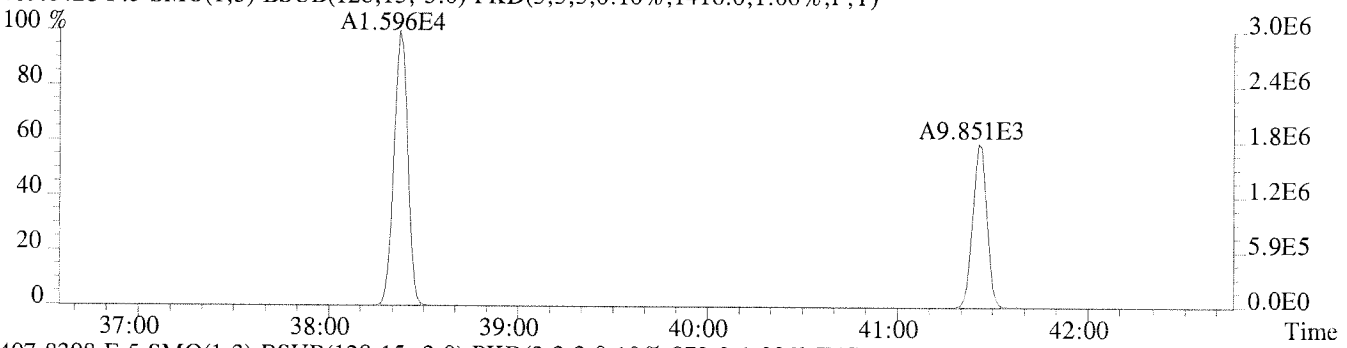
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)



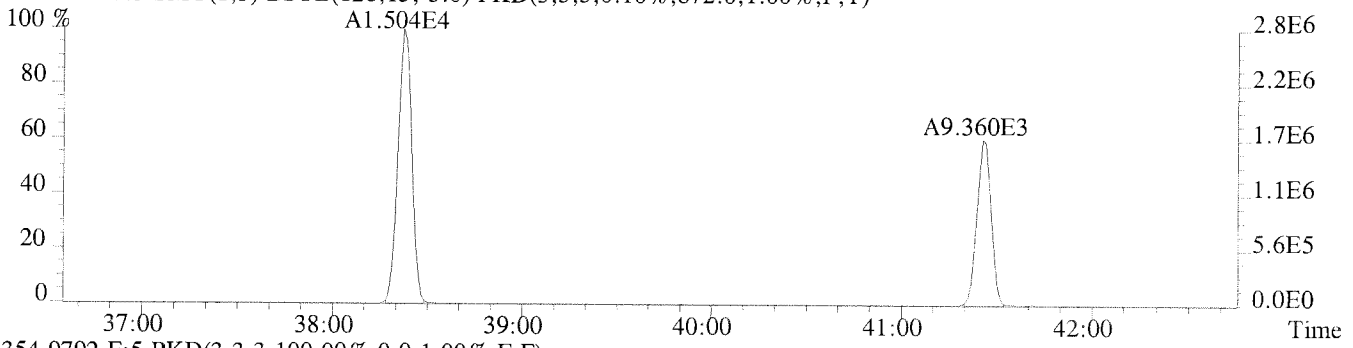
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)



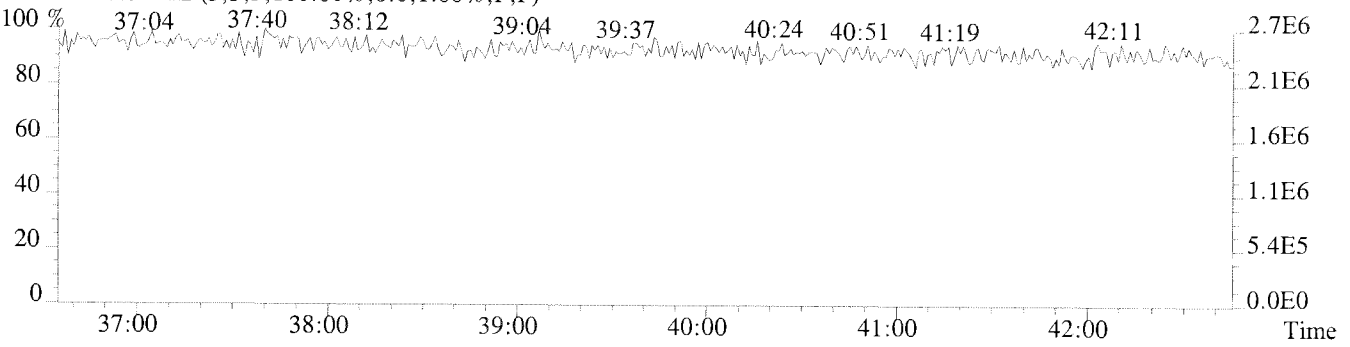
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1416.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)

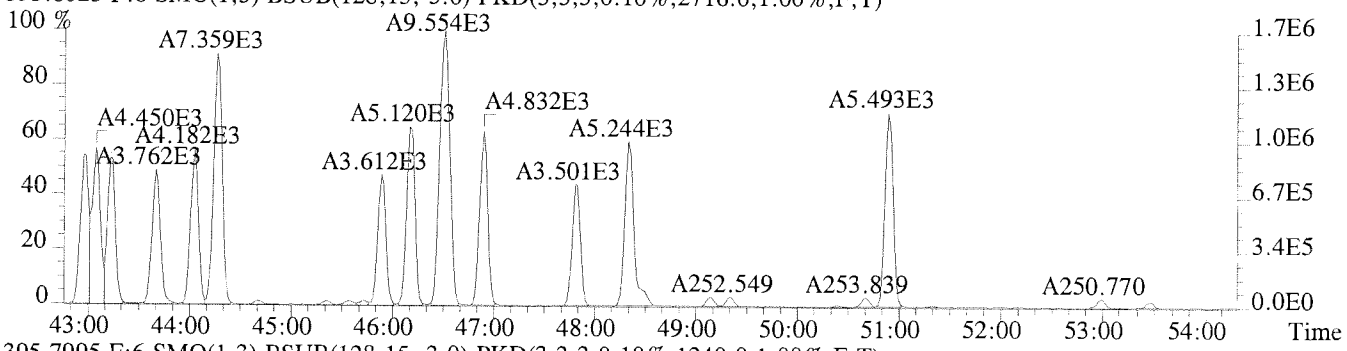


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

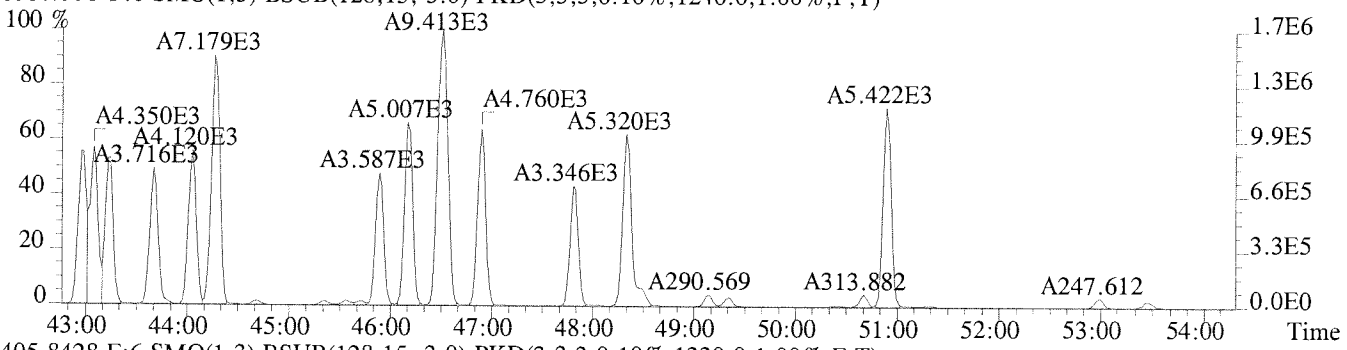


File:U139139 #1-572 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

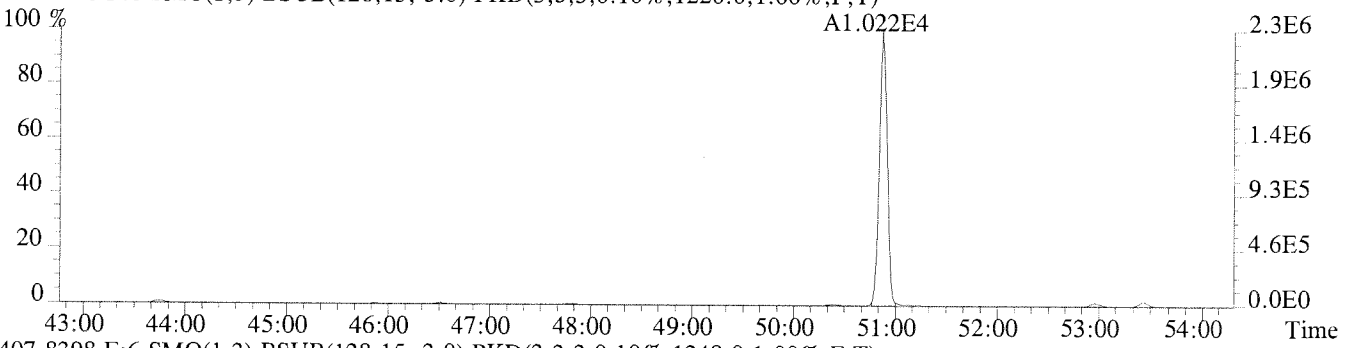
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2716.0,1.00%,F,T)



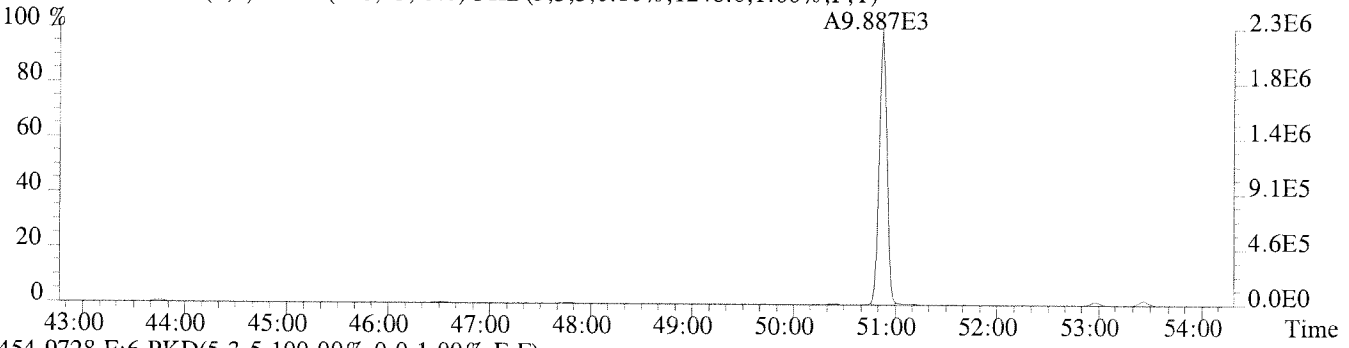
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1240.0,1.00%,F,T)



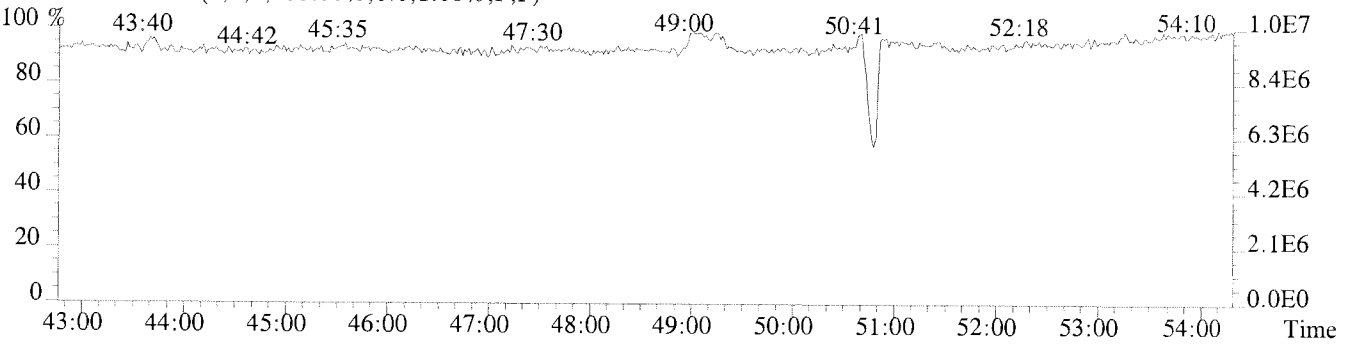
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1220.0,1.00%,F,T)



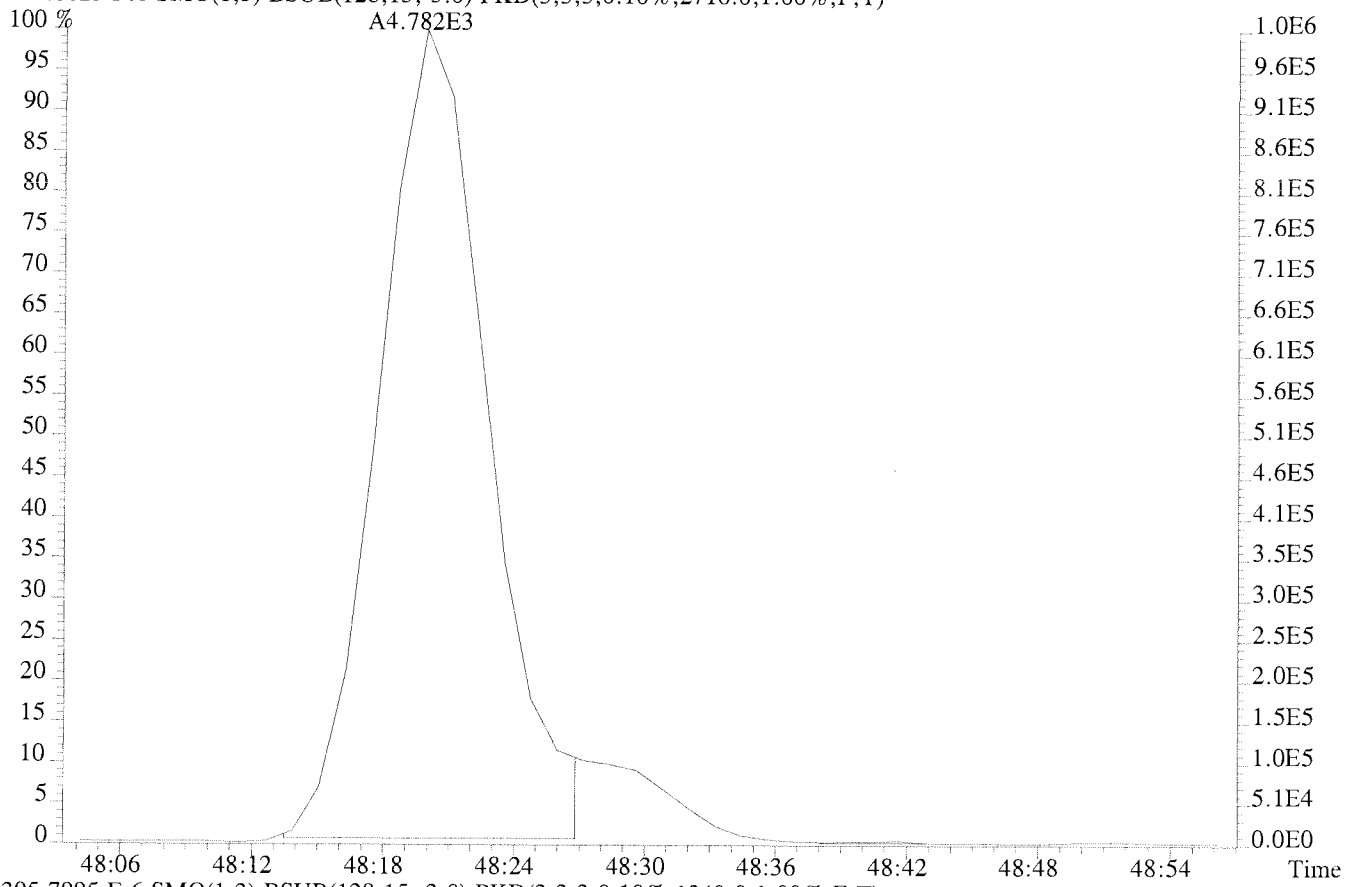
407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1248.0,1.00%,F,T)



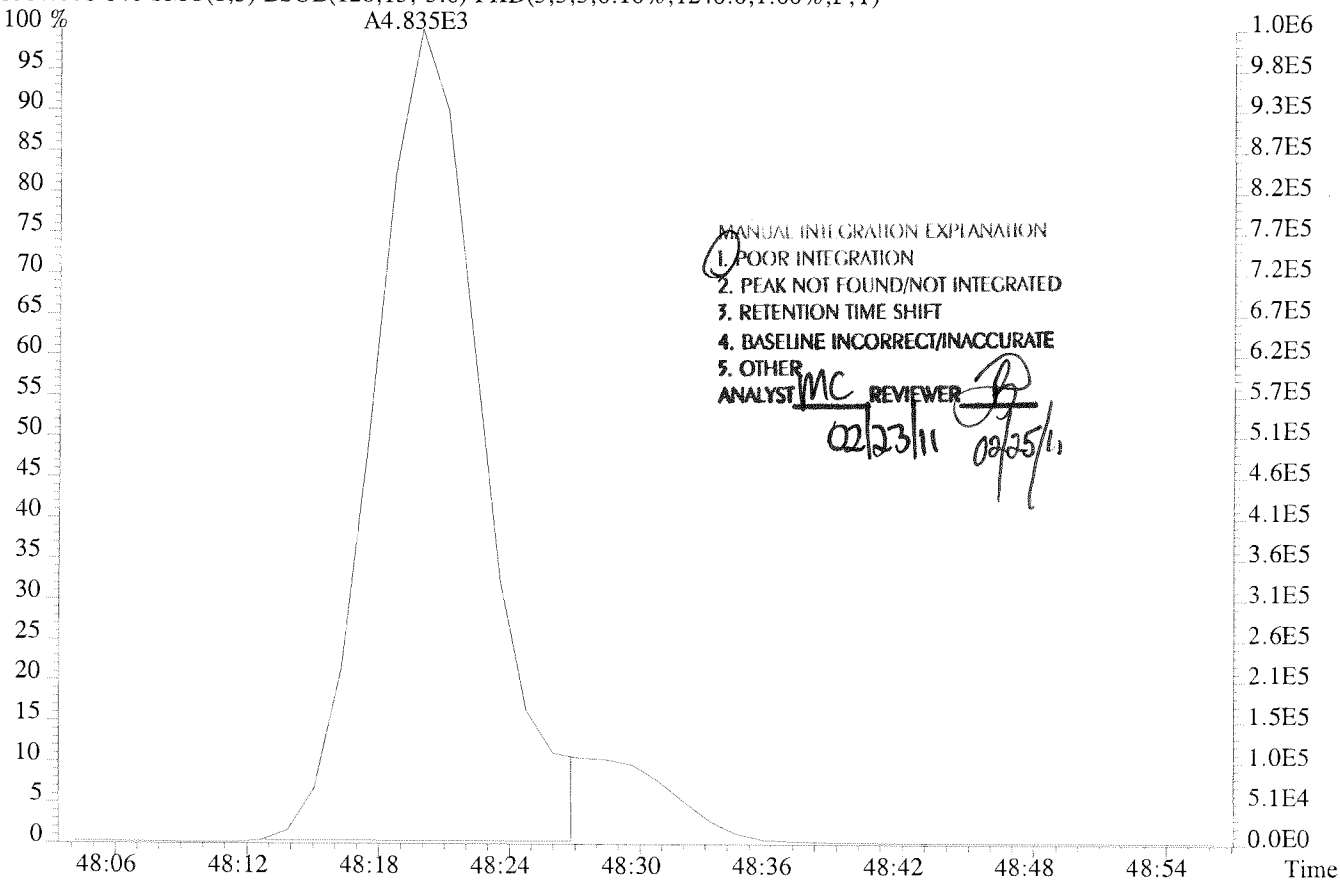
454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



File:U139139 #1-572 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2716.0,1.00%,F,T)



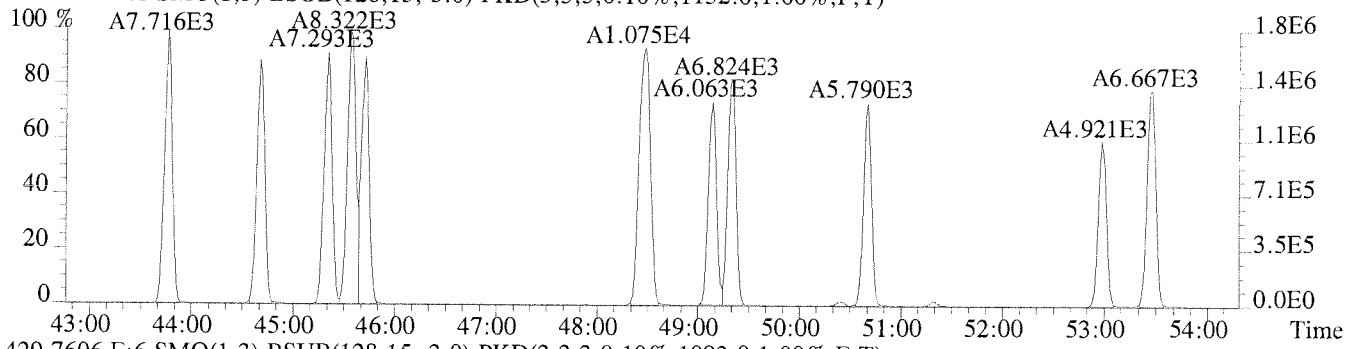
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1240.0,1.00%,F,T)



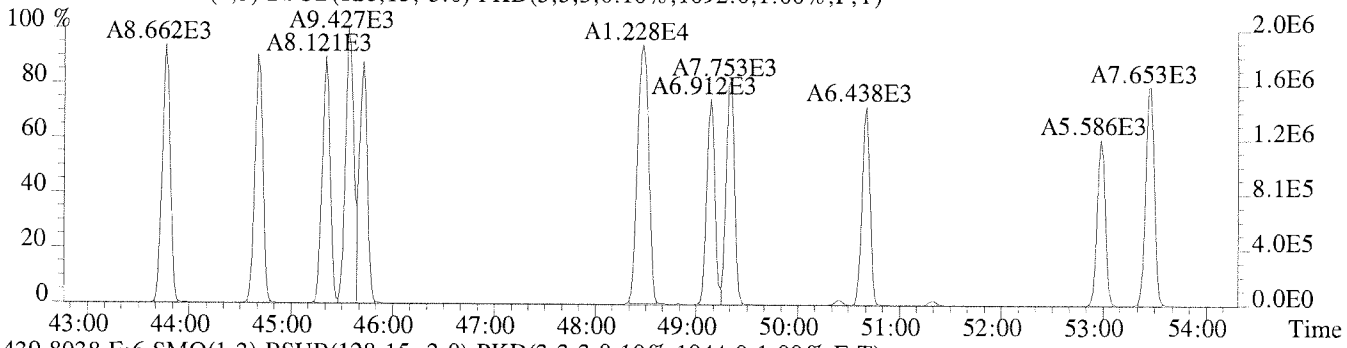
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/23/11 02/25/11

File:U139139 #1-572 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

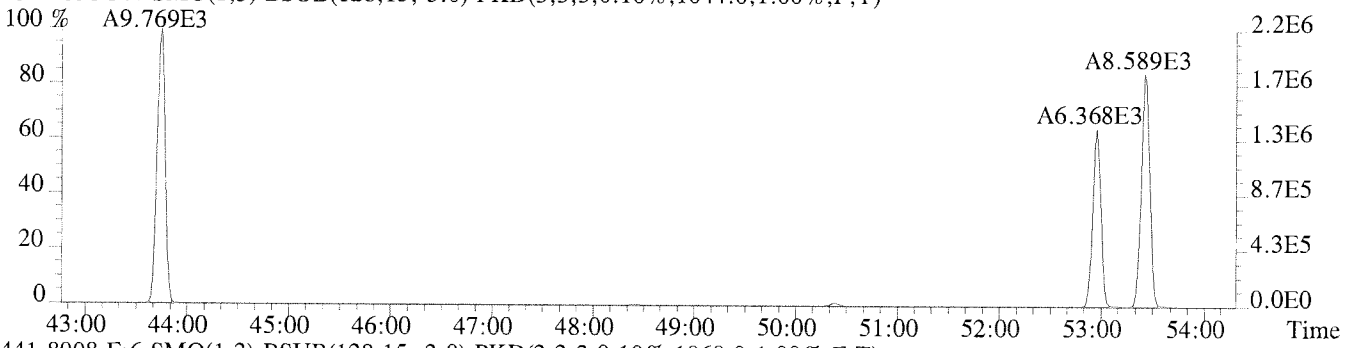
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1152.0,1.00%,F,T)



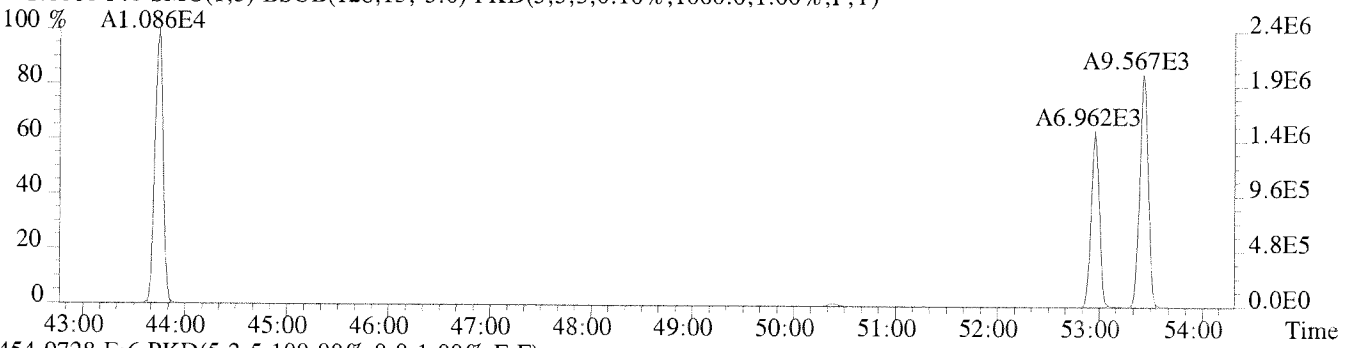
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1092.0,1.00%,F,T)



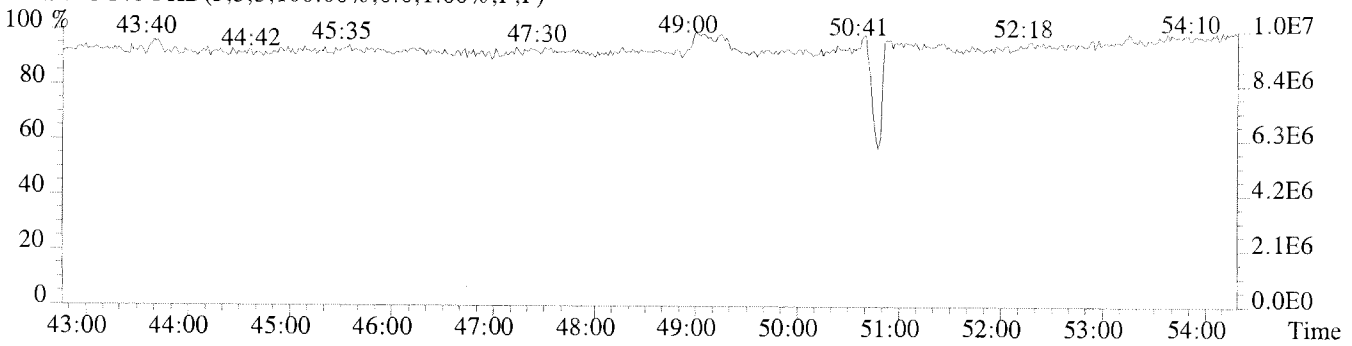
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1044.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1060.0,1.00%,F,T)

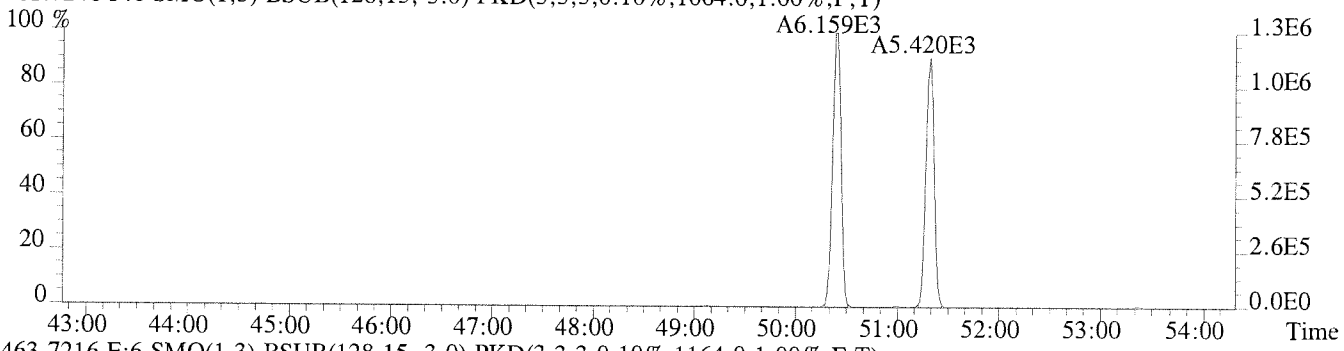


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

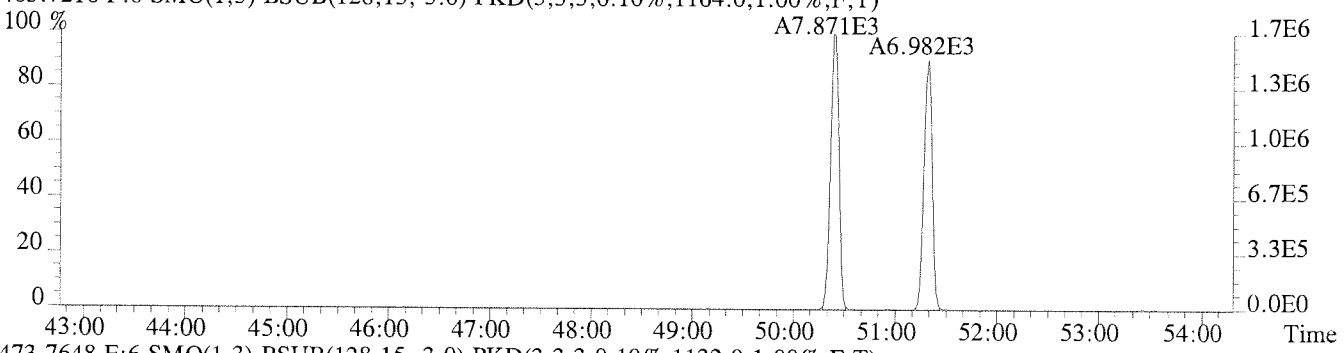


File:U139139 #1-572 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

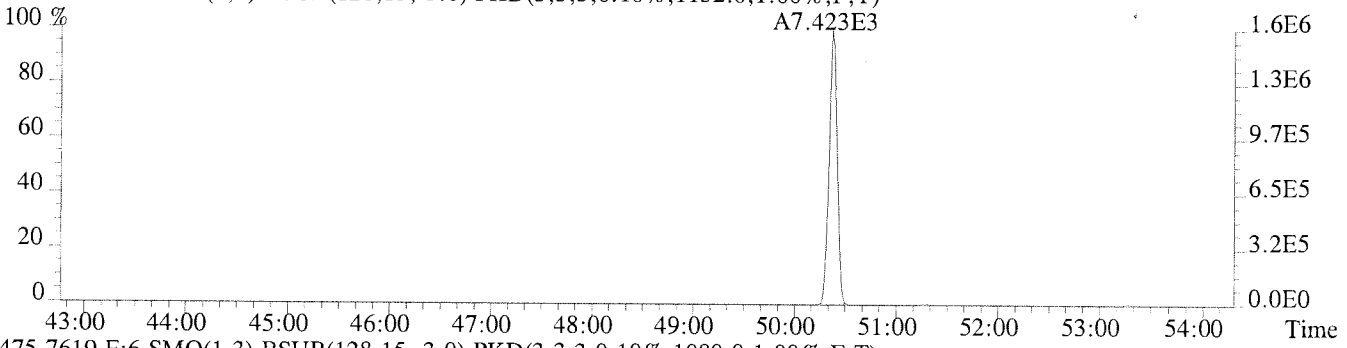
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1064.0,1.00%,F,T)



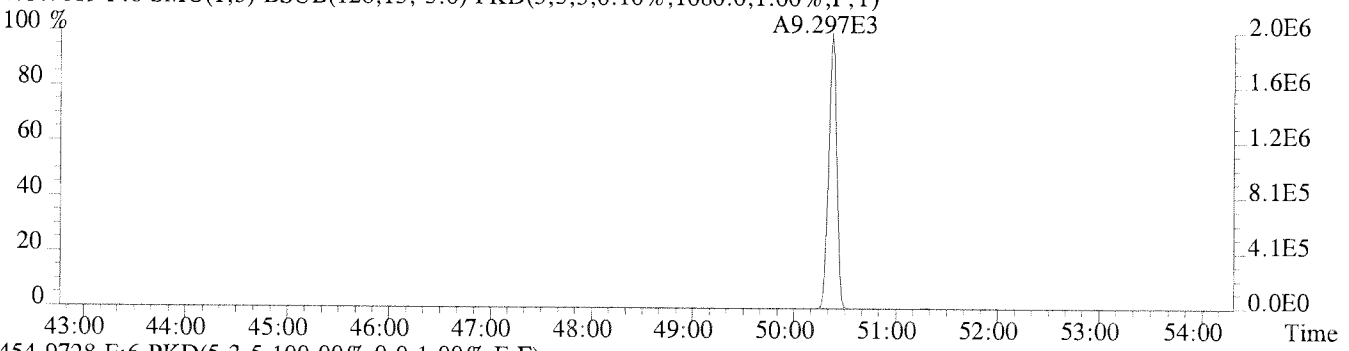
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1164.0,1.00%,F,T)



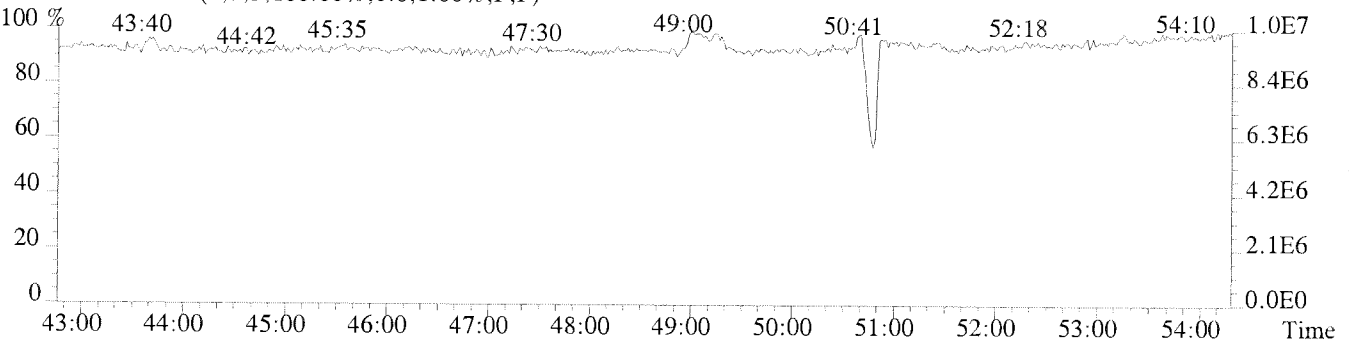
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1132.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1080.0,1.00%,F,T)

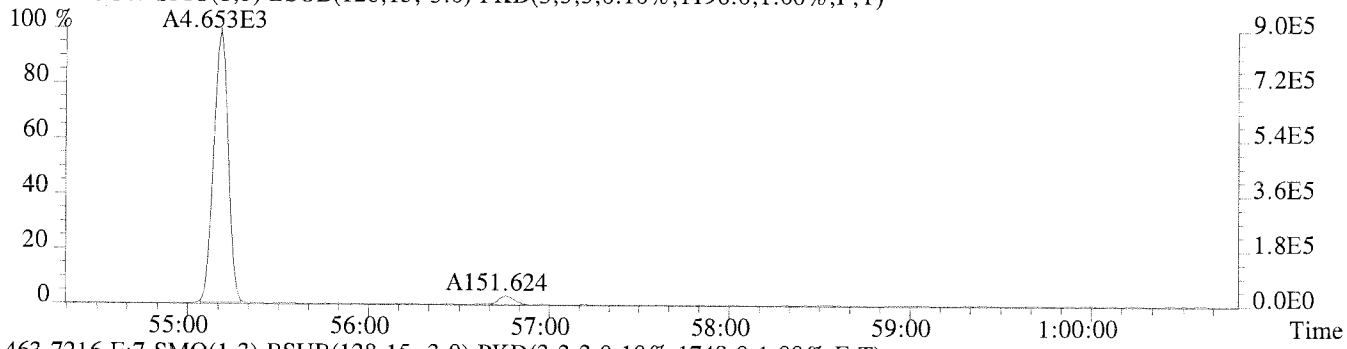


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

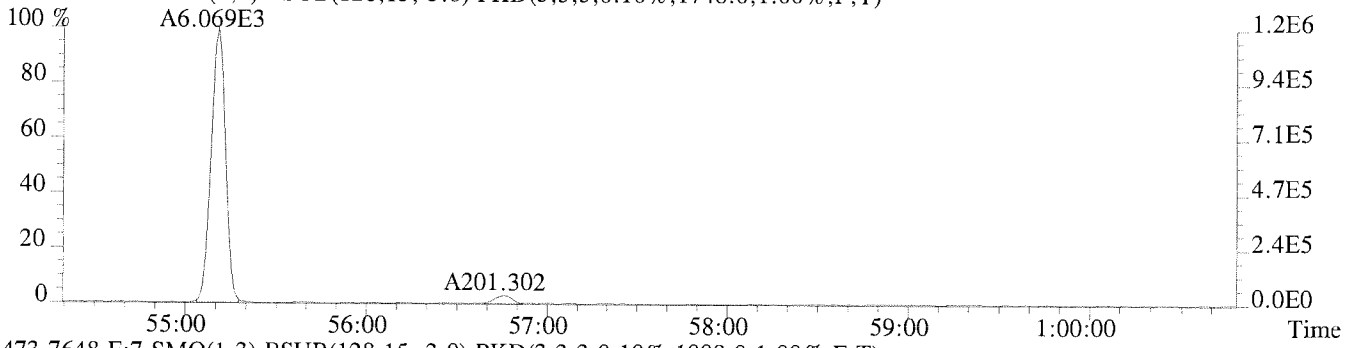


File:U139139 #1-366 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

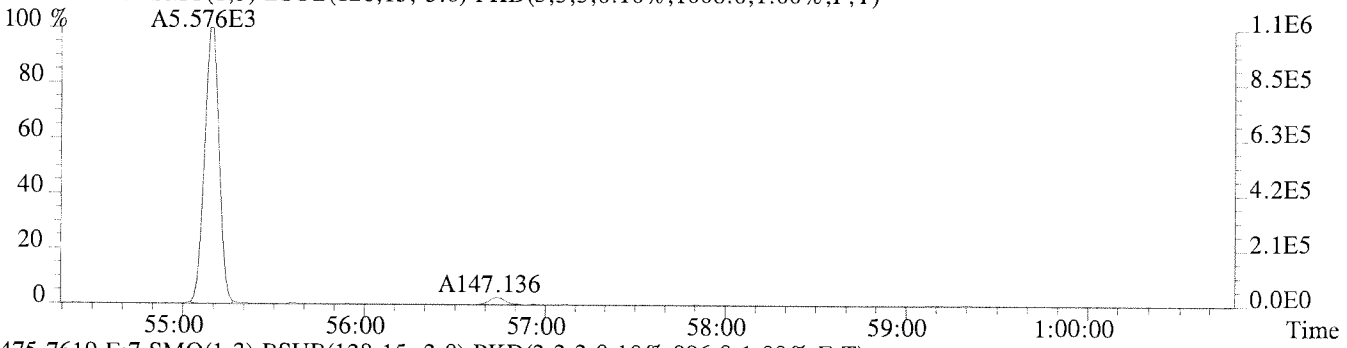
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1196.0,1.00%,F,T)



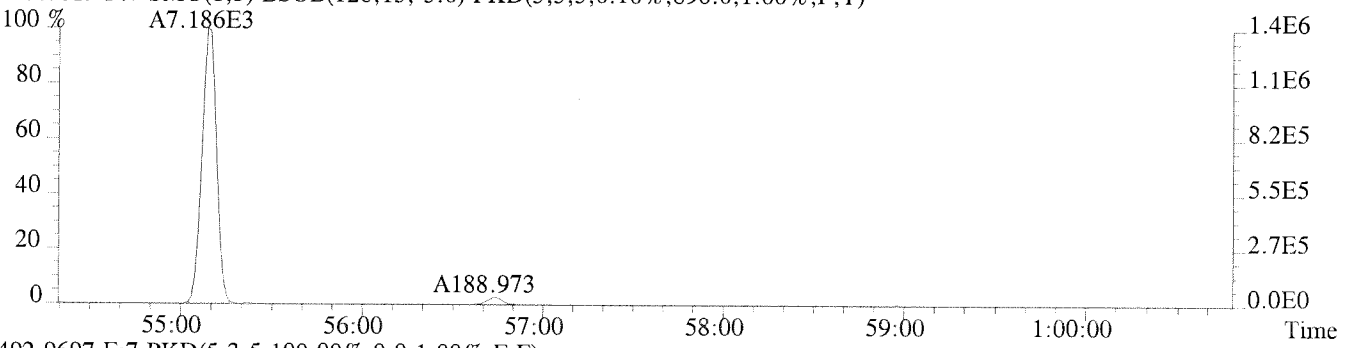
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1748.0,1.00%,F,T)



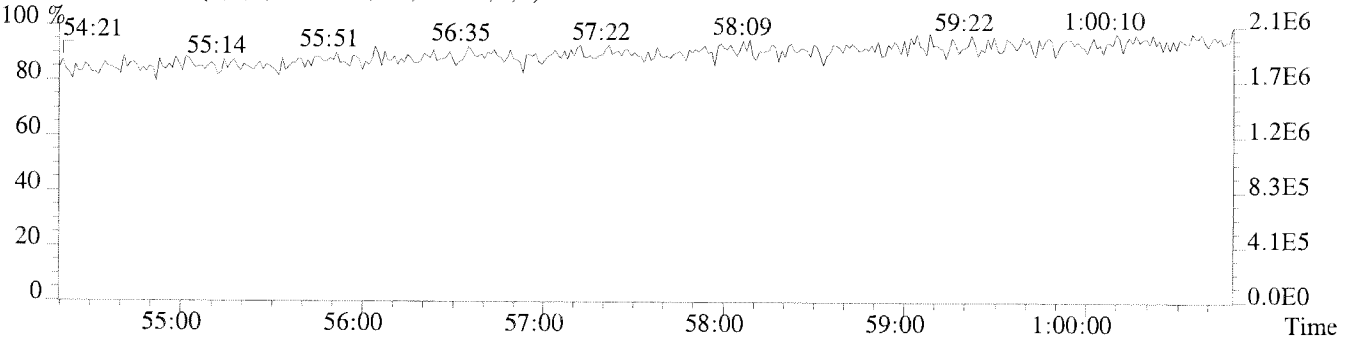
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1008.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)

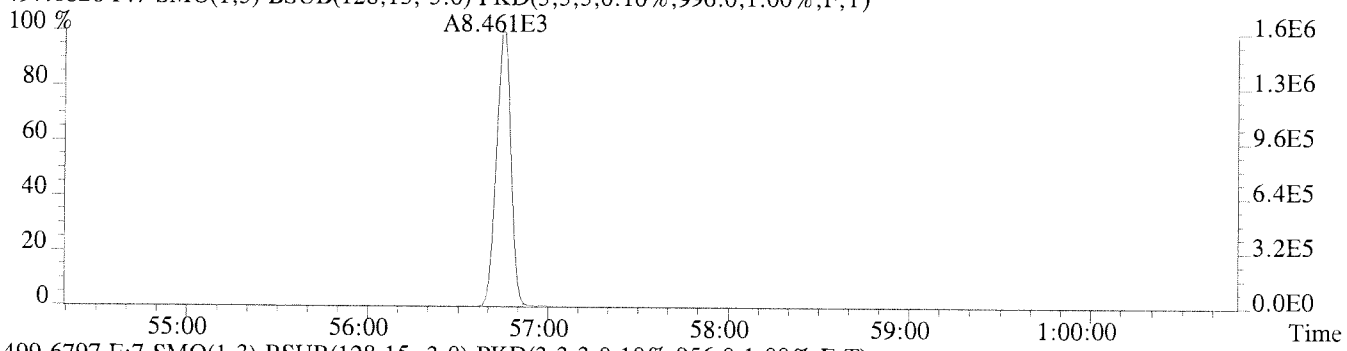


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

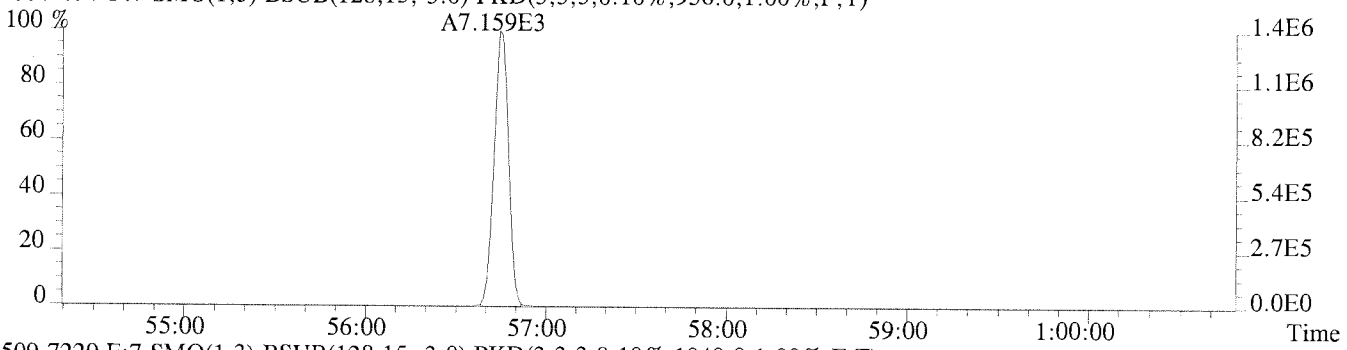


File:U139139 #1-366 Acq:23-FEB-2011 09:22:35 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:PCB 209 INJECTION

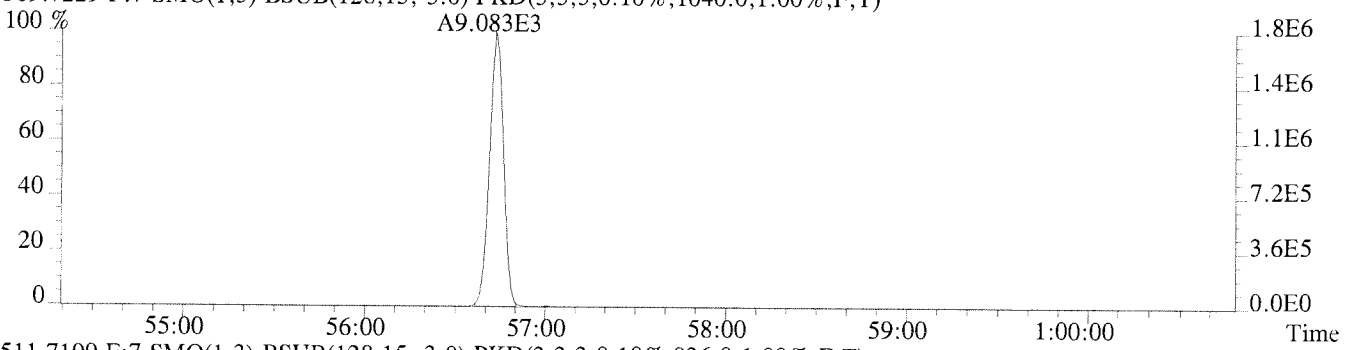
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)



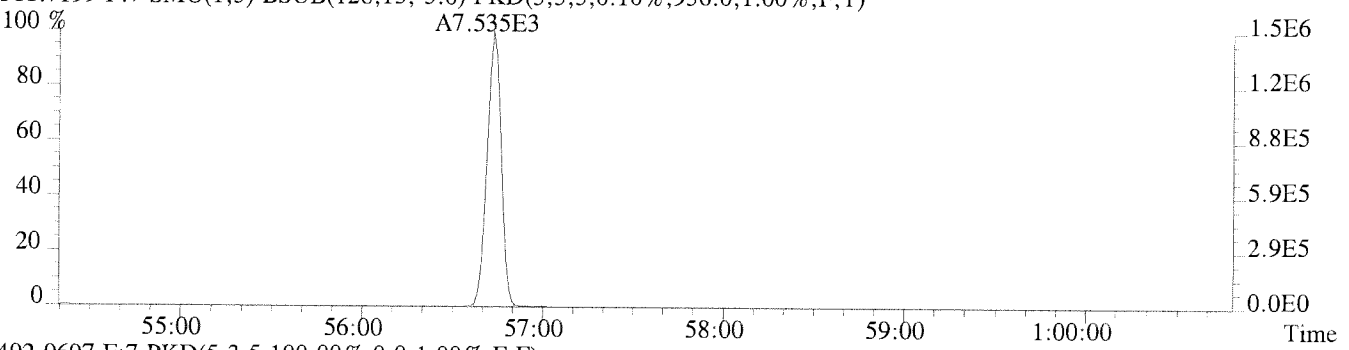
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,956.0,1.00%,F,T)



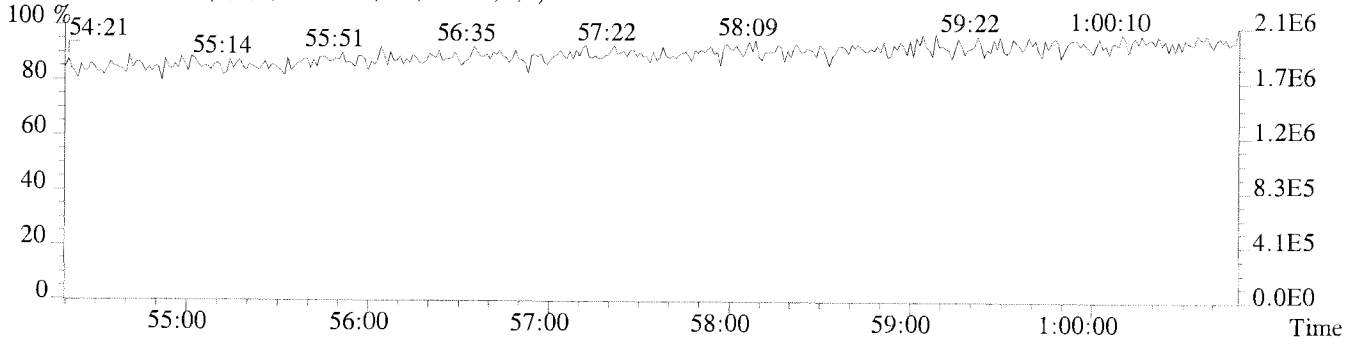
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,936.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



FORM 3A
PCB INITIAL CALIBRATION RELATIVE RESPONSES

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SDG No.:

Initial Calibration Date: 02/23/11

Instrument ID: AutoSpec-Ultima GC Column: SPB-Octyl

CS1 Data Filename: U139142 CS4 Data Filename: U139144

CS2 Data Filename: U139141 CS5 Data Filename: U139145

CS3 Data Filename: U139143 CS6 Data Filename: U139146

NATIVE ANALYTES	IUPAC	RELATIVE RESPONSE (RR) CS1	CS2	CS3	CS4	CS5	CS6	MEAN RR	Cv (RSD) (1)
2-MoCB	1	1.14	1.06	1.06	1.12	1.08	0.96	1.07	5.68
4-MoCB	3	1.01	1.08	1.07	1.06	1.07	0.93	1.04	5.46
22'-DiCB	4	1.20	1.13	1.12	1.10	1.13	1.01	1.11	5.51
44'-DiCB	15	0.90	0.95	0.99	1.04	1.03	0.95	0.98	5.64
22'6'-TrCB	19	1.00	0.98	1.03	1.00	1.02	0.97	1.00	2.11
344'-TrCB	37	1.12	1.03	1.10	1.09	1.13	1.06	1.09	3.46
22'66'-TeCB	54	1.07	0.96	1.05	0.99	1.01	0.93	1.00	5.48
344'5-TeCB	81	1.10	0.98	1.06	1.02	1.04	0.99	1.03	4.33
33'44'-TeCB	77	1.00	0.93	1.04	1.01	1.01	0.98	1.00	3.72
22'466'-PeCB	104	1.04	1.03	1.05	1.04	1.07	0.96	1.03	3.66
2'344'5-PeCB	123	1.08	1.02	1.04	1.00	1.04	0.94	1.02	4.71
23'44'5-PeCB	118	1.04	1.00	0.99	1.00	1.05	0.90	1.00	5.28
2344'5-PeCB	114	1.02	0.92	1.05	1.00	1.02	0.93	0.99	5.41
233'44'-PeCB	105	1.05	1.00	1.06	1.01	1.05	0.90	1.01	5.74
33'44'5-PeCB	126	0.98	0.92	1.05	0.91	1.00	0.90	0.96	6.36
22'44'66'-HxCB	155	0.98	0.99	1.03	0.98	1.01	0.94	0.99	3.14
23'44'55'-HxCB	167	1.05	1.03	1.04	0.98	1.01	0.94	1.01	4.28
233'44'5-HxCB	156	1.02	1.01	1.02	1.02	1.06	0.92	1.01	4.57
33'44'55'-HxCB	169	1.05	0.91	1.05	0.94	1.01	0.98	0.99	5.77
22'34'566'-HpCB	188	1.07	0.97	0.99	0.99	1.01	0.92	0.99	4.96
233'44'55'-HpCB	189	0.88	0.86	0.94	0.81	0.86	0.82	0.86	5.31
22'33'55'66'-OcCB	202	0.92	0.84	0.91	0.84	0.84	0.84	0.86	4.49
233'44'55'6-OcCB	205	0.94	0.89	0.92	0.85	0.90	0.83	0.89	4.84
22'33'4'55'66'-NoCB	208	0.89	0.83	0.94	0.88	0.88	0.87	0.88	4.06
22'33'44'55'6-NoCB	206	1.03	0.93	0.96	0.89	0.92	0.85	0.93	6.68
DeCB	209	0.93	0.90	0.94	0.85	0.89	0.84	0.89	4.71

(1) The %RSD for the 26 unlabeled standard must not exceed +/- 20%(PCB156/157 coeluted), see Section 10.4.4, Method 1668.

SP1668F3AU

FORM 3B
PCB INITIAL CALIBRATION RELATIVE RESPONSES

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SDG No.:

Initial Calibration Date: 02/23/11

Instrument ID: AutoSpec-Ultima GC Column: SPB-Octyl

CS1 Data Filename: U139142 CS4 Data Filename: U139144

CS2 Data Filename: U139141 CS5 Data Filename: U139145

CS3 Data Filename: U139143 CS6 Data Filename: U139146

	RELATIVE RESPONSE (RR)						MEAN RR	Cv (RSD) (1)
	CS1	CS2	CS3	CS4	CS5	CS6		
LABELED COMPOUNDS								
13C-2-MoCB	1.18	1.22	1.26	1.18	1.23	1.26	1.22	2.91
13C-4-MoCB	1.14	1.15	1.17	1.14	1.18	1.26	1.17	3.64
13C-22'-DiCB	0.78	0.80	0.81	0.81	0.82	0.80	0.80	1.70
13C-44'-DiCB	0.97	0.91	0.97	0.91	0.97	1.04	0.96	4.92
13C-22'6'-TrCB	0.62	0.61	0.63	0.66	0.67	0.62	0.64	3.84
13C-344'-TrCB	1.13	1.09	1.21	1.07	1.06	1.30	1.14	8.18
13C-22'66'-TeCB	1.07	1.14	1.16	1.15	1.17	1.16	1.14	3.11
13C-344'5-TeCB	0.91	0.89	0.99	0.87	0.92	1.11	0.95	9.33
13C-33'44'-TeCB	0.93	0.91	0.98	0.89	0.90	1.09	0.95	7.78
13C-22'466'-PeCB	1.34	1.43	1.41	1.39	1.40	1.40	1.40	2.11
13C-2'344'5-PeCB	0.99	0.99	1.07	0.95	1.02	1.16	1.03	7.28
13C-23'44'5-PeCB	1.01	1.02	1.14	0.98	1.06	1.25	1.08	9.36
13C-2344'5-PeCB	1.05	1.05	1.06	0.98	1.09	1.21	1.07	6.90
13C-233'44'-PeCB	0.99	0.99	1.03	0.91	0.97	1.18	1.01	9.13
13C-33'44'5-PeCB	0.86	0.86	0.92	0.86	0.86	1.03	0.90	7.57
13C-22'44'66'-HxCB	1.63	1.67	1.55	1.71	1.76	1.50	1.64	5.86
13C-23'44'55'-HxCB	0.88	0.85	0.83	0.91	0.93	0.90	0.88	4.21
13C-233'44'5'-HxCB	0.81	0.79	0.79	0.82	0.82	0.87	0.82	3.42
13C-33'44'55'-HxCB	0.75	0.72	0.65	0.76	0.70	0.71	0.72	5.69
13C-22'34'566'-HpCB	2.24	2.19	2.61	2.14	2.39	2.58	2.36	8.56
13C-233'44'55'-HpCB	1.28	1.24	1.30	1.27	1.29	1.46	1.31	6.12
13C-22'33'55'66'-OcCB	1.66	1.54	1.76	1.89	2.10	1.88	1.80	10.8
13C-233'44'55'6-OcCB	1.28	1.30	1.42	1.31	1.34	1.52	1.36	6.60
13C-22'33'4'55'66'-NoCB	1.29	1.31	1.37	1.27	1.40	1.38	1.34	4.14
13C-22'33'44'55'6-NoCB	0.95	0.94	0.99	0.97	1.00	1.15	1.00	7.54
13C-DeCB	1.49	1.46	1.54	1.59	1.63	1.67	1.56	5.35
CLEANUP STANDARDS								
13C-244'-TrCB	1.38	1.38	1.41	1.32	1.34	1.49	1.39	4.31
13C-233'55'-PeCB	1.23	1.26	1.24	1.20	1.24	1.26	1.24	1.71
13C-22'33'55'6-HpCB	0.98	1.01	0.87	0.99	1.02	0.85	0.95	7.96

(1) The %RSD for the 29 labeled reference compounds must be within the limits (PCB156/157 coeluted), see Section 10.5, Method 1668.

SP1668F3BU

FORM 3C
PCB INITIAL CALIBRATION ION ABUNDANCE RATIOS

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SDG No.:

Initial Calibration Date: 02/23/11

Instrument ID: Autospec Ultima GC Column: SPB-Octyl

CS1 Data Filename: U139142 CS4 Data Filename: U139144

CS2 Data Filename: U139141 CS5 Data Filename: U139145

CS3 Data Filename: U139143 CS6 Data Filename: U139146

NATIVE ANALYTES	IUPAC	M/Z'S FORMING RATIO(1)	ION ABUNDANCE RATIO CS1	CS2	CS3	CS4	CS5	CS6	QC LIMITS (2)
2-MoCB	1	M/M+2	2.92	3.01	3.11	3.11	3.14	3.14	2.66-3.60
4-MoCB	3		3.29	3.28	3.14	3.15	3.14	3.15	
22'-DiCB	4	M/M+2	1.35	1.44	1.55	1.56	1.54	1.55	1.33-1.79
44'-DiCB	15		1.55	1.58	1.61	1.58	1.57	1.58	
22'6'-TrCB	19	M/M+2	0.99	1.02	1.02	1.02	1.02	1.02	0.88-1.20
344'-TrCB	37		1.08	1.05	1.06	1.05	1.06	1.05	
22'66'-TeCB	54	M/M+2	0.82	0.75	0.77	0.77	0.77	0.77	0.65-0.89
344'5-TeCB	81		0.81	0.76	0.76	0.77	0.78	0.79	
33'44'-TeCB	77		0.72	0.76	0.75	0.77	0.77	0.79	
22'466'-PeCB	104	M+2/M+4	1.76	1.66	1.59	1.59	1.60	1.60	1.32-1.78
2'344'5-PeCB	123		1.50	1.61	1.54	1.61	1.56	1.57	
23'44'5-PeCB	118		1.78	1.55	1.60	1.66	1.58	1.57	
2344'5-PeCB	114		1.75	1.60	1.57	1.60	1.56	1.58	
233'44'-PeCB	105		1.78	1.60	1.55	1.60	1.58	1.57	
33'44'5-PeCB	126		1.65	1.67	1.64	1.63	1.56	1.58	
22'44'66'-HxCB	155	M+2/M+4	1.33	1.30	1.25	1.28	1.27	1.27	1.05-1.43
23'44'55'-HxCB	167		1.20	1.26	1.23	1.23	1.25	1.25	
233'44'5-HxCB	156		1.18	1.17	1.25	1.21	1.24	1.26	
33'44'55'-HxCB	169		1.22	1.17	1.27	1.23	1.24	1.25	
22'34'566'-HpCB	188	M+2/M+4	1.02	1.11	1.03	1.01	1.03	1.04	0.89-1.21
233'44'55'-HpCB	189		0.90	1.05	1.03	1.00	1.03	1.01	
22'33'55'66'-OcCB	202	M+2/M+4	0.81	0.92	0.89	0.87	0.88	0.89	0.76-1.02
233'44'55'6-OcCB	205		0.79	0.88	0.88	0.90	0.89	0.88	
22'33'4'55'66'-NoCB	208	M+2/M+4	0.70	0.74	0.79	0.77	0.78	0.78	0.65-0.89
22'33'44'55'6-NoCB	206		0.86	0.73	0.77	0.77	0.78	0.77	
DeCB	209	M+4/M+6	1.11	1.26	1.17	1.19	1.17	1.17	0.99-1.33

(1) See Table 7, Method 1668, for m/z specifications.

(2) Ion Abundance Ratio Control Limits from Table 8, Method 1668.

SP1668f3cu

FORM 3D
PCB INITIAL CALIBRATION ION ABUNDANCE RATIOS

Lab Name: Columbia Analytical Services Episode No.:

Contract No.: SDG No.:

Initial Calibration Date: 02/23/11

Instrument ID: Autospec Ultima GC Column: SPB-Octyl

CS1 Data Filename: U139142 CS4 Data Filename: U139144

CS2 Data Filename: U139141 CS5 Data Filename: U139145

CS3 Data Filename: U139143 CS6 Data Filename: U139146

LABELED COMPOUNDS	M/Z'S FORMING RATIO(1)	ION ABUNDANCE RATIO CS1	CS2	CS3	CS4	CS5	CS6	QC LIMITS (2)
13C-2-MoCB	M/M+2	3.05	3.19	3.07	3.34	3.13	3.13	2.66-3.60
13C-4-MoCB		3.08	3.17	3.16	2.96	3.17	3.07	
13C-22'-DiCB	M/M+2	1.59	1.59	1.59	1.55	1.63	1.54	1.33-1.79
13C-44'-DiCB		1.56	1.56	1.56	1.45	1.61	1.49	
13C-22'6'-TrCB	M/M+2	1.04	1.06	1.05	1.05	1.04	0.97	0.88-1.20
13C-344'-TrCB		1.06	1.06	1.07	1.15	1.02	1.12	
13C-22'66'-TeCB	M/M+2	0.80	0.79	0.80	0.81	0.80	0.86	0.65-0.89
13C-344'5-TeCB		0.79	0.78	0.79	0.77	0.76	0.82	
13C-33'44'-TeCB		0.79	0.79	0.80	0.72	0.73	0.81	
13C-22'466'-PeCB	M+2/M+4	1.57	1.55	1.55	1.59	1.55	1.57	1.32-1.78
13C-2'344'5-PeCB		1.53	1.59	1.58	1.70	1.59	1.48	
13C-23'44'5-PeCB		1.54	1.65	1.58	1.57	1.58	1.56	
13C-2344'5-PeCB		1.55	1.60	1.58	1.66	1.59	1.55	
13C-233'44'-PeCB		1.52	1.61	1.58	1.62	1.62	1.50	
13C-33'44'5-PeCB		1.54	1.59	1.57	1.67	1.60	1.62	
13C-22'44'66'-HxCB	M+2/M+4	1.26	1.27	1.25	1.27	1.27	1.26	1.05-1.43
13C-23'44'55'-HxCB		1.27	1.32	1.28	1.30	1.29	1.22	
13C-233'44'5'-HxCB		1.26	1.28	1.26	1.28	1.29	1.26	
13C-33'44'55'-HxCB		1.26	1.28	1.28	1.25	1.26	1.26	
13C-22'34'566'-HpCB	M+2/M+4	1.07	1.08	1.06	1.06	1.05	1.07	0.89-1.21
13C-233'44'55'-HpCB		1.03	1.05	1.04	1.02	1.06	1.08	
13C-22'33'55'66'-OcCB	M+2/M+4	0.90	0.90	0.91	0.87	0.88	0.93	0.76-1.02
13C-233'44'55'6-OcCB		0.91	0.90	0.88	0.92	0.91	0.90	
13C-22'33'4'55'66'-NoCB	M+2/M+4	0.79	0.80	0.80	0.79	0.79	0.80	0.65-0.89
13C-22'33'44'55'6-NoCB		0.80	0.80	0.77	0.78	0.80	0.83	
13C-DeCB	M+4/M+6	1.18	1.18	1.17	1.15	1.20	1.22	0.99-1.33
13C-244'-TrCB		1.05	1.04	1.06	1.04	1.07	0.95	
13C-233'55'-PeCB		1.57	1.58	1.56	1.57	1.56	1.58	
13C-22'33'55'6-HpCB		1.07	1.10	1.07	1.02	1.07	1.13	

(1) See Table 7, Method 1668, for m/z specifications.

(2) Ion Abundance Ratio Control Limits from Table 8, Method 1668.

SP1668F3DU

Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
ICAL CS1

Run #1 Filename U139142 #1 Samp: 1 Inj: 1 Acquired: 23-FEB-11 13:25:54
Processed: 24-FEB-11 17:57:04 LAB. ID: ICAL CS1

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRT
1	1	2-MoCB	13:03	6.081e+02	2.081e+02	2.92	yes	no	1.001
2	3	4-MoCB	15:14	5.386e+02	1.639e+02	3.29	yes	yes	1.001
3	4	22'-DiCB	15:27	3.282e+02	2.423e+02	1.35	yes	yes	1.001
4	15	44'-DiCB	21:23	3.217e+02	2.072e+02	1.55	yes	yes	1.002
5	19	22'6'-TrCB	18:33	1.886e+02	1.905e+02	0.99	yes	yes	1.001
6	37	344'-TrCB	28:23	2.972e+02	2.750e+02	1.08	yes	yes	1.001
7	54	22'66'-TeCB	21:38	2.334e+02	2.862e+02	0.82	yes	yes	1.002
8	81	344'5-TeCB	35:05	2.029e+02	2.509e+02	0.81	yes	yes	1.000
9	77	33'44'-TeCB	35:40	1.756e+02	2.443e+02	0.72	yes	yes	1.000
10	104	22'466'-PeCB	27:04	3.241e+02	1.841e+02	1.76	yes	no	1.001
11	123	2'344'5-PeCB	37:36	2.319e+02	1.545e+02	1.50	yes	yes	1.000
12	118	23'44'5-PeCB	37:56	2.454e+02	1.382e+02	1.78	yes	yes	1.001
13	114	2344'5-PeCB	38:28	2.490e+02	1.423e+02	1.75	yes	yes	1.000
14	105	233'44'-PeCB	39:08	2.435e+02	1.366e+02	1.78	yes	yes	1.000
15	126	33'44'5-PeCB	42:13	1.919e+02	1.163e+02	1.65	yes	yes	1.000
16	155	22'44'66'-HxCB	32:42	2.773e+02	2.086e+02	1.33	yes	no	1.001
17	167	23'44'55'-HxCB	44:02	1.529e+02	1.276e+02	1.20	yes	no	1.001
18	156/7	233'44'5-HxCB	45:11	2.721e+02	2.301e+02	1.18	yes	no	1.000
19	169	33'44'55'-HxCB	48:27	1.317e+02	1.077e+02	1.22	yes	no	1.001
20	188	22'34'566'-HpCB	38:24	2.382e+02	2.347e+02	1.02	yes	no	1.000
21	189	233'44'55'-HpCB	50:55	1.065e+02	1.187e+02	0.90	yes	no	1.000
22	202	22'33'55'66'-OcCB	43:47	1.347e+02	1.673e+02	0.81	yes	no	1.001
23	205	233'44'55'6-OcCB	53:27	1.056e+02	1.329e+02	0.79	yes	no	1.000
24	208	22'33'4'55'66'-NoCB	50:25	9.333e+01	1.331e+02	0.70	yes	no	1.000
25	206	22'33'44'55'6-NoCB	55:11	8.954e+01	1.039e+02	0.86	yes	yes	1.000
26	209	DeCB	56:46	1.448e+02	1.300e+02	1.11	yes	no	1.001
27	1L	13C-2-MoCB	13:02	5.399e+04	1.772e+04	3.05	yes	no	0.749
28	3L	13C-4-MoCB	15:13	5.262e+04	1.707e+04	3.08	yes	no	0.875
29	4L	13C-22'-DiCB	15:26	2.927e+04	1.838e+04	1.59	yes	no	0.887
30	15L	13C-44'-DiCB	21:21	3.596e+04	2.303e+04	1.56	yes	no	1.227
31	19L	13C-22'6'-TrCB	18:32	1.922e+04	1.854e+04	1.04	yes	no	1.065
32	37L	13C-344'-TrCB	28:21	2.620e+04	2.482e+04	1.06	yes	no	1.085
33	54L	13C-22'66'-TeCB	21:36	2.143e+04	2.695e+04	0.80	yes	no	0.827
34	81L	13C-344'5-TeCB	35:04	1.814e+04	2.308e+04	0.79	yes	no	1.342
35	77L	13C-33'44'-TeCB	35:39	1.842e+04	2.342e+04	0.79	yes	no	1.364
36	104L	13C-22'466'-PeCB	27:03	2.997e+04	1.904e+04	1.57	yes	no	0.821
37	123L	13C-2'344'5-PeCB	37:35	2.175e+04	1.418e+04	1.53	yes	no	1.141
38	118L	13C-23'44'5-PeCB	37:54	2.241e+04	1.458e+04	1.54	yes	no	1.150
39	114L	13C-2344'5-PeCB	38:27	2.322e+04	1.502e+04	1.55	yes	no	1.167
40	105L	13C-233'44'-PeCB	39:07	2.184e+04	1.436e+04	1.52	yes	no	1.187
41	126L	13C-33'44'5-PeCB	42:12	1.901e+04	1.235e+04	1.54	yes	no	1.281
42	155L	13C-22'44'66'-HxCB	32:41	2.763e+04	2.201e+04	1.26	yes	no	0.797
43	167L	13C-23'44'55'-HxCB	44:00	1.489e+04	1.174e+04	1.27	yes	no	1.073
44	156/7	13C-233'44'5'-HxCB	45:11	2.753e+04	2.187e+04	1.26	yes	no	1.102
45	169L	13C-33'44'55'-HxCB	48:25	1.271e+04	1.012e+04	1.26	yes	no	1.181
46	188L	13C-22'34'566'-HpCB	38:23	2.289e+04	2.147e+04	1.07	yes	no	0.725
47	189L	13C-233'44'55'-HpCB	50:54	1.293e+04	1.252e+04	1.03	yes	no	0.961
48	202L	13C-22'33'55'66'-OcCB	43:45	1.564e+04	1.729e+04	0.90	yes	no	0.826
49	205L	13C-233'44'55'6-OcCB	53:27	1.210e+04	1.333e+04	0.91	yes	no	1.009
50	208L	13C-22'33'4'55'66'-NoCB	50:24	1.132e+04	1.425e+04	0.79	yes	no	0.952
51	206L	13C-22'33'44'55'6-NoCB	55:10	8.367e+03	1.045e+04	0.80	yes	no	1.042
52	209L	13C-DeCB	56:44	1.595e+04	1.349e+04	1.18	yes	no	1.071

53	28L	13C-244'-TrCB	24:19	3.206e+04	3.044e+04	1.05	yes	no	0.930
54	111L	13C-233'55'-PeCB	35:37	2.748e+04	1.754e+04	1.57	yes	no	1.081
55	178L	13C-22'33'55'6-HpCB	41:26	1.542e+04	1.437e+04	1.07	yes	no	1.011
56	9L	13C-2,5-DiCB	17:24	3.720e+04	2.371e+04	1.57	yes	no	*
57	52L	13C-22'55'-TeCB	26:08	1.976e+04	2.544e+04	0.78	yes	no	*
58	101L	13C-22'4'55'-PeCB	32:57	2.223e+04	1.422e+04	1.56	yes	no	*
59	138L	13C-22'3'44'5'-HxCB	41:00	1.687e+04	1.355e+04	1.25	yes	no	*
60	194L	13C-22'33'44'55'-OcCB	52:57	9.395e+03	1.043e+04	0.90	yes	no	*

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
ICAL CS1

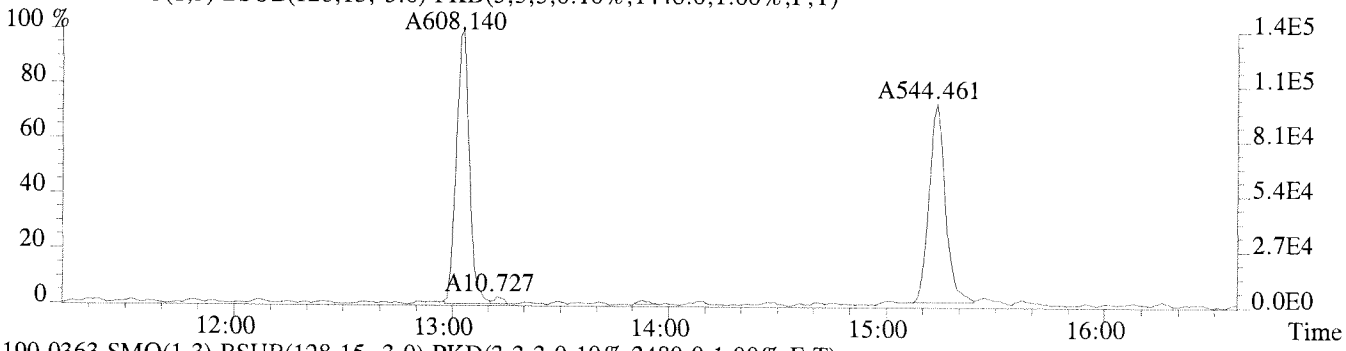
Run #1 Filename U139142 Samp: 1 Inj: 1 Acquired: 23-FEB-11 13:25:54
Processed: 24-FEB-11 17:57:041 LAB. ID: ICAL CS1

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2-MoCB	1.35e+05	1.45e+03	9.3e+01	4.47e+04	2.48e+03	1.8e+01
2	4-MoCB	9.78e+04	1.45e+03	6.8e+01	3.17e+04	2.48e+03	1.3e+01
3	22'-DiCB	6.38e+04	3.40e+03	1.9e+01	4.13e+04	7.20e+03	5.7e+00
4	44'-DiCB	4.68e+04	3.00e+03	1.6e+01	3.00e+04	7.80e+03	3.8e+00
5	22'6'-TrCB	3.66e+04	1.39e+03	2.6e+01	3.36e+04	1.07e+03	3.1e+01
[illegible]	344'-TrCB	3.35e+04	1.18e+03	2.8e+01	3.33e+04	1.71e+03	1.9e+01
[illegible]	22'66'-TeCB	3.88e+04	7.00e+02	5.5e+01	4.72e+04	8.36e+02	5.6e+01
[illegible]	344'5-TeCB	3.11e+04	9.00e+02	3.5e+01	3.38e+04	1.04e+03	3.3e+01
[illegible]	33'44'-TeCB	2.55e+04	9.00e+02	2.8e+01	3.36e+04	1.04e+03	3.2e+01
10	22'466'-PeCB	5.61e+04	9.72e+02	5.8e+01	3.47e+04	9.48e+02	3.7e+01
11	2'344'5-PeCB	3.59e+04	1.60e+03	2.2e+01	2.52e+04	1.40e+03	1.8e+01
12	23'44'5-PeCB	3.89e+04	1.60e+03	2.4e+01	2.22e+04	1.40e+03	1.6e+01
13	2344'5-PeCB	4.08e+04	1.60e+03	2.5e+01	2.42e+04	1.40e+03	1.7e+01
14	233'44'-PeCB	4.25e+04	1.60e+03	2.7e+01	2.30e+04	1.40e+03	1.6e+01
15	33'44'5-PeCB	3.14e+04	1.60e+03	2.0e+01	1.77e+04	1.40e+03	1.3e+01
16	22'44'66'-HxCB	5.10e+04	7.96e+02	6.4e+01	3.85e+04	1.00e+03	3.8e+01
17	23'44'55'-HxCB	3.10e+04	6.96e+02	4.5e+01	2.94e+04	5.56e+02	5.3e+01
18	233'44'5-HxCB	3.59e+04	6.96e+02	5.2e+01	3.51e+04	5.56e+02	6.3e+01
19	33'44'55'-HxCB	2.51e+04	6.96e+02	3.6e+01	2.37e+04	5.56e+02	4.3e+01
20	22'34'566'-HpCB	4.31e+04	8.60e+02	5.0e+01	4.42e+04	8.20e+02	5.4e+01
21	233'44'55'-HpCB	2.23e+04	7.28e+02	3.1e+01	2.51e+04	7.96e+02	3.2e+01
22	22'33'55'66'-OcCB	2.98e+04	7.72e+02	3.9e+01	3.63e+04	7.24e+02	5.0e+01
23	233'44'55'6-OcCB	2.20e+04	7.72e+02	2.8e+01	2.62e+04	7.24e+02	3.6e+01
[illegible]	22'33'4'55'66'-NoCB	2.08e+04	6.12e+02	3.4e+01	2.66e+04	5.20e+02	5.1e+01
[illegible]	22'33'44'55'6-NoCB	1.65e+04	8.88e+02	1.9e+01	2.07e+04	9.60e+02	2.2e+01
[illegible]	DeCB	2.87e+04	6.32e+02	4.5e+01	2.45e+04	5.84e+02	4.2e+01
[illegible]	13C-2-MoCB	1.28e+07	1.45e+03	8.8e+03	4.13e+06	2.96e+04	1.4e+02
28	13C-4-MoCB	9.29e+06	1.45e+03	6.4e+03	2.99e+06	2.96e+04	1.0e+02
29	13C-22'-DiCB	5.77e+06	4.08e+03	1.4e+03	3.61e+06	1.98e+03	1.8e+03
[illegible]	13C-44'-DiCB	5.33e+06	4.45e+03	1.2e+03	3.41e+06	2.19e+03	1.6e+03
[illegible]	13C-22'6'-TrCB	3.68e+06	2.10e+04	1.8e+02	3.56e+06	9.58e+03	3.7e+02
32	13C-344'-TrCB	3.55e+06	1.90e+04	1.9e+02	3.39e+06	9.22e+03	3.7e+02
33	13C-22'66'-TeCB	3.78e+06	1.63e+03	2.3e+03	4.77e+06	8.76e+02	5.4e+03
34	13C-344'5-TeCB	2.74e+06	1.67e+03	1.6e+03	3.49e+06	1.53e+03	2.3e+03
35	13C-33'44'-TeCB	2.66e+06	1.67e+03	1.6e+03	3.41e+06	1.53e+03	2.2e+03
36	13C-22'466'-PeCB	5.01e+06	1.33e+03	3.8e+03	3.17e+06	8.88e+02	3.6e+03
37	13C-2'344'5-PeCB	3.74e+06	2.39e+04	1.6e+02	2.42e+06	4.28e+03	5.6e+02
38	13C-23'44'5-PeCB	3.80e+06	2.39e+04	1.6e+02	2.42e+06	4.28e+03	5.6e+02
39	13C-2344'5-PeCB	3.89e+06	2.39e+04	1.6e+02	2.51e+06	4.28e+03	5.9e+02
40	13C-233'44'-PeCB	3.74e+06	2.39e+04	1.6e+02	2.47e+06	4.28e+03	5.8e+02
41	13C-33'44'5-PeCB	3.00e+06	2.39e+04	1.3e+02	1.90e+06	4.28e+03	4.4e+02
[illegible]	13C-22'44'66'-HxCB	4.93e+06	6.56e+02	7.5e+03	3.93e+06	6.08e+02	6.5e+03
[illegible]	13C-23'44'55'-HxCB	3.20e+06	9.64e+02	3.3e+03	2.52e+06	1.45e+03	1.7e+03
[illegible]	13C-233'44'5'-HxCB	4.01e+06	9.64e+02	4.2e+03	3.20e+06	1.45e+03	2.2e+03
[illegible]	13C-33'44'55'-HxCB	2.56e+06	9.64e+02	2.7e+03	2.04e+06	1.45e+03	1.4e+03
[illegible]	13C-22'34'566'-HpCB	4.12e+06	7.24e+02	5.7e+03	3.86e+06	1.15e+03	3.4e+03
[illegible]	13C-233'44'55'-HpCB	2.74e+06	1.10e+03	2.5e+03	2.64e+06	6.96e+02	3.8e+03
[illegible]	13C-22'33'55'66'-OcCB	3.44e+06	9.16e+02	3.8e+03	3.82e+06	9.04e+02	4.2e+03
[illegible]	13C-233'44'55'6-OcCB	2.56e+06	9.16e+02	2.8e+03	2.87e+06	9.04e+02	3.2e+03
[illegible]	13C-22'33'4'55'66'-NoCB	2.39e+06	7.96e+02	3.0e+03	3.04e+06	6.92e+02	4.4e+03
51	13C-22'33'44'55'6-NoCB	1.61e+06	8.56e+02	1.9e+03	2.03e+06	1.05e+03	1.9e+03
52	13C-DeCB	3.09e+06	6.56e+02	4.7e+03	2.61e+06	4.36e+02	6.0e+03

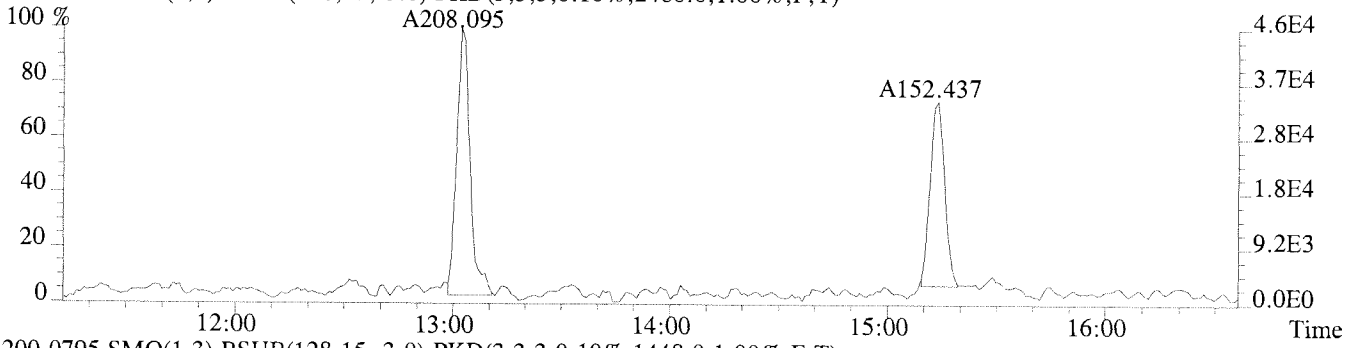
13C-244'-TrCB	4.75e+06	1.90e+04	2.5e+02	4.51e+06	9.22e+03	4.9e+02
13C-233'55'-PeCB	4.75e+06	2.98e+03	1.6e+03	3.03e+06	2.80e+03	1.1e+03
13C-22'33'55'6-HpCB	2.75e+06	7.24e+02	3.8e+03	2.57e+06	1.15e+03	2.2e+03
13C-2,5-DiCB	7.28e+06	4.45e+03	1.6e+03	4.65e+06	2.19e+03	2.1e+03
13C-22'55'-TeCB	3.19e+06	2.20e+03	1.4e+03	4.11e+06	1.34e+03	3.1e+03
13C-22'4'55'-PeCB	3.91e+06	2.98e+03	1.3e+03	2.49e+06	2.80e+03	8.9e+02
13C-22'3'44'5'-HxCB	2.98e+06	1.10e+03	2.7e+03	2.42e+06	1.17e+03	2.1e+03
13C-22'33'44'55'-OcCB	2.01e+06	9.16e+02	2.2e+03	2.23e+06	9.04e+02	2.5e+03

File:U139142 #1-347 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

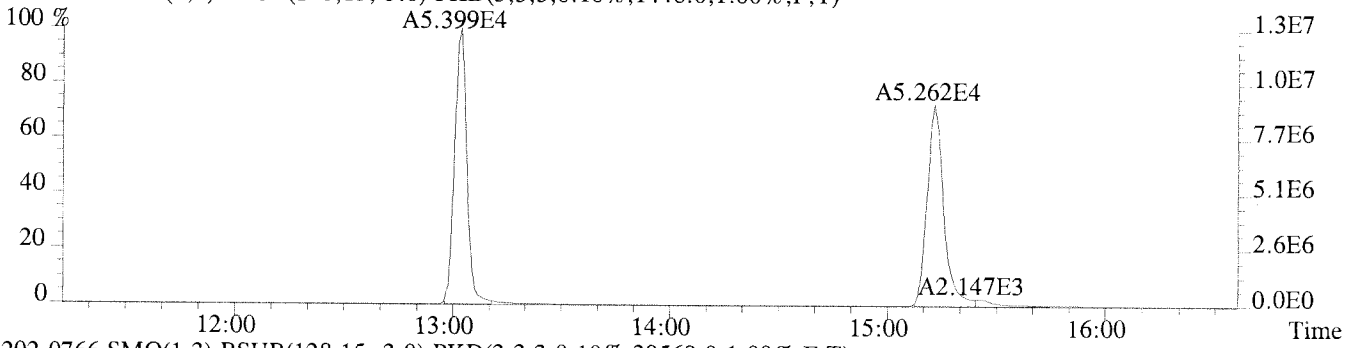
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1448.0,1.00%,F,T)



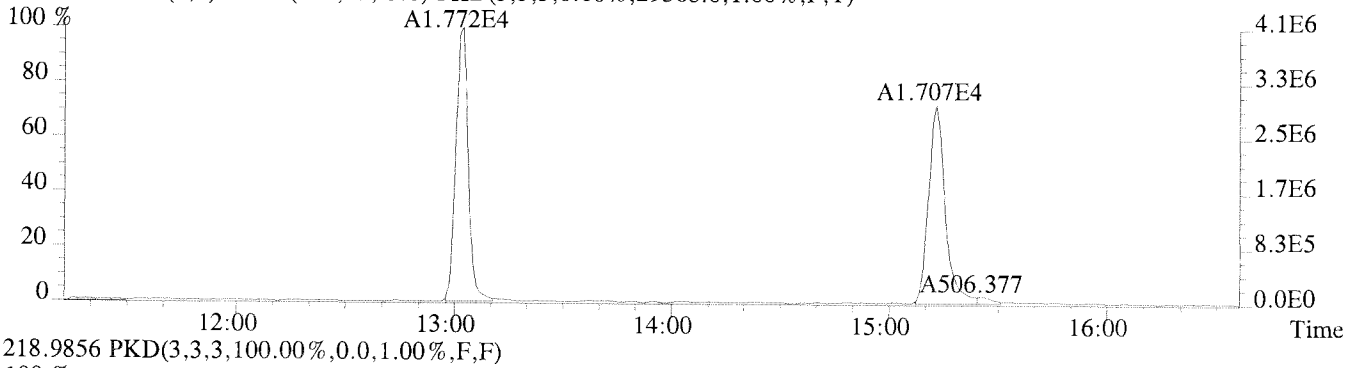
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2480.0,1.00%,F,T)



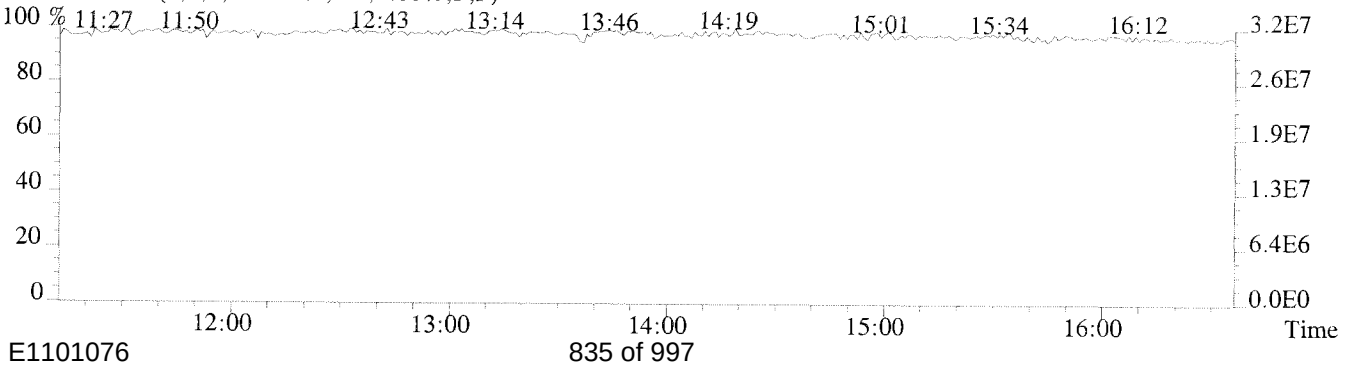
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1448.0,1.00%,F,T)



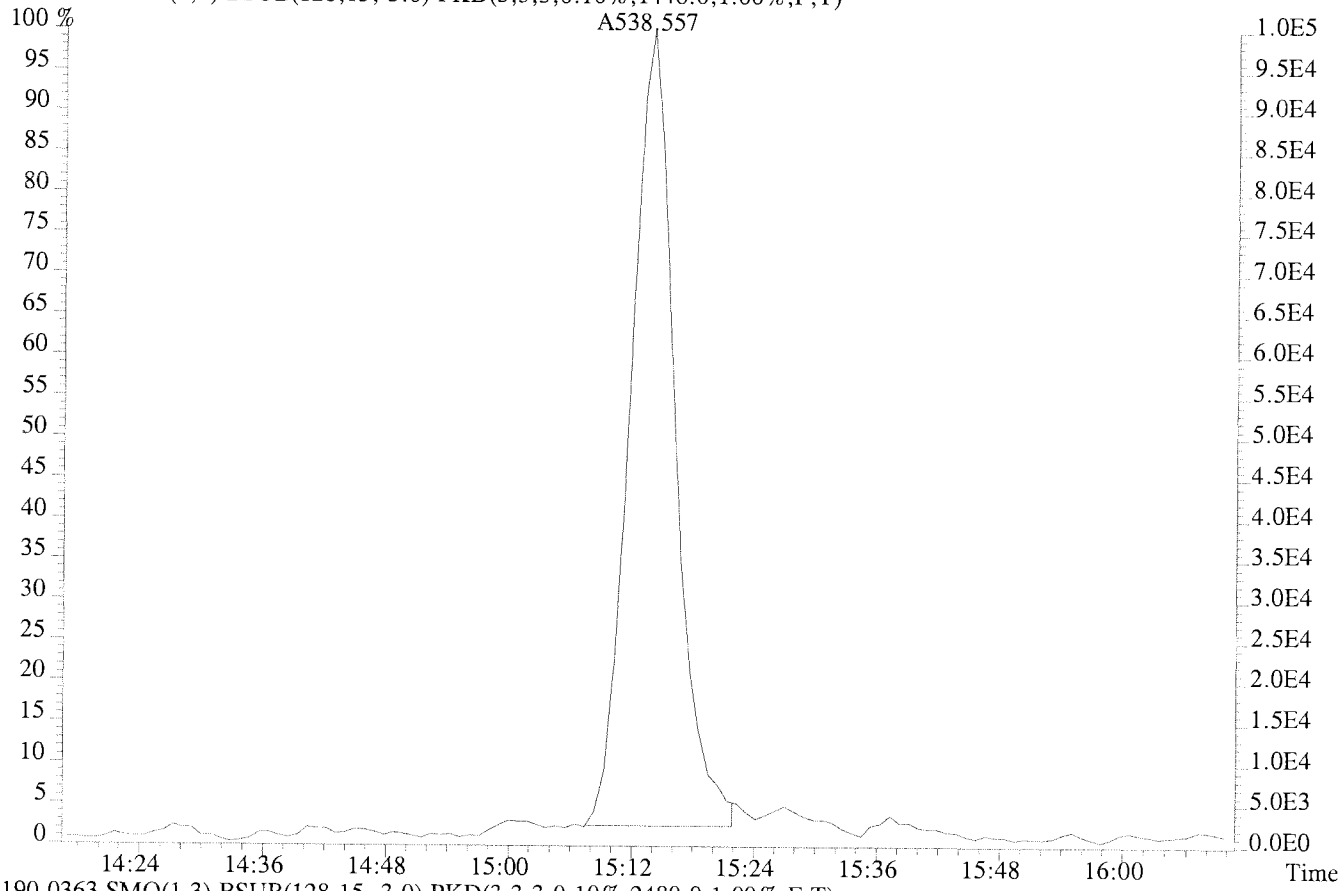
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,29568.0,1.00%,F,T)



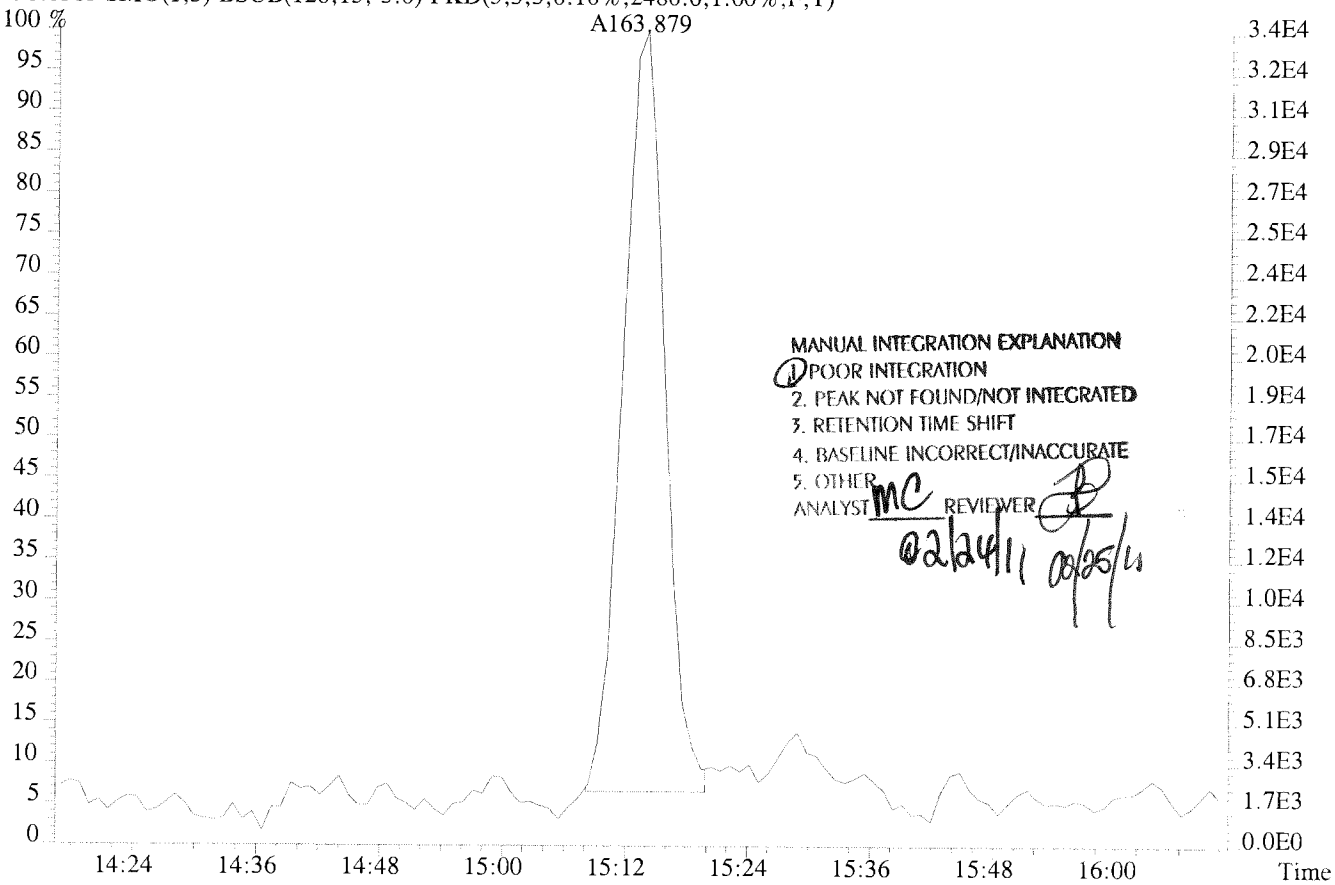
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139142 #1-347 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1448.0,1.00%,F,T)



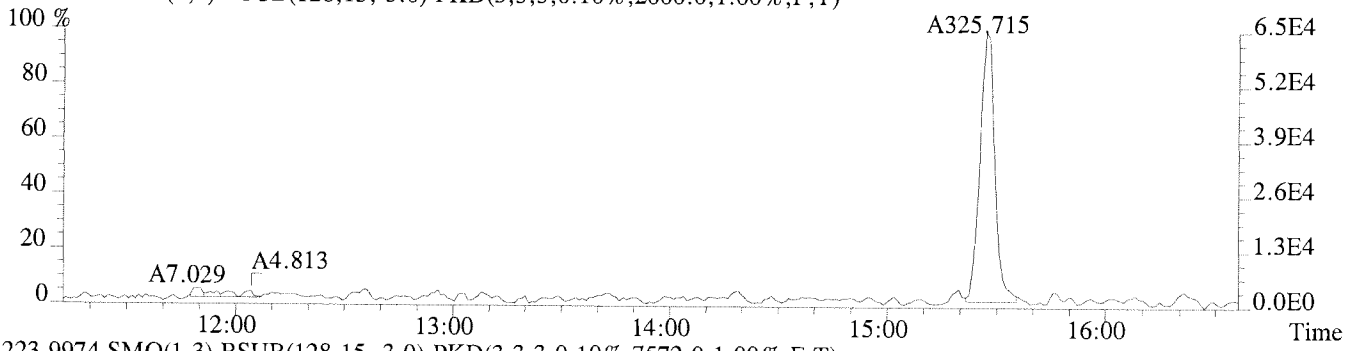
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2480.0,1.00%,F,T)



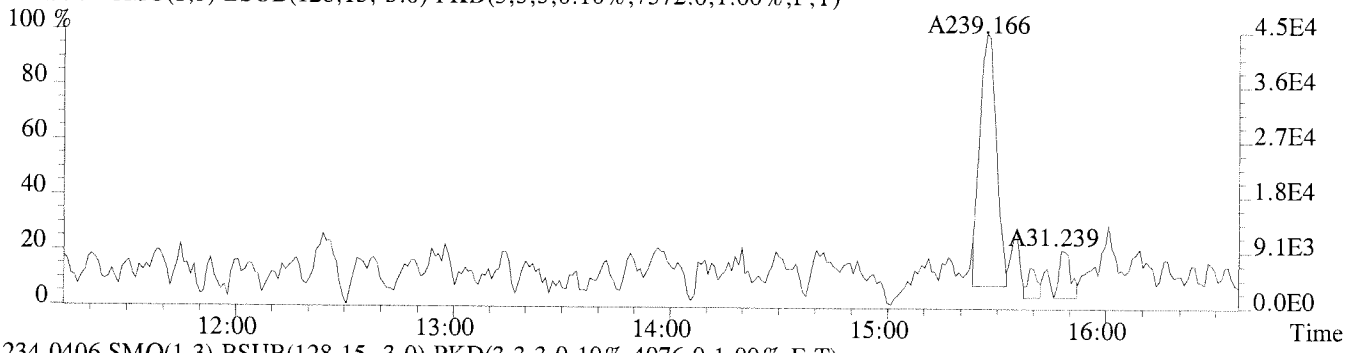
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/24/11 02/25/11

File:U139142 #1-347 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

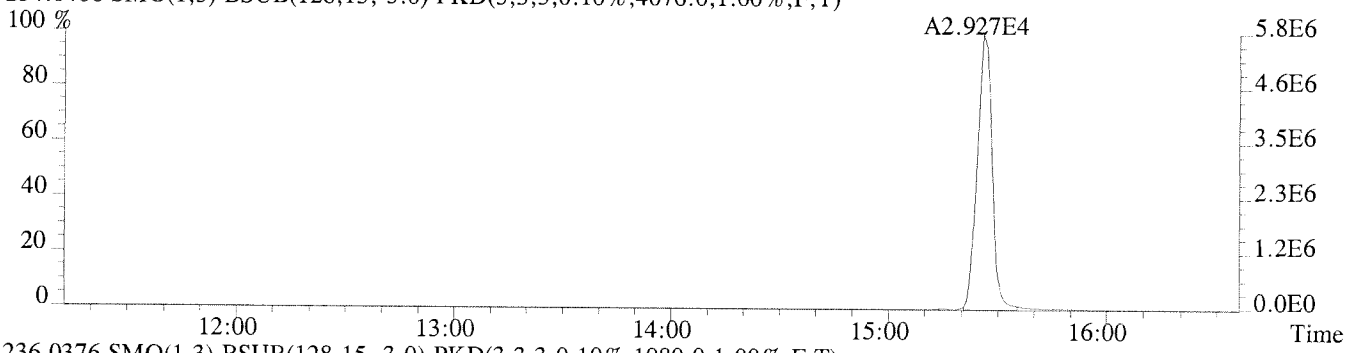
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2000.0,1.00%,F,T)



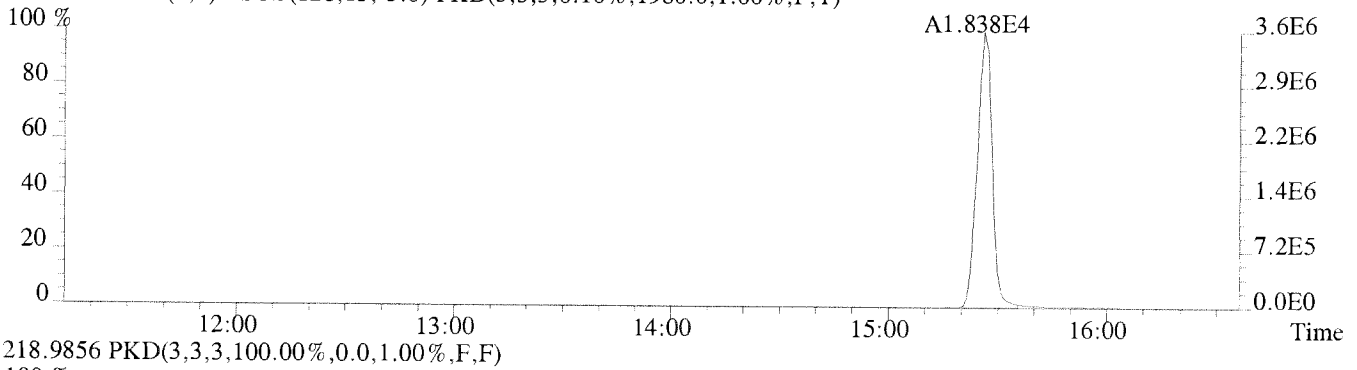
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7572.0,1.00%,F,T)



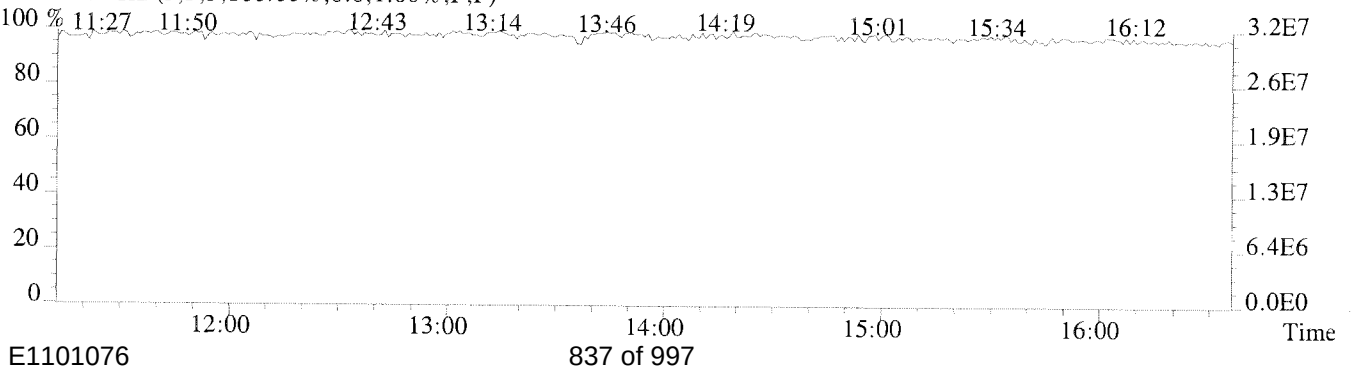
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4076.0,1.00%,F,T)



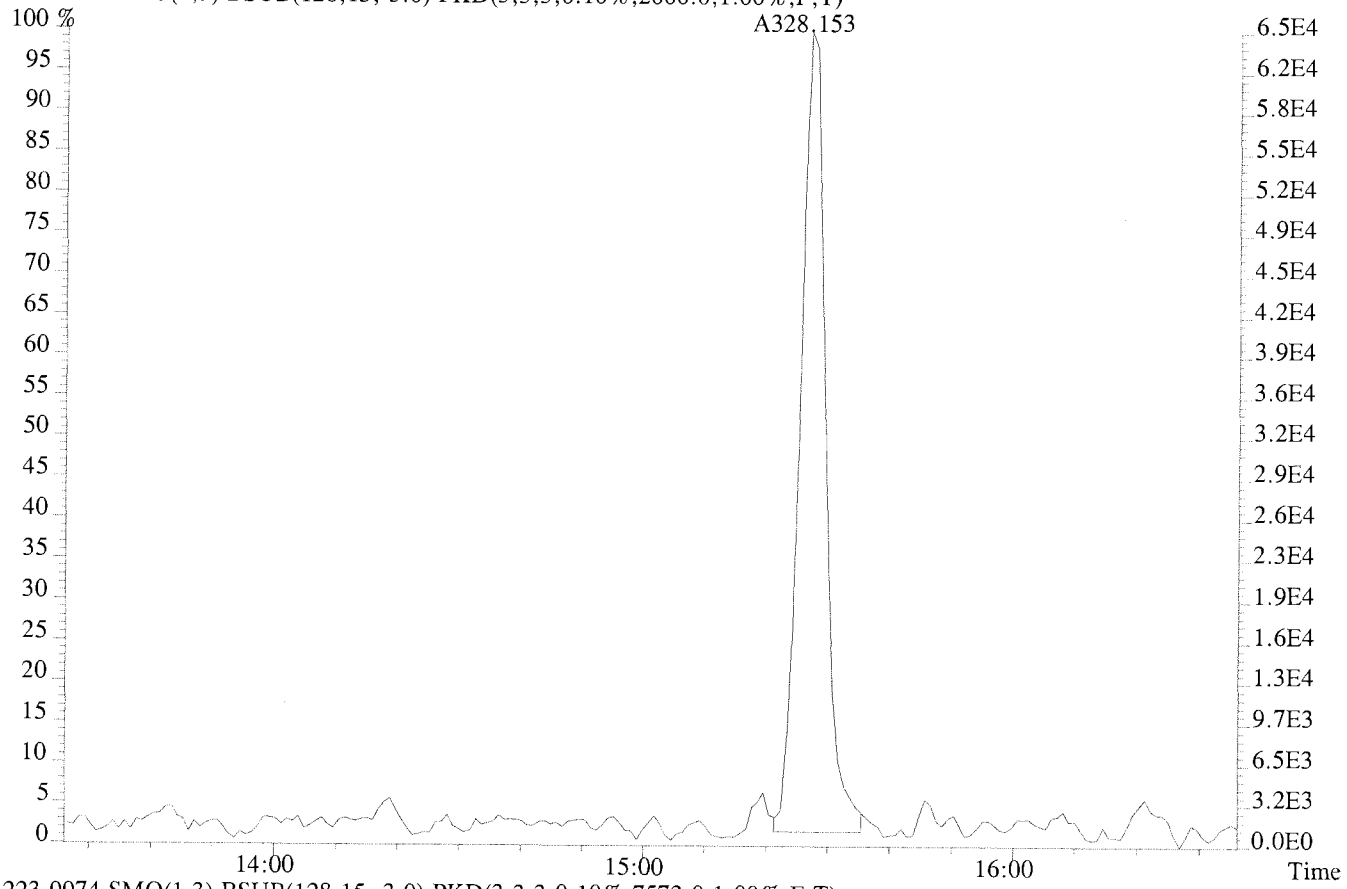
236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1980.0,1.00%,F,T)



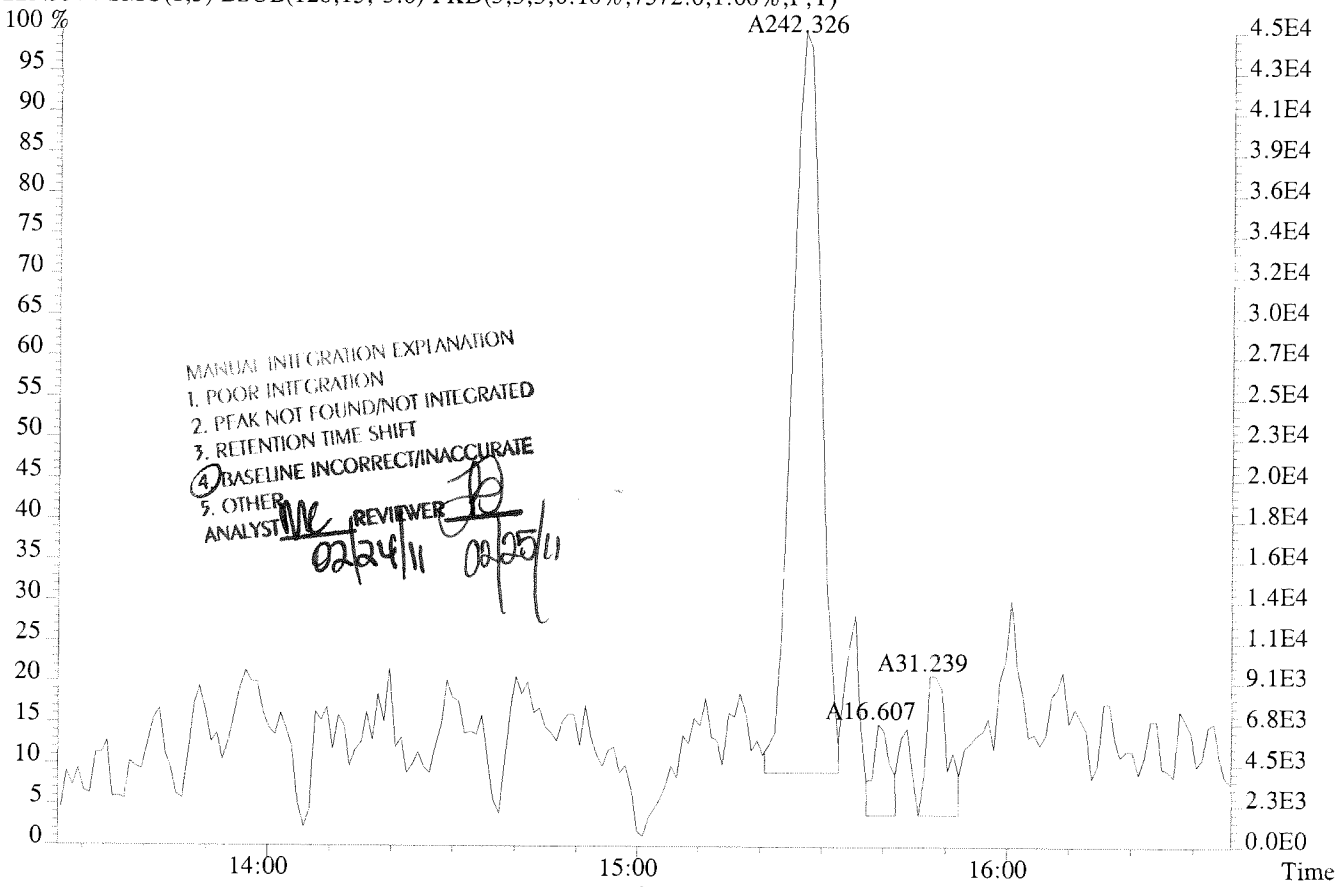
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139142 #1-347 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2000.0,1.00%,F,T)

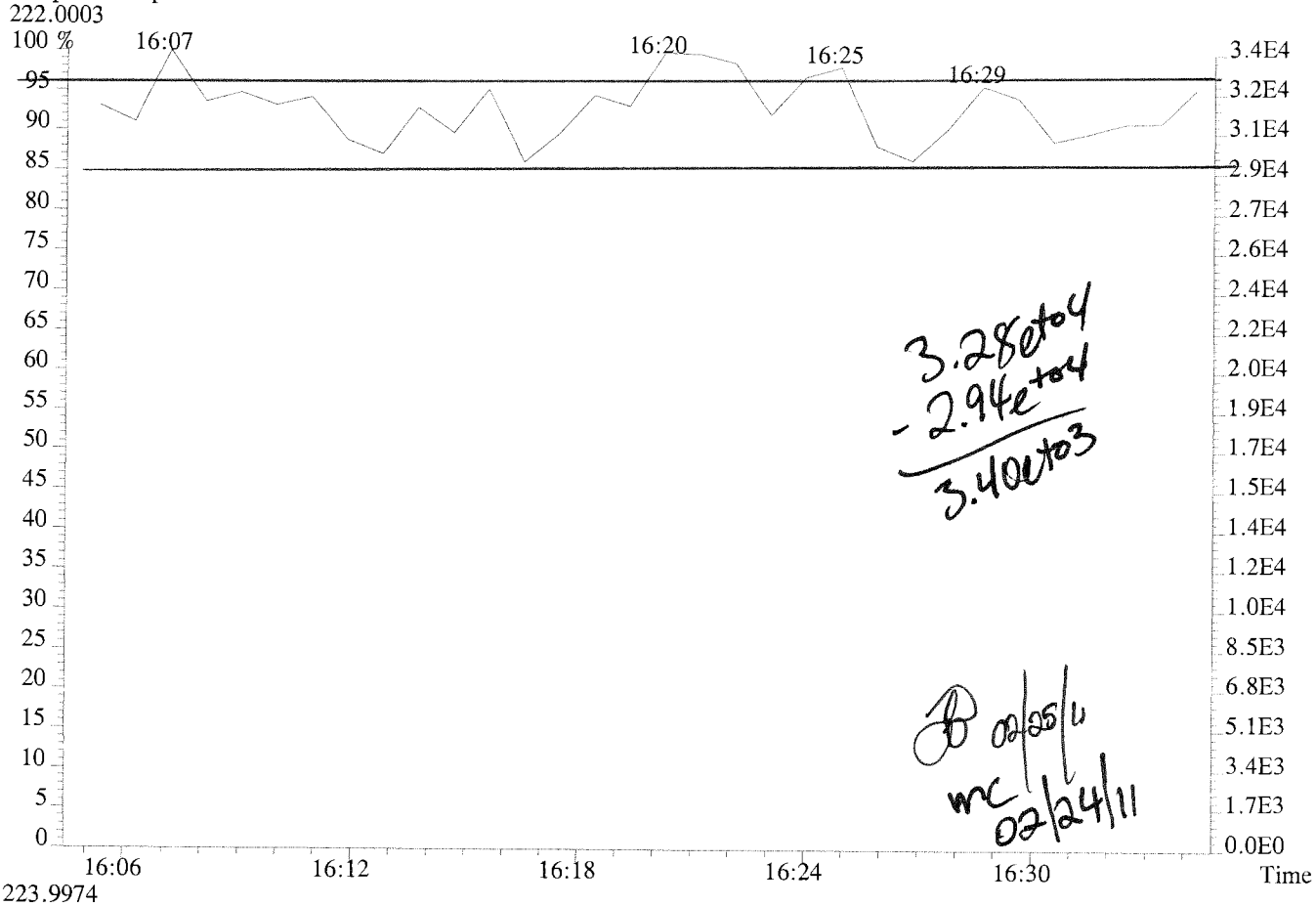


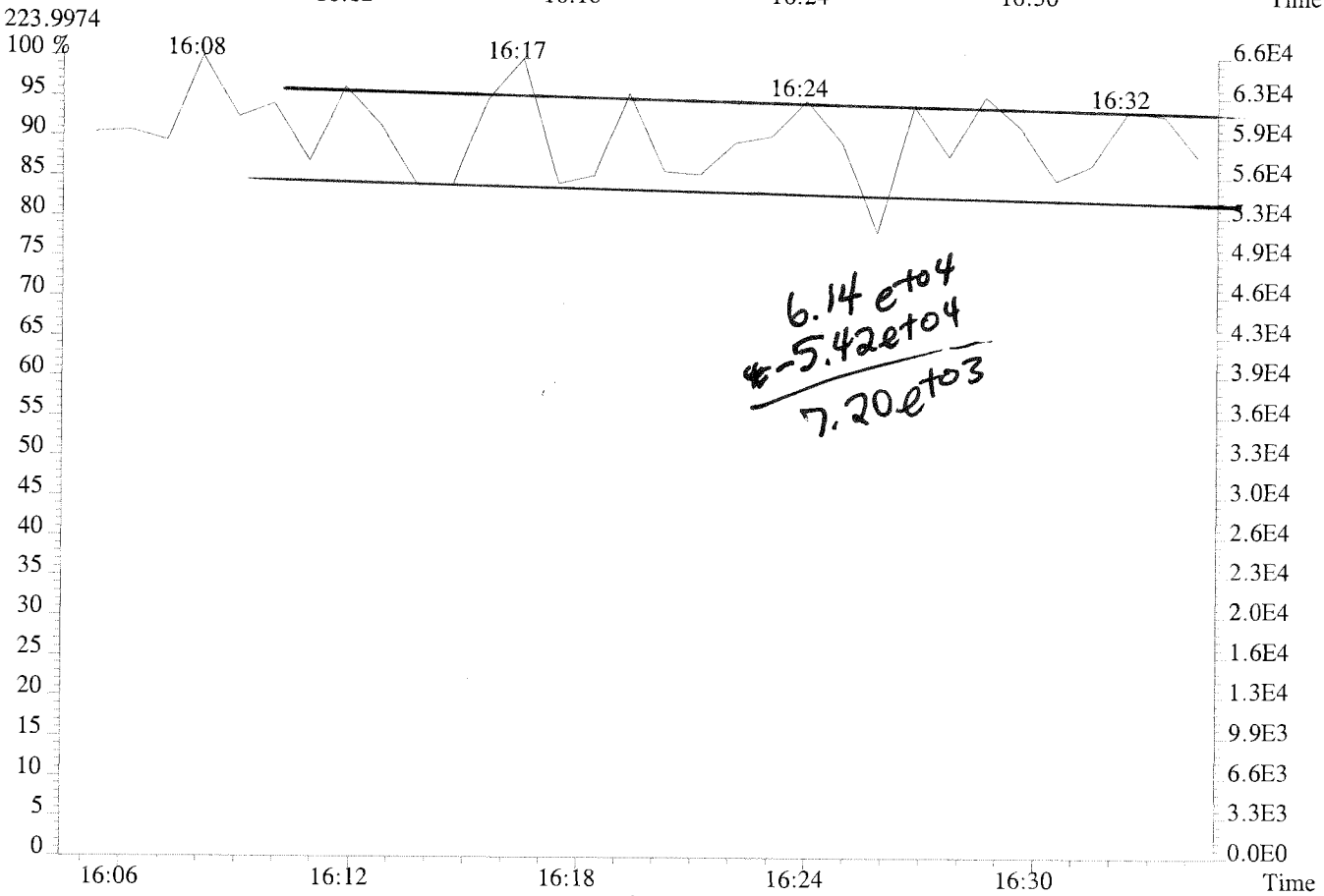
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7572.0,1.00%,F,T)



MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST REVIEWER
02/24/11 02/25/11

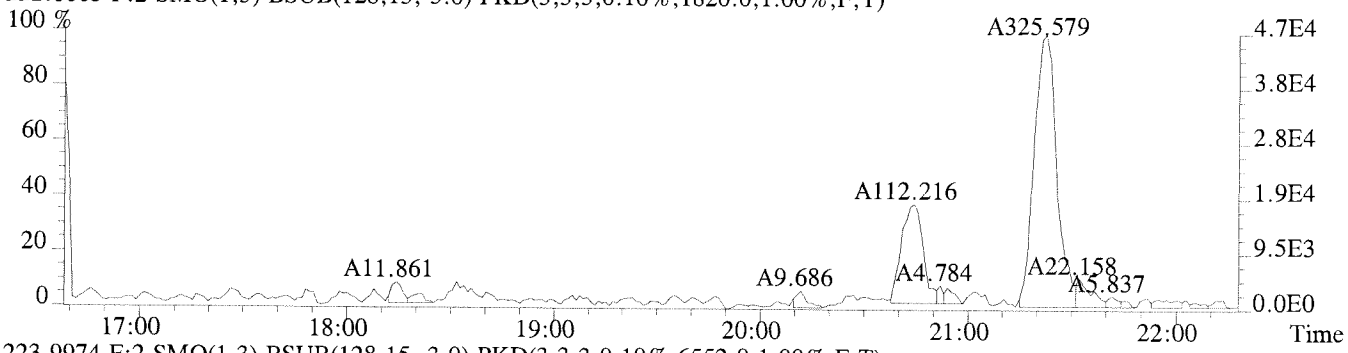
File:U139142 #1-347 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1



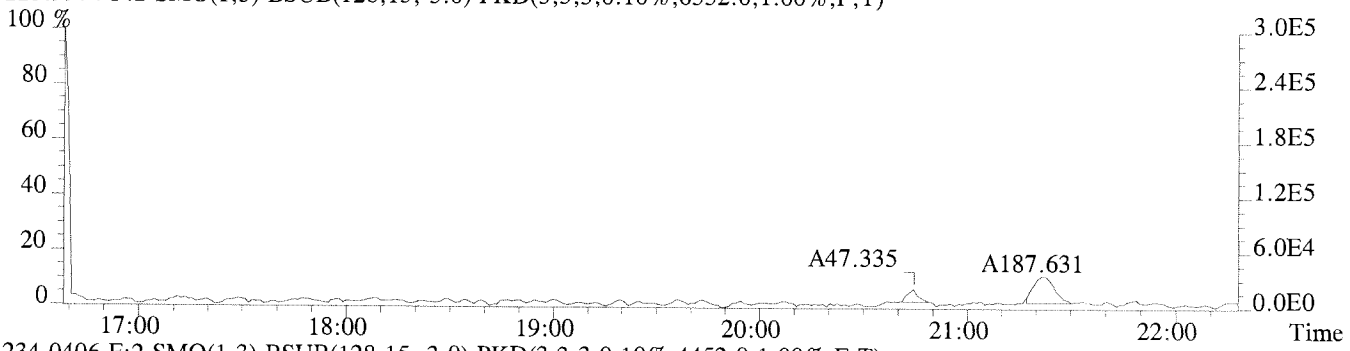


File:U139142 #1-313 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

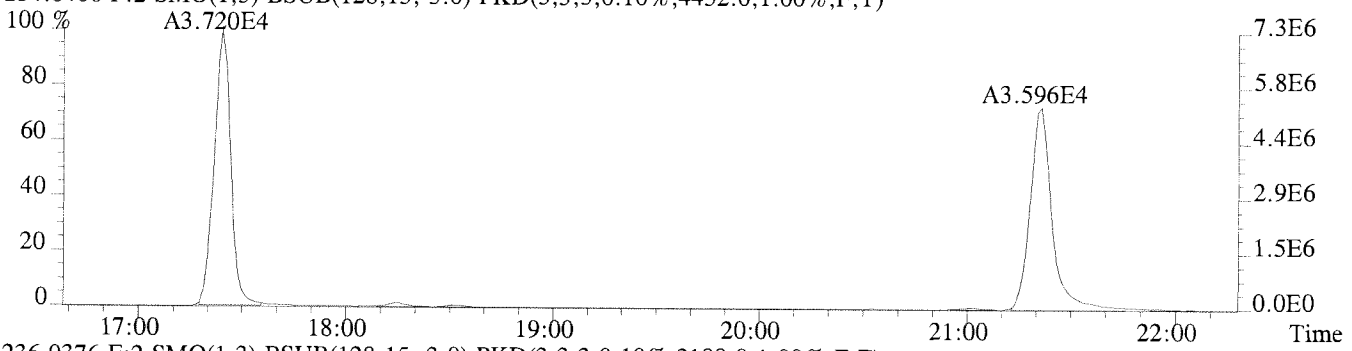
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1820.0,1.00%,F,T)



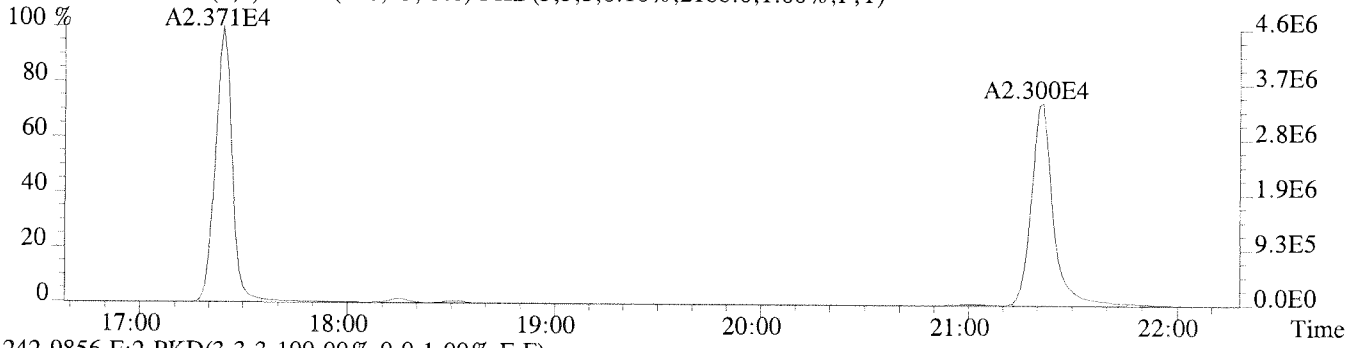
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6552.0,1.00%,F,T)



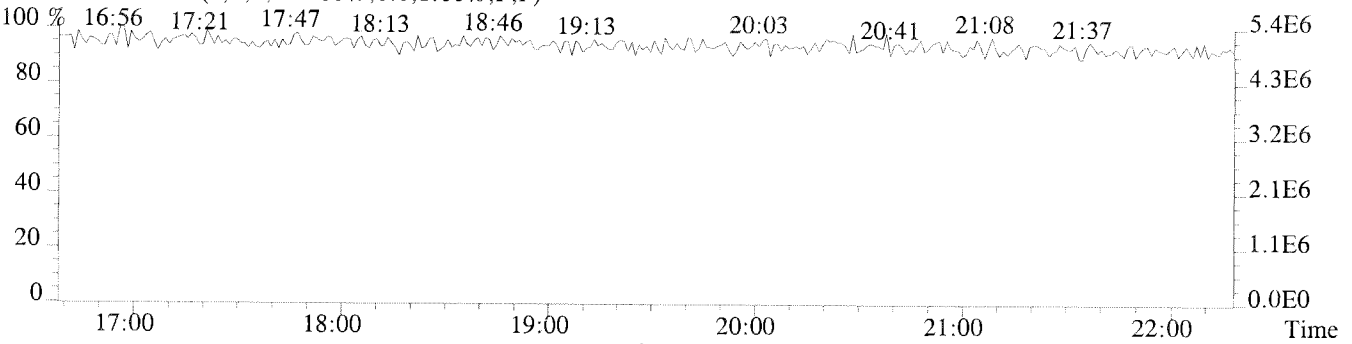
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4452.0,1.00%,F,T)



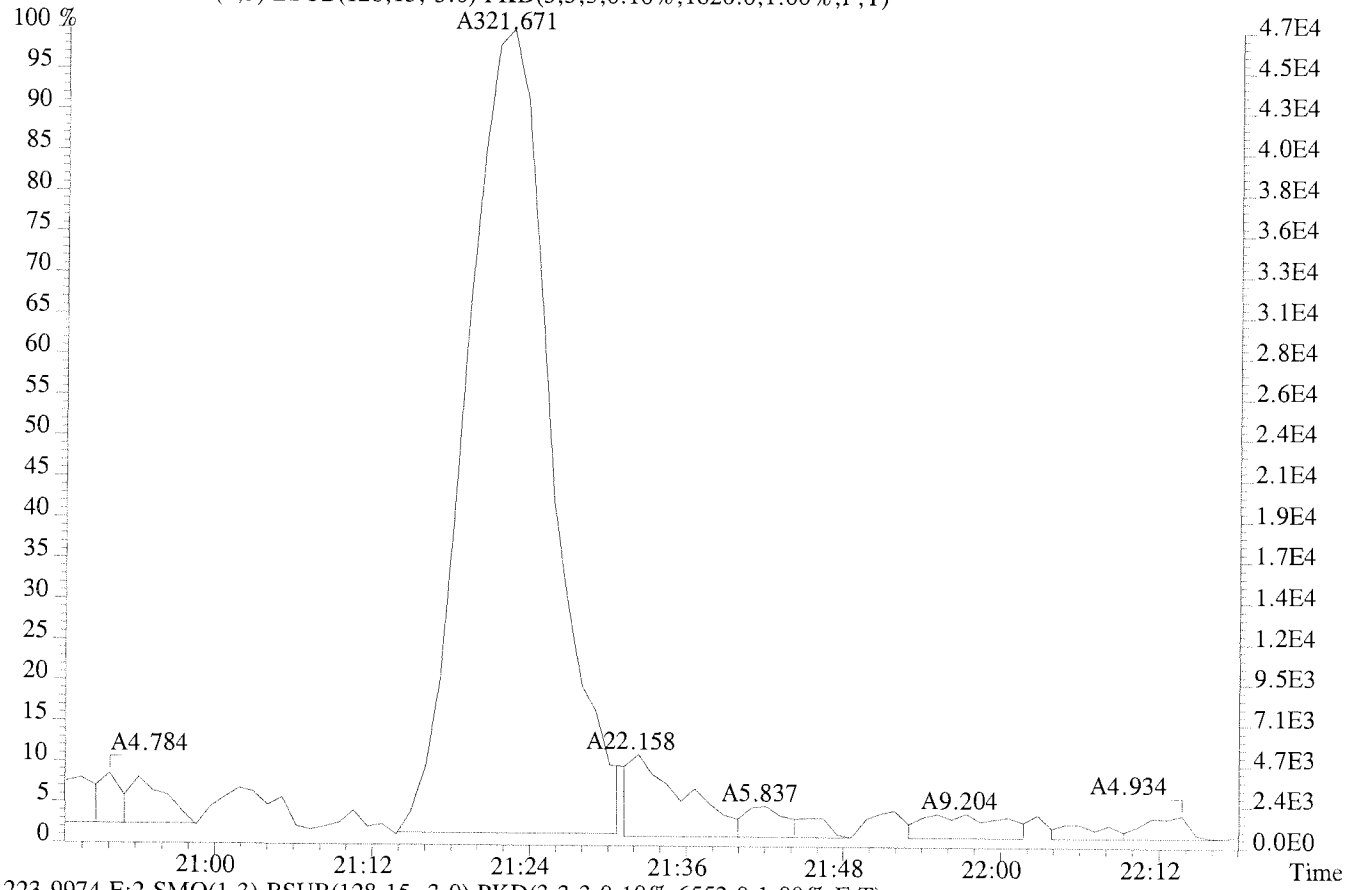
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2188.0,1.00%,F,T)



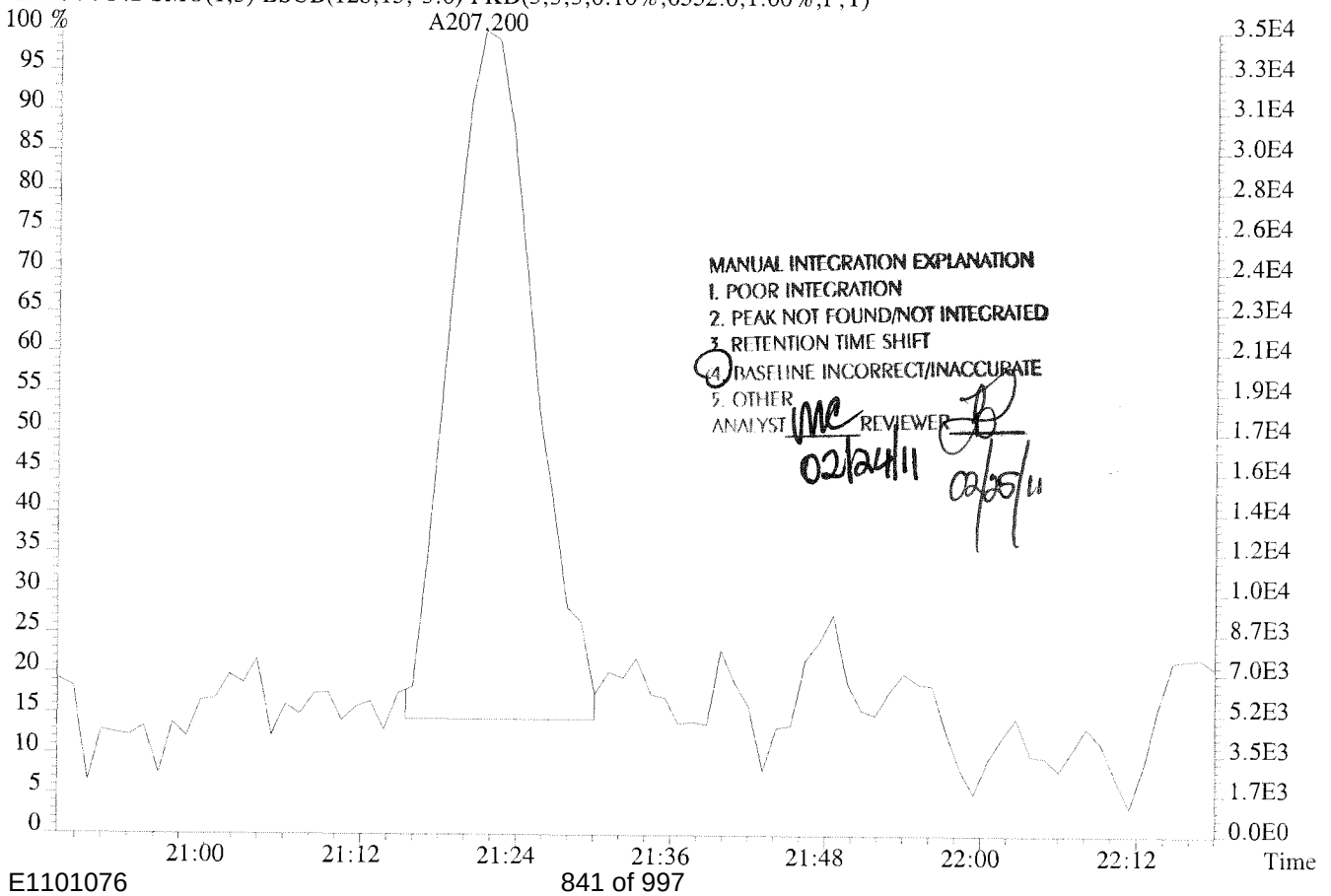
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139142 #1-313 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1820.0,1.00%,F,T)

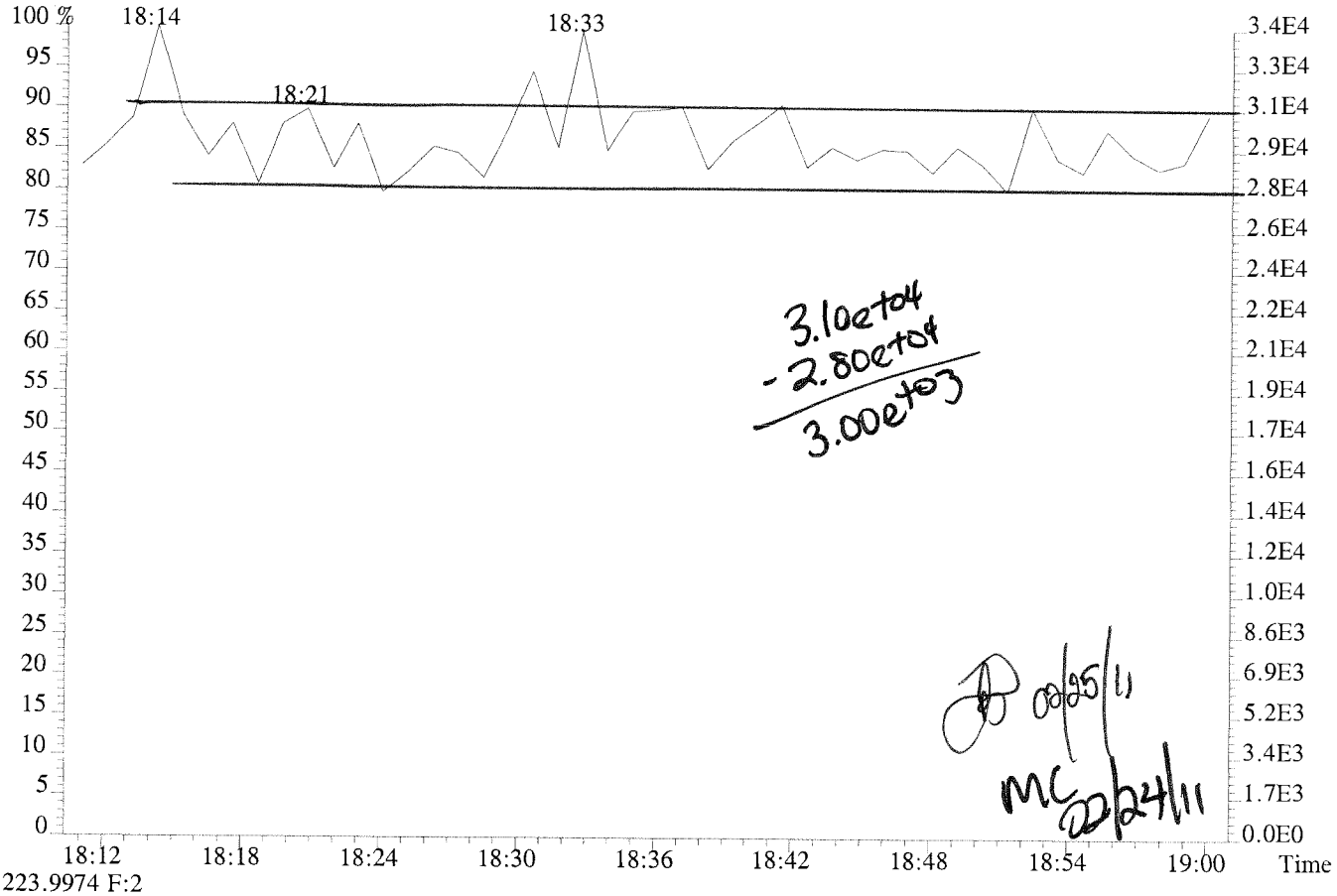


223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6552.0,1.00%,F,T)

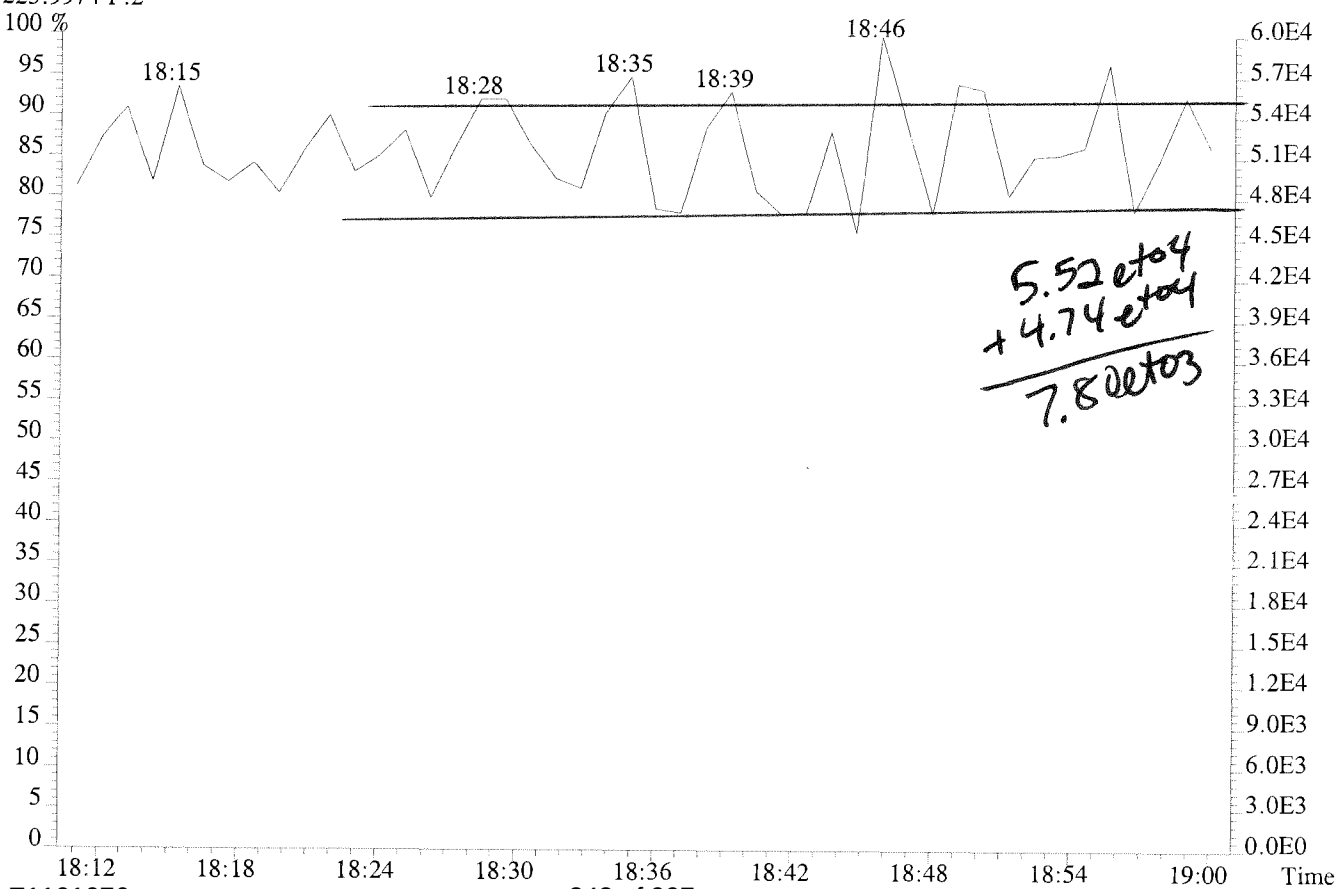


MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/24/11 02/25/11

File:U139142 #1-313 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
222.0003 F:2

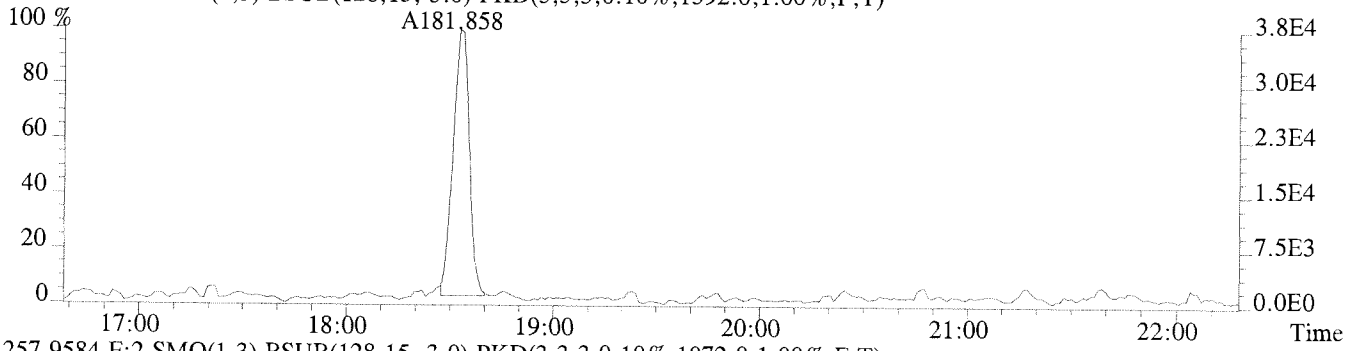


223.9974 F:2

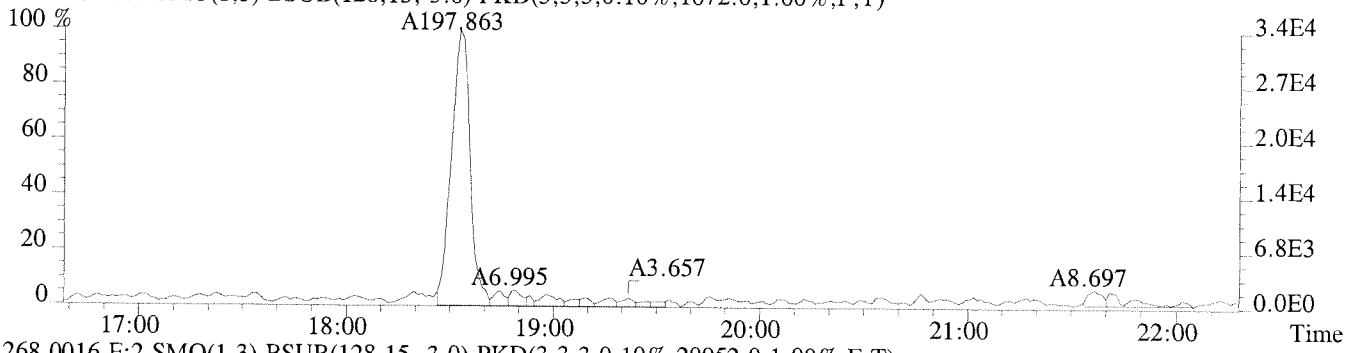


File:U139142 #1-313 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

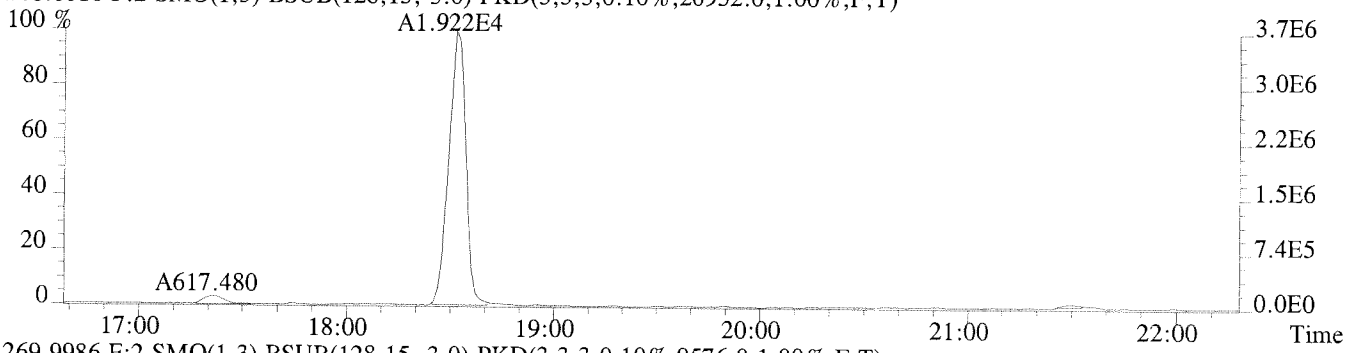
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1392.0,1.00%,F,T)



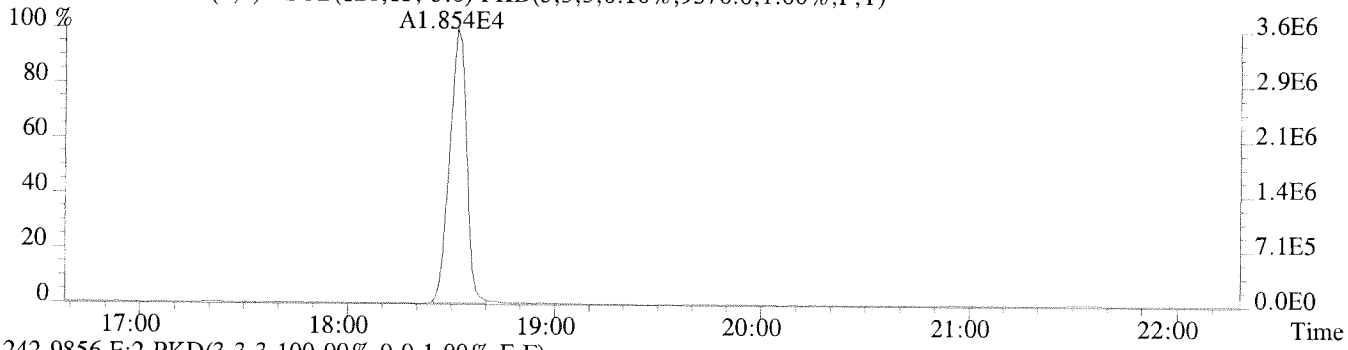
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)



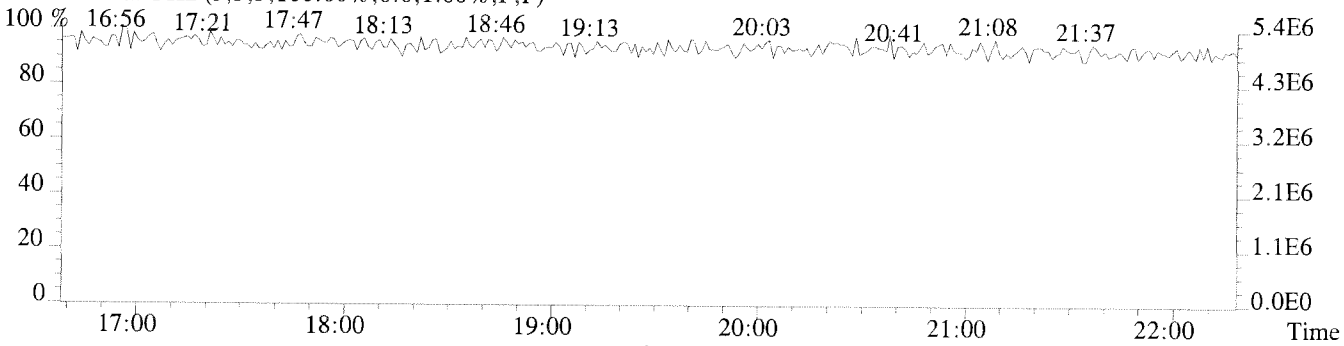
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,20952.0,1.00%,F,T)



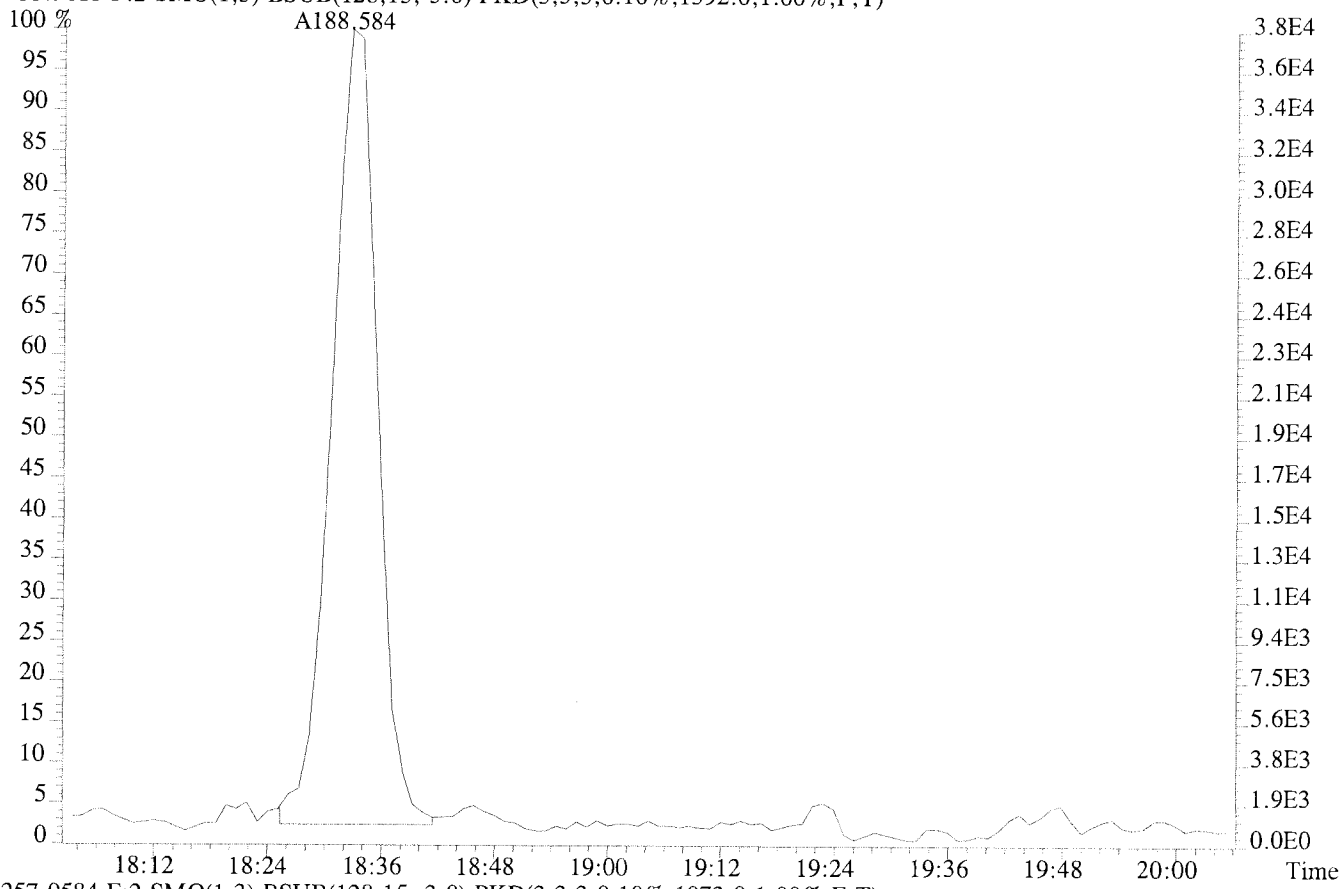
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9576.0,1.00%,F,T)



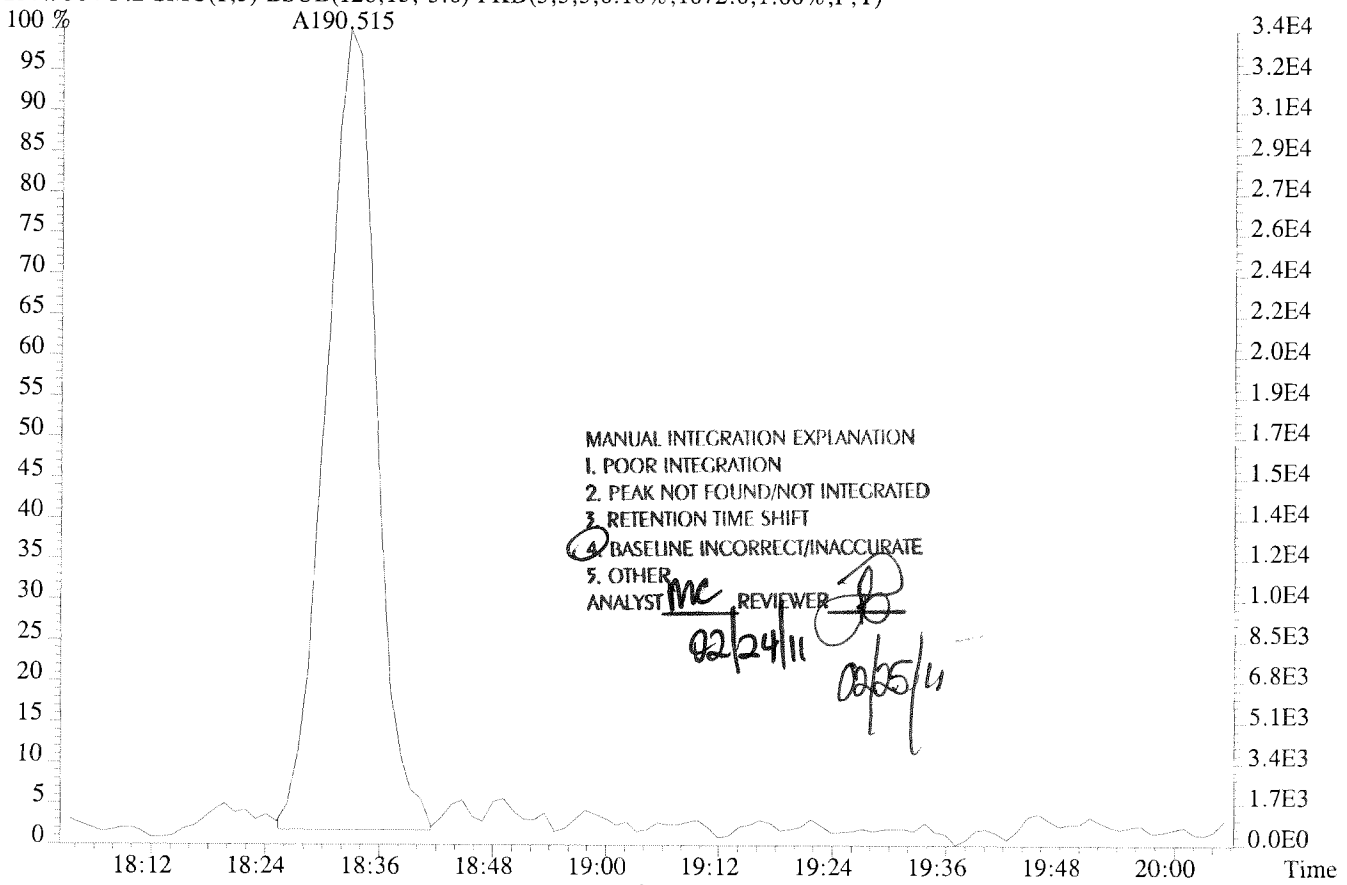
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139142 #1-313 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1392.0,1.00%,F,T)



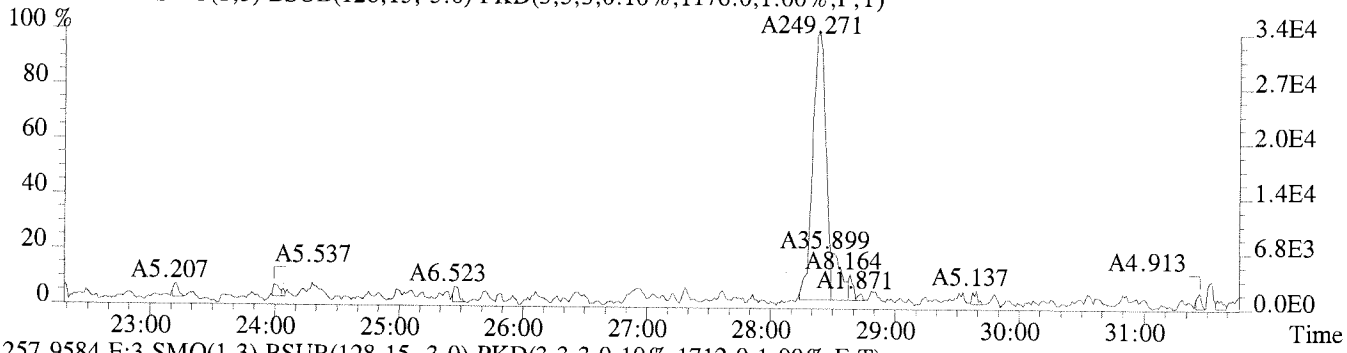
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)



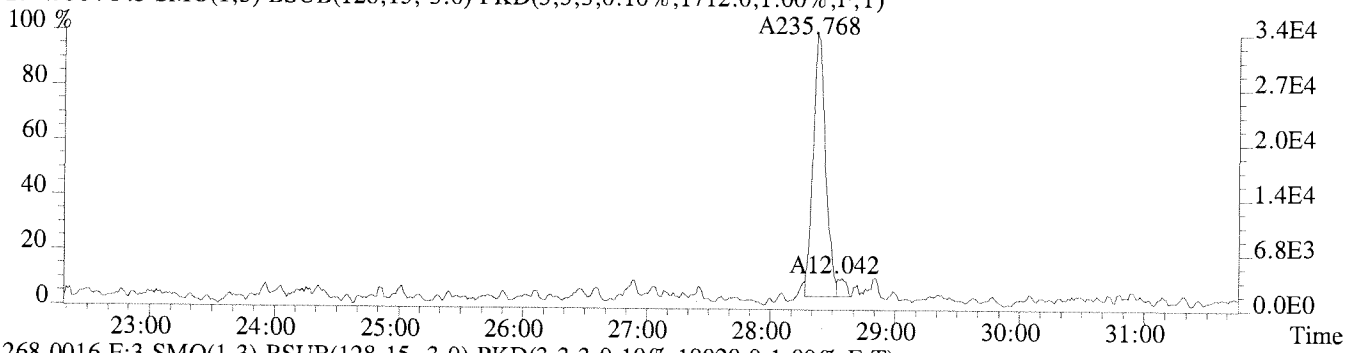
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/24/11 02/25/11

File:U139142 #1-604 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

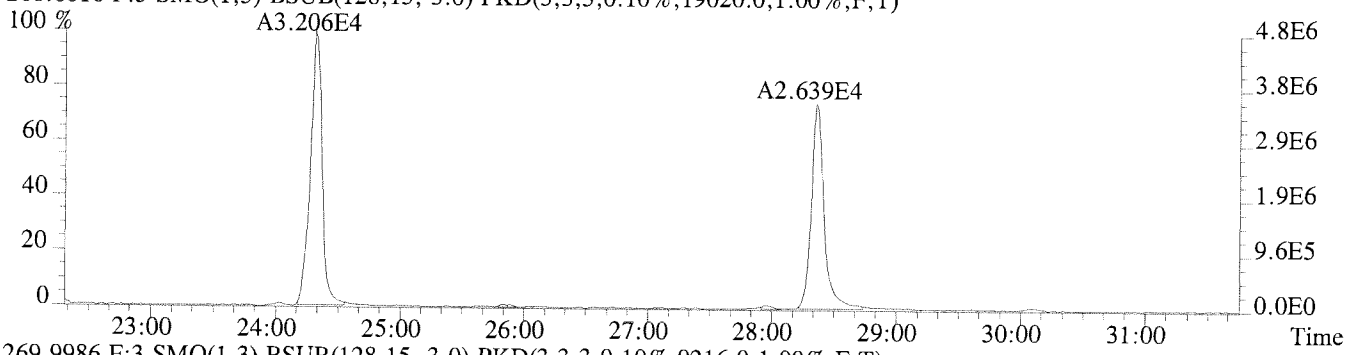
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1176.0,1.00%,F,T)



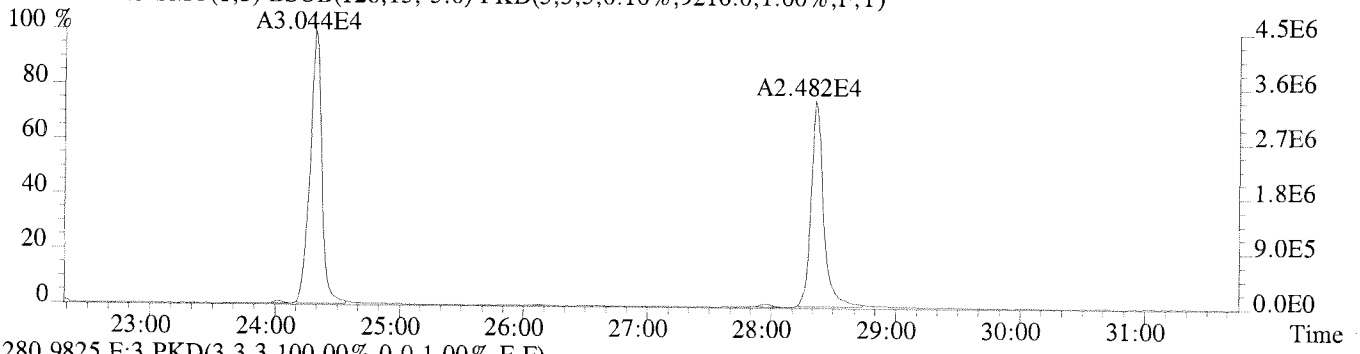
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1712.0,1.00%,F,T)



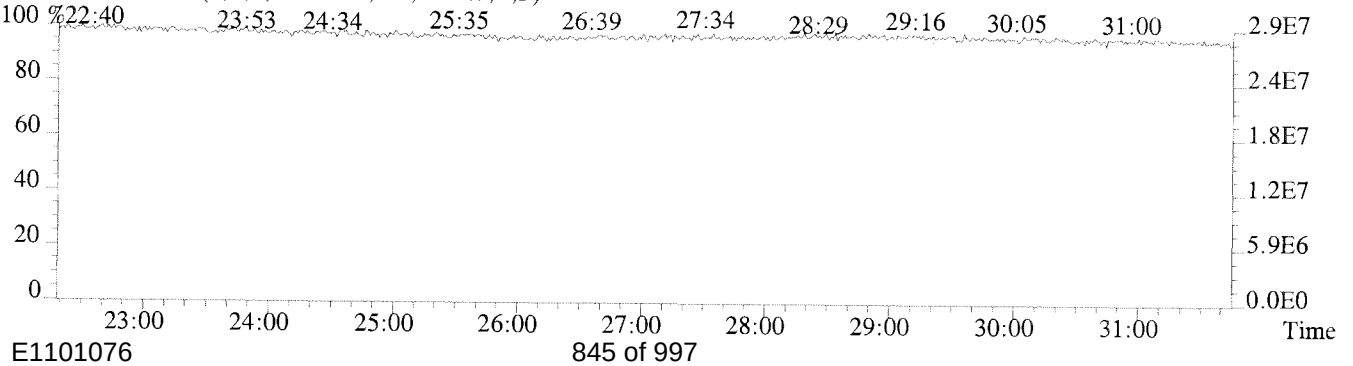
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,19020.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9216.0,1.00%,F,T)

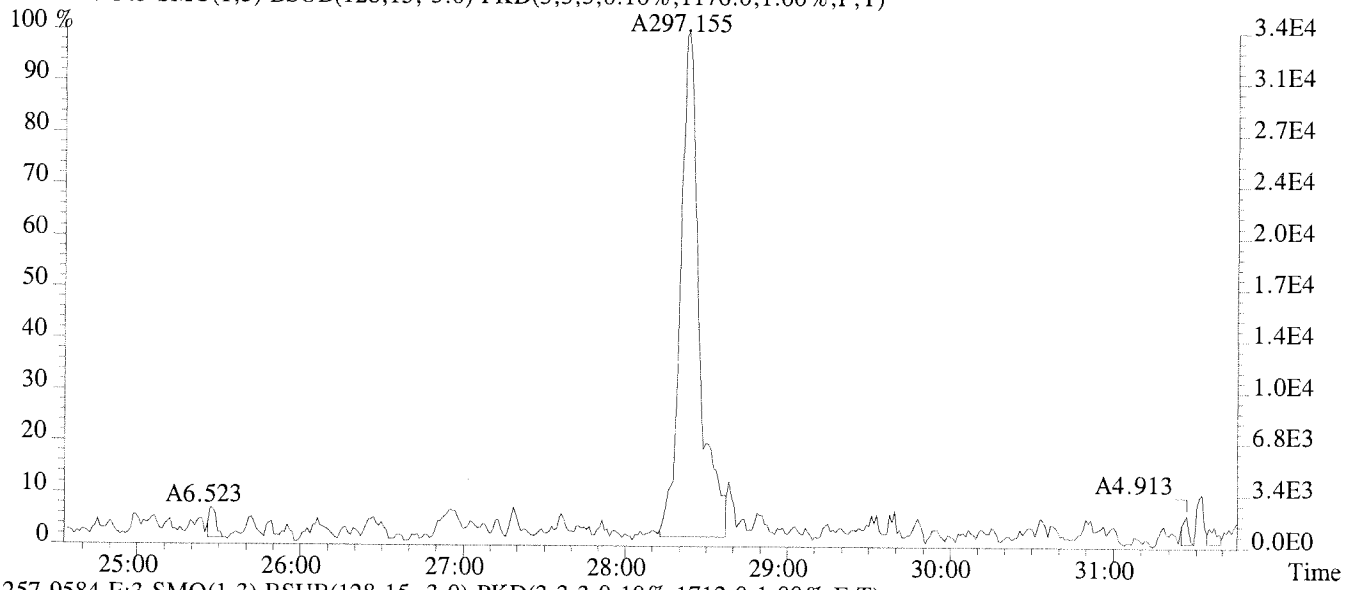


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

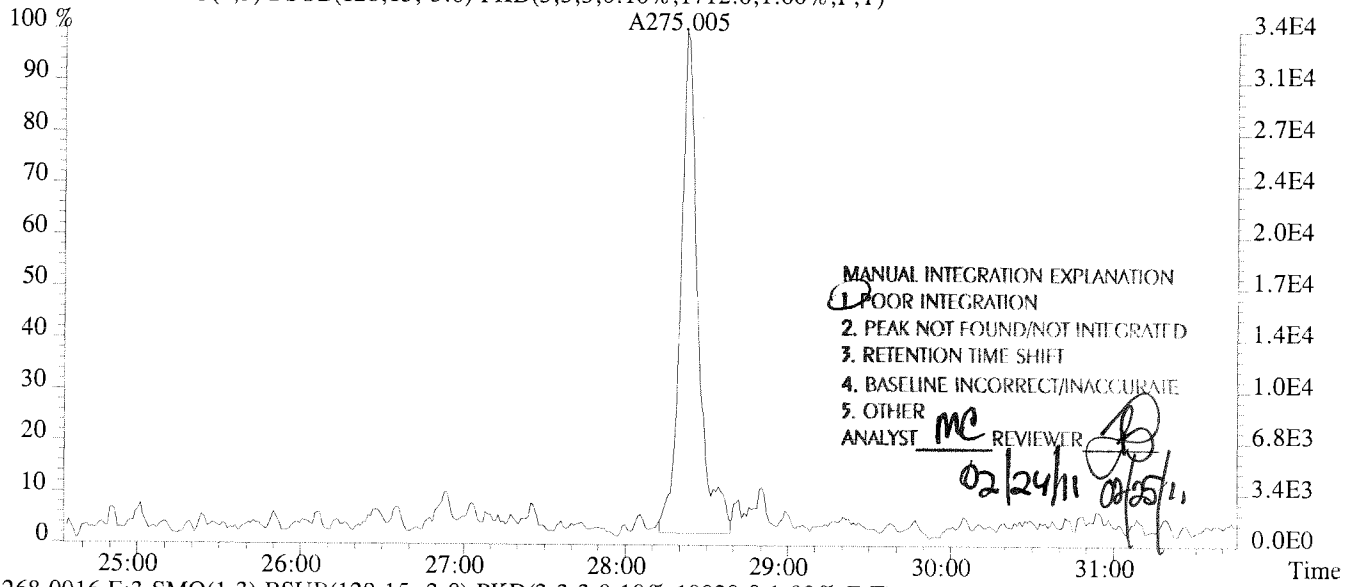


File:U139142 #1-604 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

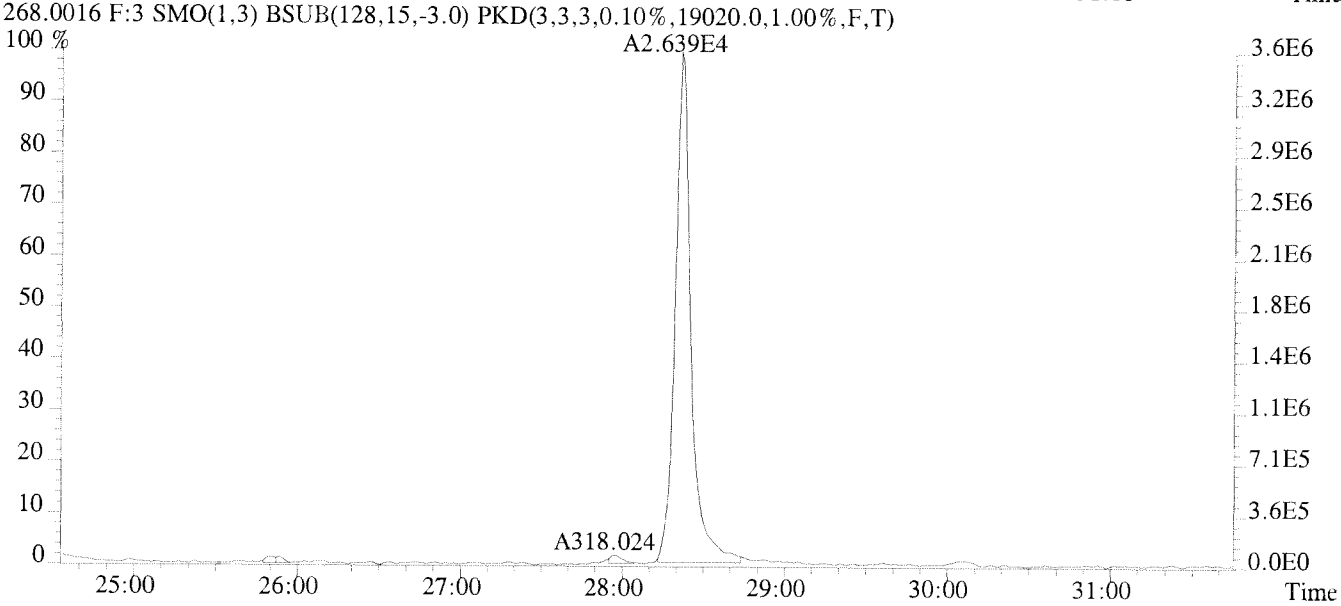
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1176.0,1.00%,F,T)



257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1712.0,1.00%,F,T)

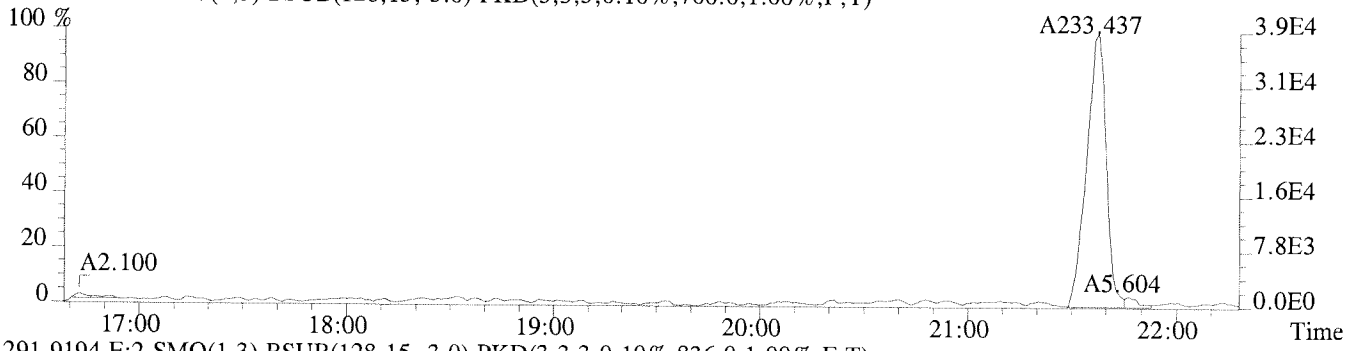


268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,19020.0,1.00%,F,T)

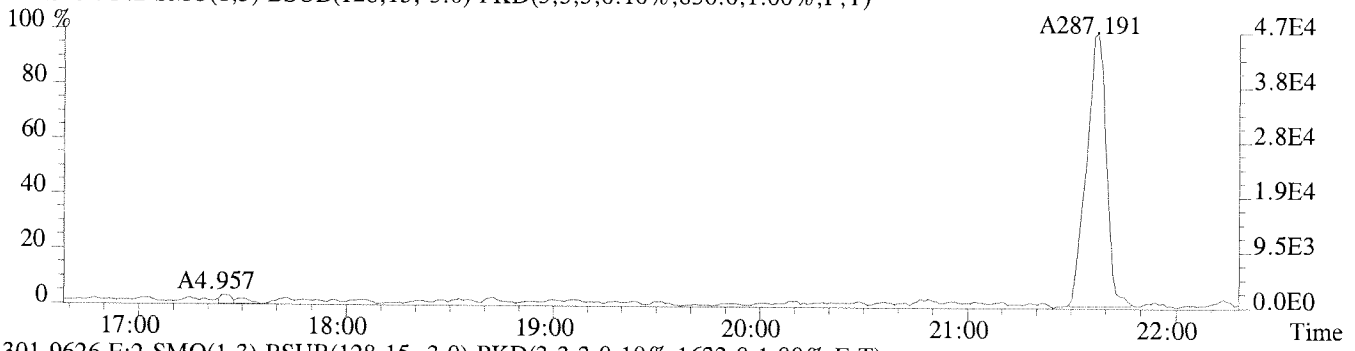


File:U139142 #1-313 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

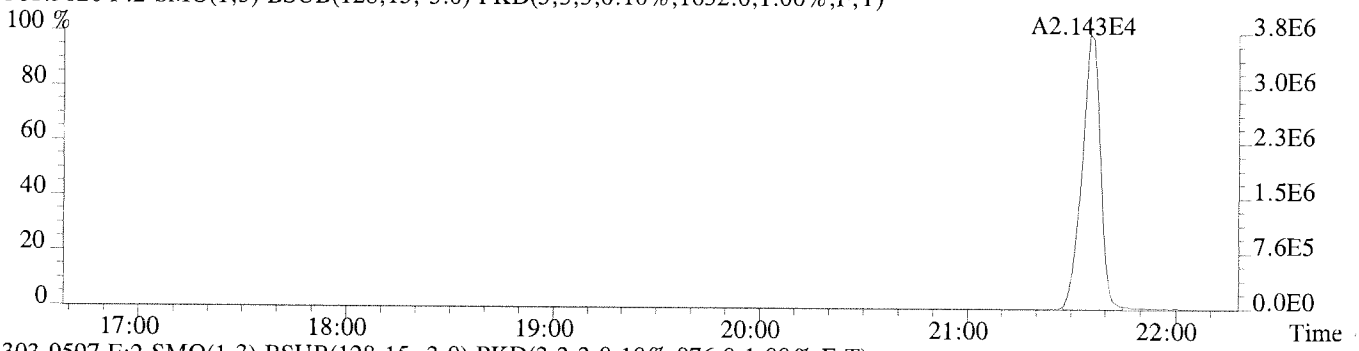
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,700.0,1.00%,F,T)



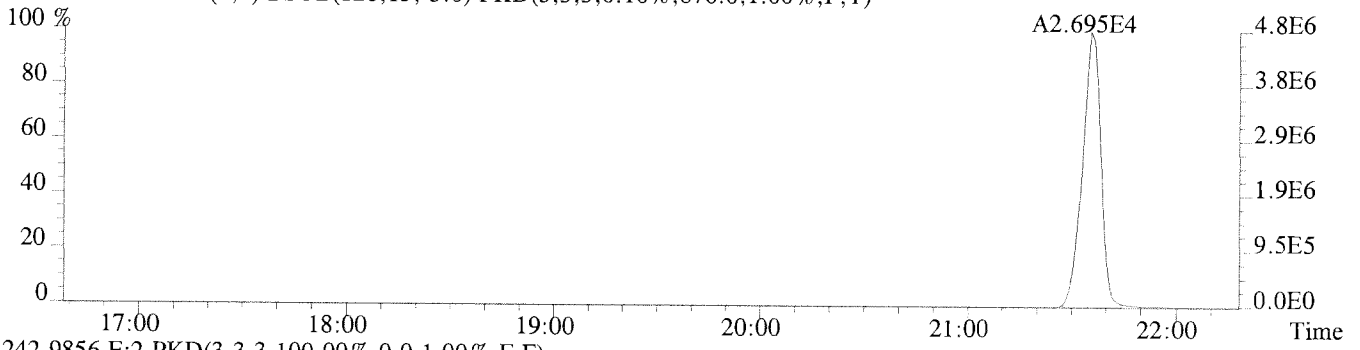
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,836.0,1.00%,F,T)



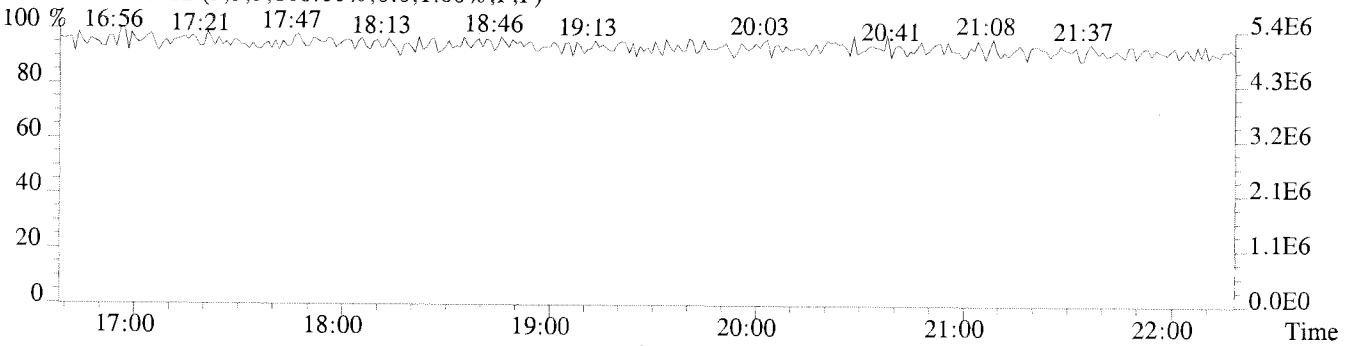
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1632.0,1.00%,F,T)



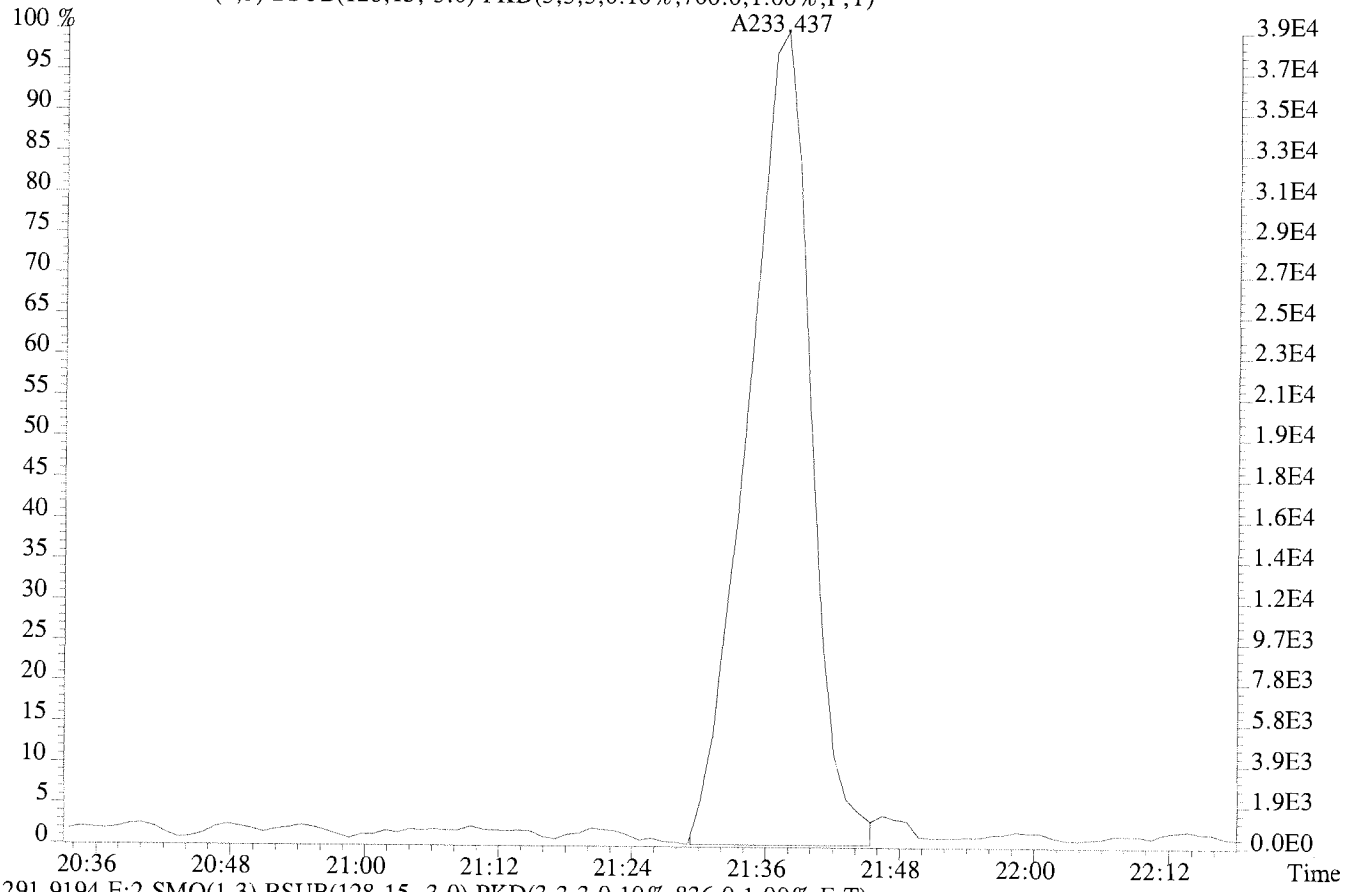
303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)



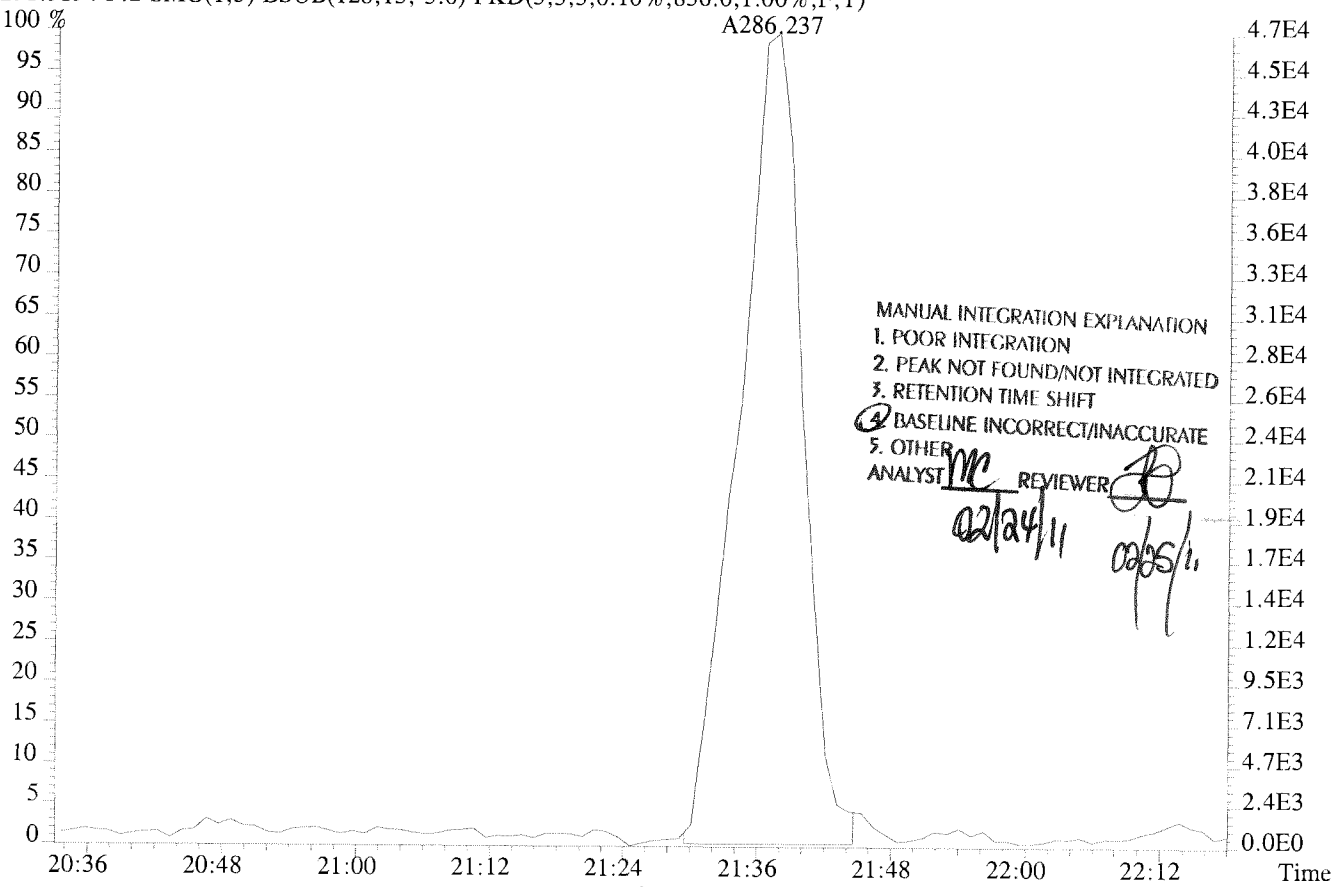
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139142 #1-313 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,700.0,1.00%,F,T)



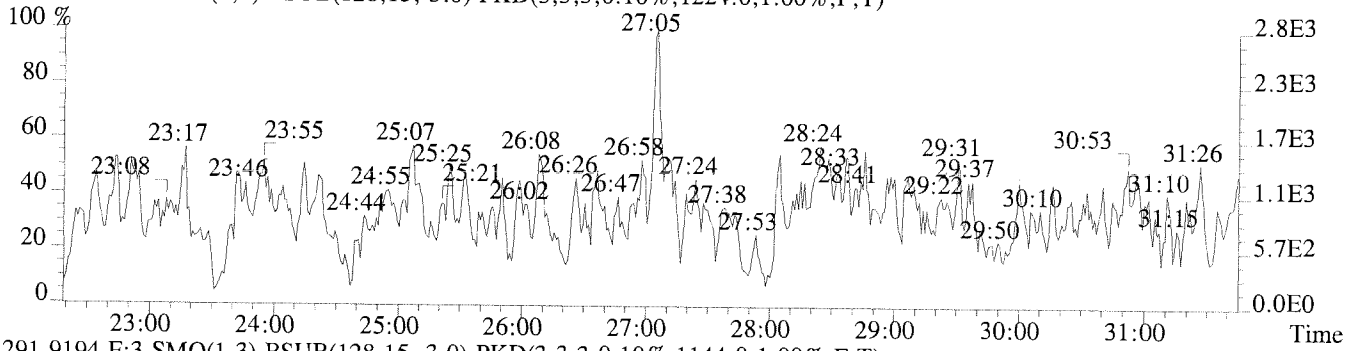
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,836.0,1.00%,F,T)



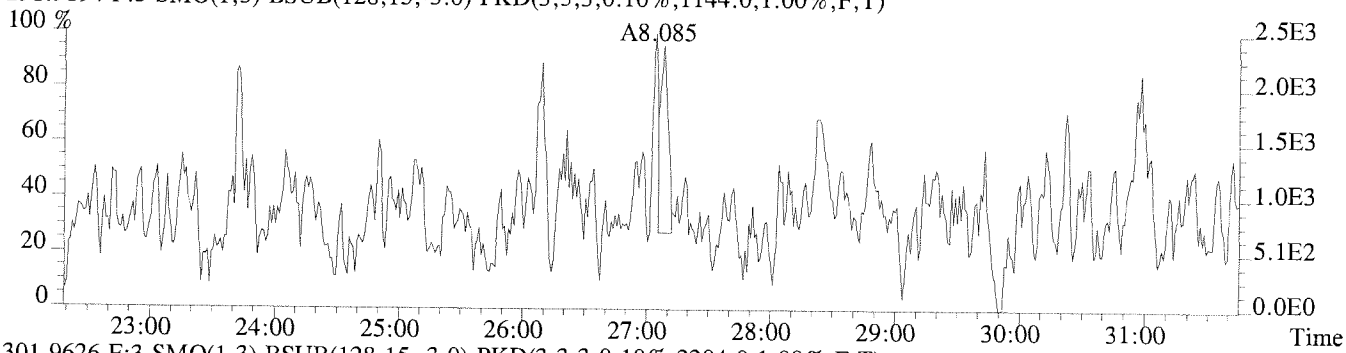
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/24/11 03/05/11

File:U139142 #1-604 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

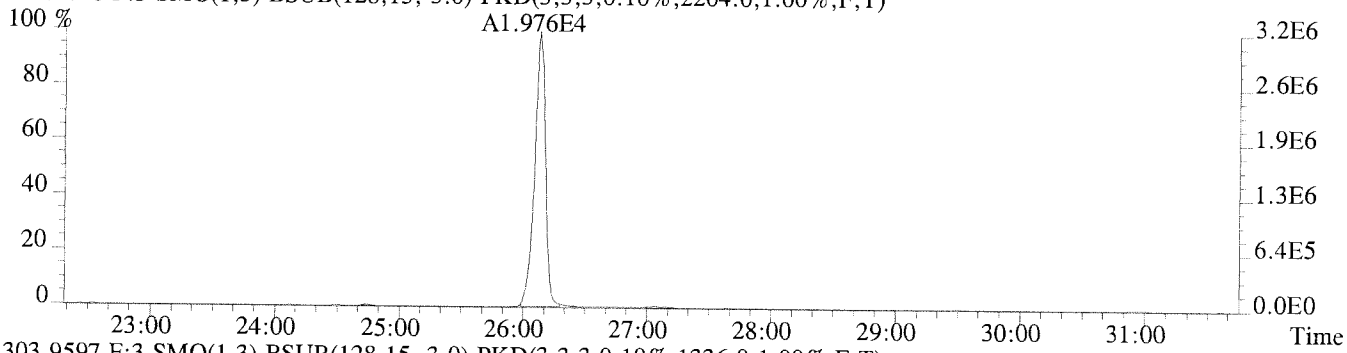
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1224.0,1.00%,F,T)



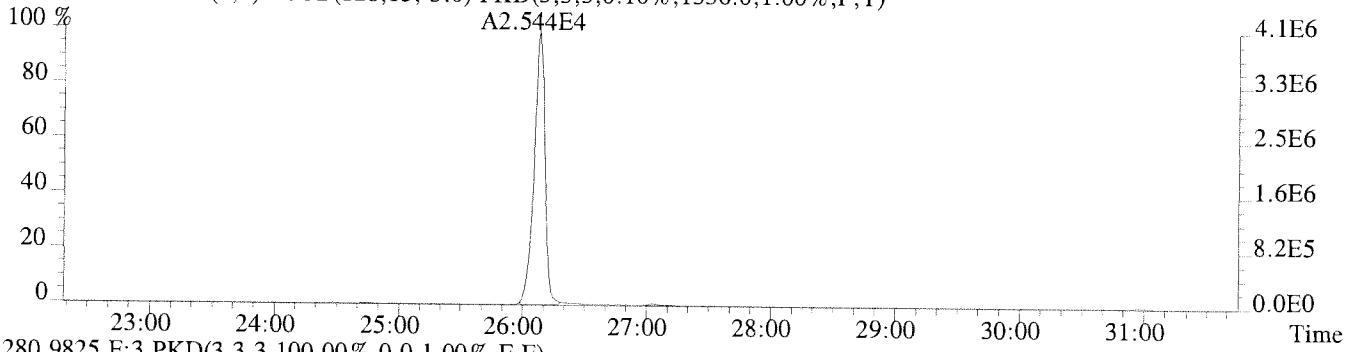
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1144.0,1.00%,F,T)



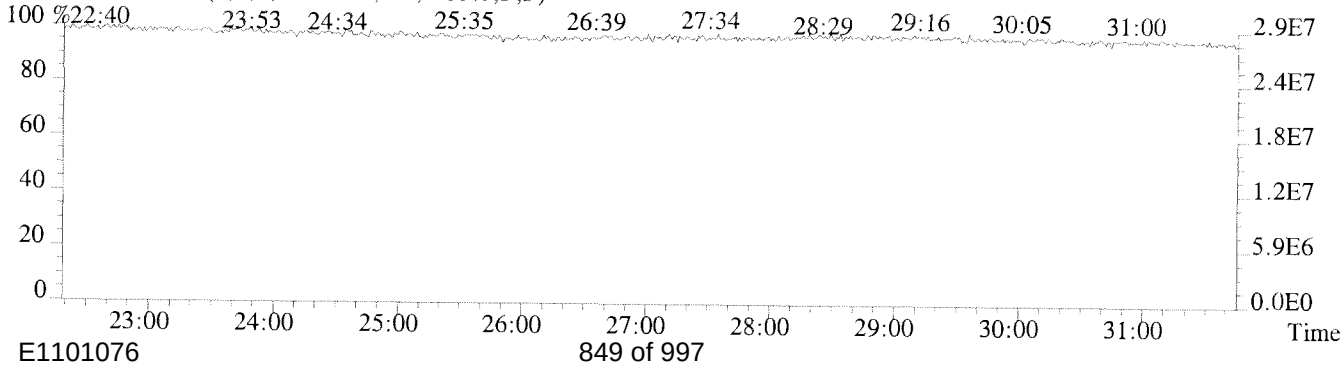
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2204.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1336.0,1.00%,F,T)

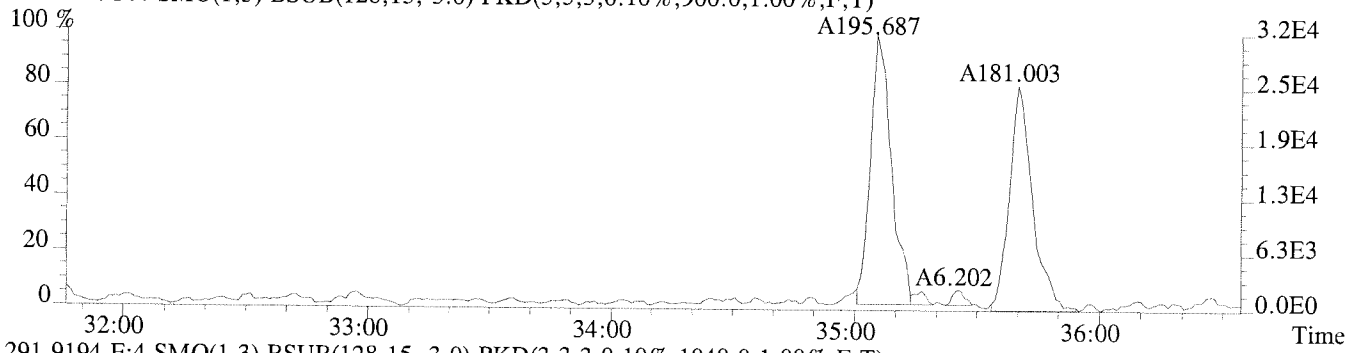


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

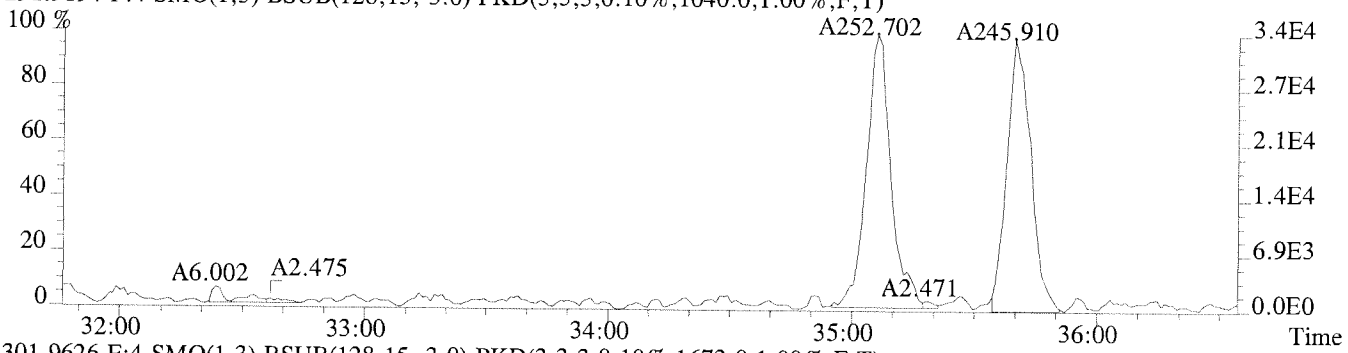


File:U139142 #1-308 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

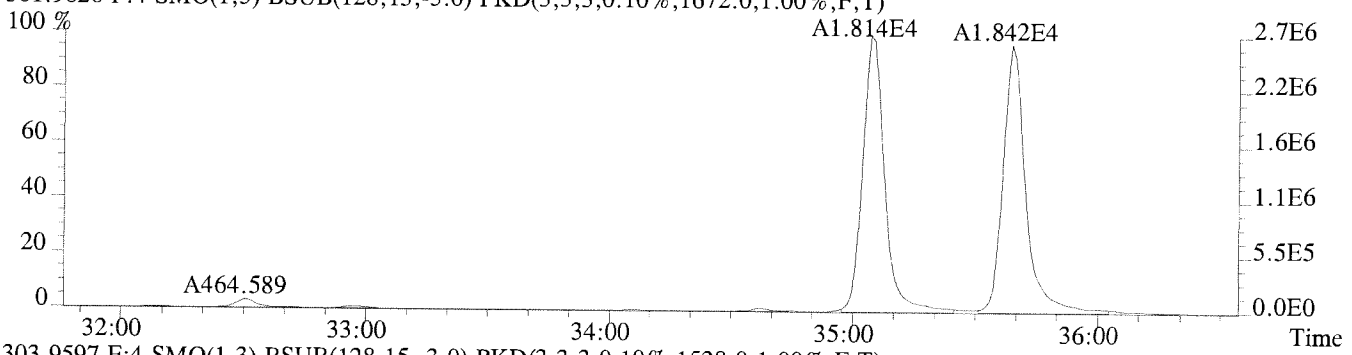
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)



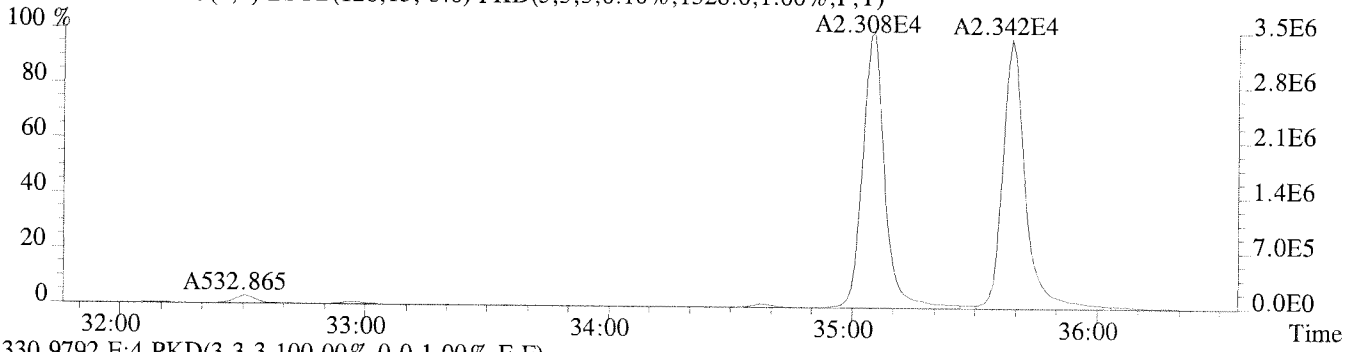
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



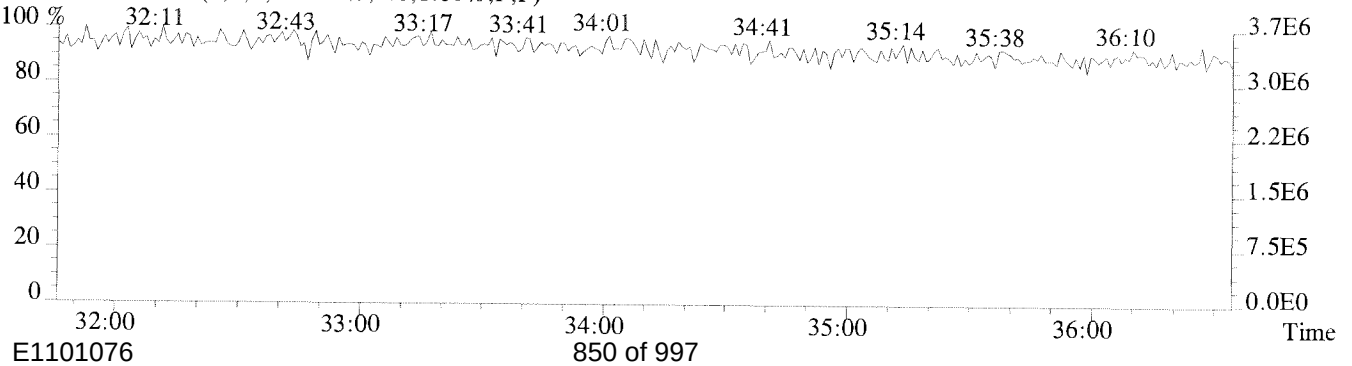
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1672.0,1.00%,F,T)



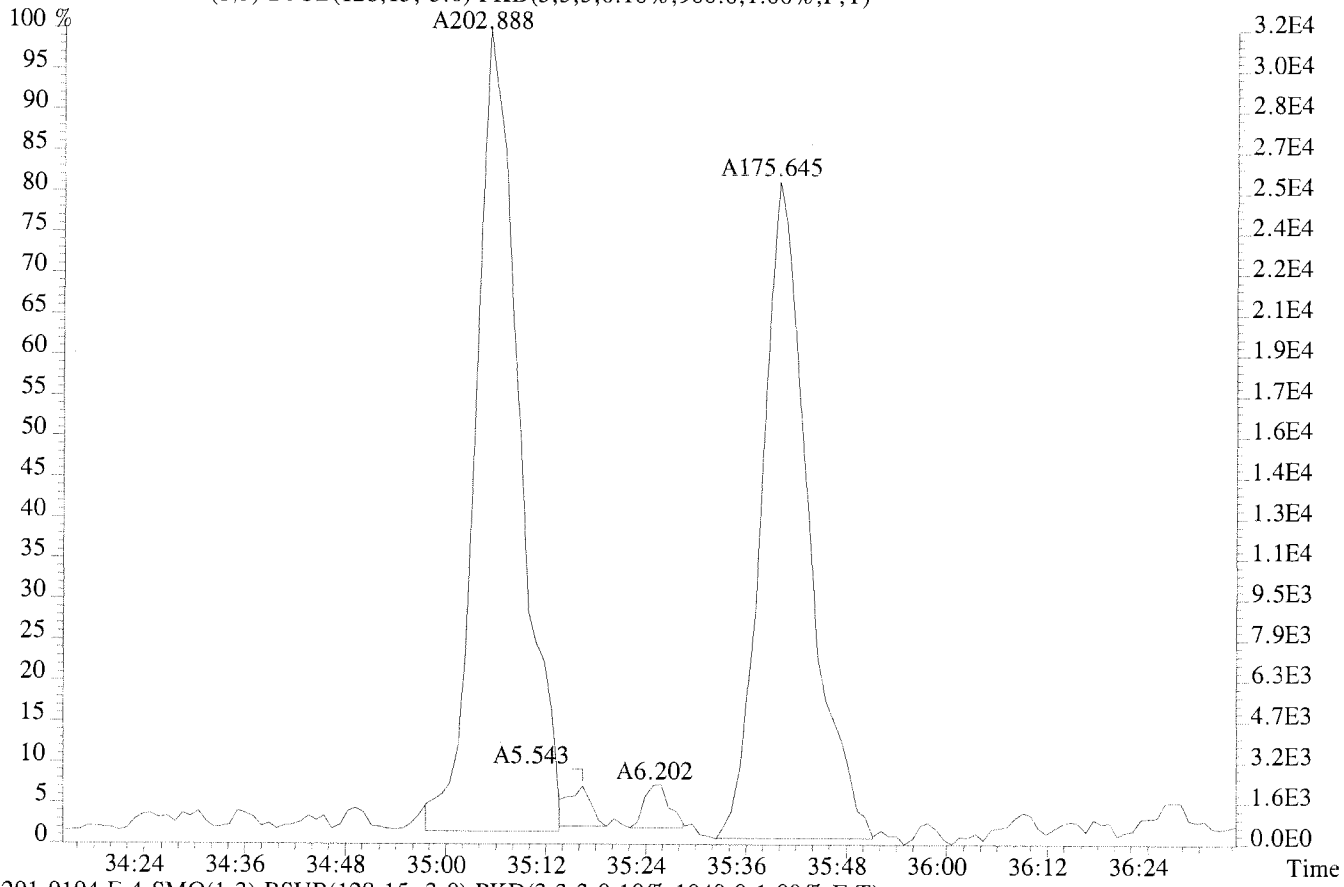
303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1528.0,1.00%,F,T)



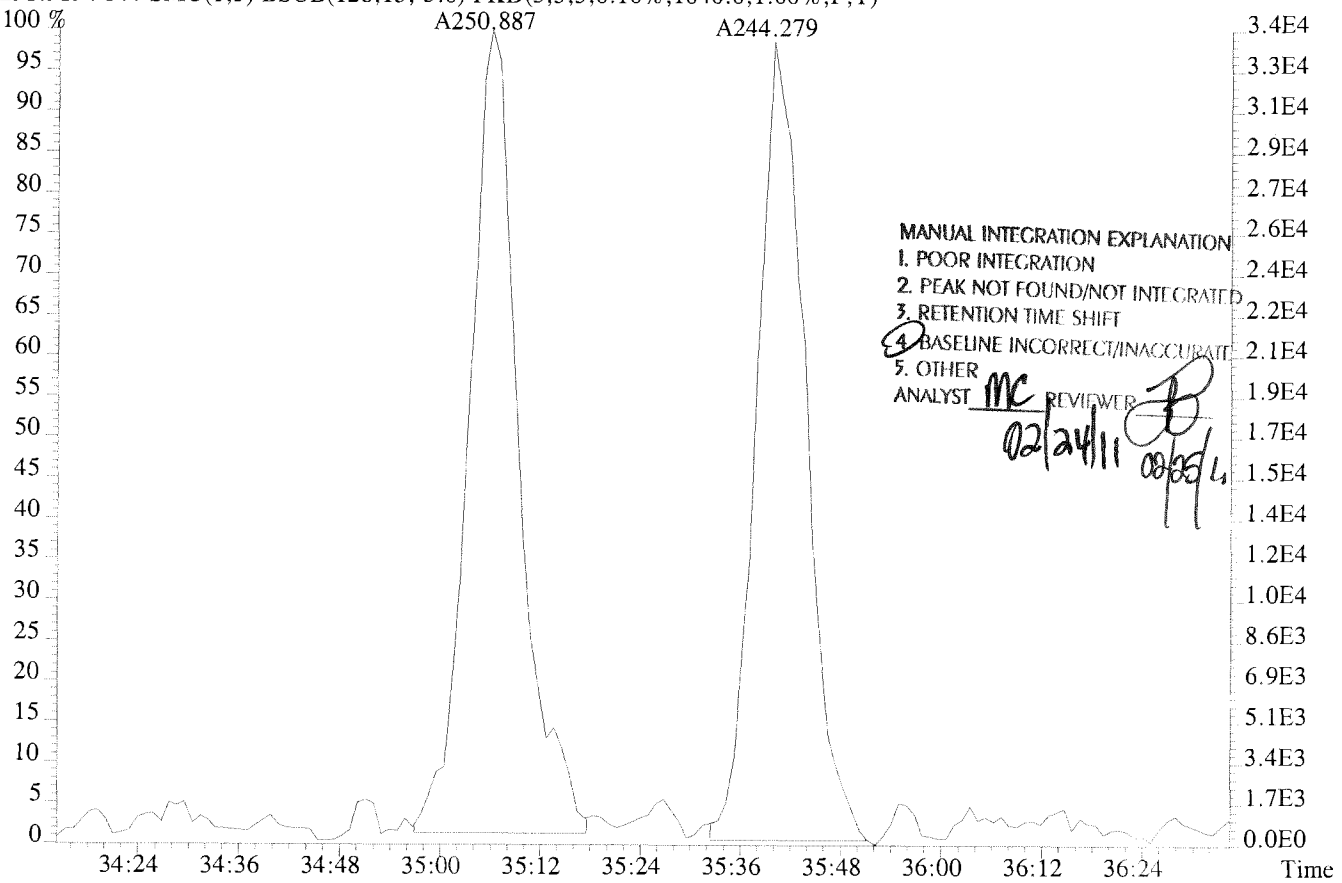
330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139142 #1-308 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)



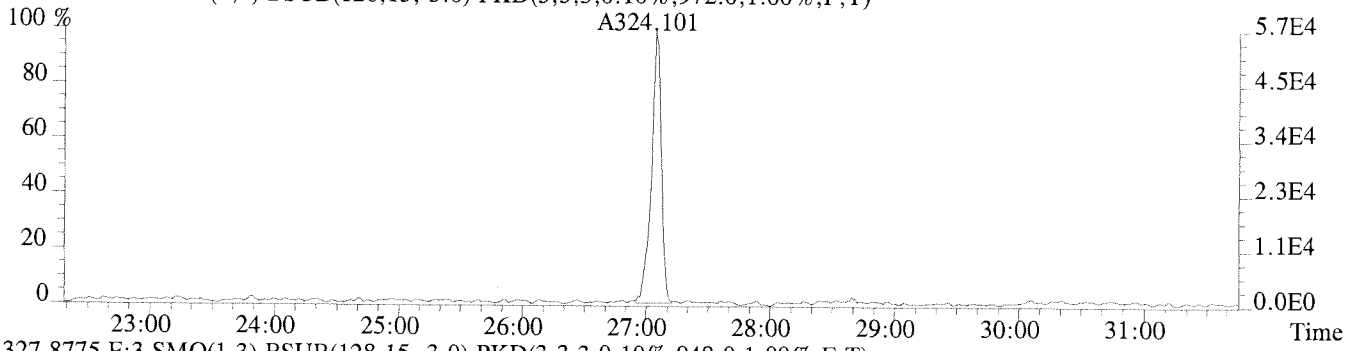
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1040.0,1.00%,F,T)



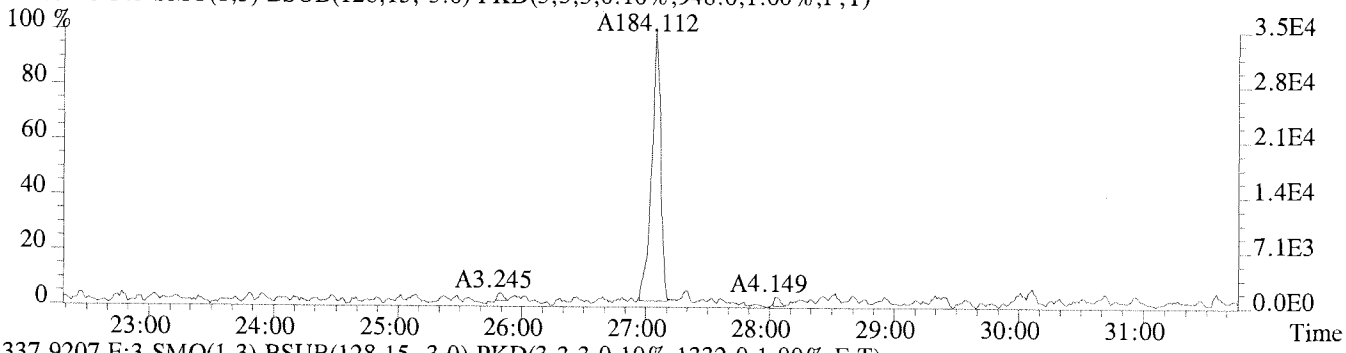
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/24/11 02/25/11

File:U139142 #1-604 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

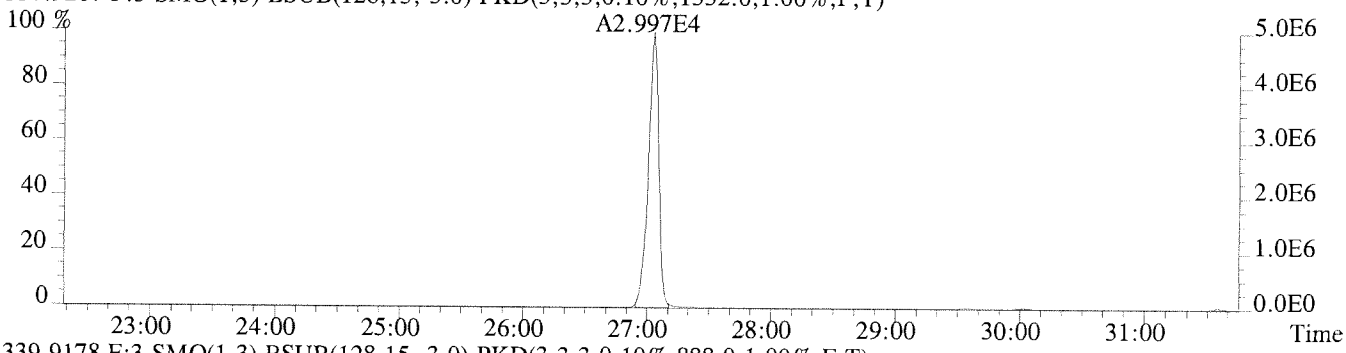
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,972.0,1.00%,F,T)



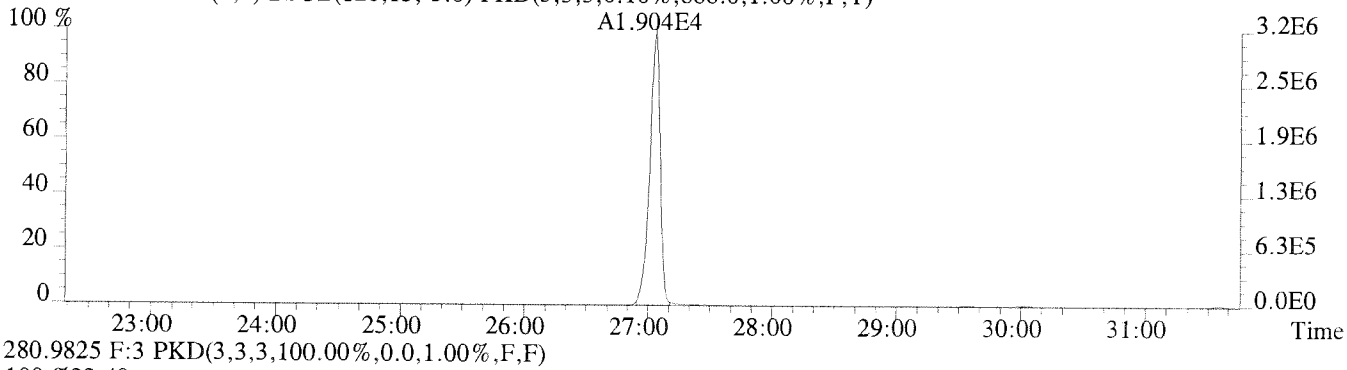
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,948.0,1.00%,F,T)



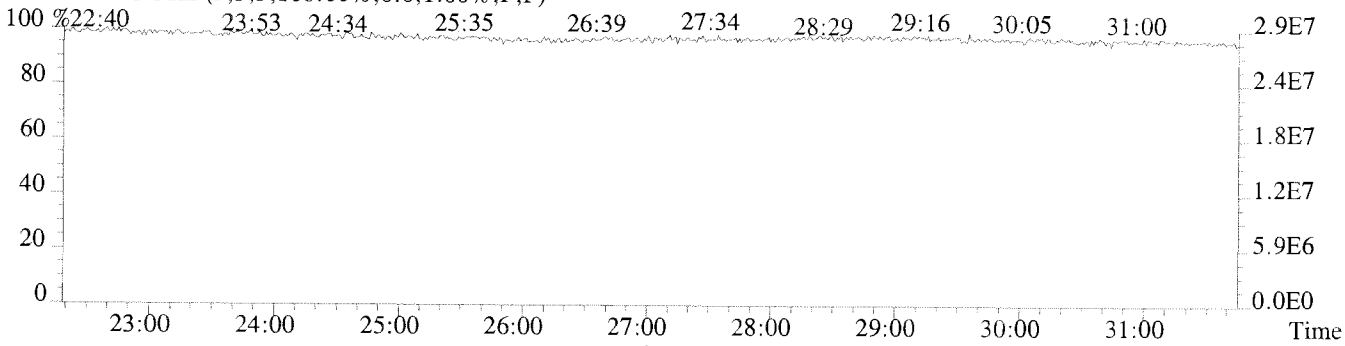
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1332.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,888.0,1.00%,F,T)

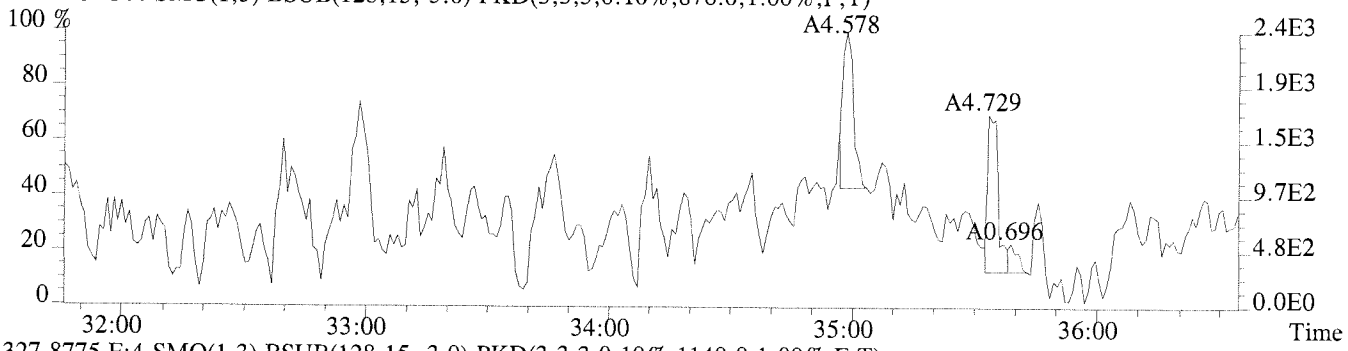


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

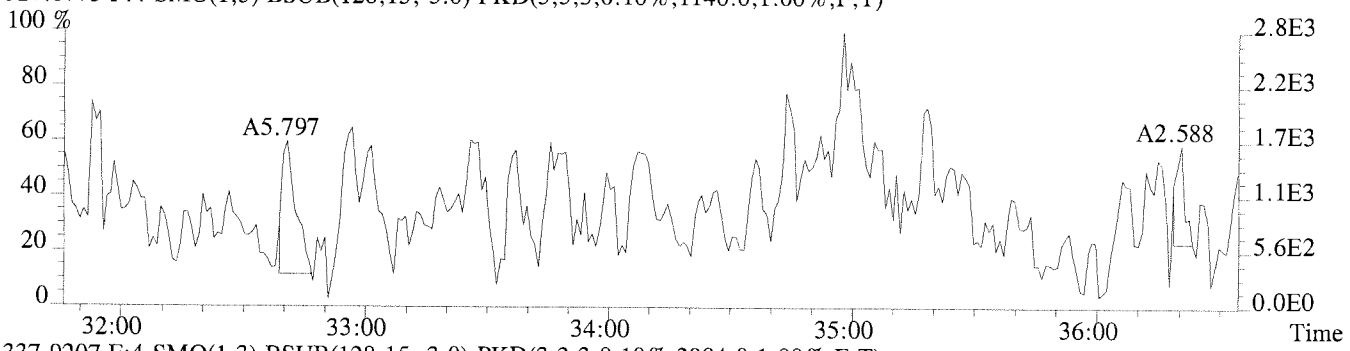


File:U139142 #1-308 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

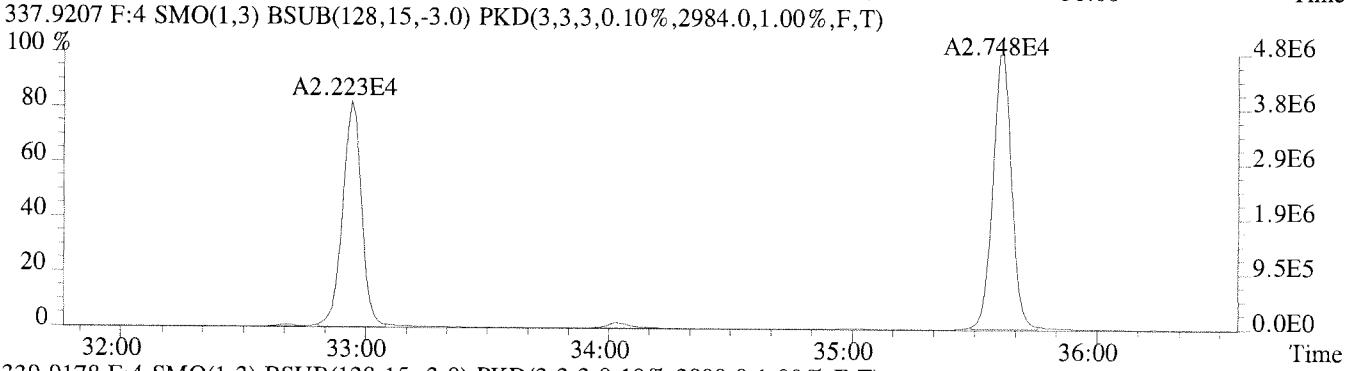
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)



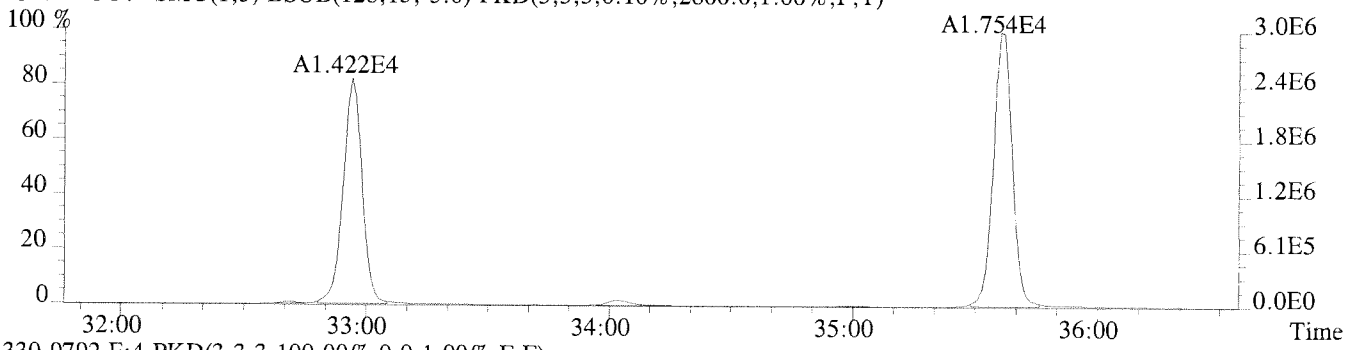
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1140.0,1.00%,F,T)



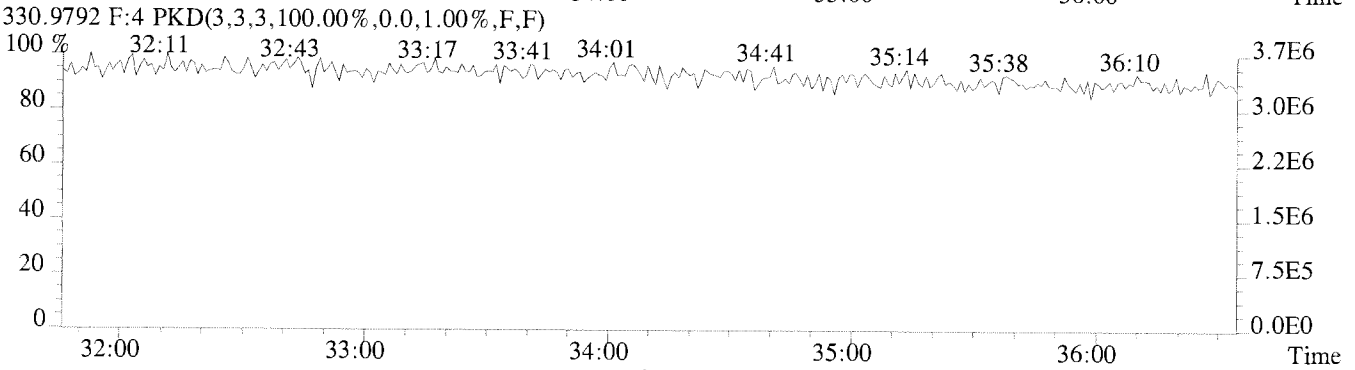
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2984.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2800.0,1.00%,F,T)

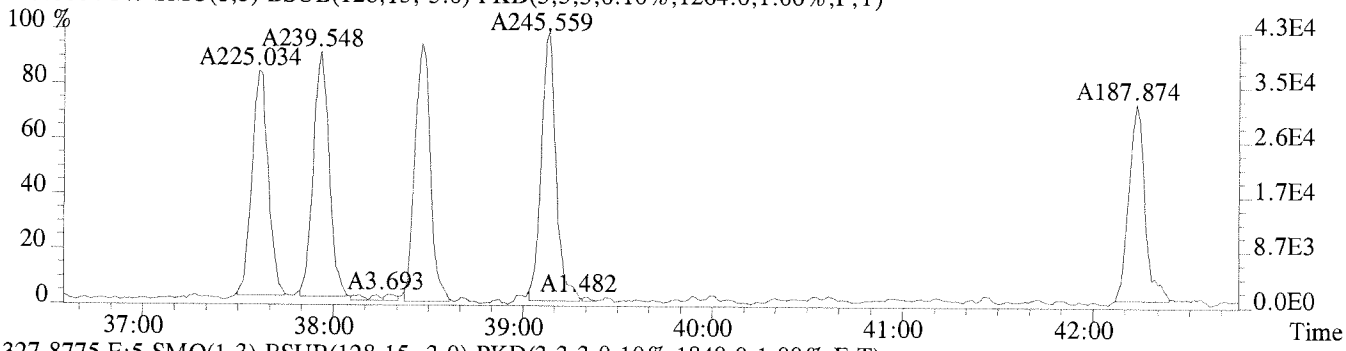


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

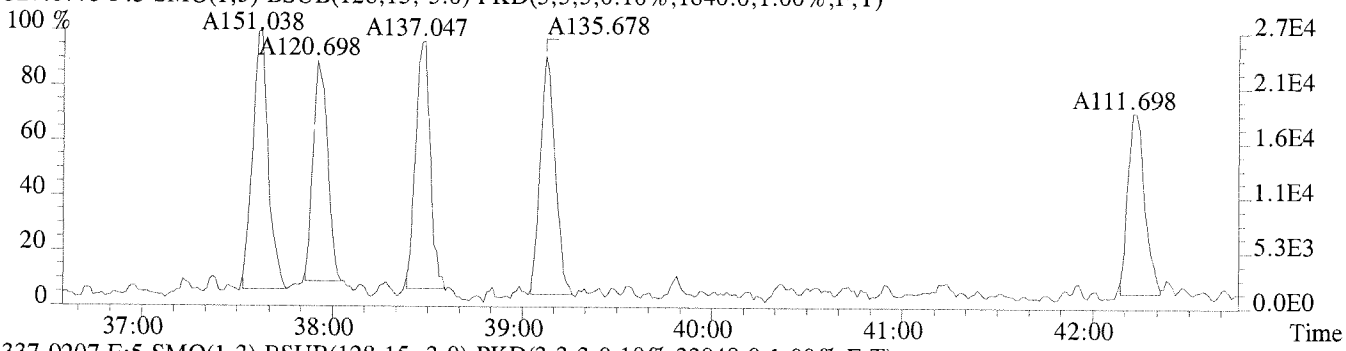


File:U139142 #1-395 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

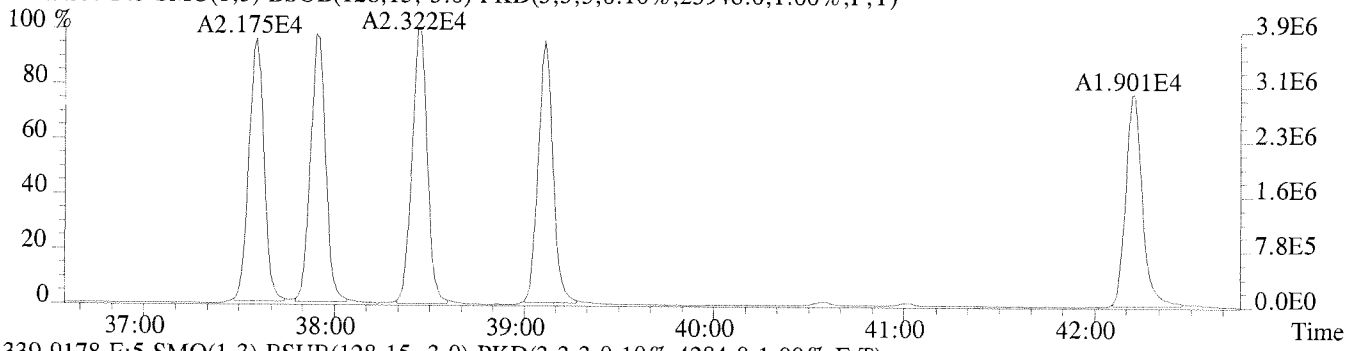
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1264.0,1.00%,F,T)



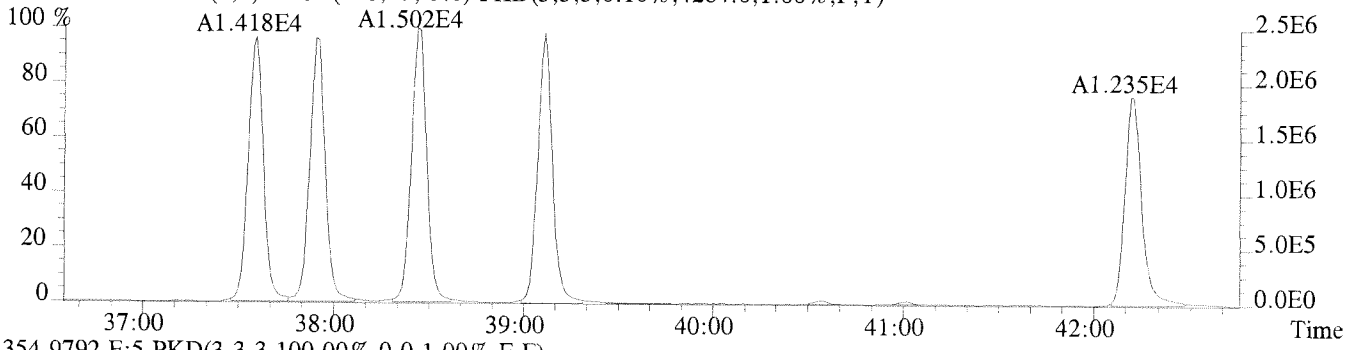
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1840.0,1.00%,F,T)



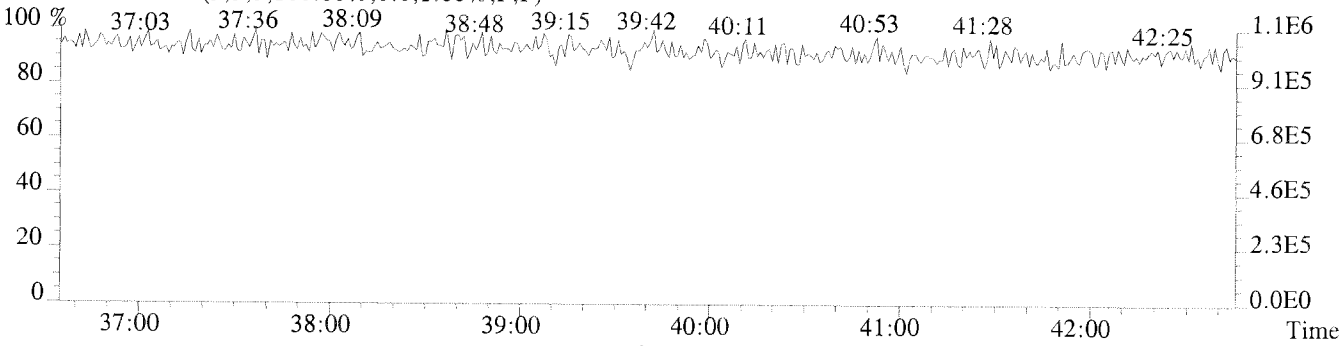
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,23948.0,1.00%,F,T)



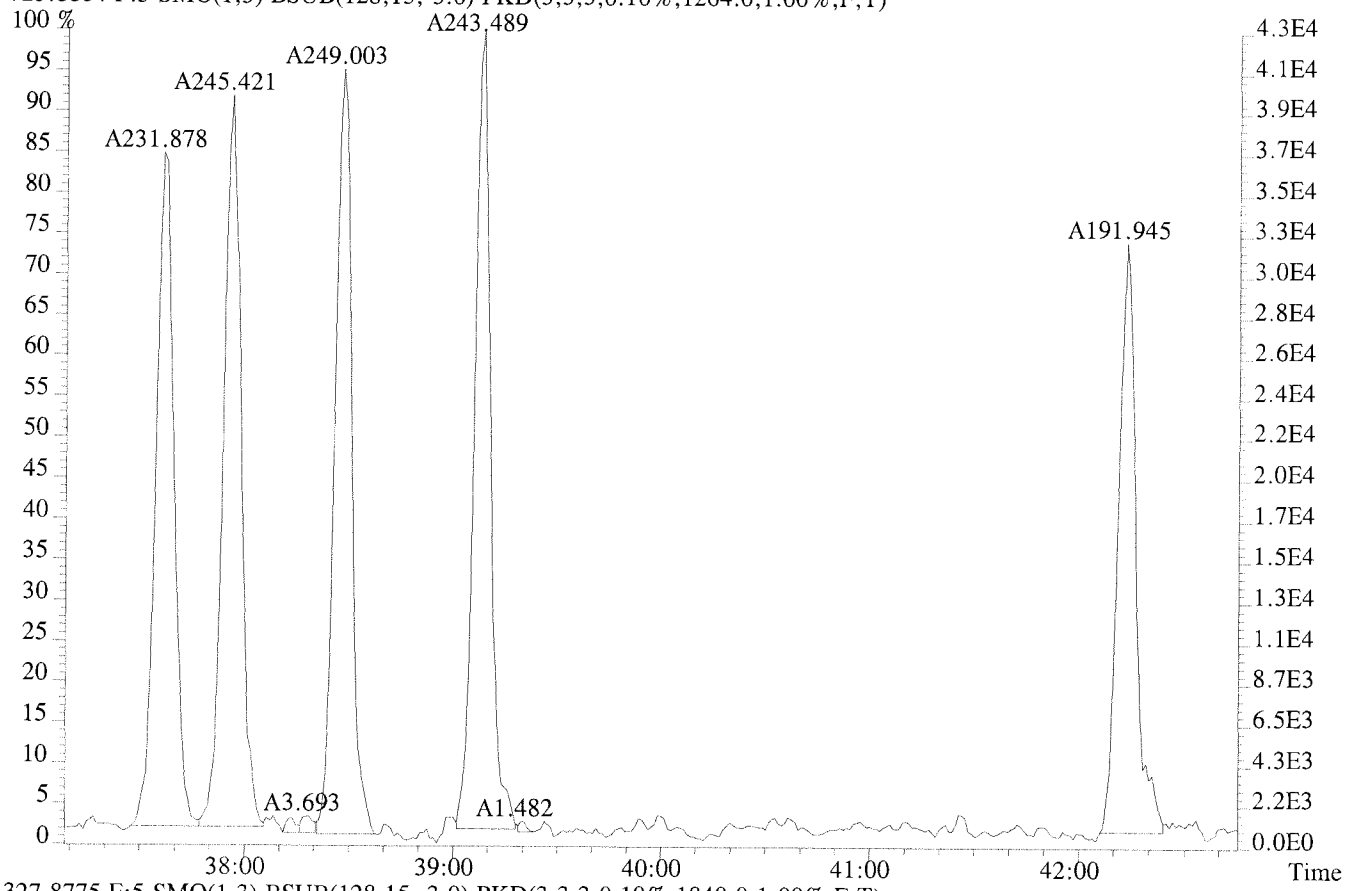
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4284.0,1.00%,F,T)



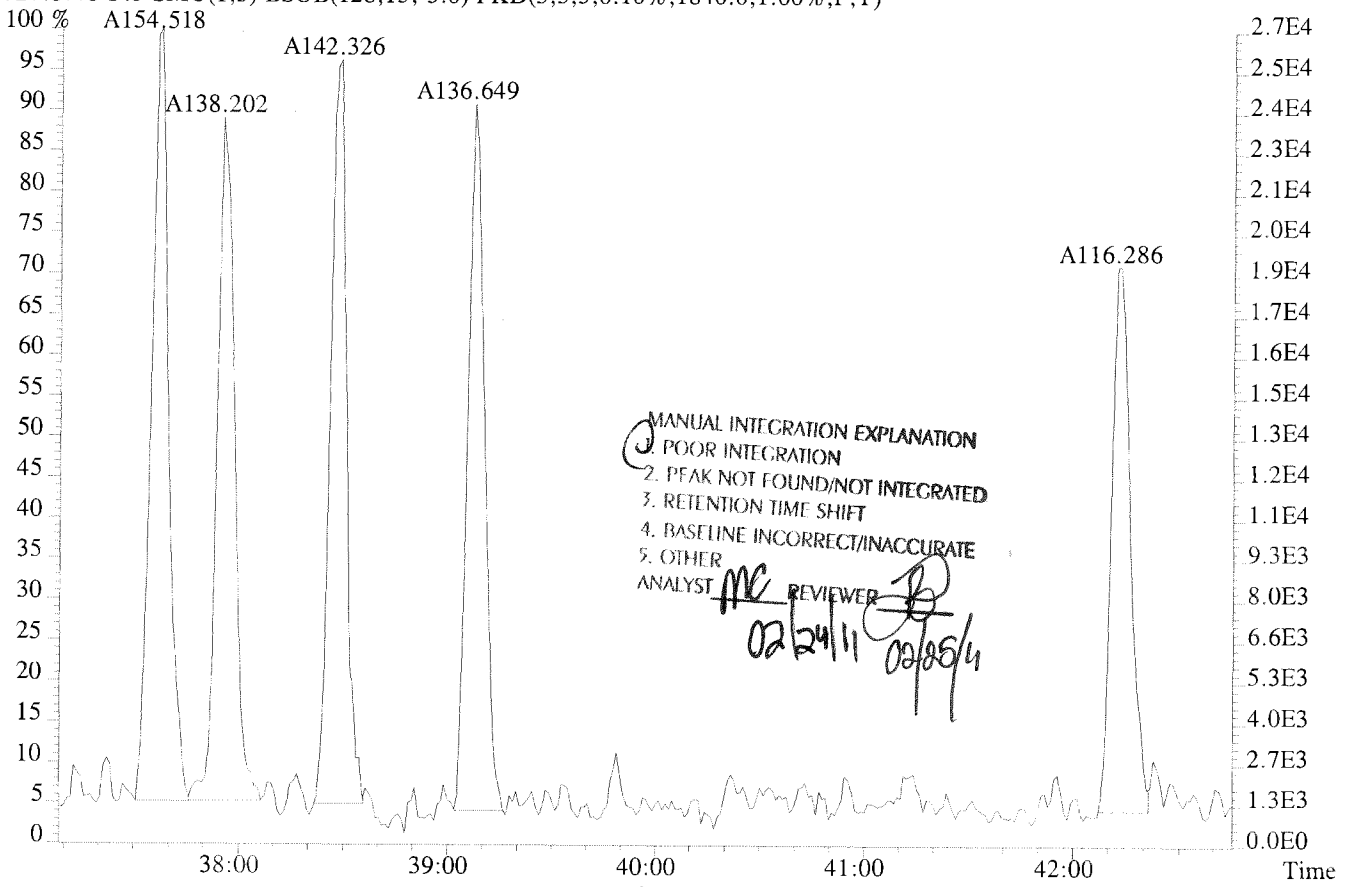
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139142 #1-395 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1264.0,1.00%,F,T)

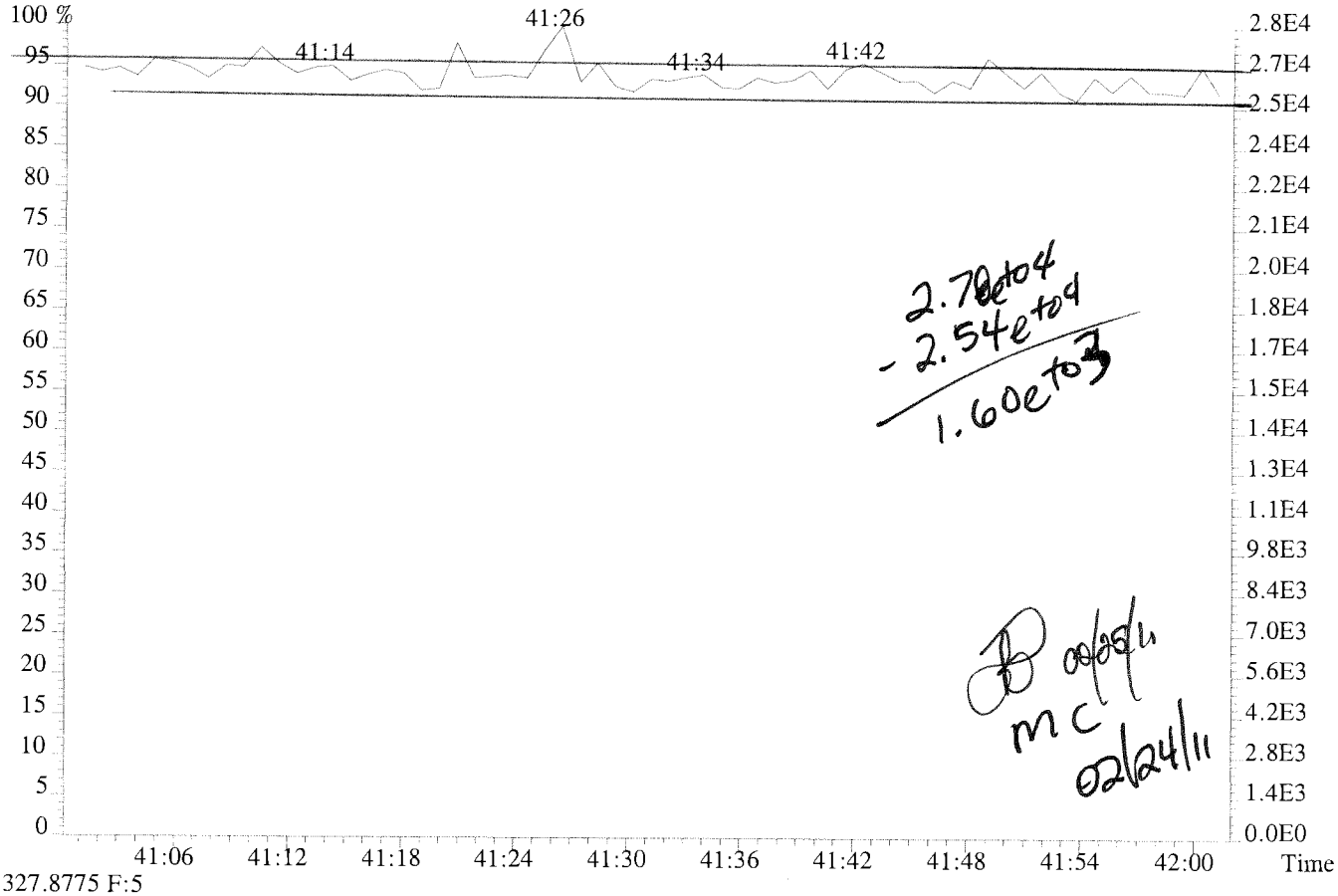


327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1840.0,1.00%,F,T)

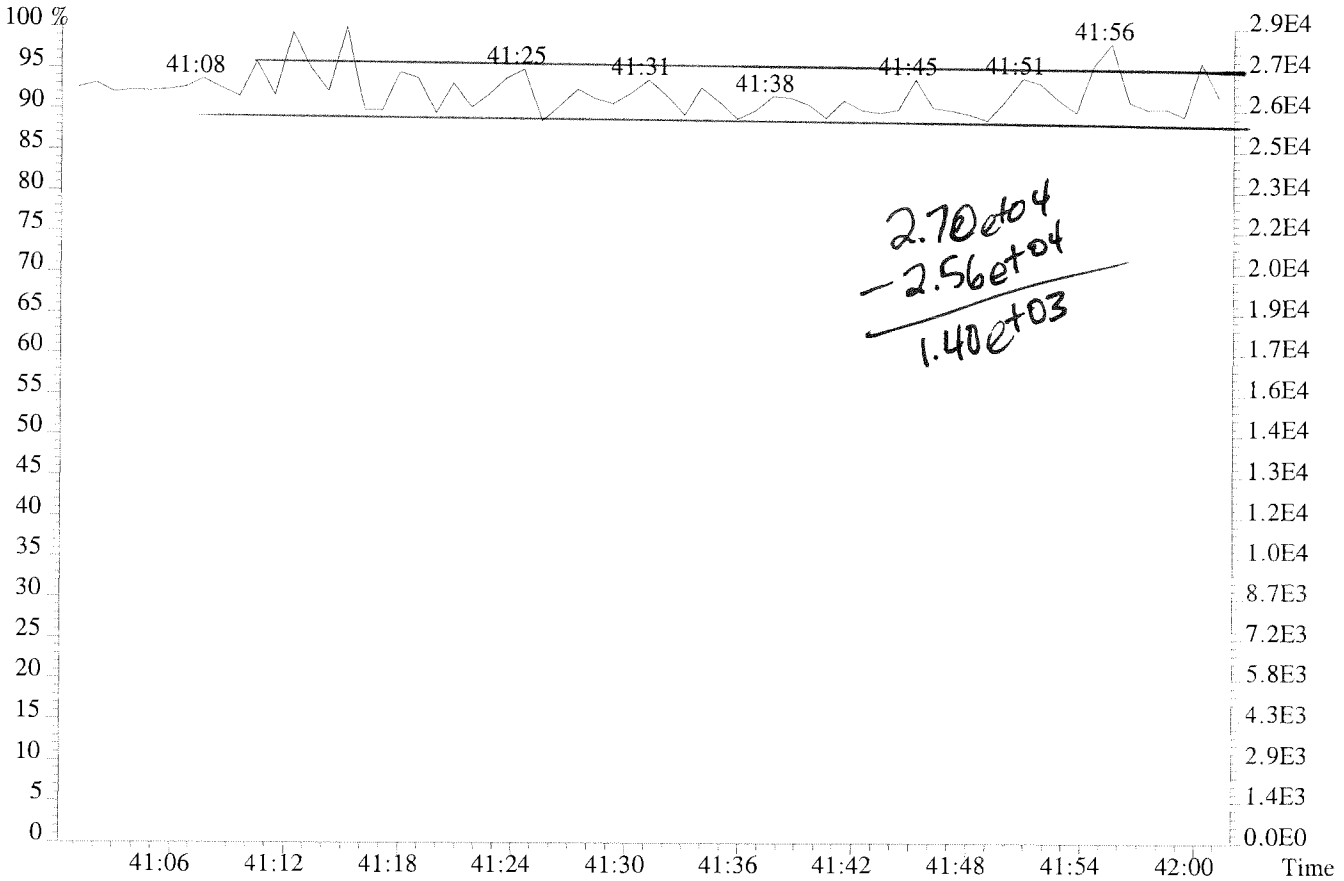


MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/24/11 02/25/11

File:U139142 #1-395 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
325.8804 F:5

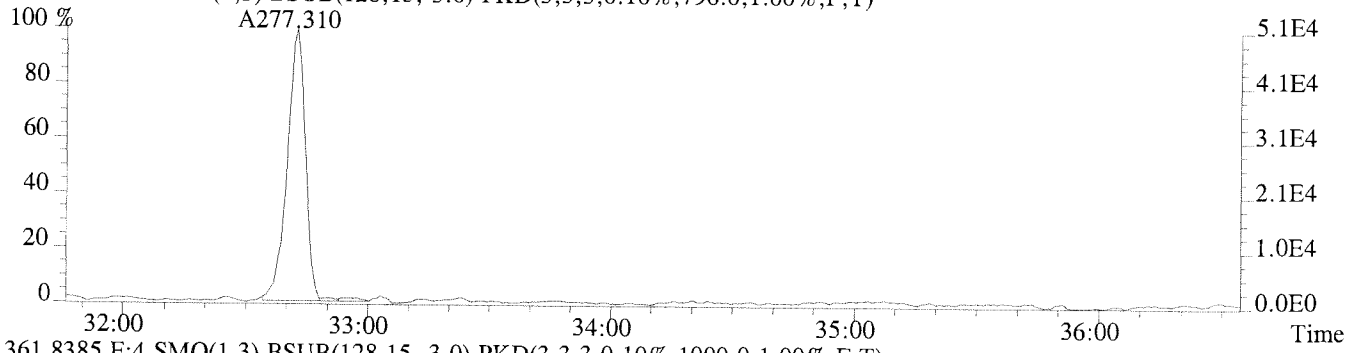


327.8775 F:5

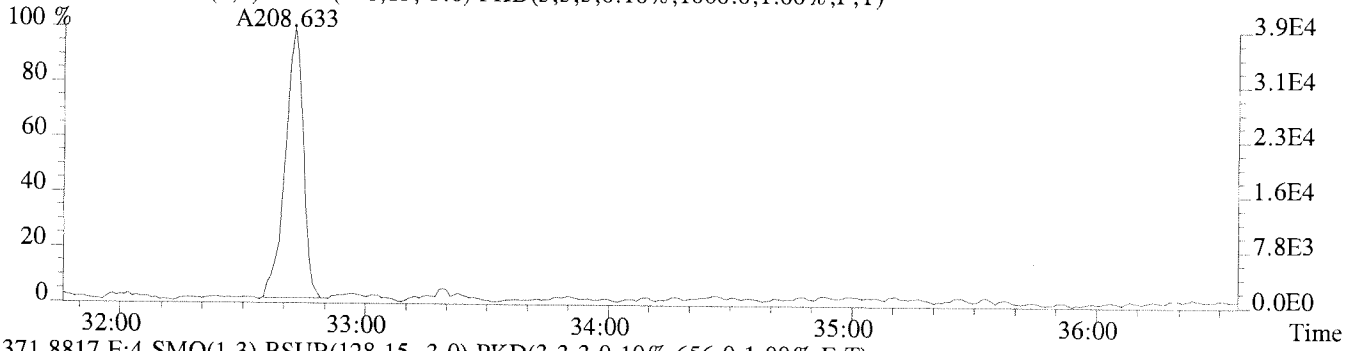


File:U139142 #1-308 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

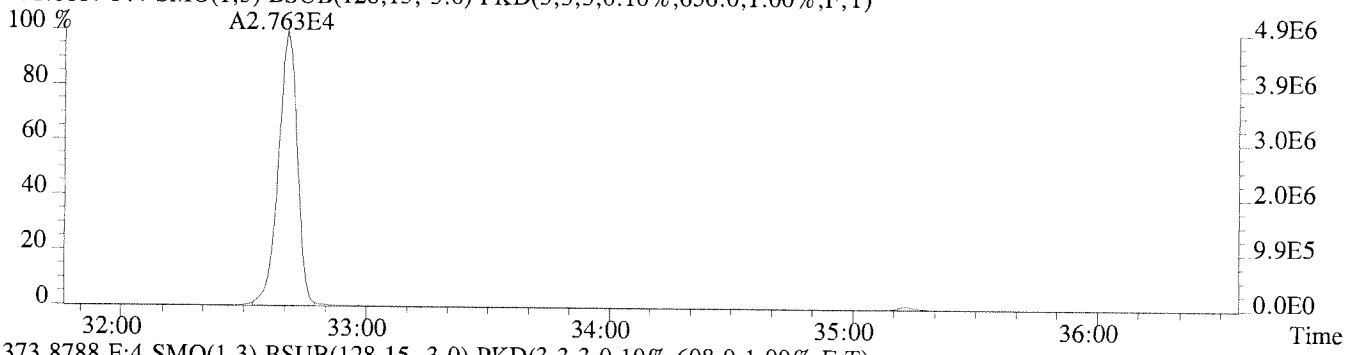
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)



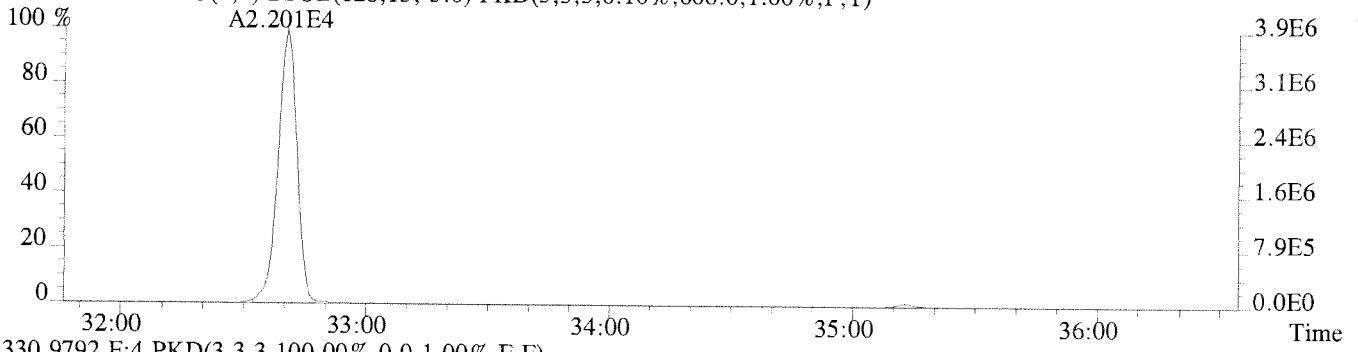
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



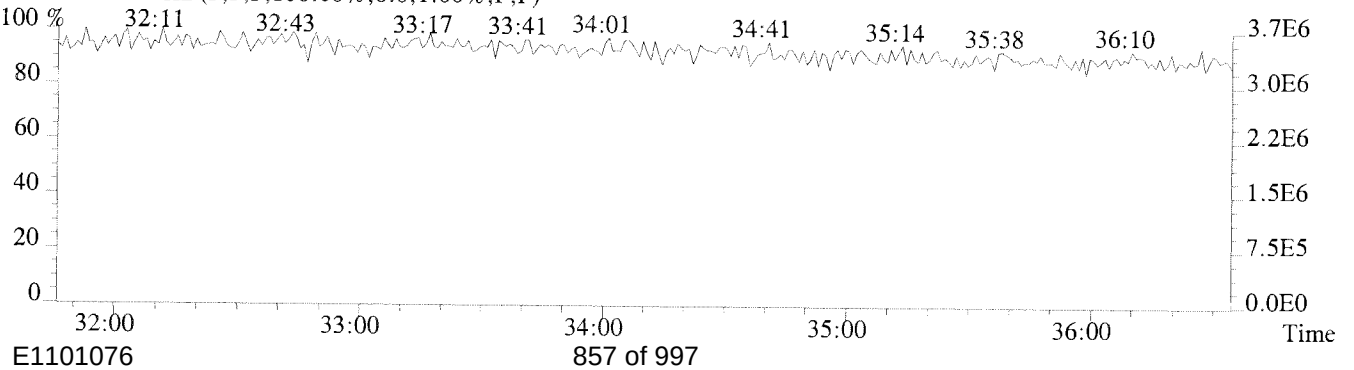
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,656.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,608.0,1.00%,F,T)

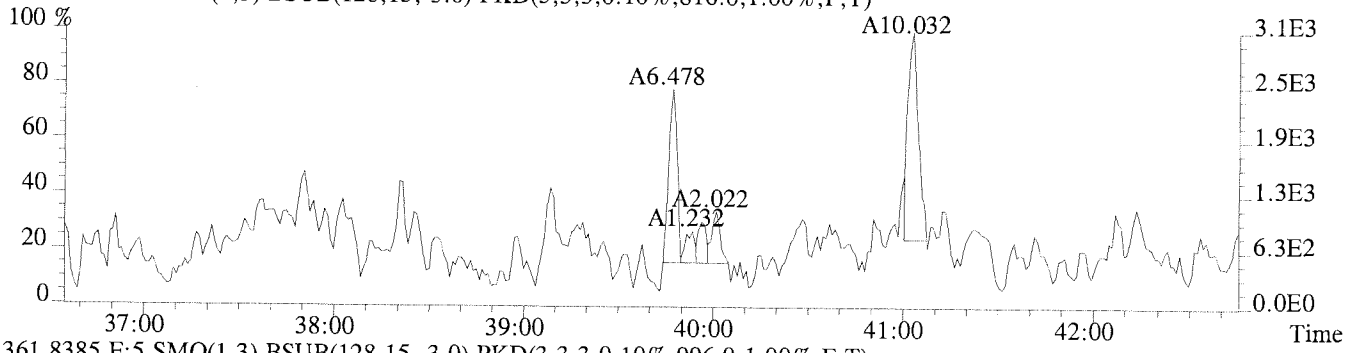


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

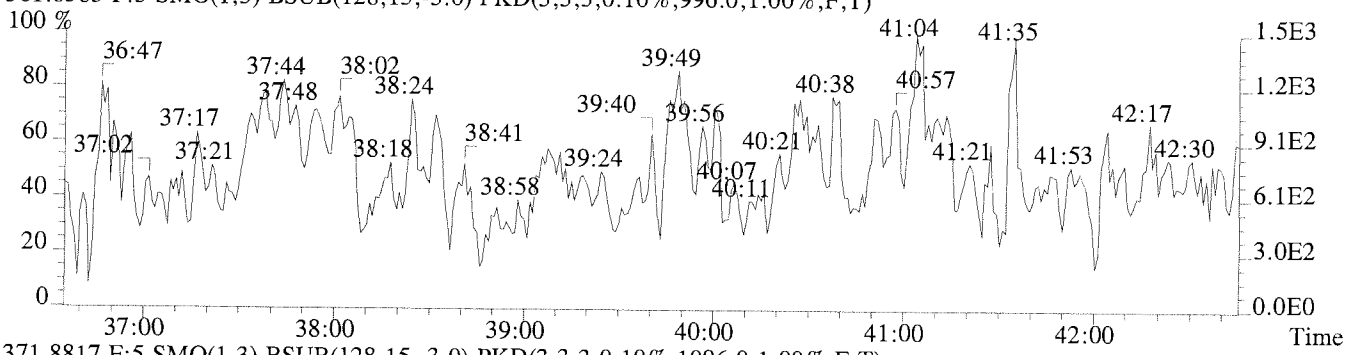


File:U139142 #1-395 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

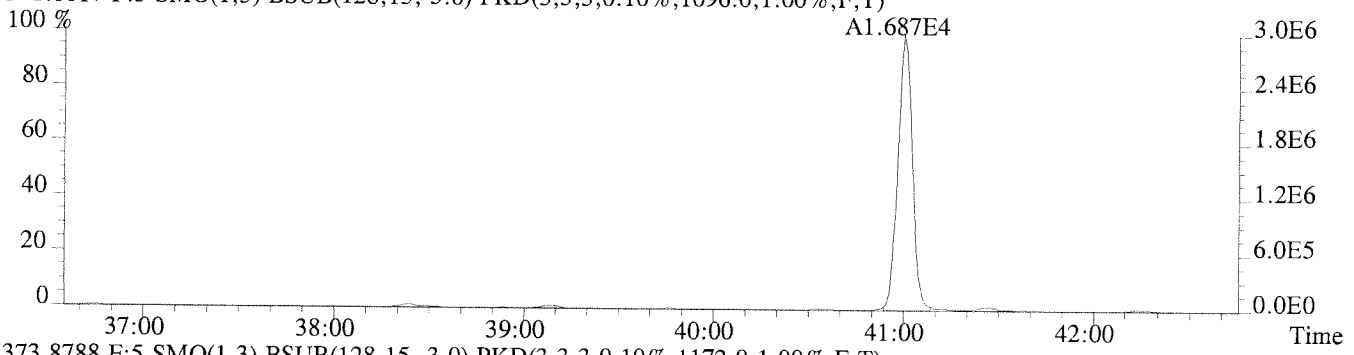
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,816.0,1.00%,F,T)



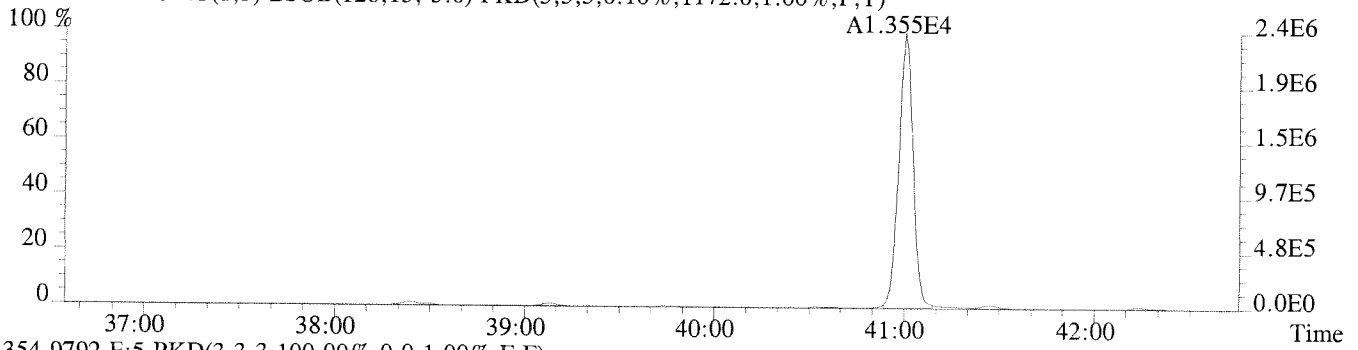
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)



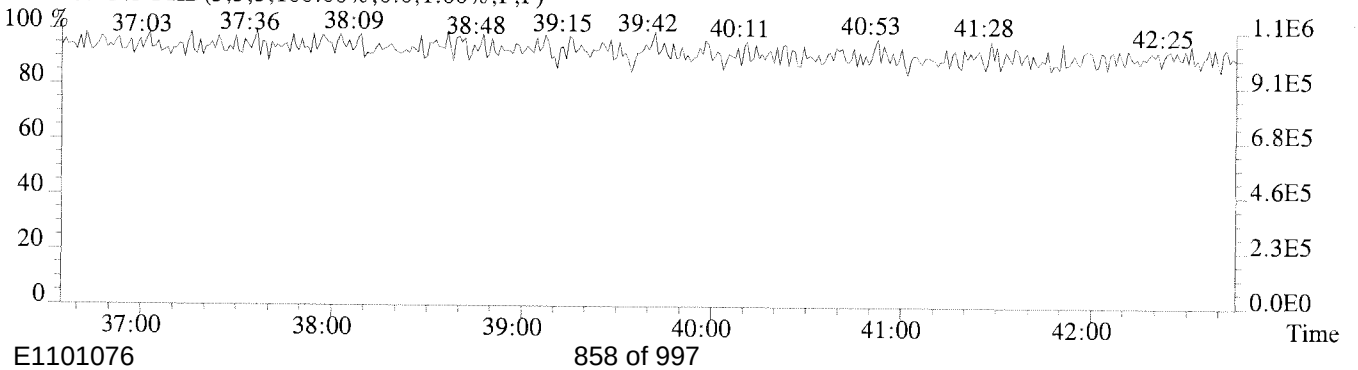
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1096.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1172.0,1.00%,F,T)

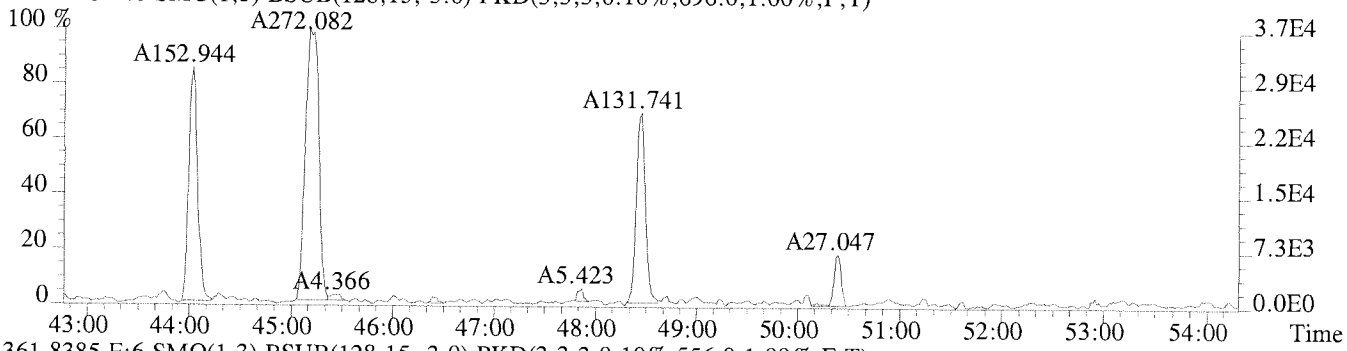


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

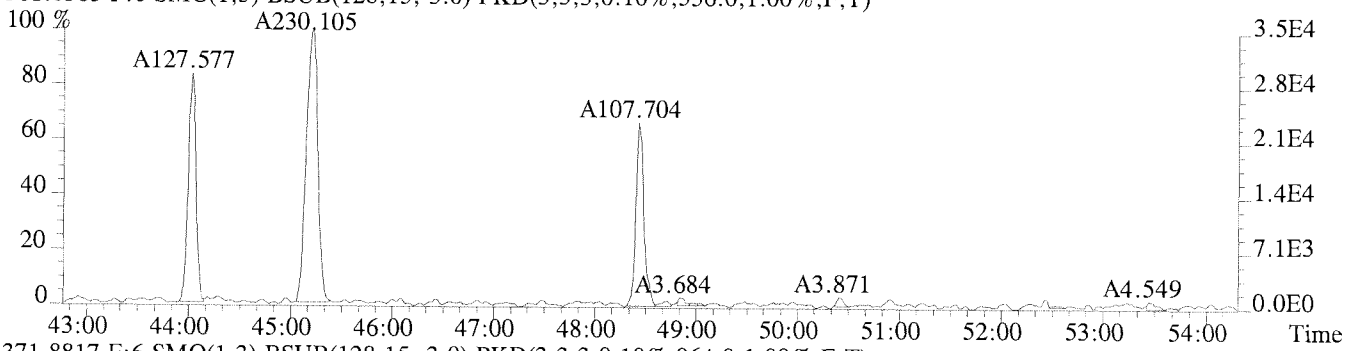


File:U139142 #1-572 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

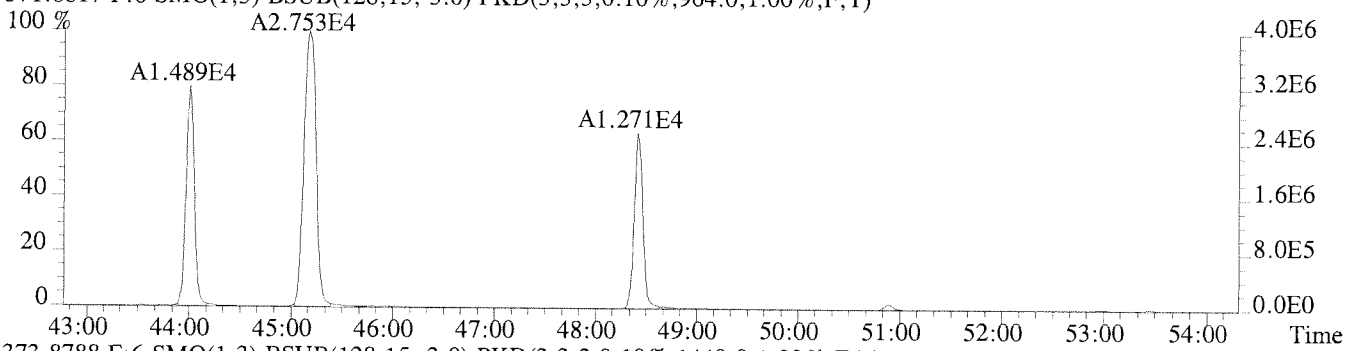
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,696.0,1.00%,F,T)



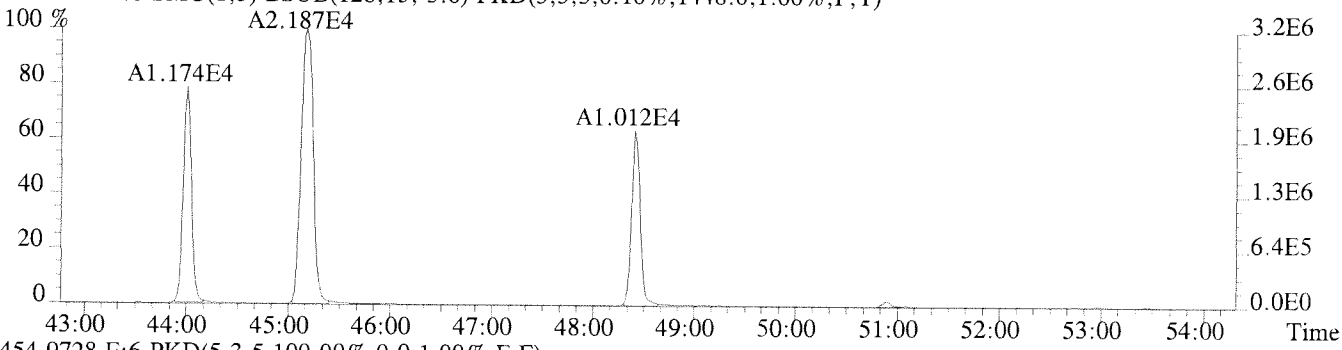
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,556.0,1.00%,F,T)



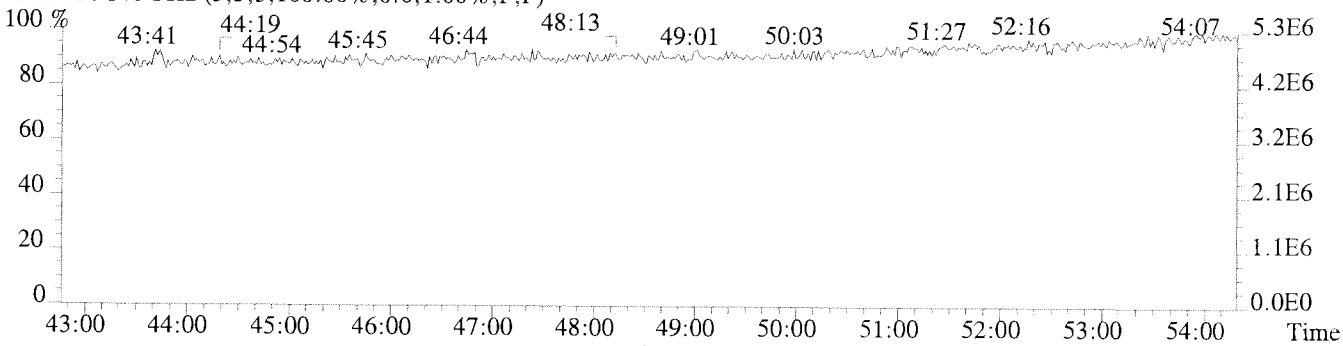
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1448.0,1.00%,F,T)

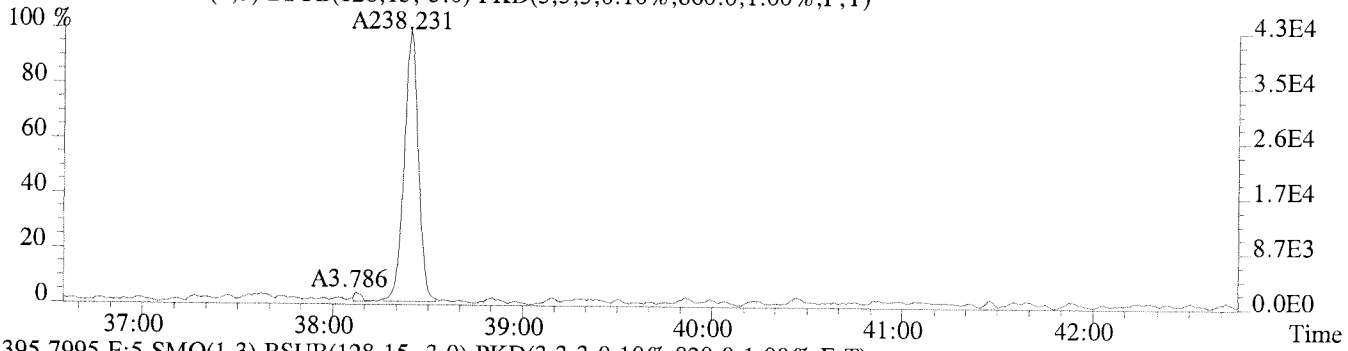


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

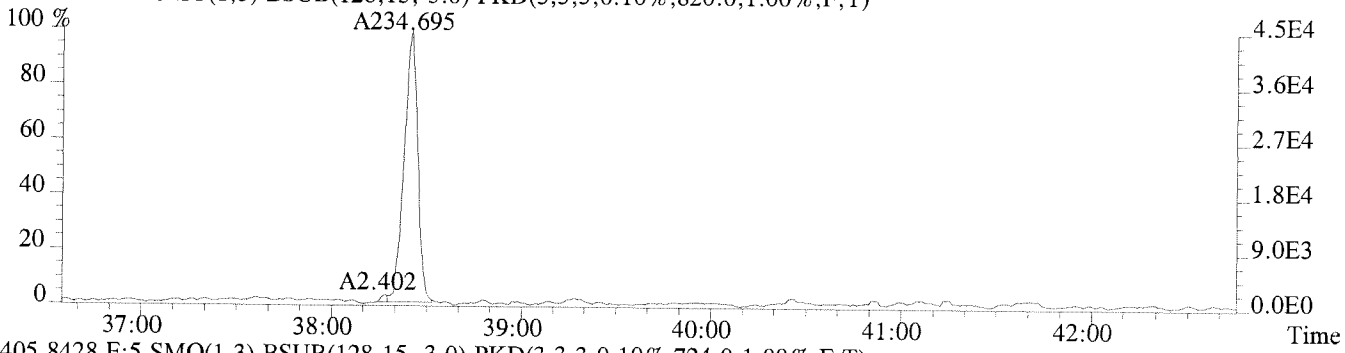


File:U139142 #1-395 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

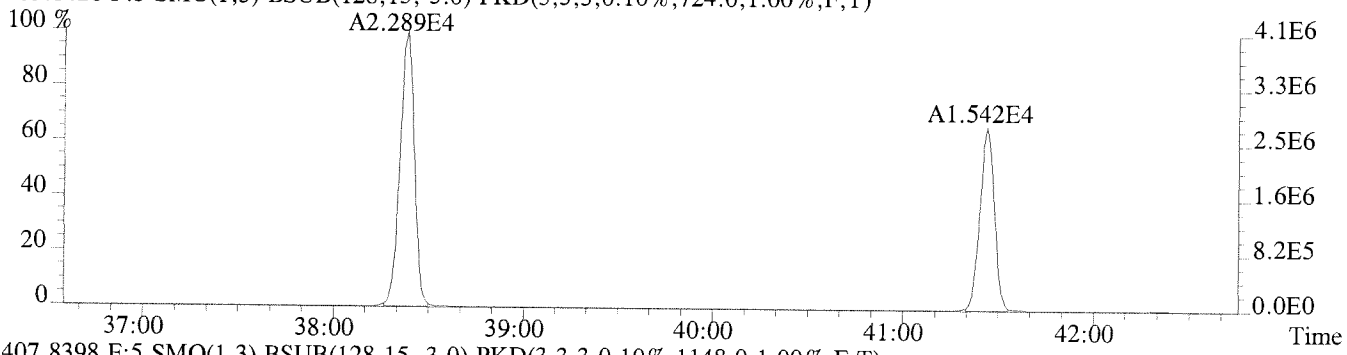
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)



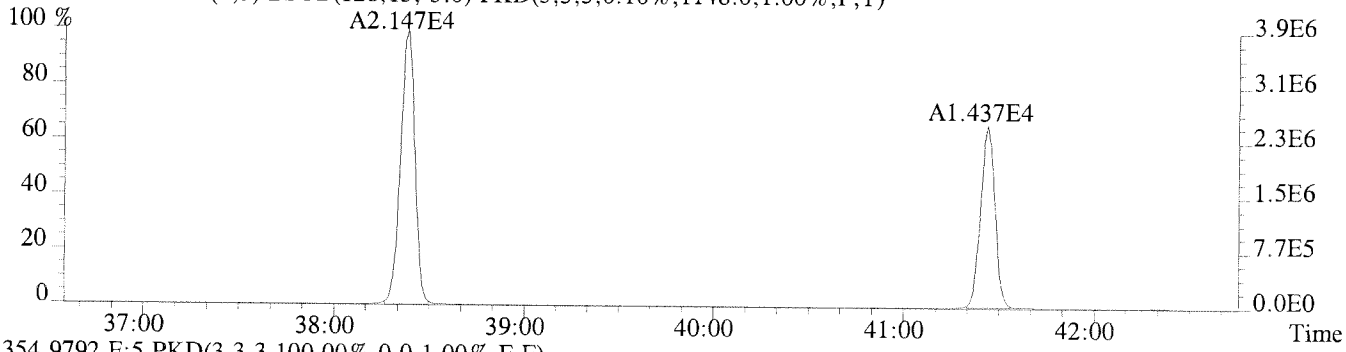
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



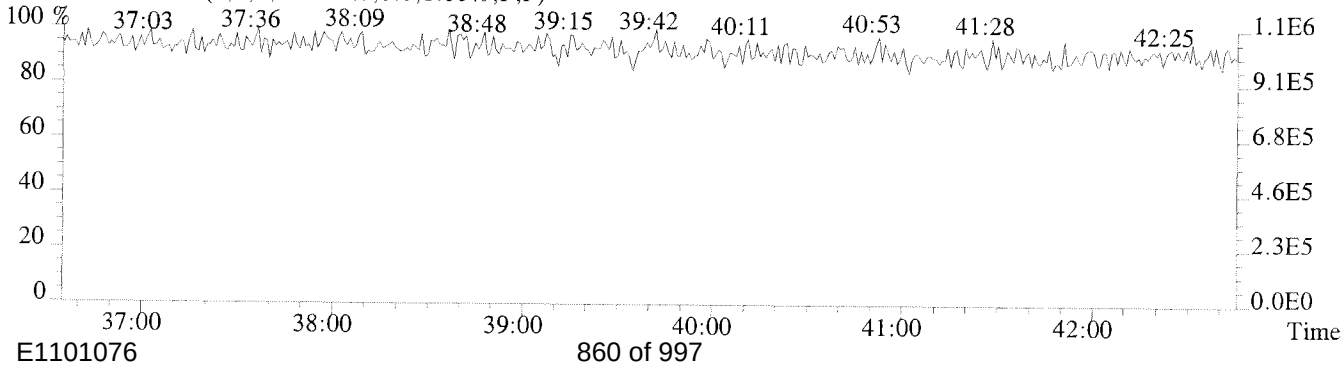
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)

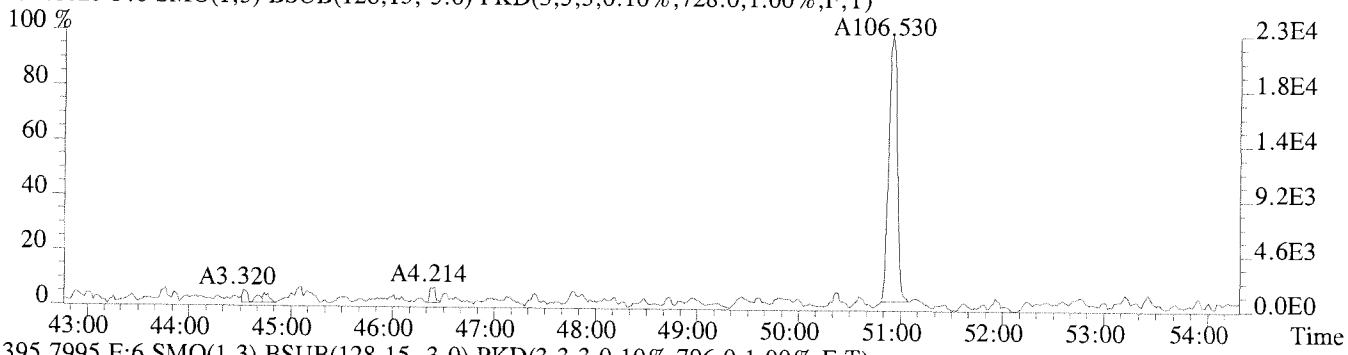


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

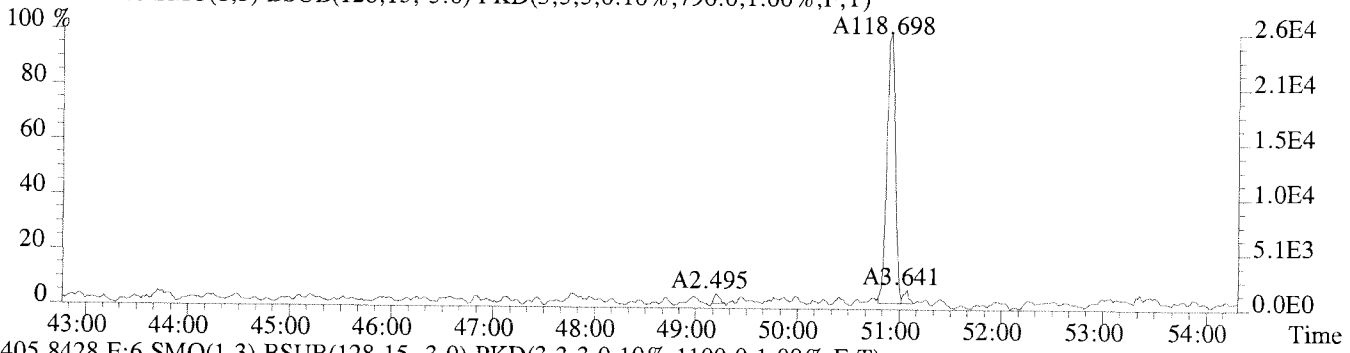


File:U139142 #1-572 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

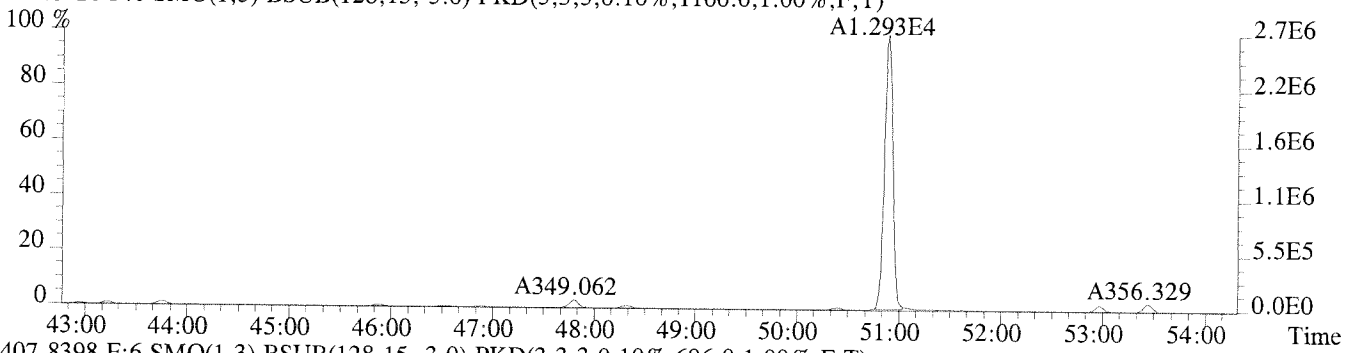
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,728.0,1.00%,F,T)



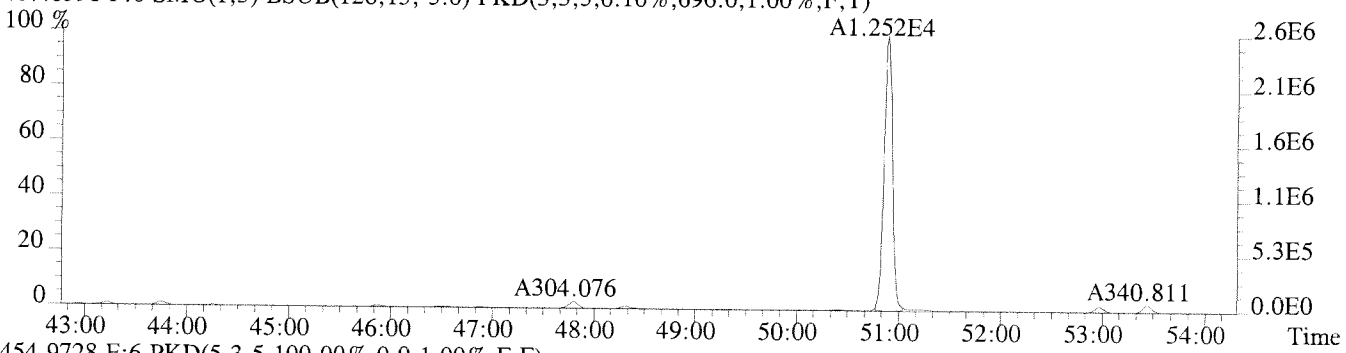
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)



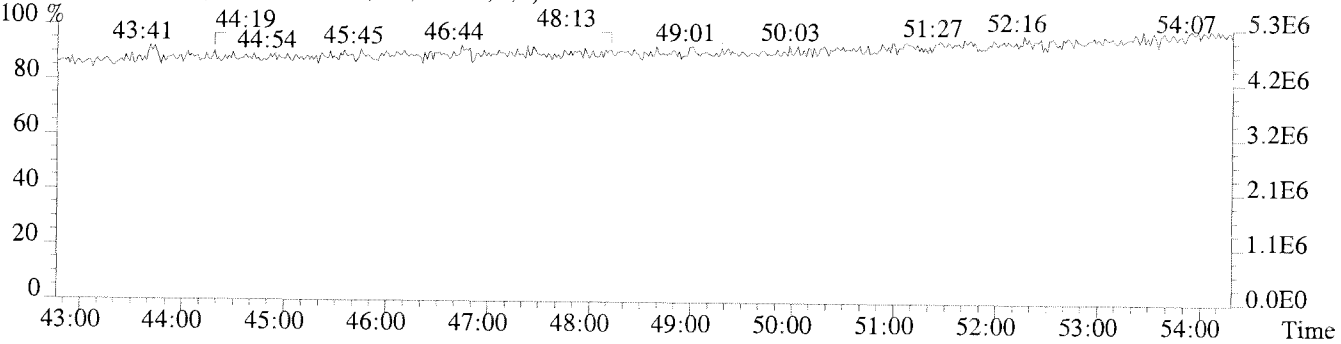
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1100.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,696.0,1.00%,F,T)

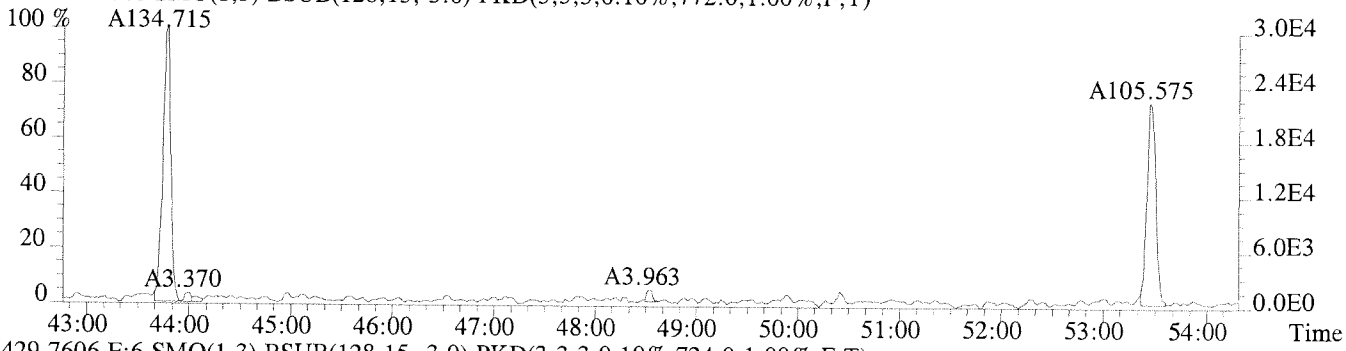


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

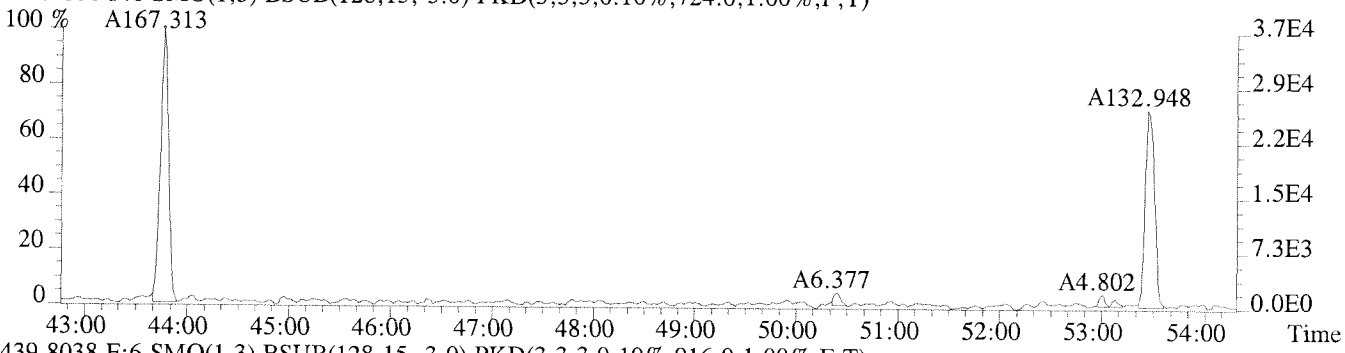


File:U139142 #1-572 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

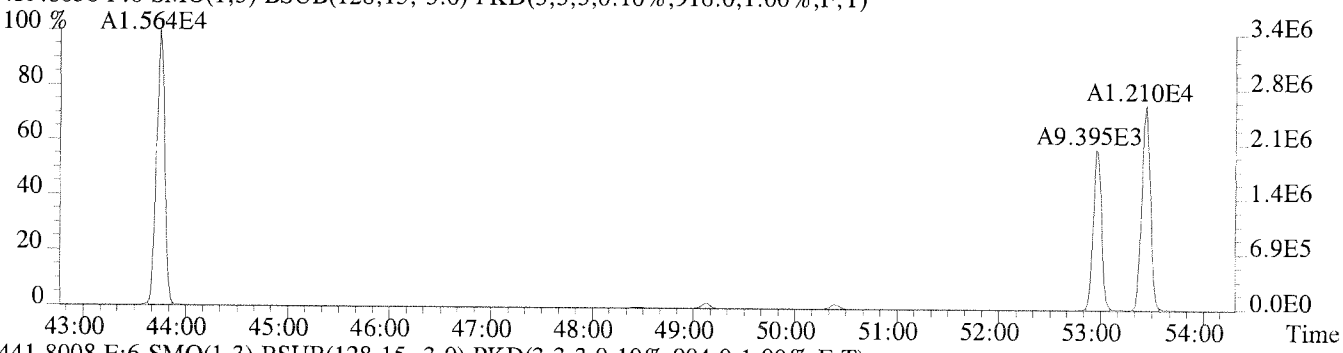
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,772.0,1.00%,F,T)



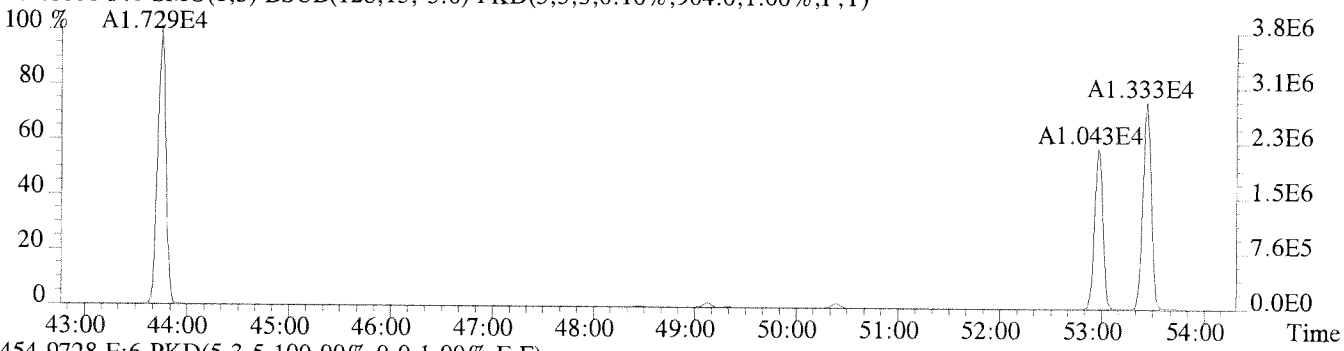
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)



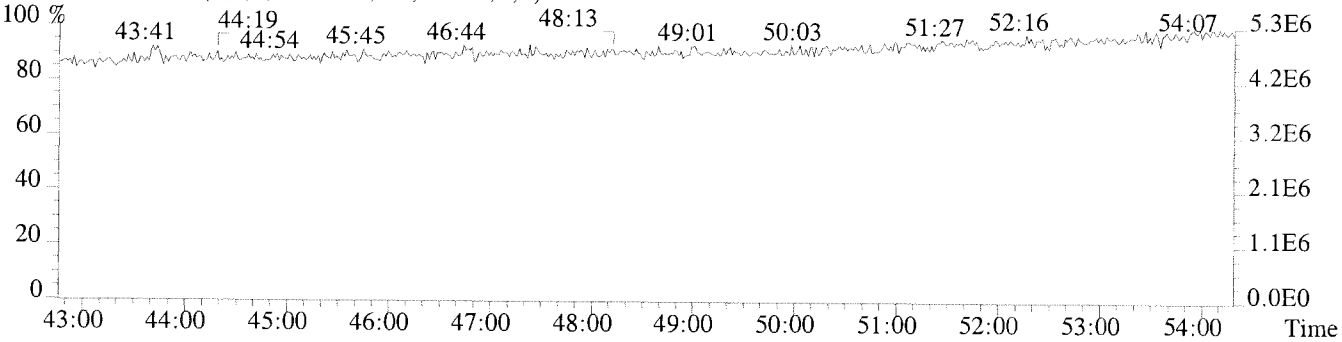
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,916.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)

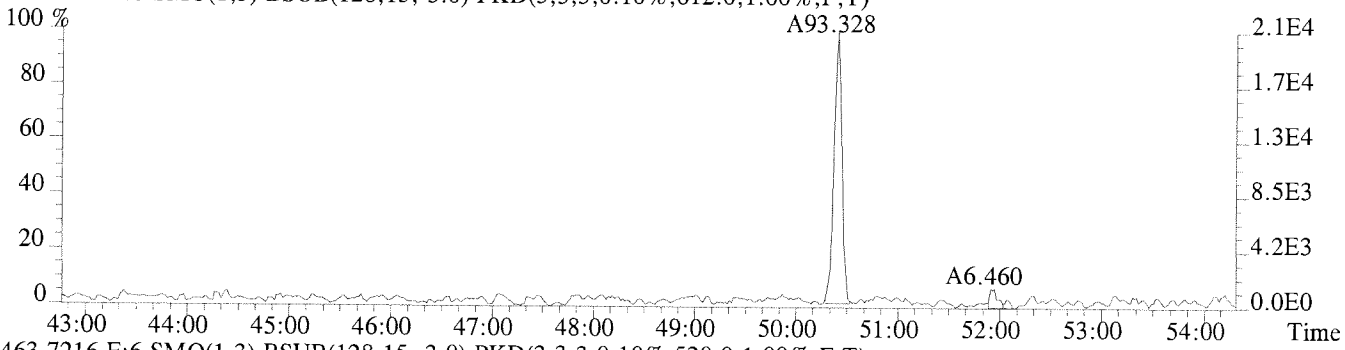


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

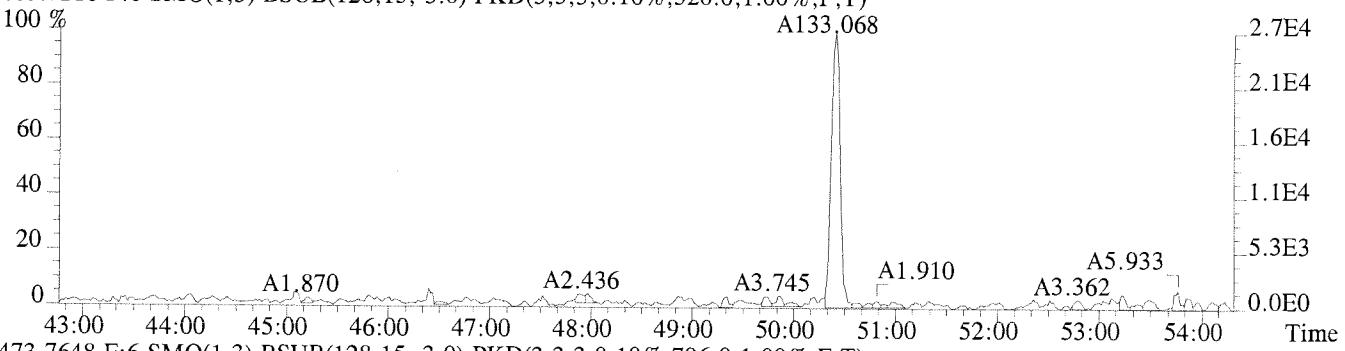


File:U139142 #1-572 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

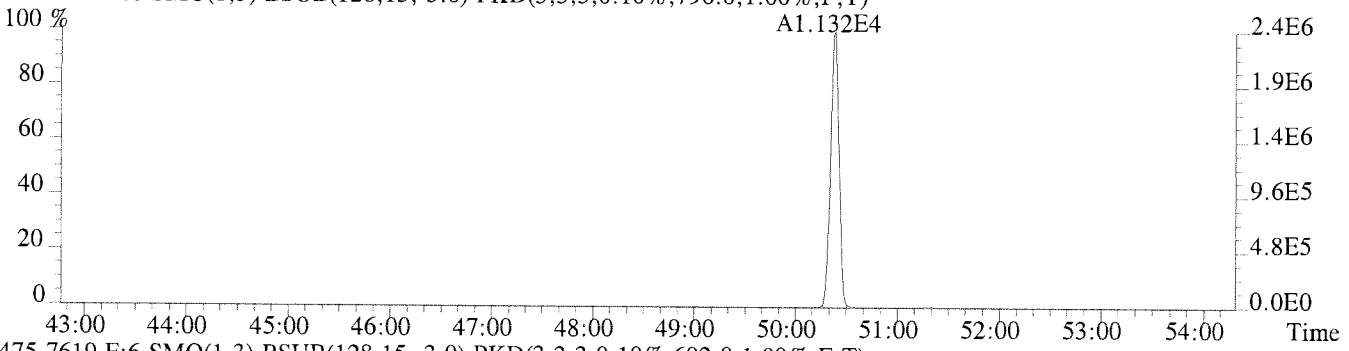
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,612.0,1.00%,F,T)



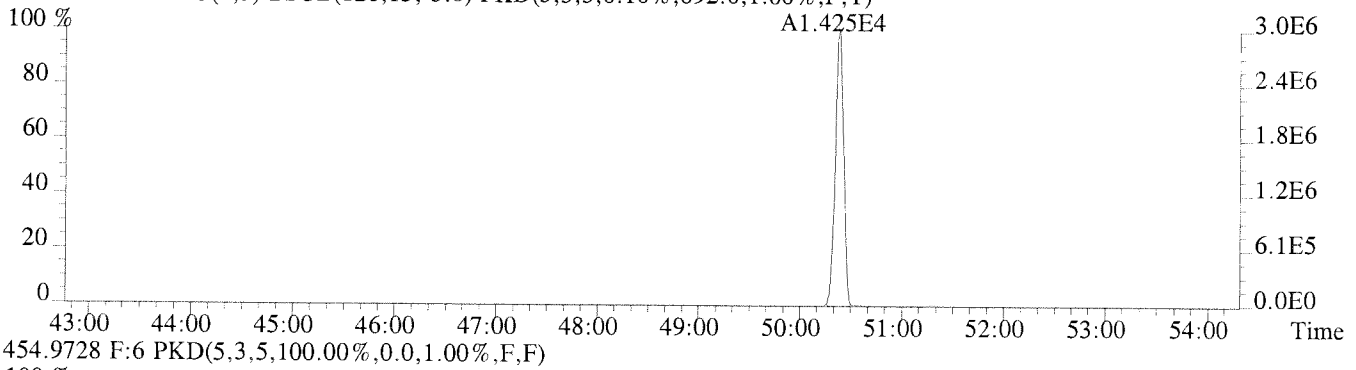
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,520.0,1.00%,F,T)



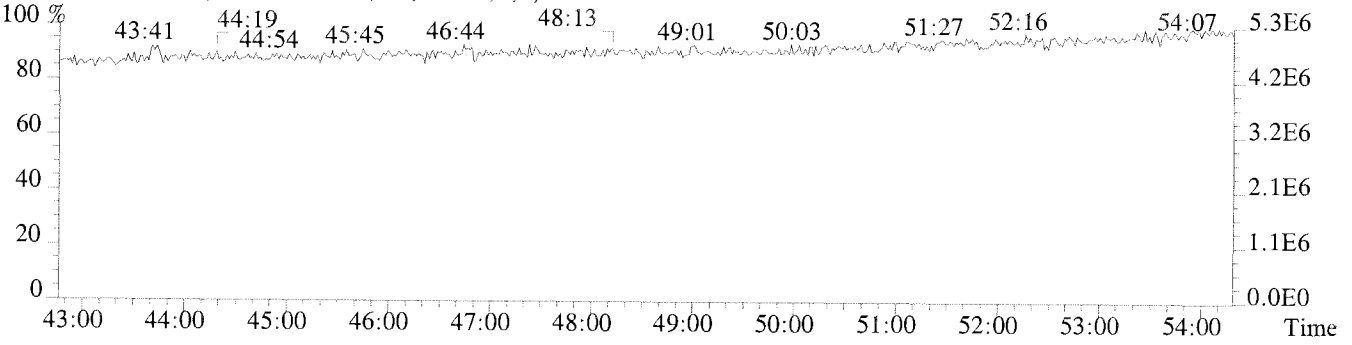
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,796.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,692.0,1.00%,F,T)

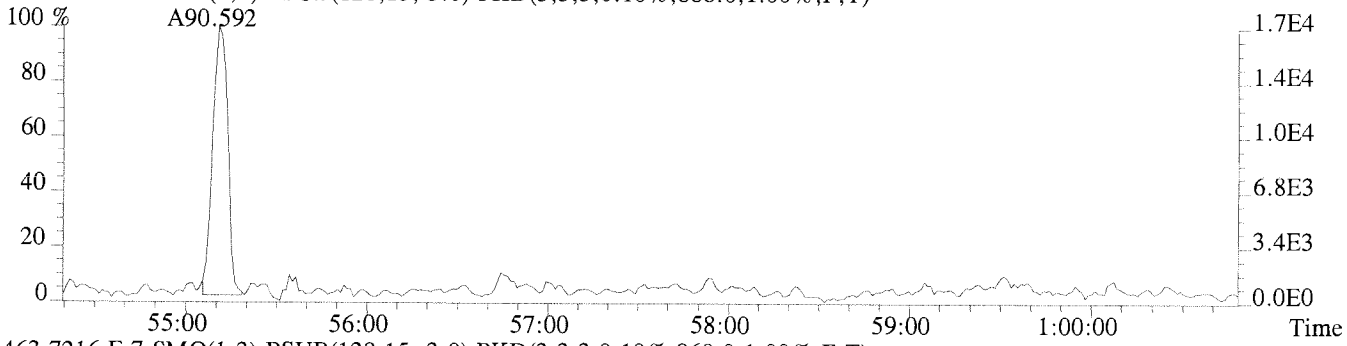


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

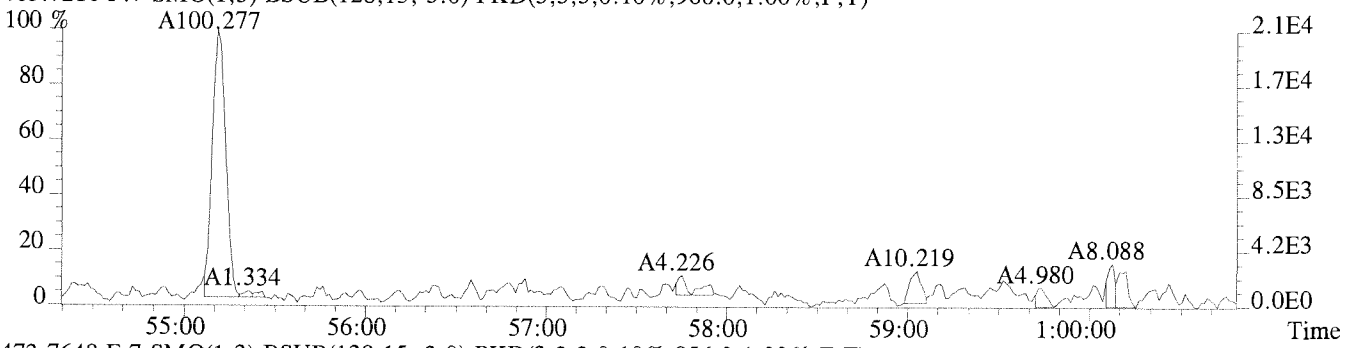


File:U139142 #1-366 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

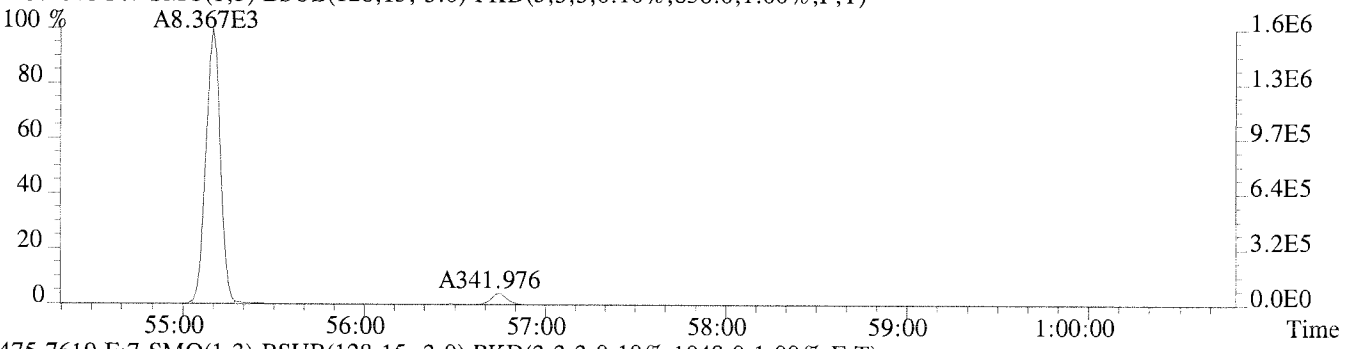
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,888.0,1.00%,F,T)



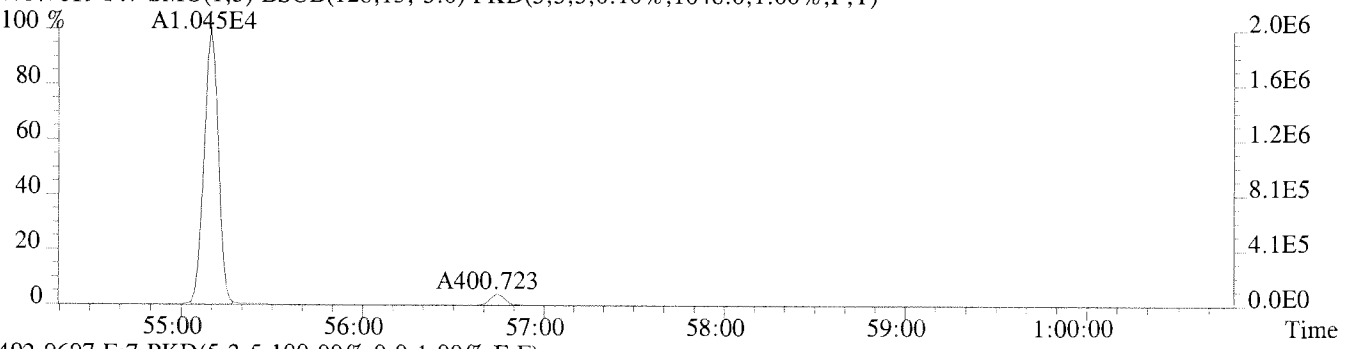
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



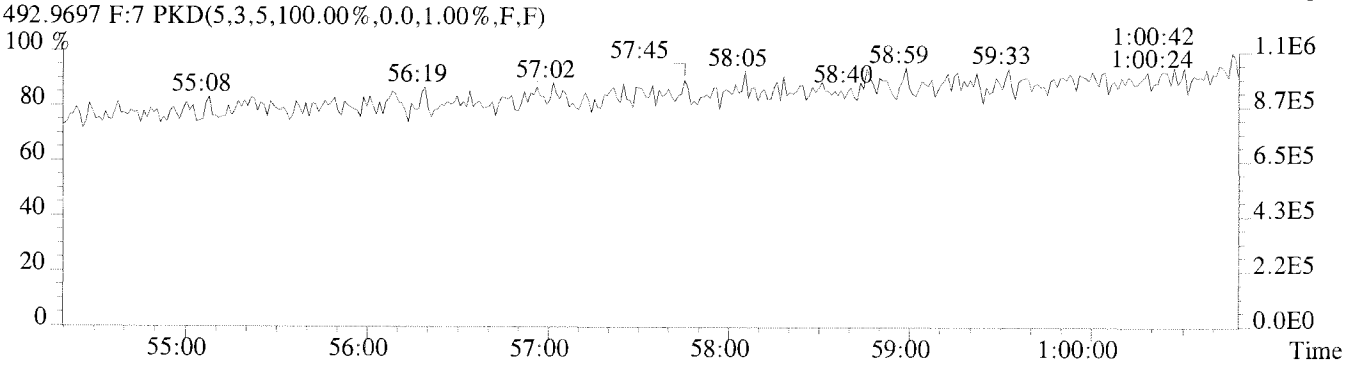
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,856.0,1.00%,F,T)



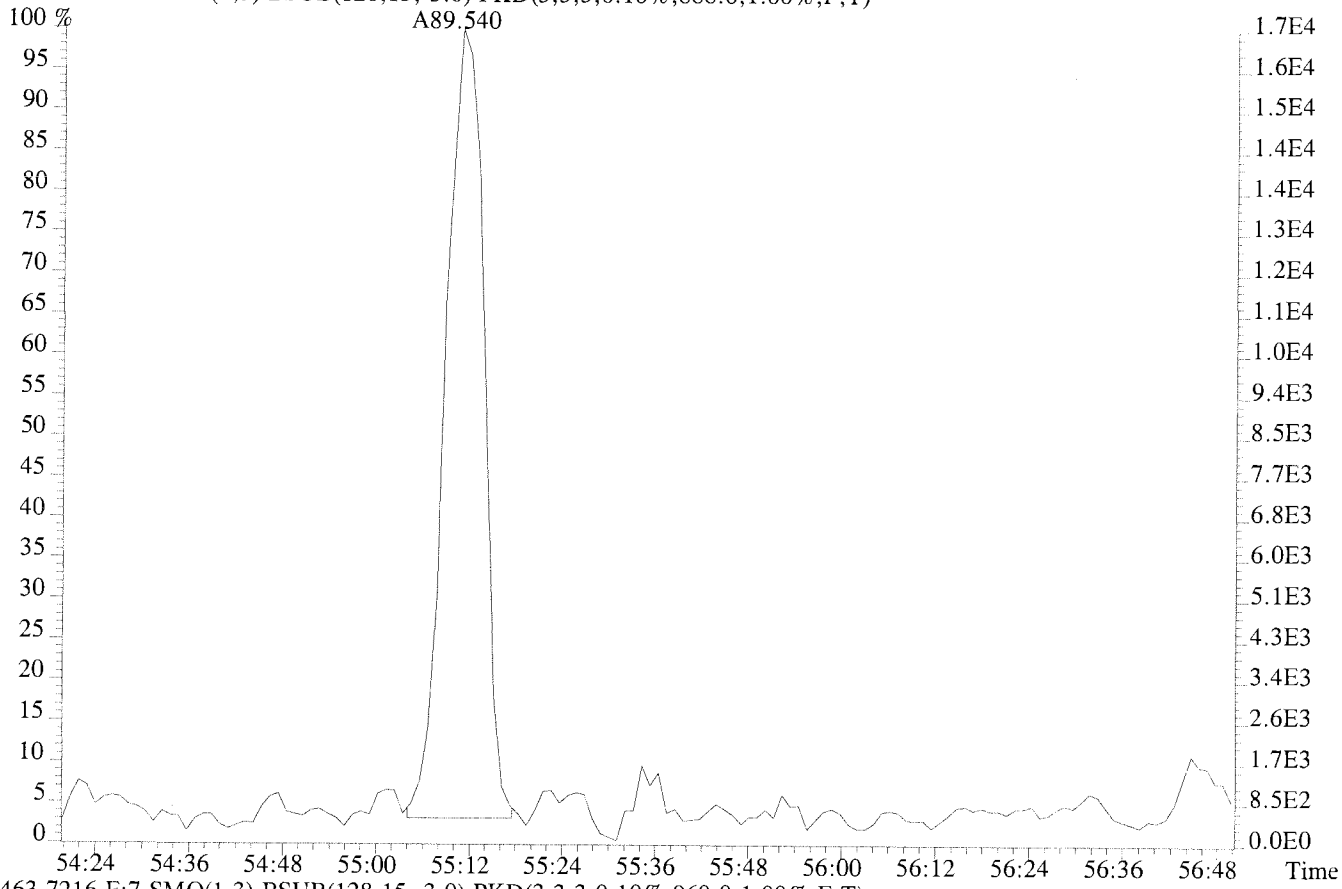
475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1048.0,1.00%,F,T)



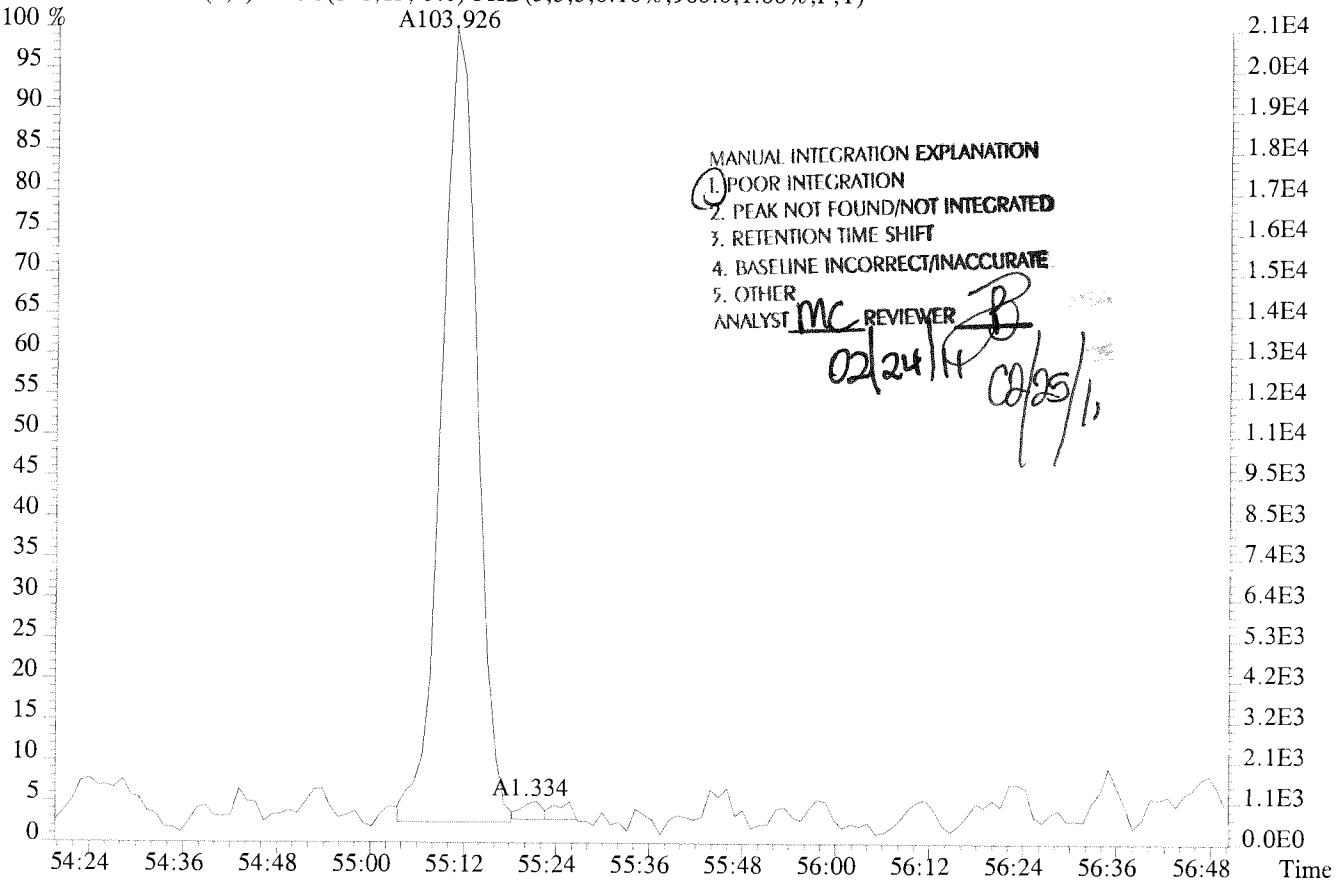
492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



File:U139142 #1-366 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,888.0,1.00%,F,T)



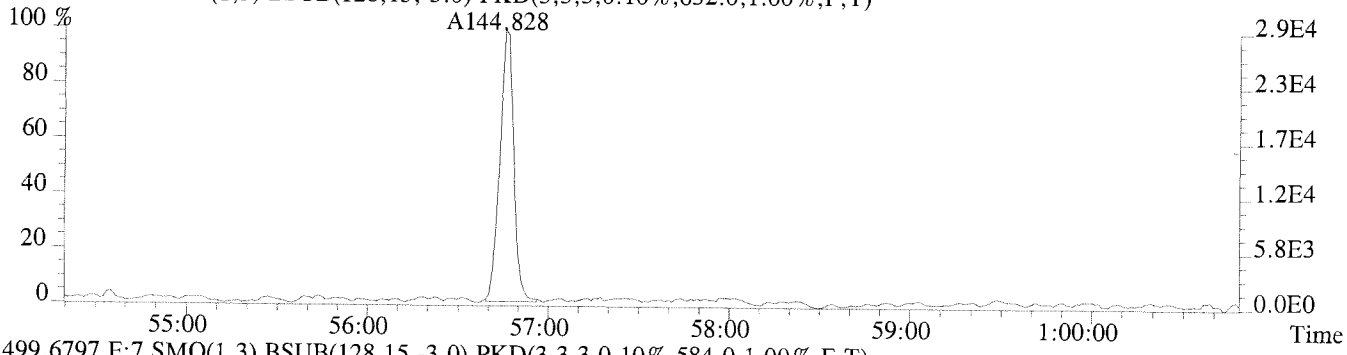
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



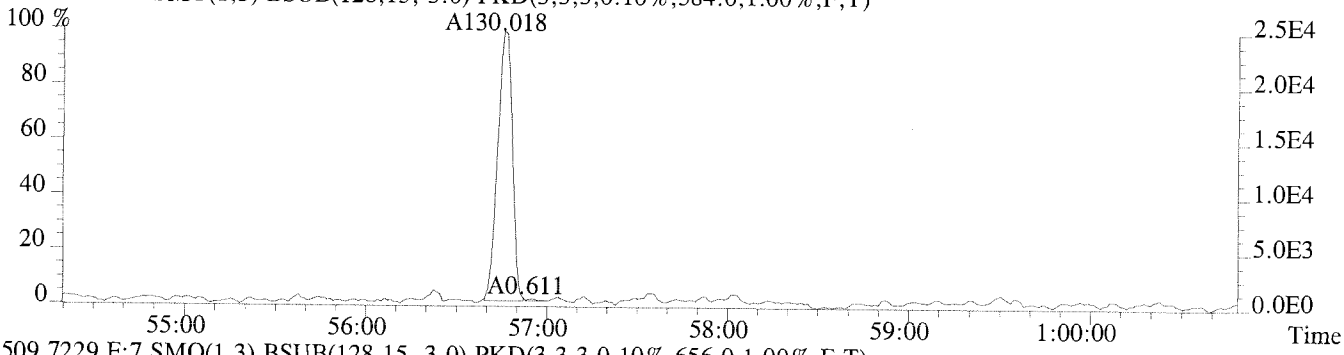
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/24/14 02/25/14

File:U139142 #1-366 Acq:23-FEB-2011 13:25:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS1

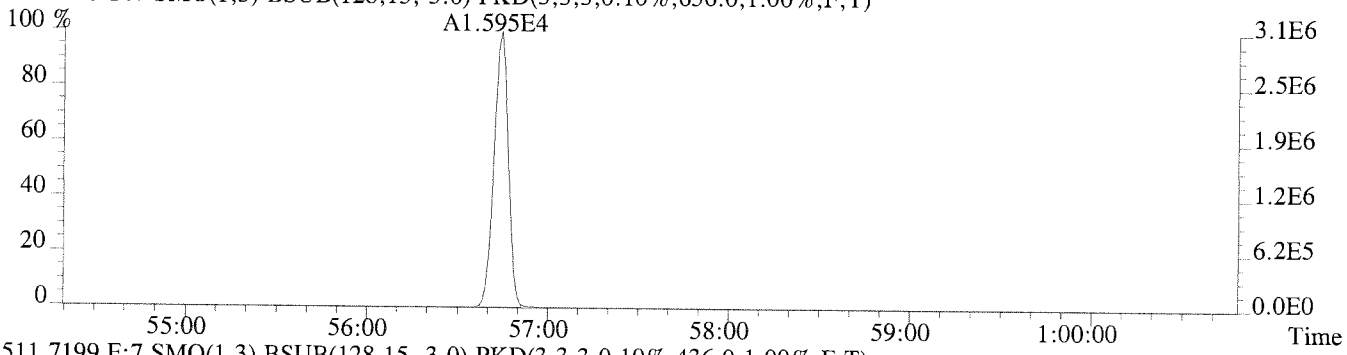
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,632.0,1.00%,F,T)



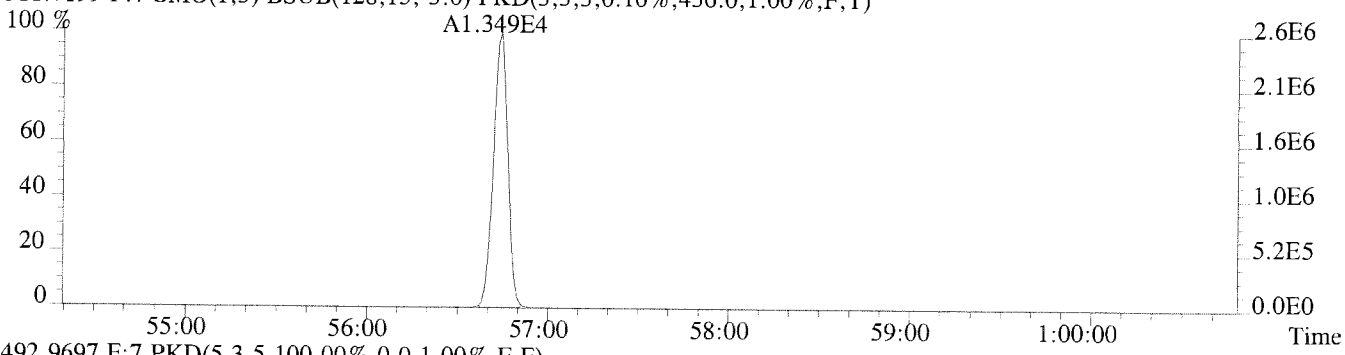
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,584.0,1.00%,F,T)



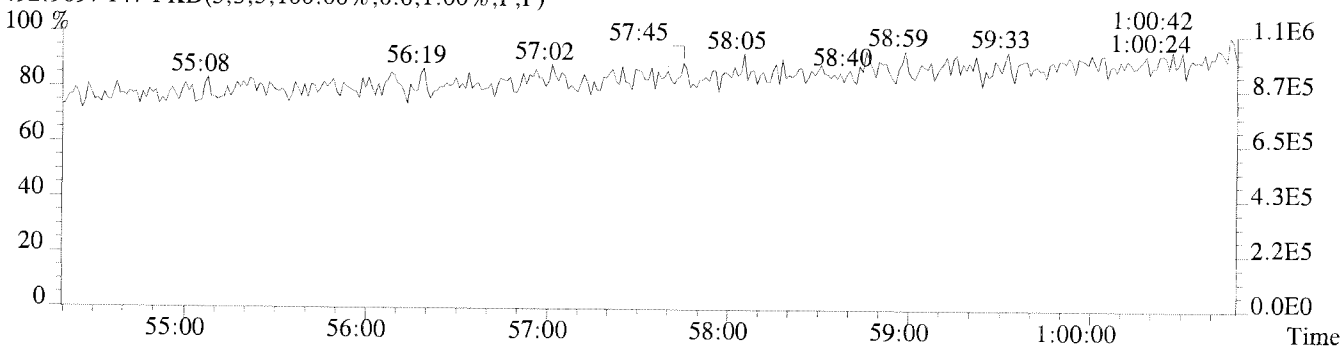
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,656.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,436.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
ICAL CS2

Run #2 Filename U139141 #1 Samp: 1 Inj: 1 Acquired: 23-FEB-11 11:58:54
Processed: 24-FEB-11 17:57:05 LAB. ID: ICAL CS2

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRT
1	1	2-MoCB	13:01	3.101e+03	1.031e+03	3.01	yes	no	1.000
2	3	4-MoCB	15:13	3.023e+03	9.225e+02	3.28	yes	no	1.001
3	4	22'-DiCB	15:26	1.692e+03	1.176e+03	1.44	yes	no	1.001
4	15	44'-DiCB	21:21	1.701e+03	1.077e+03	1.58	yes	yes	1.001
5	19	22'6'-TrCB	18:32	9.720e+02	9.543e+02	1.02	yes	no	1.001
6	37	344'-TrCB	28:22	1.257e+03	1.201e+03	1.05	yes	no	1.001
7	54	22'66'-TeCB	21:36	1.018e+03	1.355e+03	0.75	yes	no	1.002
8	81	344'5-TeCB	35:05	8.158e+02	1.079e+03	0.76	yes	no	1.001
9	77	33'44'-TeCB	35:39	7.911e+02	1.045e+03	0.76	yes	no	1.000
10	104	22'466'-PeCB	27:03	1.551e+03	9.348e+02	1.66	yes	no	1.001
11	123	2'344'5-PeCB	37:35	1.055e+03	6.571e+02	1.61	yes	yes	1.000
12	118	23'44'5-PeCB	37:54	1.045e+03	6.757e+02	1.55	yes	yes	1.000
13	114	2344'5-PeCB	38:27	1.009e+03	6.298e+02	1.60	yes	yes	1.001
14	105	233'44'-PeCB	39:07	1.021e+03	6.391e+02	1.60	yes	yes	1.000
15	126	33'44'5-PeCB	42:12	8.407e+02	5.037e+02	1.67	yes	yes	1.000
16	155	22'44'66'-HxCB	32:41	1.325e+03	1.020e+03	1.30	yes	no	1.001
17	167	23'44'55'-HxCB	44:00	6.866e+02	5.464e+02	1.26	yes	no	1.000
18	156/7	233'44'5-HxCB	45:11	1.213e+03	1.040e+03	1.17	yes	no	1.000
19	169	33'44'55'-HxCB	48:25	5.040e+02	4.313e+02	1.17	yes	no	1.000
20	188	22'34'566'-HpCB	38:23	1.049e+03	9.483e+02	1.11	yes	no	1.001
21	189	233'44'55'-HpCB	50:54	5.108e+02	4.850e+02	1.05	yes	no	1.000
22	202	22'33'55'66'-OcCB	43:46	5.827e+02	6.301e+02	0.92	yes	no	1.001
23	205	233'44'55'6-OcCB	53:27	5.108e+02	5.786e+02	0.88	yes	no	1.001
24	208	22'33'4'55'66'-NoCB	50:24	4.381e+02	5.881e+02	0.74	yes	no	1.001
25	206	22'33'44'55'6-NoCB	55:11	3.510e+02	4.781e+02	0.73	yes	no	1.001
26	209	DeCB	56:44	6.880e+02	5.481e+02	1.26	yes	no	1.000
27	1L	13C-2-MoCB	13:01	5.943e+04	1.863e+04	3.19	yes	no	0.749
28	3L	13C-4-MoCB	15:12	5.571e+04	1.756e+04	3.17	yes	yes	0.874
29	4L	13C-22'-DiCB	15:25	3.128e+04	1.969e+04	1.59	yes	no	0.887
30	15L	13C-44'-DiCB	21:20	3.559e+04	2.278e+04	1.56	yes	no	1.227
31	19L	13C-22'6'-TrCB	18:31	2.012e+04	1.901e+04	1.06	yes	no	1.065
32	37L	13C-344'-TrCB	28:20	2.447e+04	2.309e+04	1.06	yes	no	1.085
33	54L	13C-22'66'-TeCB	21:34	2.189e+04	2.757e+04	0.79	yes	no	0.826
34	81L	13C-344'5-TeCB	35:03	1.694e+04	2.161e+04	0.78	yes	no	1.342
35	77L	13C-33'44'-TeCB	35:38	1.732e+04	2.206e+04	0.79	yes	no	1.364
36	104L	13C-22'466'-PeCB	27:02	2.950e+04	1.898e+04	1.55	yes	no	0.821
37	123L	13C-2'344'5-PeCB	37:35	2.059e+04	1.292e+04	1.59	yes	no	1.141
38	118L	13C-23'44'5-PeCB	37:53	2.147e+04	1.300e+04	1.65	yes	no	1.150
39	114L	13C-2344'5-PeCB	38:25	2.193e+04	1.373e+04	1.60	yes	no	1.166
40	105L	13C-233'44'-PeCB	39:06	2.059e+04	1.278e+04	1.61	yes	no	1.187
41	126L	13C-33'44'5-PeCB	42:11	1.794e+04	1.125e+04	1.59	yes	no	1.281
42	155L	13C-22'44'66'-HxCB	32:40	2.639e+04	2.074e+04	1.27	yes	no	0.797
43	167L	13C-23'44'55'-HxCB	43:59	1.359e+04	1.031e+04	1.32	yes	no	1.073
44	156/7	13C-233'44'5'-HxCB	45:10	2.514e+04	1.968e+04	1.28	yes	no	1.102
45	169L	13C-33'44'55'-HxCB	48:24	1.149e+04	8.955e+03	1.28	yes	no	1.181
46	188L	13C-22'34'566'-HpCB	38:21	2.139e+04	1.987e+04	1.08	yes	no	0.724
47	189L	13C-233'44'55'-HpCB	50:53	1.193e+04	1.134e+04	1.05	yes	no	0.961
48	202L	13C-22'33'55'66'-OcCB	43:44	1.376e+04	1.522e+04	0.90	yes	no	0.826
49	205L	13C-233'44'55'6-OcCB	53:25	1.163e+04	1.293e+04	0.90	yes	no	1.009
50	208L	13C-22'33'4'55'66'-NoCB	50:22	1.097e+04	1.373e+04	0.80	yes	no	0.951
51	206L	13C-22'33'44'55'6-NoCB	55:09	7.899e+03	9.836e+03	0.80	yes	no	1.042
52	209L	13C-DeCB	56:43	1.484e+04	1.255e+04	1.18	yes	no	1.071

53	28L	13C-244'-TrCB	24:18	3.064e+04	2.949e+04	1.04	yes	no	0.930
54	111L	13C-233'55'-PeCB	35:35	2.603e+04	1.646e+04	1.58	yes	no	1.080
55	178L	13C-22'33'55'6-HpCB	41:26	1.500e+04	1.358e+04	1.10	yes	no	1.011
56	9L	13C-2,5-DiCB	17:23	3.909e+04	2.481e+04	1.58	yes	no	*
57	52L	13C-22'55'-TeCB	26:07	1.924e+04	2.426e+04	0.79	yes	no	*
58	101L	13C-22'4'55'-PeCB	32:56	2.075e+04	1.310e+04	1.58	yes	no	*
59	138L	13C-22'3'44'5'-HxCB	40:59	1.581e+04	1.245e+04	1.27	yes	no	*
60	194L	13C-22'33'44'55'-OcCB	52:57	8.899e+03	9.924e+03	0.90	yes	no	*

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
ICAL CS2

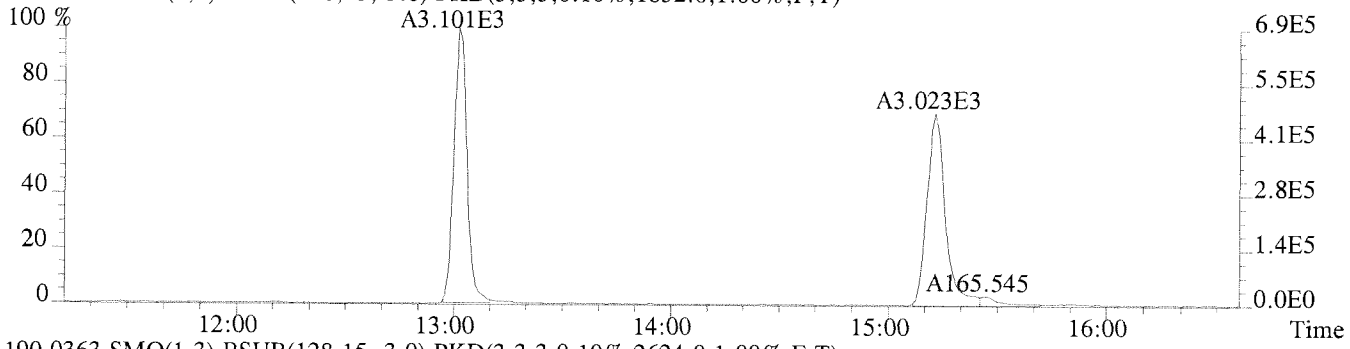
Run #2 Filename U139141 Samp: 1 Inj: 1 Acquired: 23-FEB-11 11:58:54
Processed: 24-FEB-11 17:57:051 LAB. ID: ICAL CS2

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2-MoCB	6.88e+05	1.83e+03	3.8e+02	2.28e+05	2.62e+03	8.7e+01
2	4-MoCB	4.82e+05	1.83e+03	2.6e+02	1.49e+05	2.62e+03	5.7e+01
3	22'-DiCB	3.08e+05	4.06e+03	7.6e+01	2.08e+05	8.46e+03	2.5e+01
4	44'-DiCB	2.39e+05	3.86e+03	6.2e+01	1.60e+05	6.78e+03	2.4e+01
5	22'6'-TrCB	1.78e+05	1.35e+03	1.3e+02	1.71e+05	1.00e+03	1.7e+02
6	344'-TrCB	1.64e+05	1.22e+03	1.3e+02	1.60e+05	1.24e+03	1.3e+02
7	22'66'-TeCB	1.67e+05	1.07e+03	1.6e+02	2.23e+05	1.03e+03	2.2e+02
8	344'5-TeCB	1.23e+05	8.88e+02	1.4e+02	1.64e+05	1.05e+03	1.6e+02
9	33'44'-TeCB	1.05e+05	8.88e+02	1.2e+02	1.38e+05	1.05e+03	1.3e+02
10	22'466'-PeCB	2.46e+05	6.96e+02	3.5e+02	1.46e+05	1.06e+03	1.4e+02
11	2'344'5-PeCB	1.83e+05	1.86e+03	9.8e+01	1.09e+05	2.21e+03	4.9e+01
12	23'44'5-PeCB	1.62e+05	1.86e+03	8.7e+01	1.07e+05	2.21e+03	4.8e+01
13	2344'5-PeCB	1.73e+05	1.86e+03	9.3e+01	1.06e+05	2.21e+03	4.8e+01
14	233'44'-PeCB	1.64e+05	1.86e+03	8.8e+01	1.05e+05	2.21e+03	4.7e+01
15	33'44'5-PeCB	1.24e+05	1.86e+03	6.7e+01	7.85e+04	2.21e+03	3.5e+01
16	22'44'66'-HxCB	2.32e+05	7.60e+02	3.1e+02	1.81e+05	8.04e+02	2.2e+02
17	23'44'55'-HxCB	1.47e+05	7.72e+02	1.9e+02	1.14e+05	7.24e+02	1.6e+02
18	233'44'5-HxCB	1.75e+05	7.72e+02	2.3e+02	1.52e+05	7.24e+02	2.1e+02
19	33'44'55'-HxCB	1.05e+05	7.72e+02	1.4e+02	7.84e+04	7.24e+02	1.1e+02
20	22'34'566'-HpCB	1.99e+05	8.52e+02	2.3e+02	1.62e+05	6.12e+02	2.6e+02
21	233'44'55'-HpCB	1.05e+05	6.96e+02	1.5e+02	9.77e+04	6.96e+02	1.4e+02
22	22'33'55'66'-OcCB	1.20e+05	6.44e+02	1.9e+02	1.33e+05	8.20e+02	1.6e+02
23	233'44'55'6-OcCB	1.11e+05	6.44e+02	1.7e+02	1.25e+05	8.20e+02	1.5e+02
24	22'33'4'55'66'-NoCB	9.29e+04	6.80e+02	1.4e+02	1.30e+05	7.80e+02	1.7e+02
25	22'33'44'55'6-NoCB	6.43e+04	7.08e+02	9.1e+01	8.33e+04	1.35e+03	6.2e+01
26	DeCB	1.30e+05	7.00e+02	1.9e+02	1.00e+05	7.20e+02	1.4e+02
27	13C-2-MoCB	1.30e+07	1.61e+03	8.1e+03	4.08e+06	5.00e+04	8.2e+01
28	13C-4-MoCB	9.05e+06	1.61e+03	5.6e+03	2.88e+06	5.00e+04	5.8e+01
29	13C-22'-DiCB	5.79e+06	5.74e+03	1.0e+03	3.61e+06	2.14e+03	1.7e+03
30	13C-44'-DiCB	4.95e+06	7.60e+03	6.5e+02	3.15e+06	1.82e+03	1.7e+03
31	13C-22'6'-TrCB	3.59e+06	2.19e+04	1.6e+02	3.39e+06	1.10e+04	3.1e+02
32	13C-344'-TrCB	3.07e+06	1.66e+04	1.8e+02	2.90e+06	1.07e+04	2.7e+02
33	13C-22'66'-TeCB	3.70e+06	2.46e+03	1.5e+03	4.66e+06	1.56e+03	3.0e+03
34	13C-344'5-TeCB	2.46e+06	1.46e+03	1.7e+03	3.14e+06	2.03e+03	1.5e+03
35	13C-33'44'-TeCB	2.37e+06	1.46e+03	1.6e+03	2.98e+06	2.03e+03	1.5e+03
36	13C-22'466'-PeCB	4.60e+06	1.01e+03	4.6e+03	2.98e+06	7.04e+02	4.2e+03
37	13C-2'344'5-PeCB	3.41e+06	2.08e+03	1.6e+03	2.13e+06	4.28e+03	5.0e+02
38	13C-23'44'5-PeCB	3.46e+06	2.08e+03	1.7e+03	2.16e+06	4.28e+03	5.1e+02
39	13C-2344'5-PeCB	3.58e+06	2.08e+03	1.7e+03	2.26e+06	4.28e+03	5.3e+02
40	13C-233'44'-PeCB	3.32e+06	2.08e+03	1.6e+03	2.08e+06	4.28e+03	4.9e+02
41	13C-33'44'5-PeCB	2.68e+06	2.08e+03	1.3e+03	1.67e+06	4.28e+03	3.9e+02
42	13C-22'44'66'-HxCB	4.56e+06	1.15e+03	4.0e+03	3.57e+06	9.52e+02	3.7e+03
43	13C-23'44'55'-HxCB	2.88e+06	1.39e+03	2.1e+03	2.17e+06	1.44e+03	1.5e+03
44	13C-233'44'5'-HxCB	3.63e+06	1.39e+03	2.6e+03	2.86e+06	1.44e+03	2.0e+03
45	13C-33'44'55'-HxCB	2.26e+06	1.39e+03	1.6e+03	1.74e+06	1.44e+03	1.2e+03
46	13C-22'34'566'-HpCB	3.72e+06	7.64e+02	4.9e+03	3.50e+06	5.48e+02	6.4e+03
47	13C-233'44'55'-HpCB	2.50e+06	1.22e+03	2.0e+03	2.36e+06	1.01e+03	2.3e+03
48	13C-22'33'55'66'-OcCB	2.94e+06	6.08e+02	4.8e+03	3.30e+06	5.88e+02	5.6e+03
49	13C-233'44'55'6-OcCB	2.48e+06	6.08e+02	4.1e+03	2.79e+06	5.88e+02	4.7e+03
50	13C-22'33'4'55'66'-NoCB	2.37e+06	8.40e+02	2.8e+03	2.95e+06	7.32e+02	4.0e+03
51	13C-22'33'44'55'6-NoCB	1.50e+06	1.08e+03	1.4e+03	1.88e+06	8.80e+02	2.1e+03
52	13C-DeCB	2.85e+06	6.16e+02	4.6e+03	2.41e+06	6.16e+02	3.9e+03

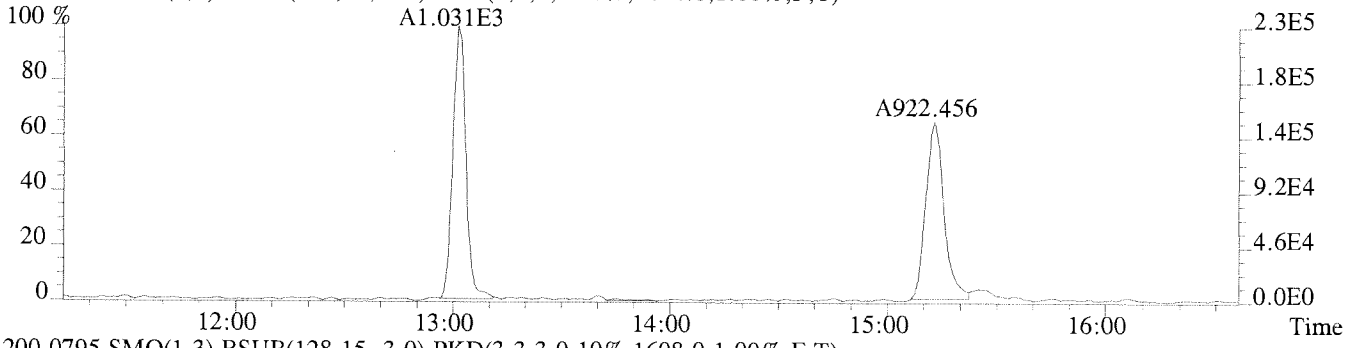
13C-244'-TrCB	4.30e+06	1.66e+04	2.6e+02	4.12e+06	1.07e+04	3.8e+02
13C-233'55'-PeCB	4.40e+06	1.67e+03	2.6e+03	2.83e+06	2.66e+03	1.1e+03
13C-22'33'55'6-HpCB	2.67e+06	7.64e+02	3.5e+03	2.41e+06	5.48e+02	4.4e+03
13C-2,5-DiCB	7.00e+06	7.60e+03	9.2e+02	4.42e+06	1.82e+03	2.4e+03
13C-22'55'-TeCB	2.90e+06	2.07e+03	1.4e+03	3.67e+06	1.62e+03	2.3e+03
13C-22'4'55'-PeCB	3.53e+06	1.67e+03	2.1e+03	2.21e+06	2.66e+03	8.3e+02
13C-22'3'44'5'-HxCB	2.73e+06	8.20e+02	3.3e+03	2.16e+06	6.88e+02	3.1e+03
13C-22'33'44'55'-OcCB	1.87e+06	6.08e+02	3.1e+03	2.11e+06	5.88e+02	3.6e+03

File:U139141 #1-347 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

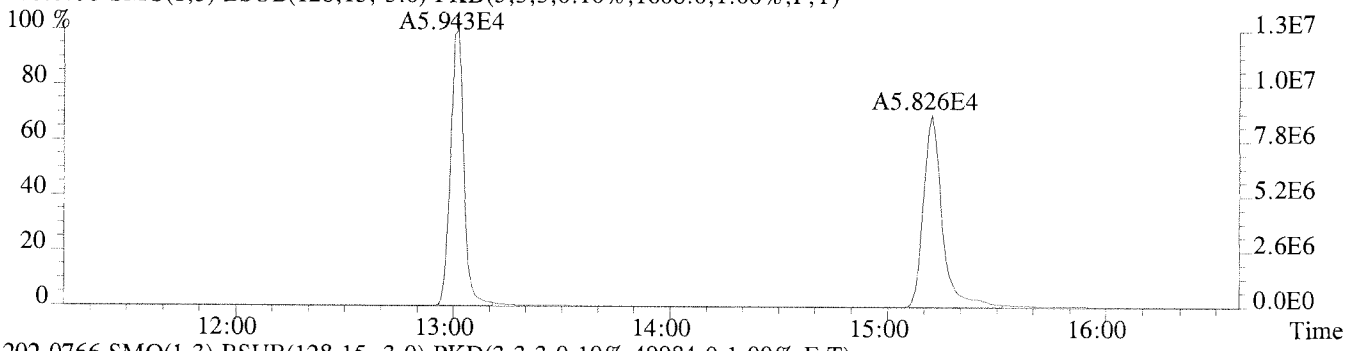
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1832.0,1.00%,F,T)



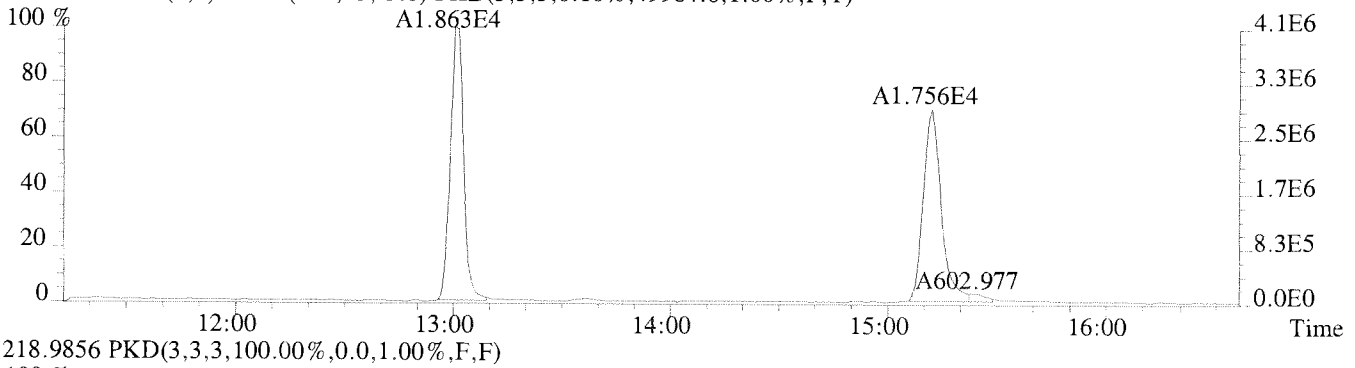
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2624.0,1.00%,F,T)



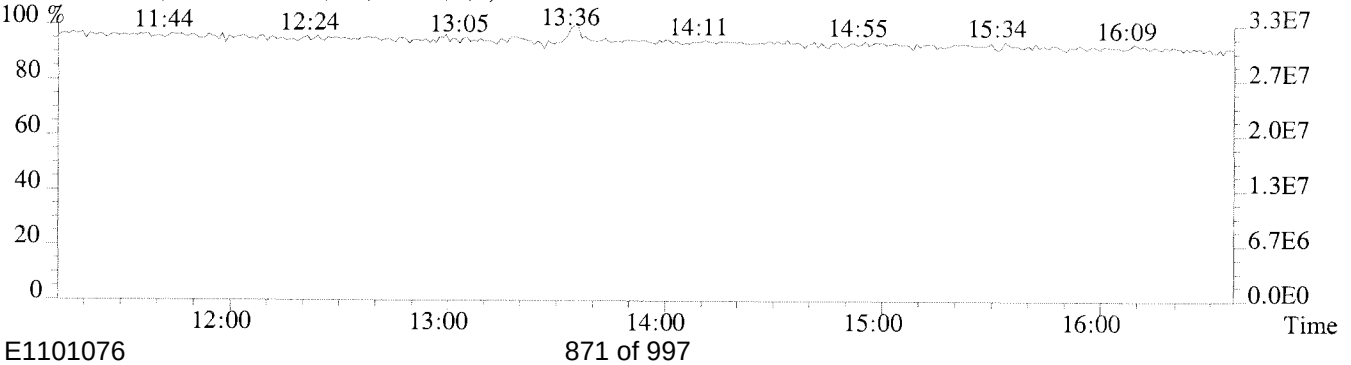
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1608.0,1.00%,F,T)



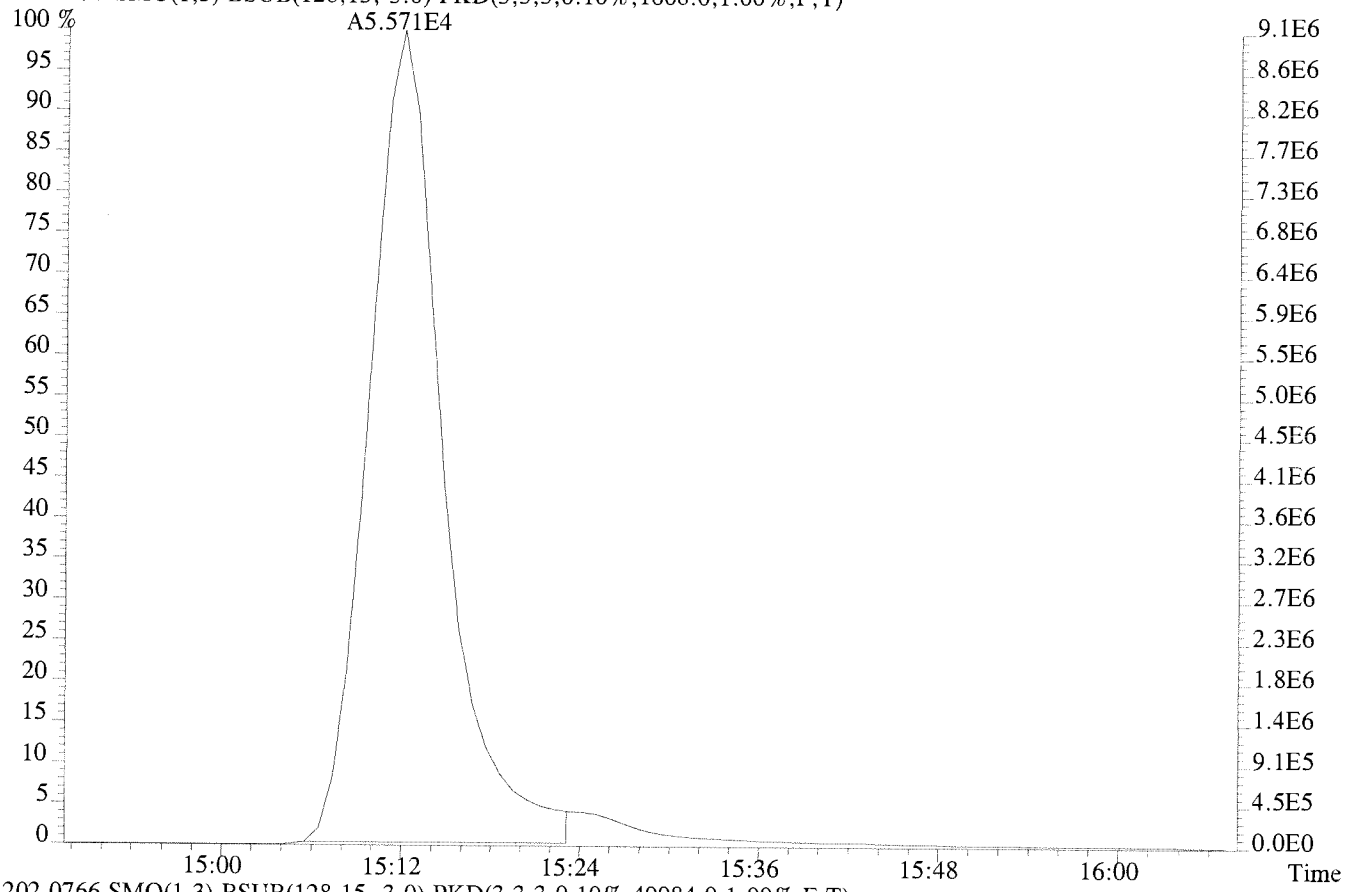
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,49984.0,1.00%,F,T)



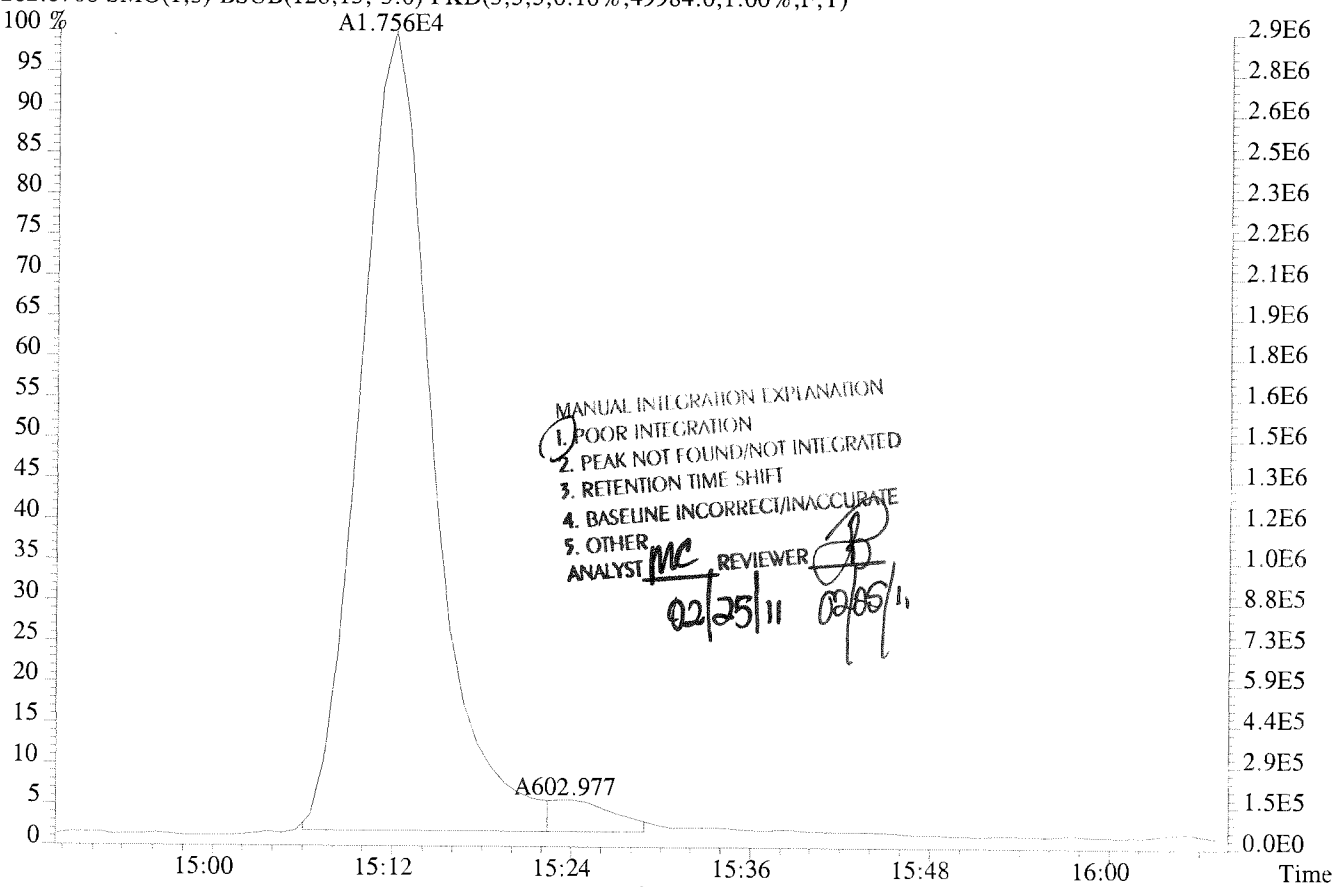
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139141 #1-347 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1608.0,1.00%,F,T)



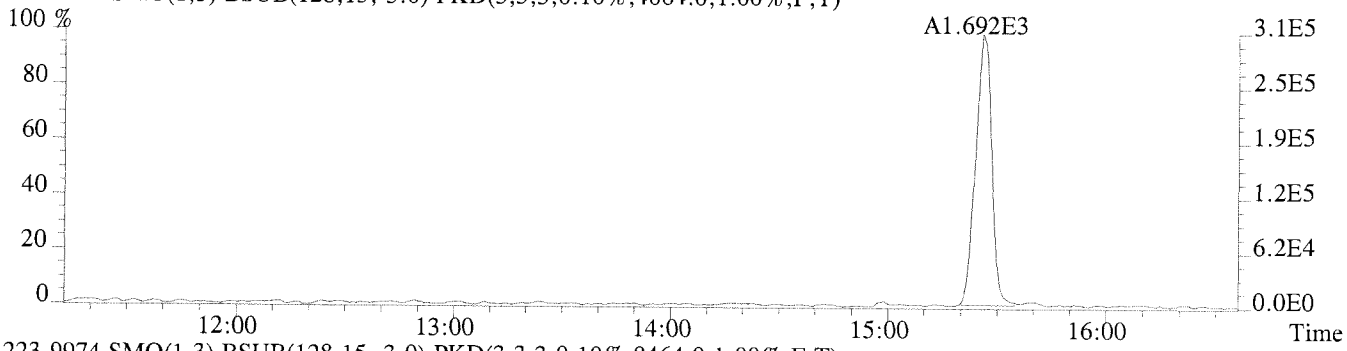
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,49984.0,1.00%,F,T)



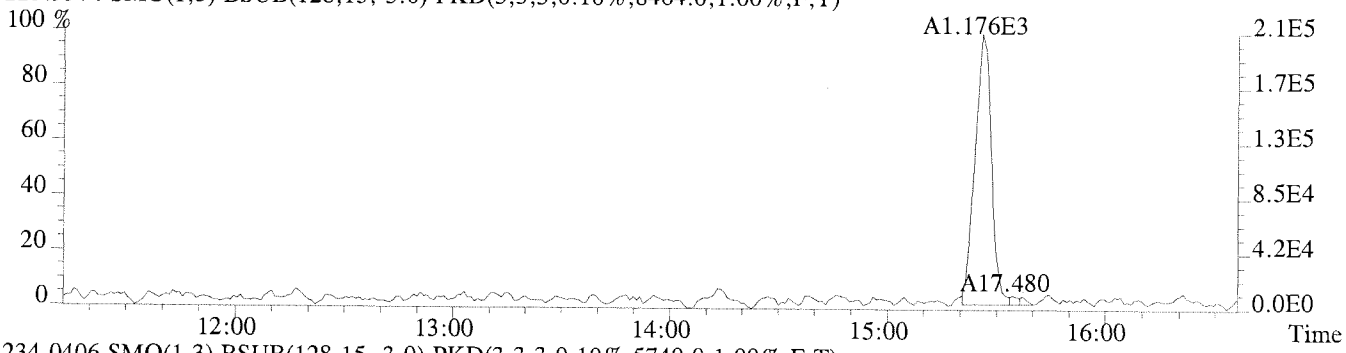
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/25/11 02/05/11

File:U139141 #1-347 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

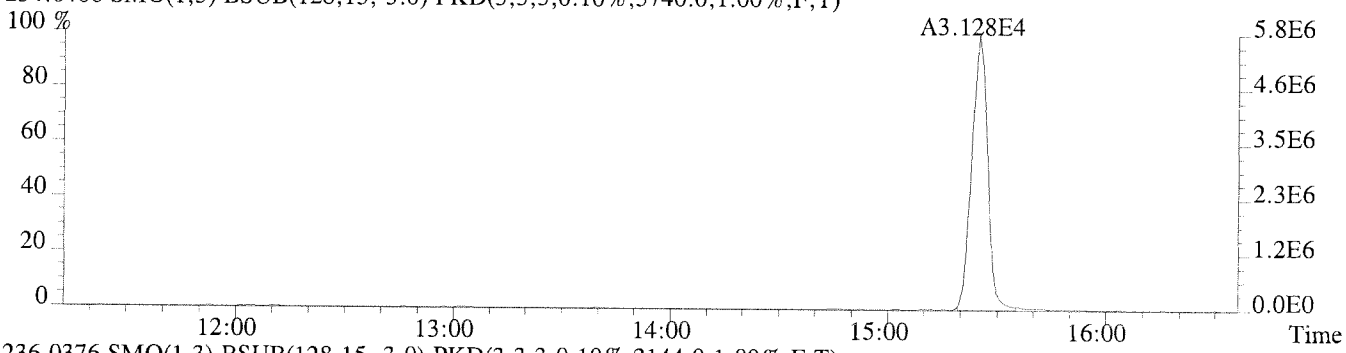
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4064.0,1.00%,F,T)



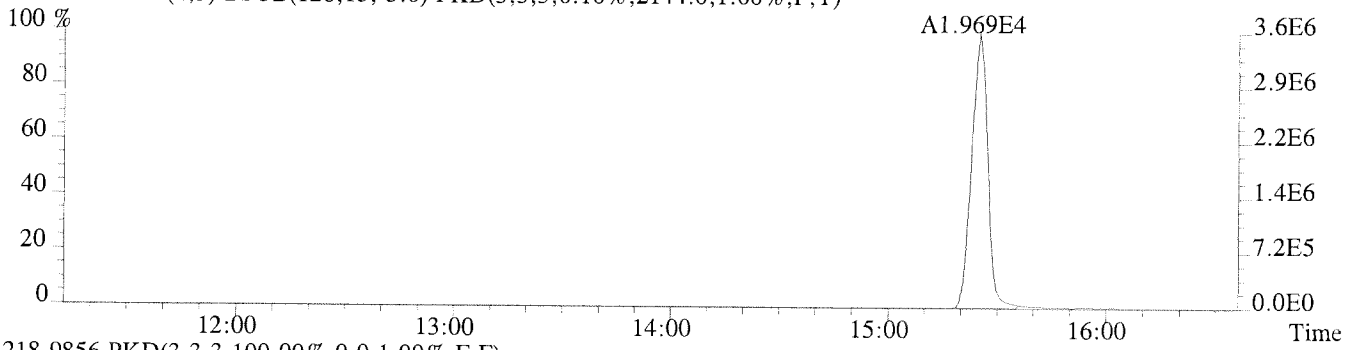
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8464.0,1.00%,F,T)



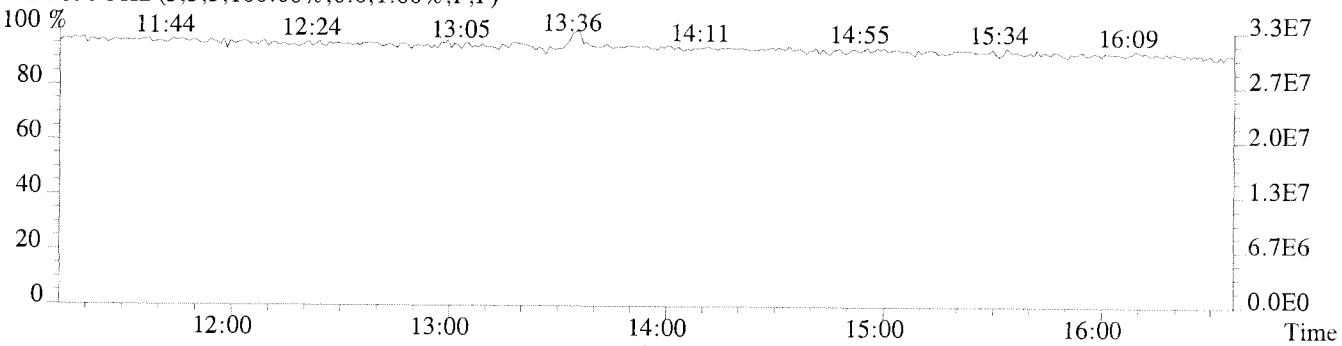
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5740.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2144.0,1.00%,F,T)

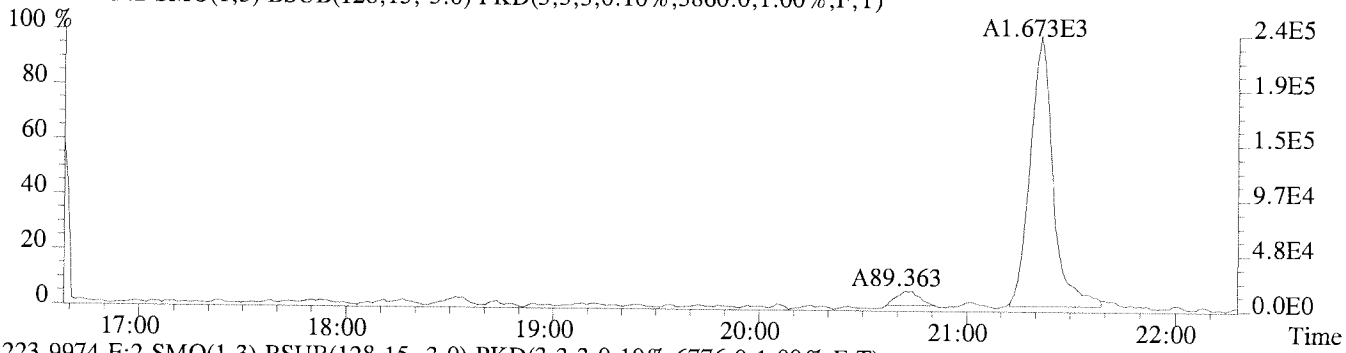


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

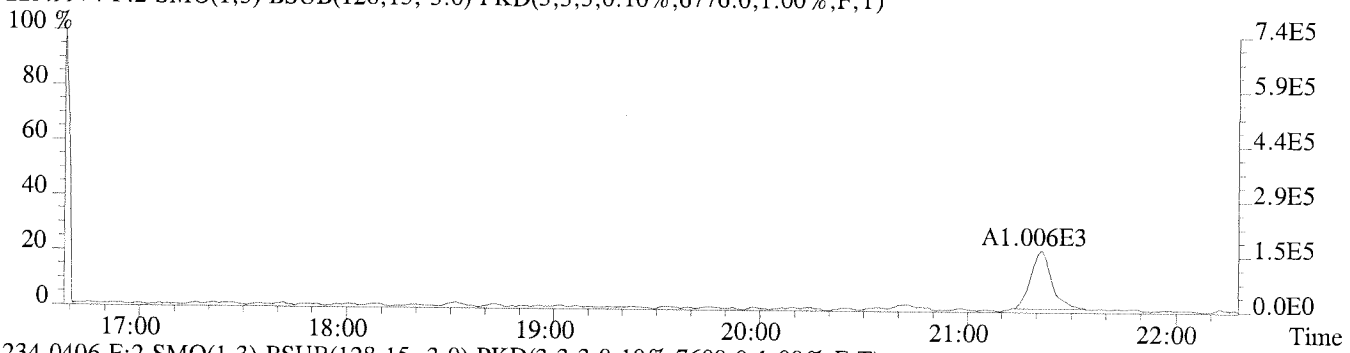


File:U139141 #1-313 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

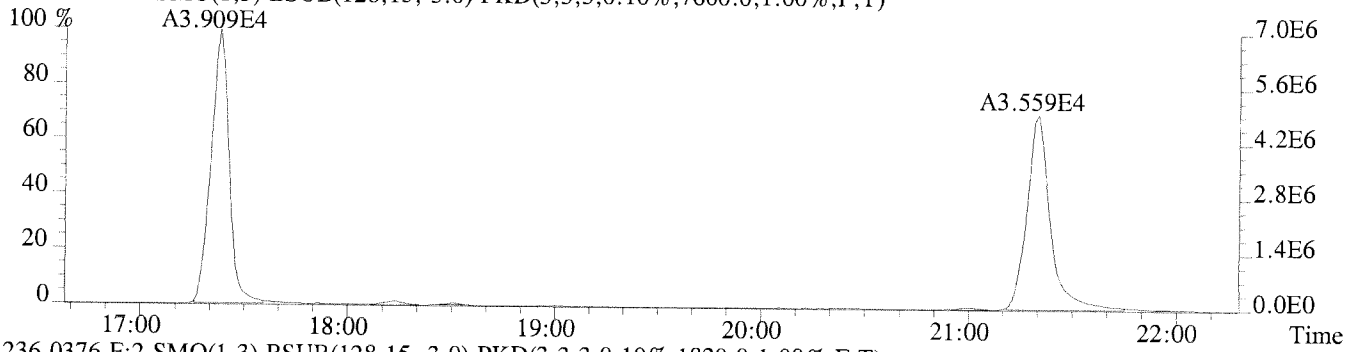
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3860.0,1.00%,F,T)



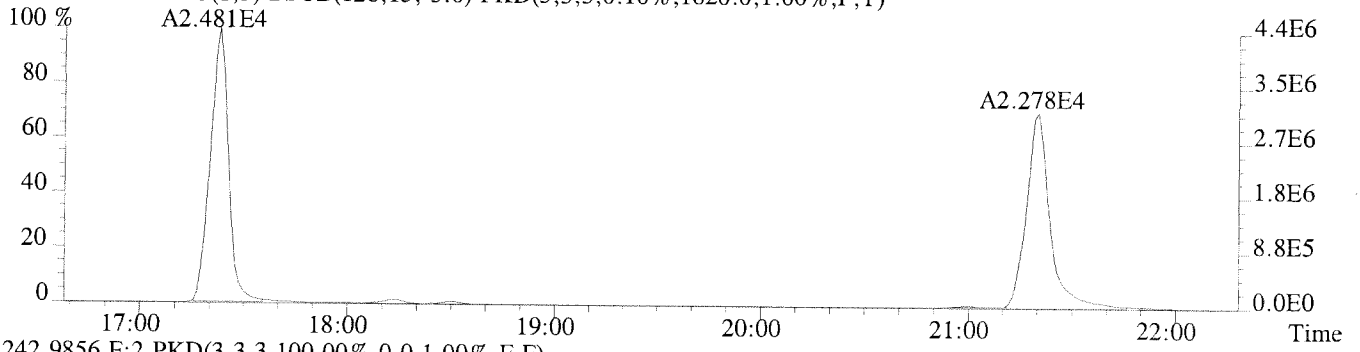
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6776.0,1.00%,F,T)



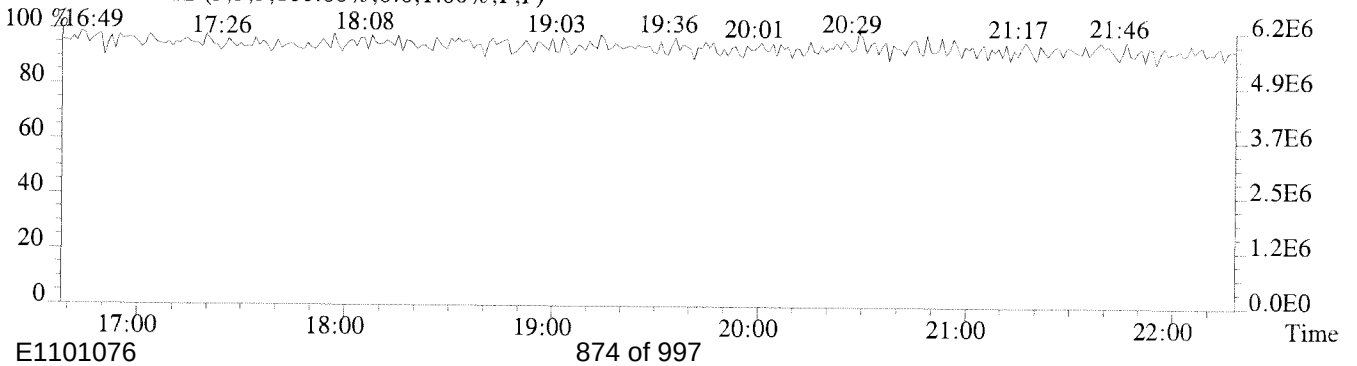
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7600.0,1.00%,F,T)



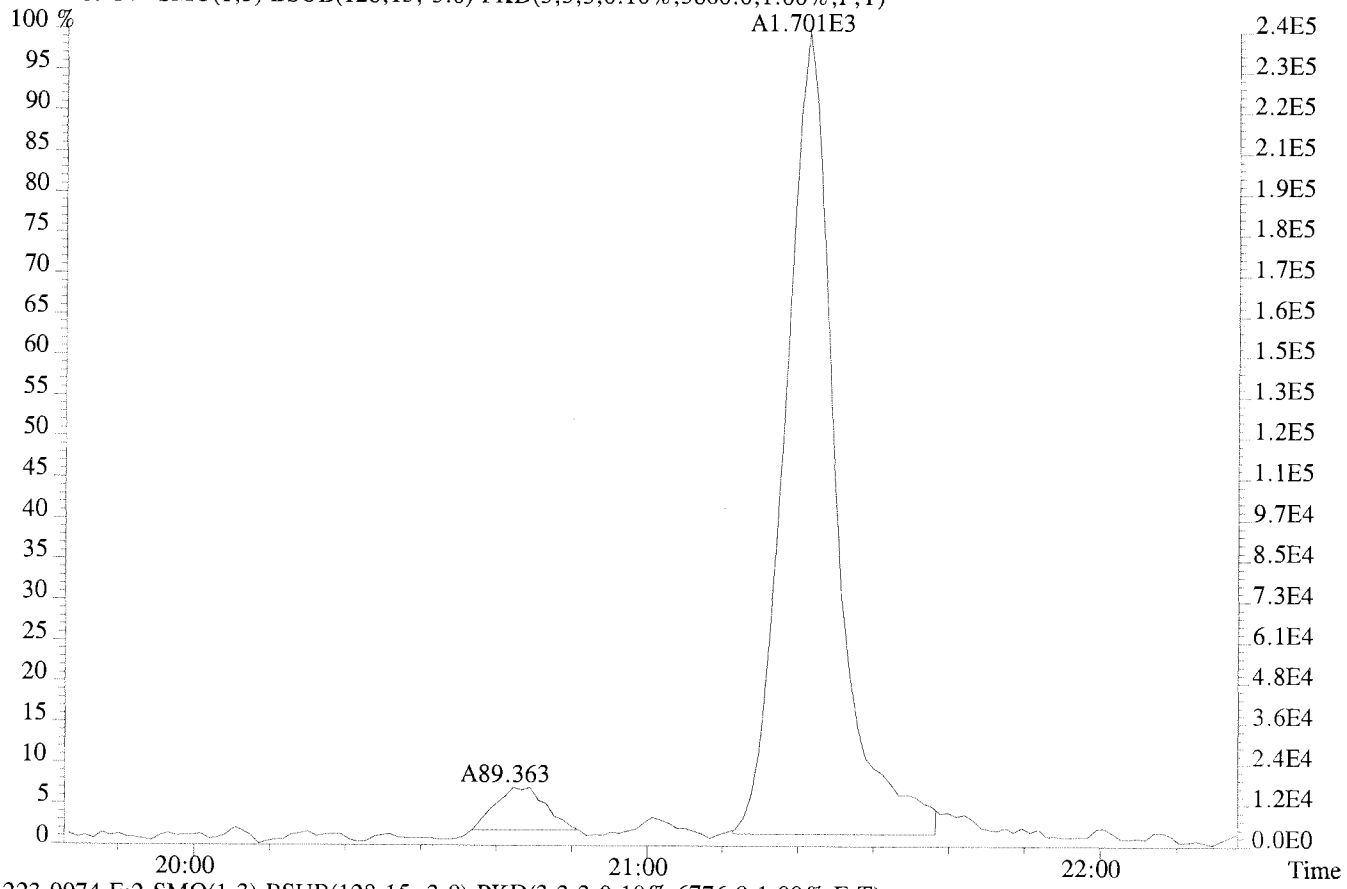
236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1820.0,1.00%,F,T)



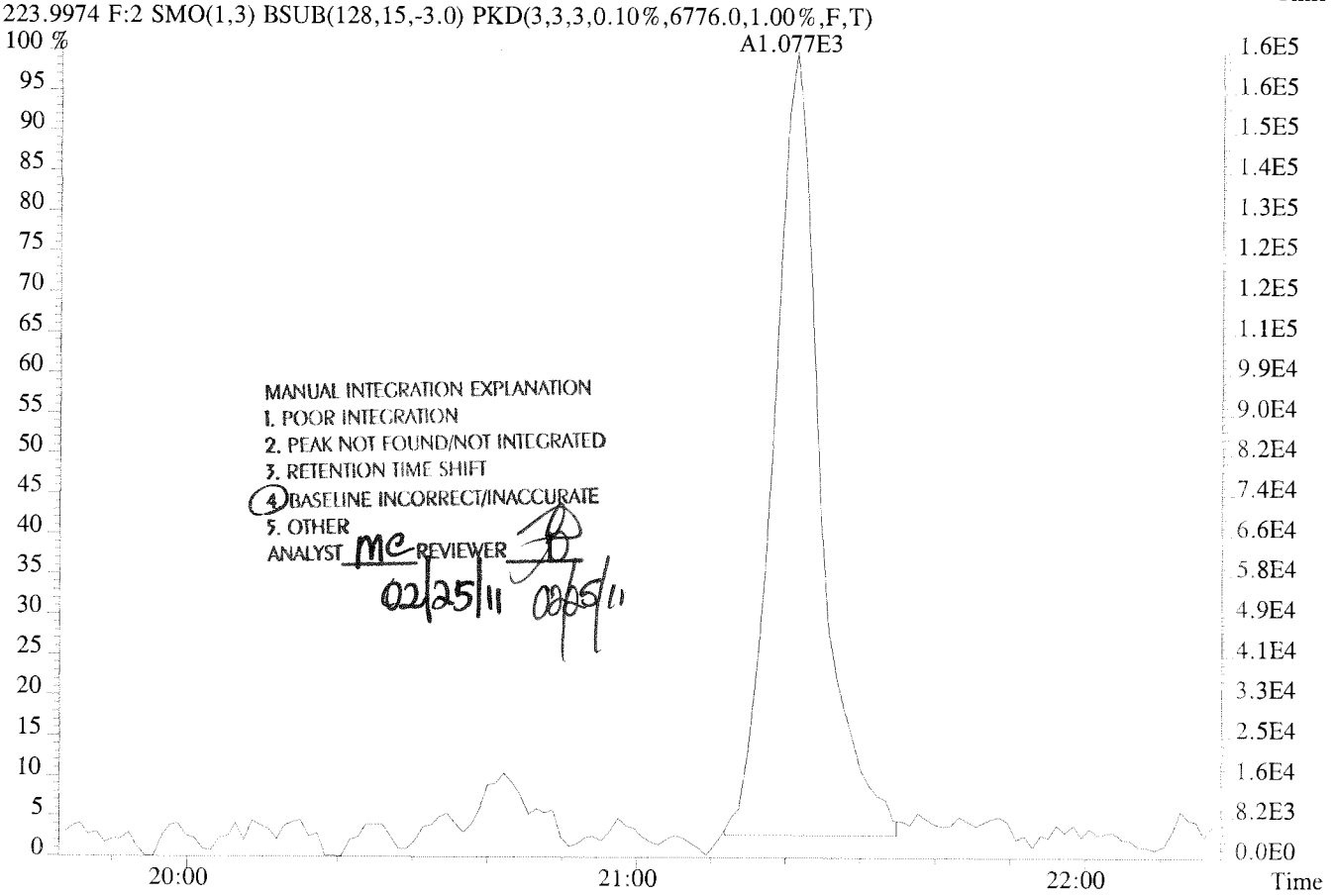
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139141 #1-313 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3860.0,1.00%,F,T)

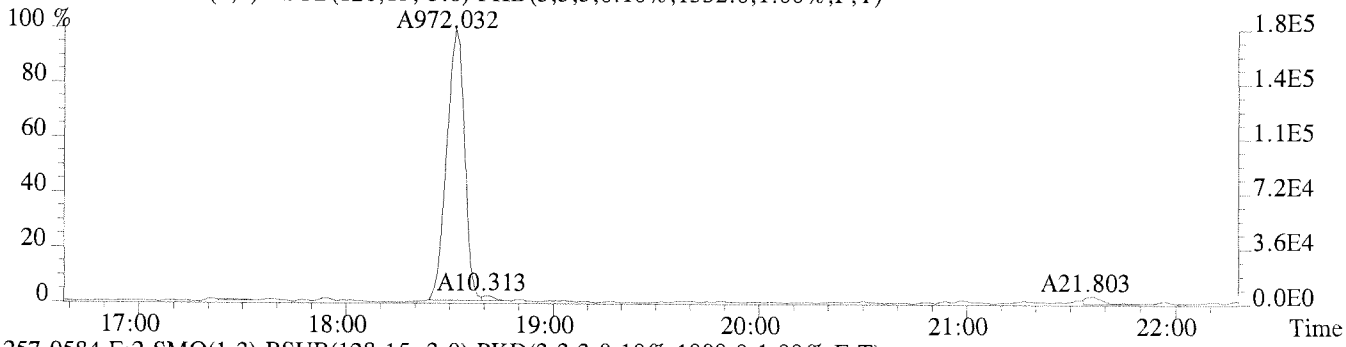


223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6776.0,1.00%,F,T)

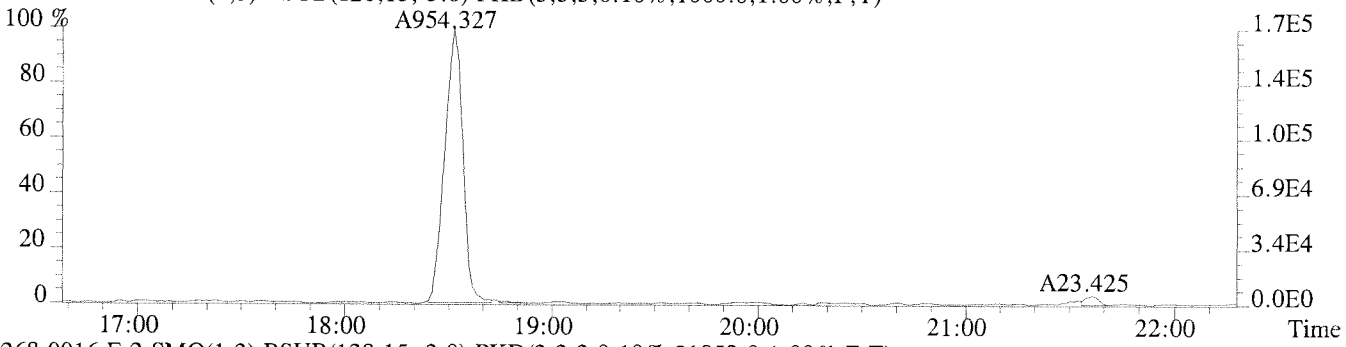


File:U139141 #1-313 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

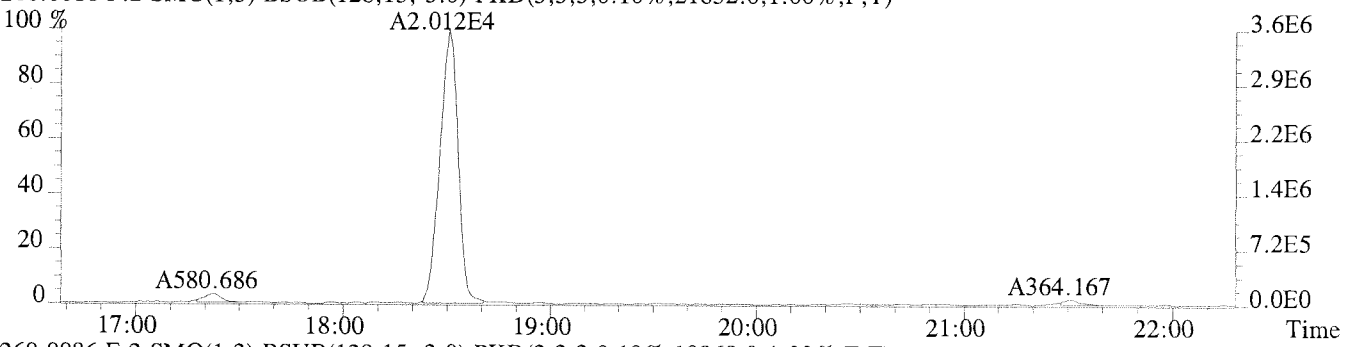
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1352.0,1.00%,F,T)



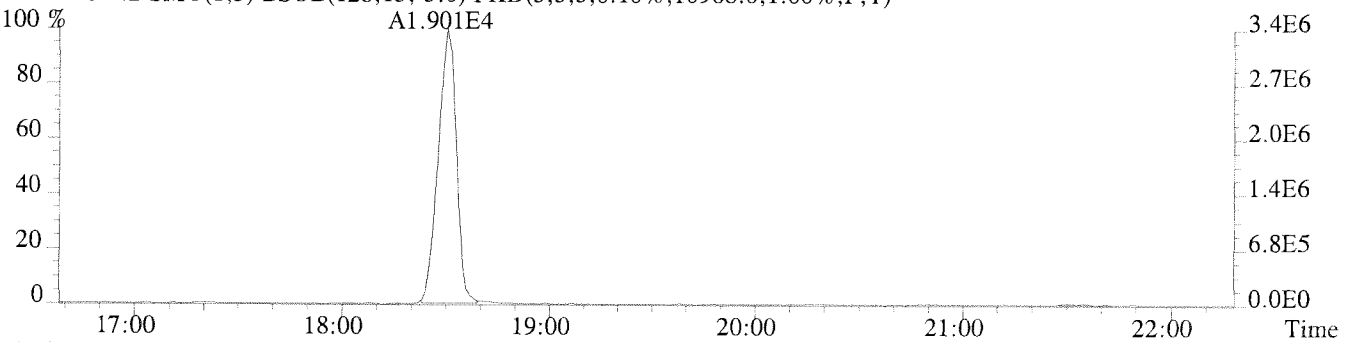
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



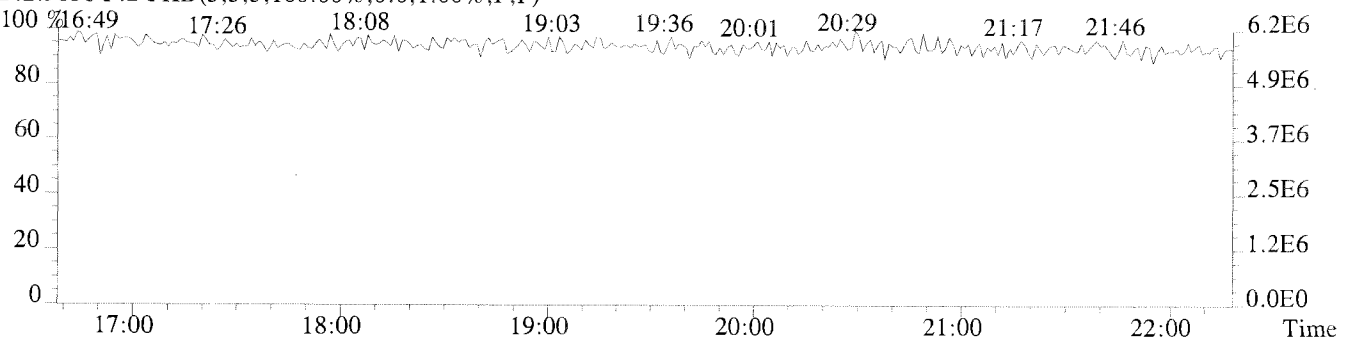
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,21852.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10968.0,1.00%,F,T)

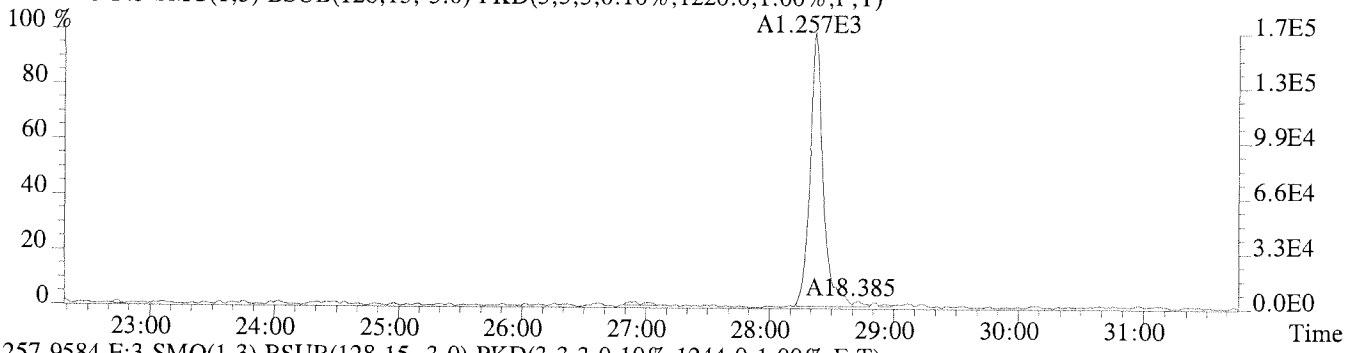


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

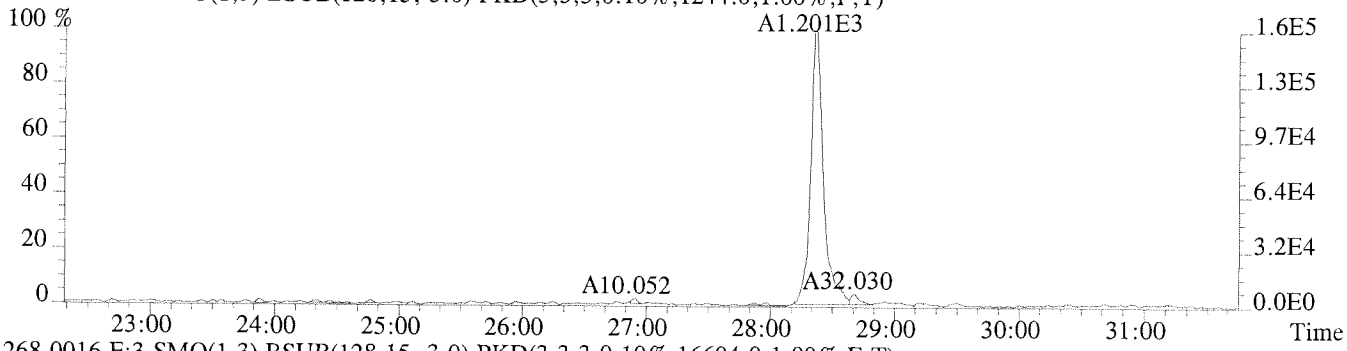


File:U139141 #1-604 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

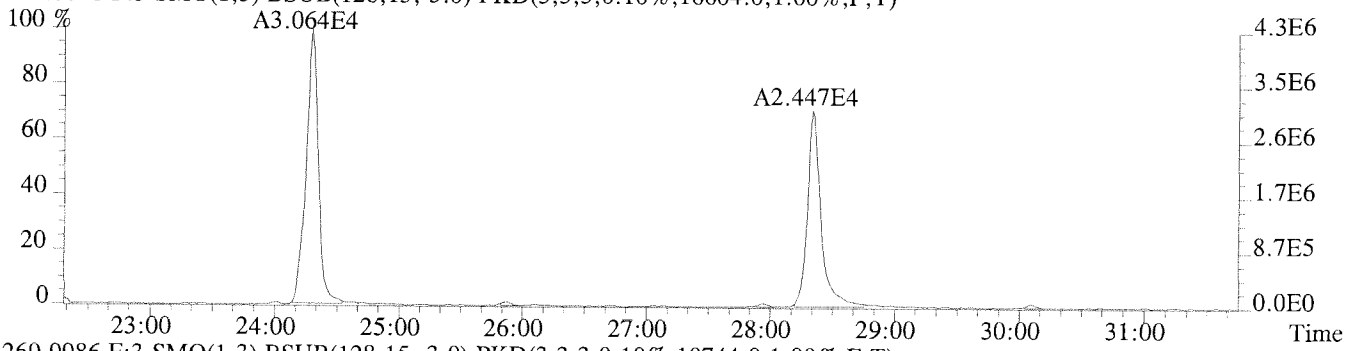
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1220.0,1.00%,F,T)



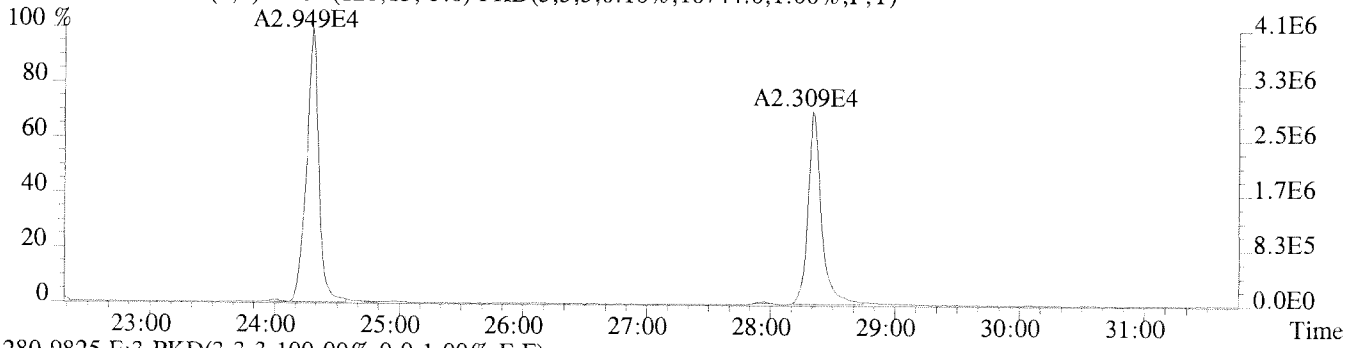
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1244.0,1.00%,F,T)



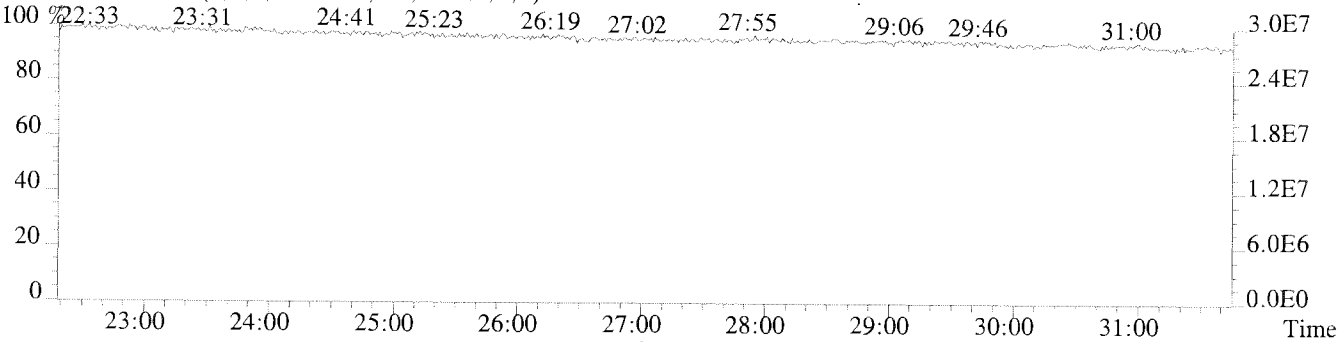
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,16604.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10744.0,1.00%,F,T)

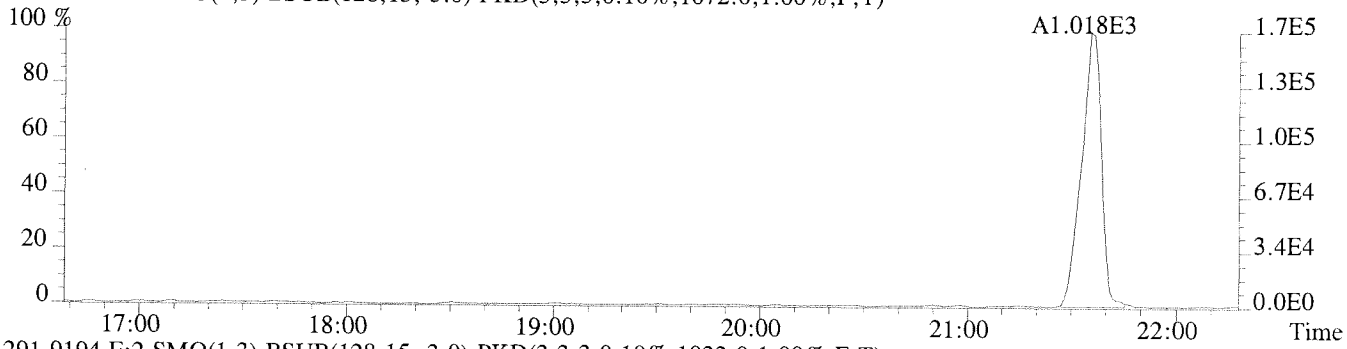


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

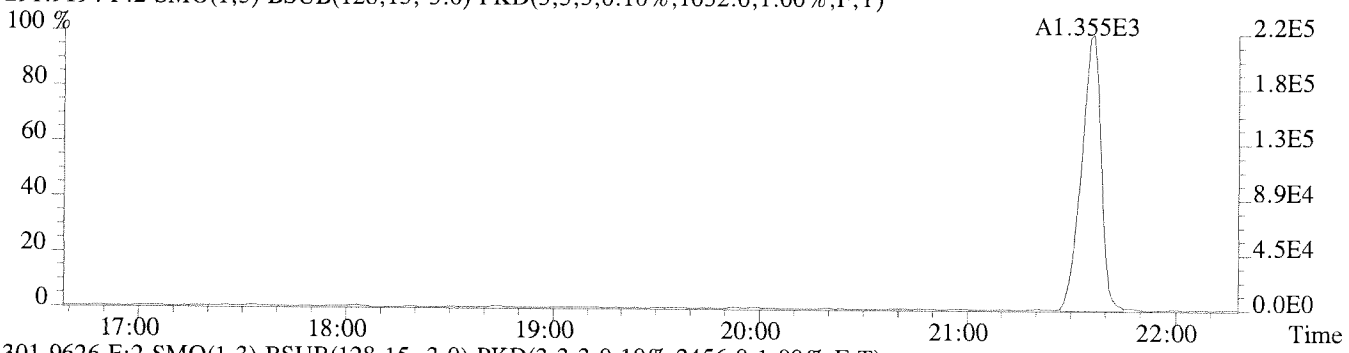


File:U139141 #1-313 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

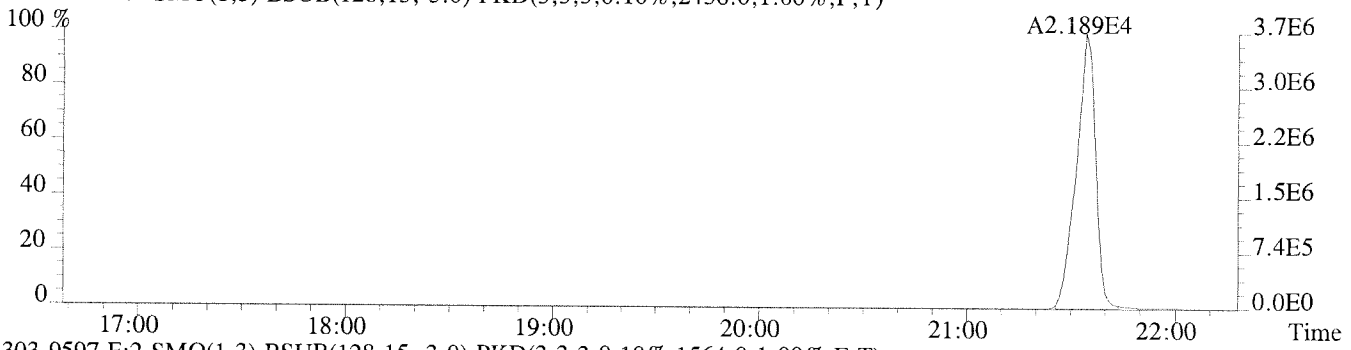
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1072.0,1.00%,F,T)



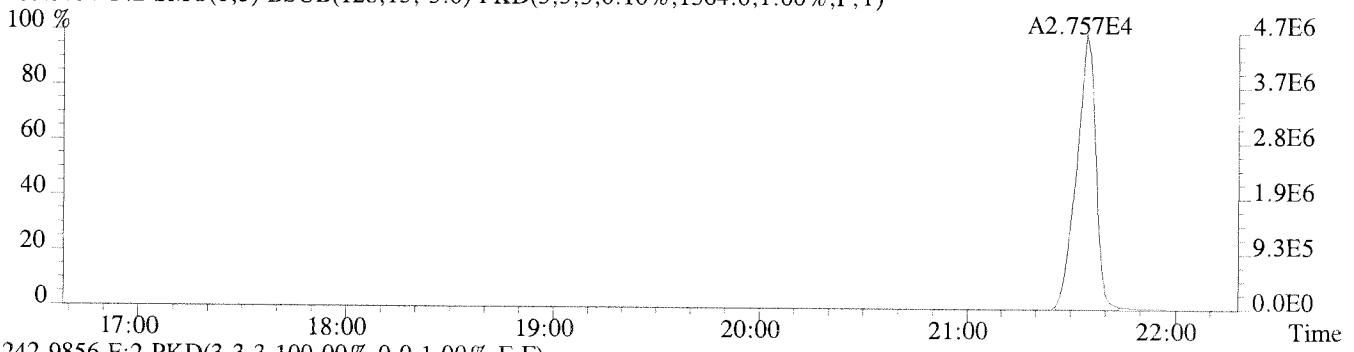
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1032.0,1.00%,F,T)



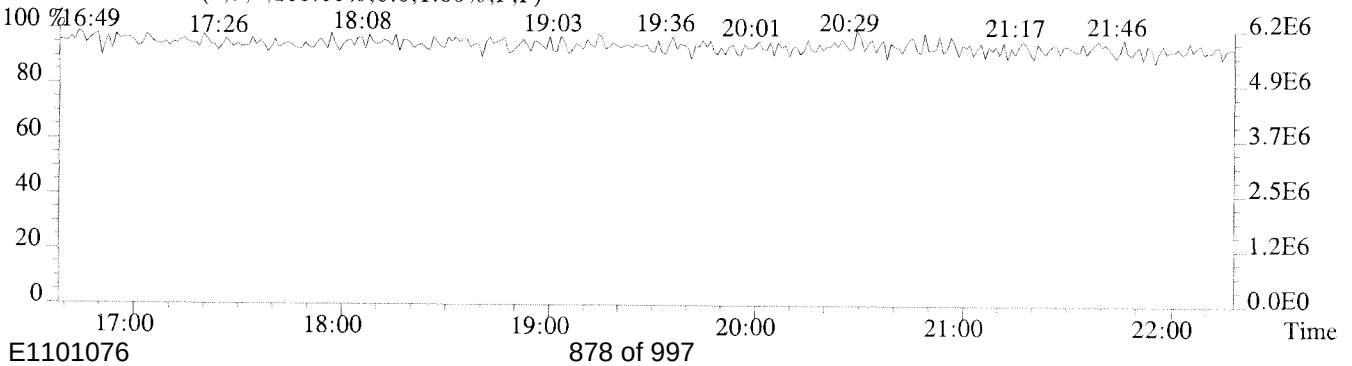
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2456.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1564.0,1.00%,F,T)

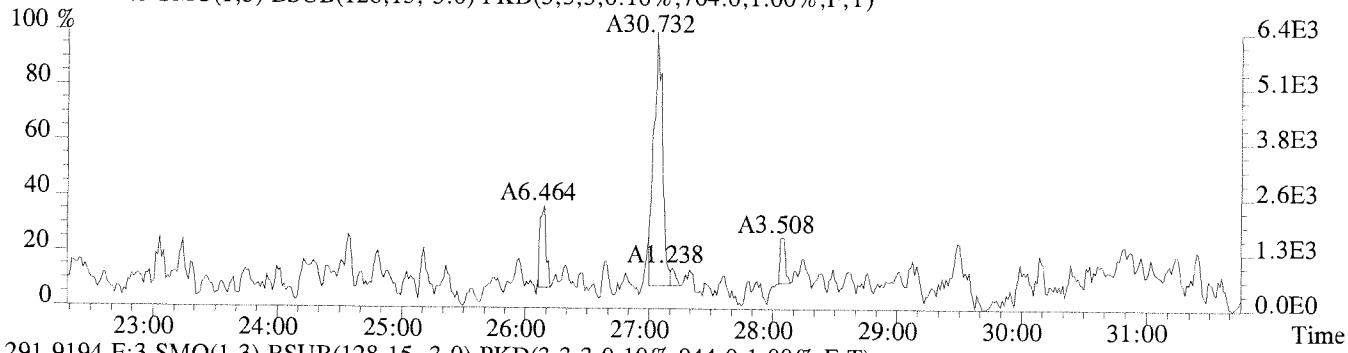


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

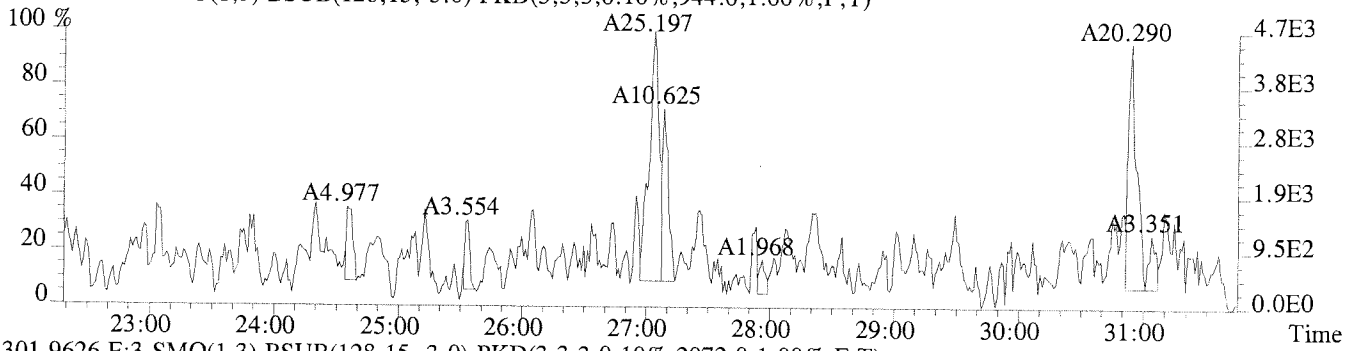


File:U139141 #1-604 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

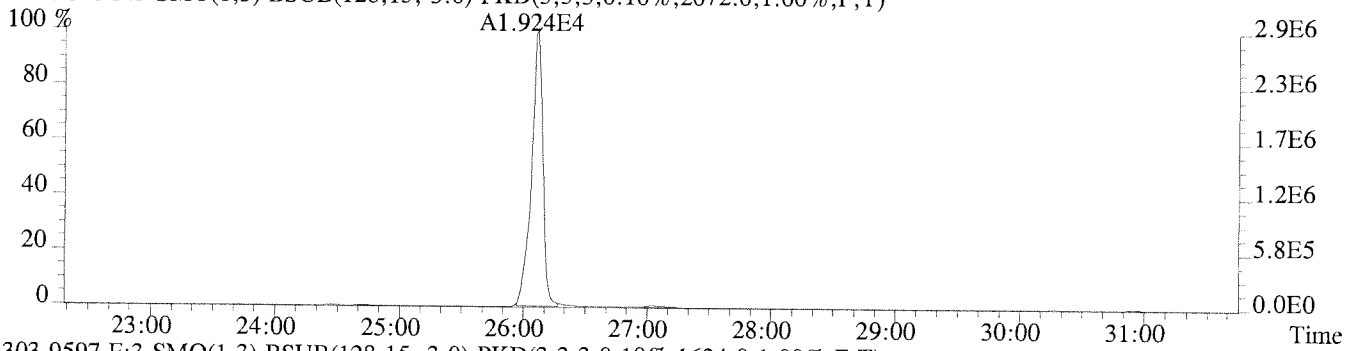
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,764.0,1.00%,F,T)



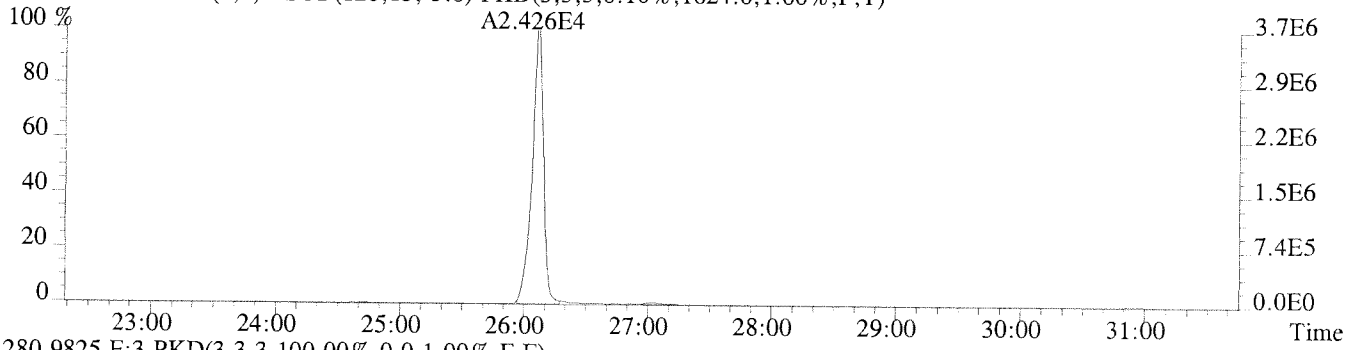
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



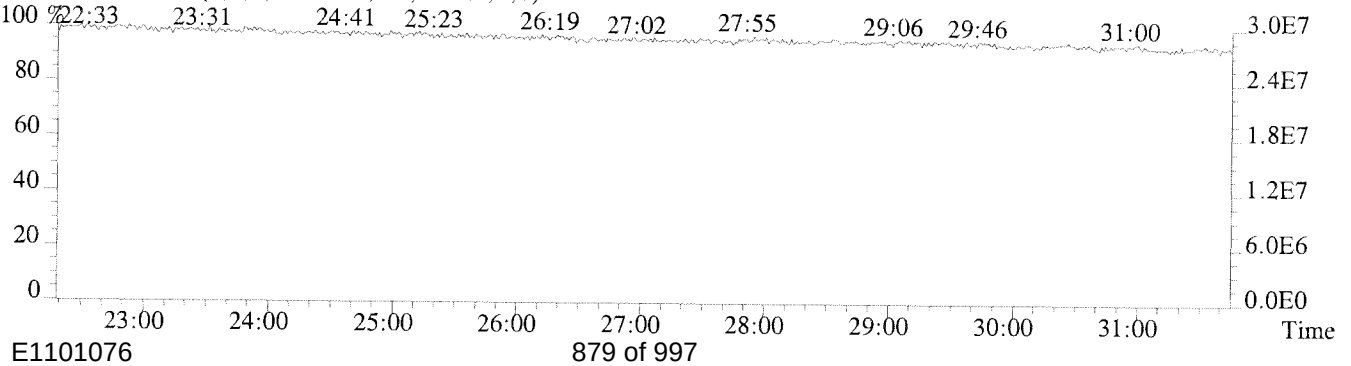
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2072.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1624.0,1.00%,F,T)

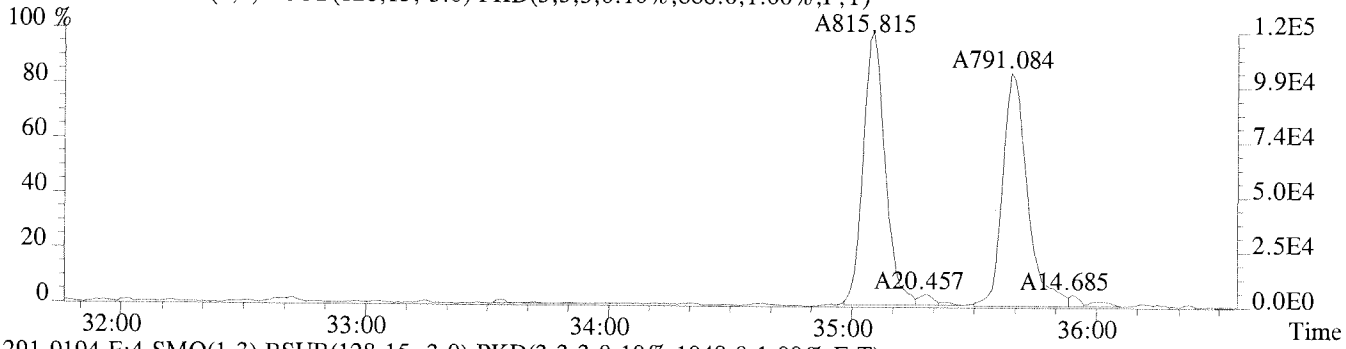


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

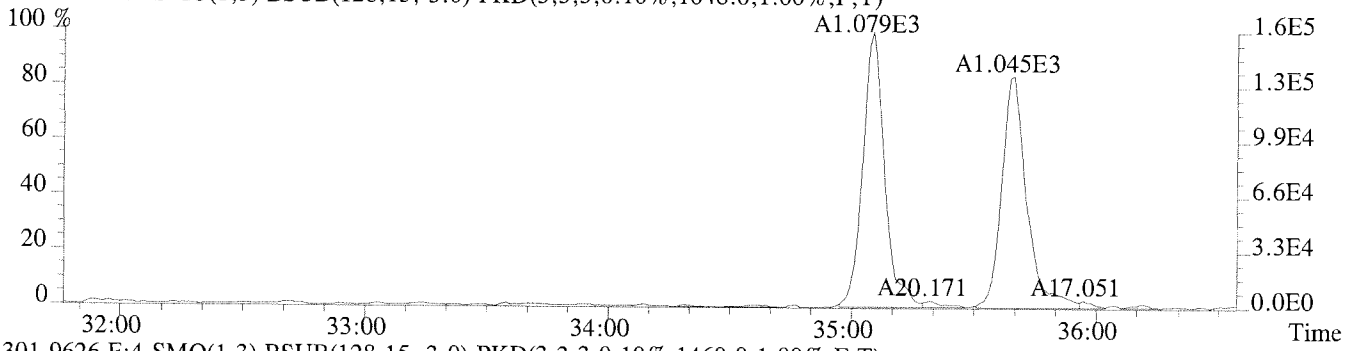


File:U139141 #1-308 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

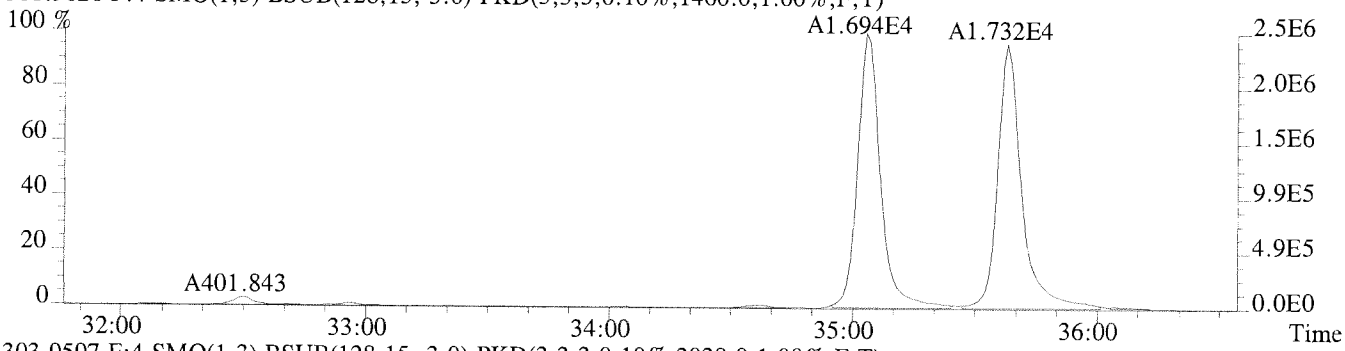
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,888.0,1.00%,F,T)



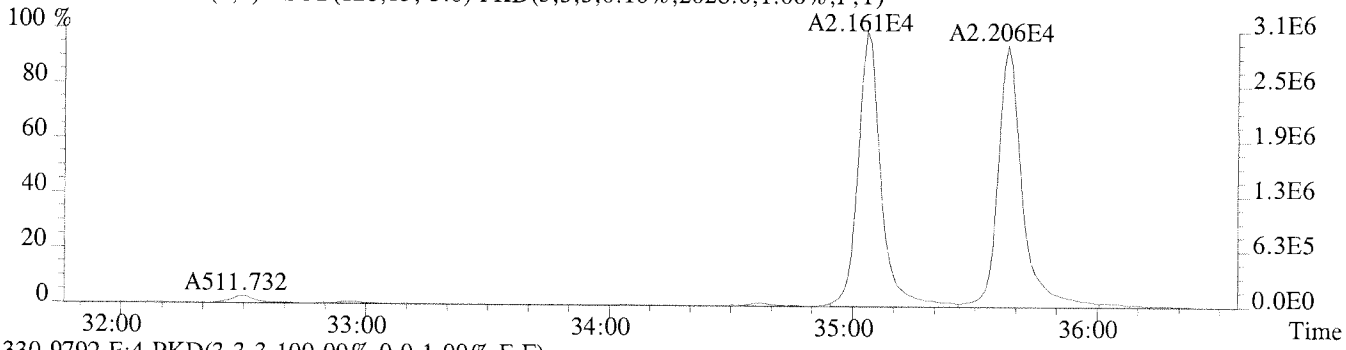
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1048.0,1.00%,F,T)



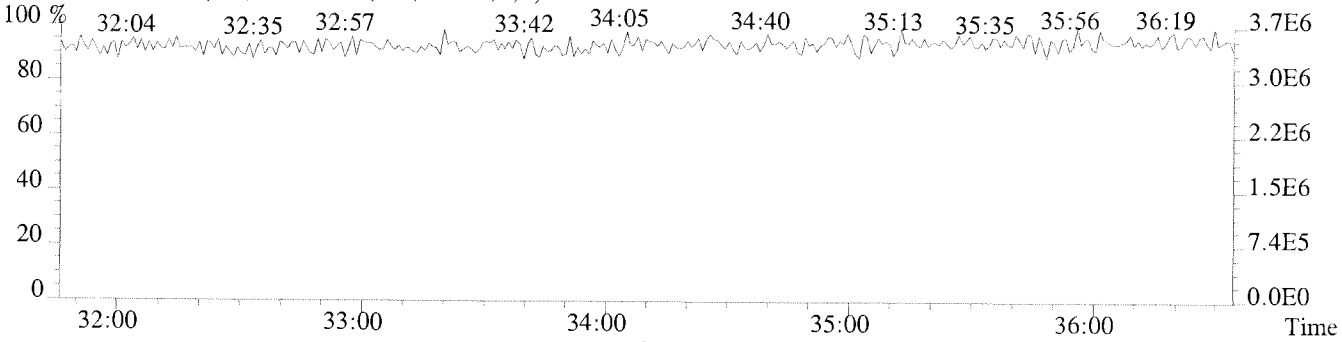
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1460.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2028.0,1.00%,F,T)

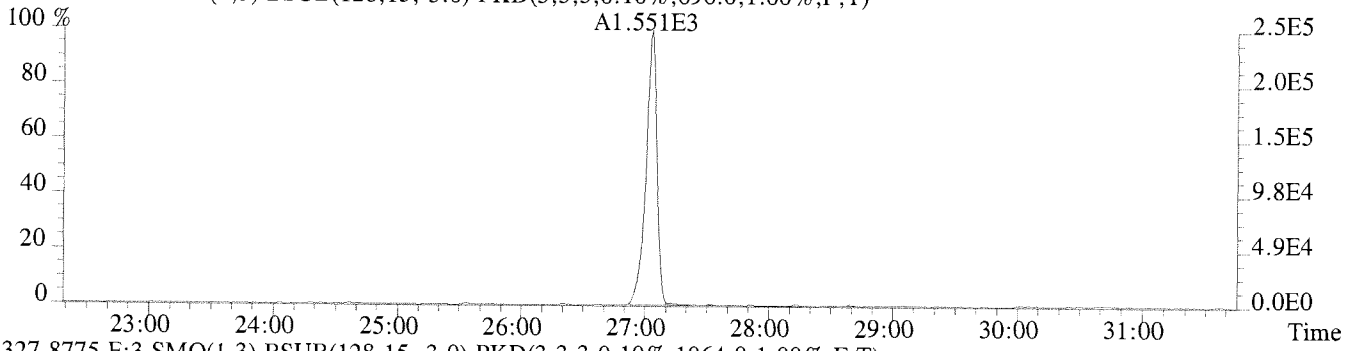


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

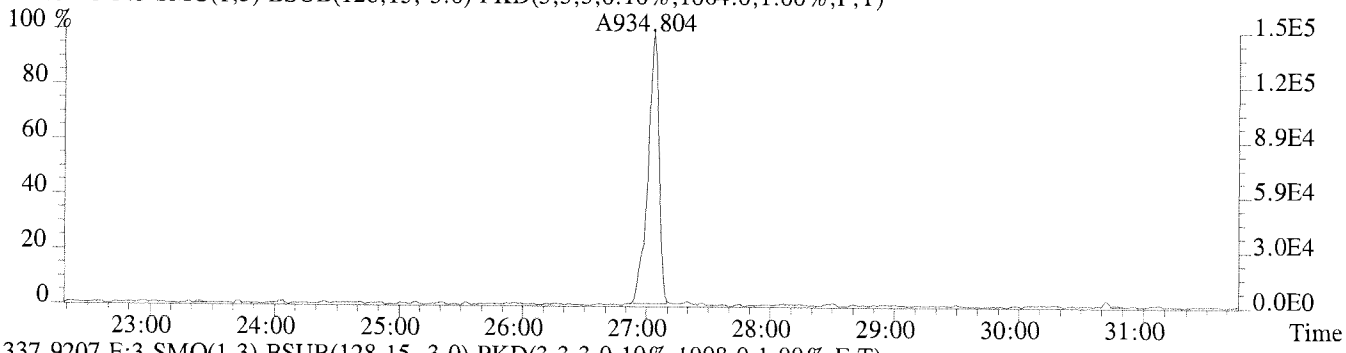


File:U139141 #1-604 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

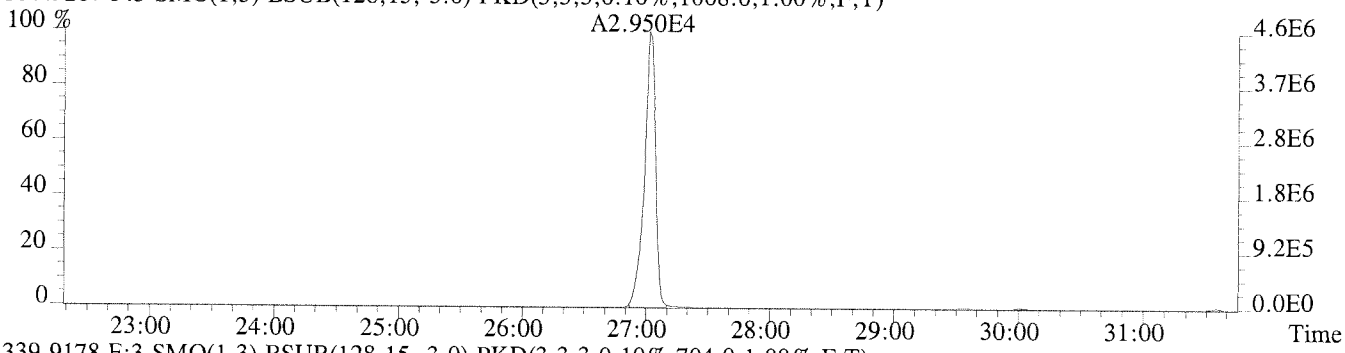
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,696.0,1.00%,F,T)



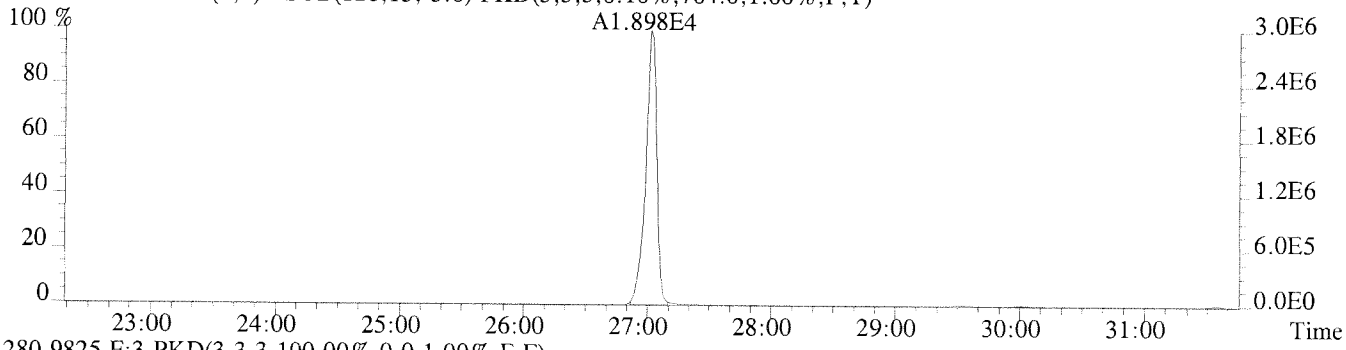
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1064.0,1.00%,F,T)



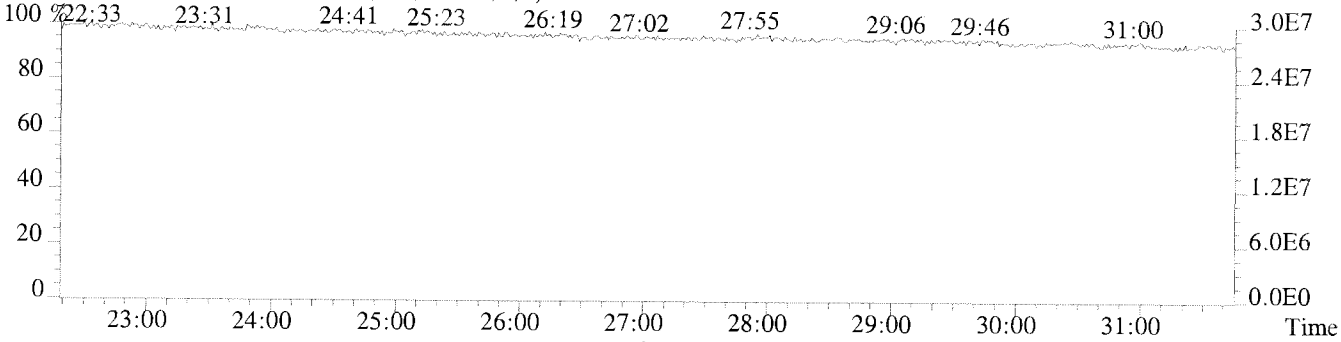
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1008.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,704.0,1.00%,F,T)

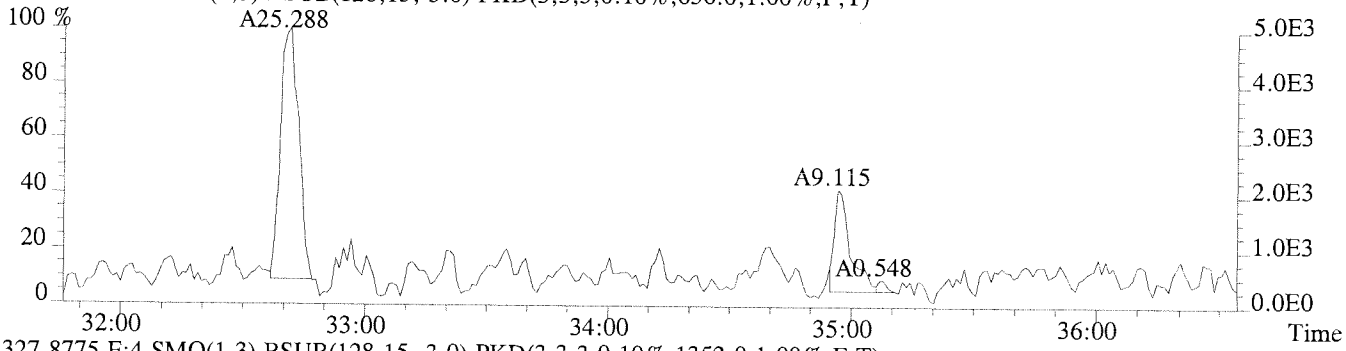


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

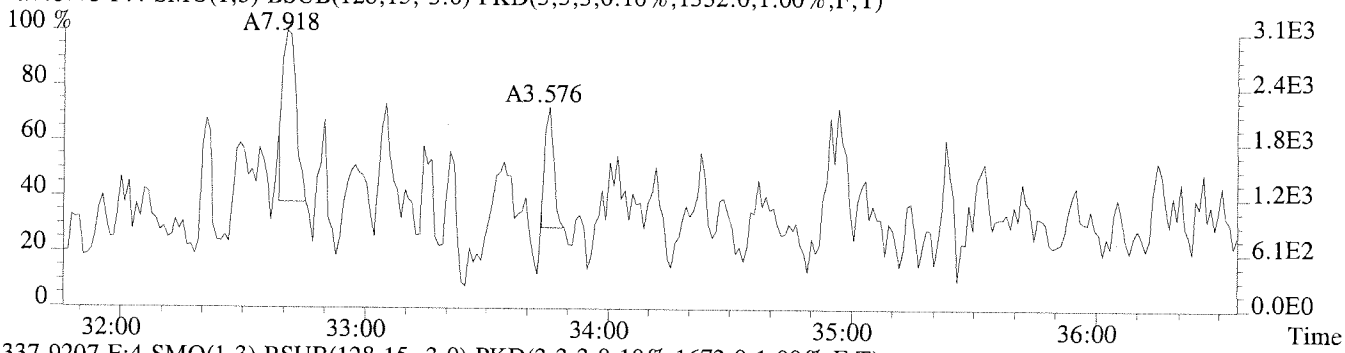


File:U139141 #1-308 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

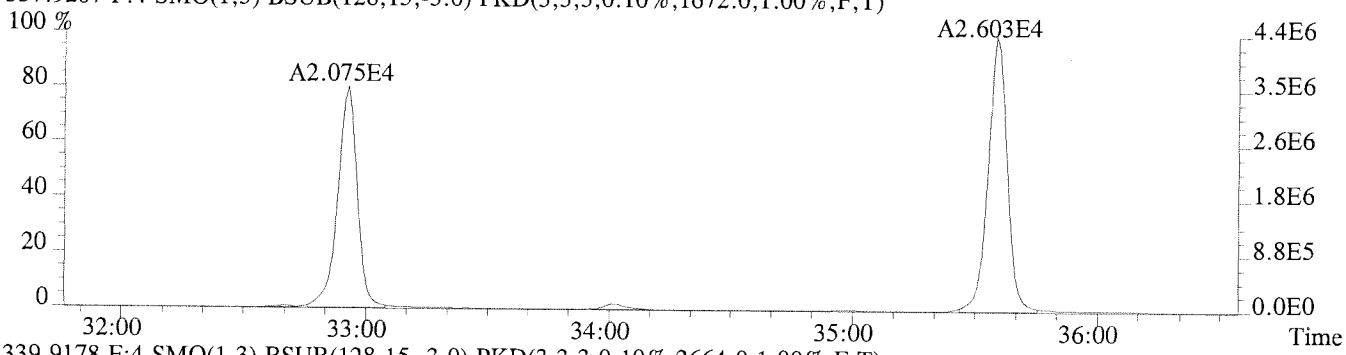
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,656.0,1.00%,F,T)



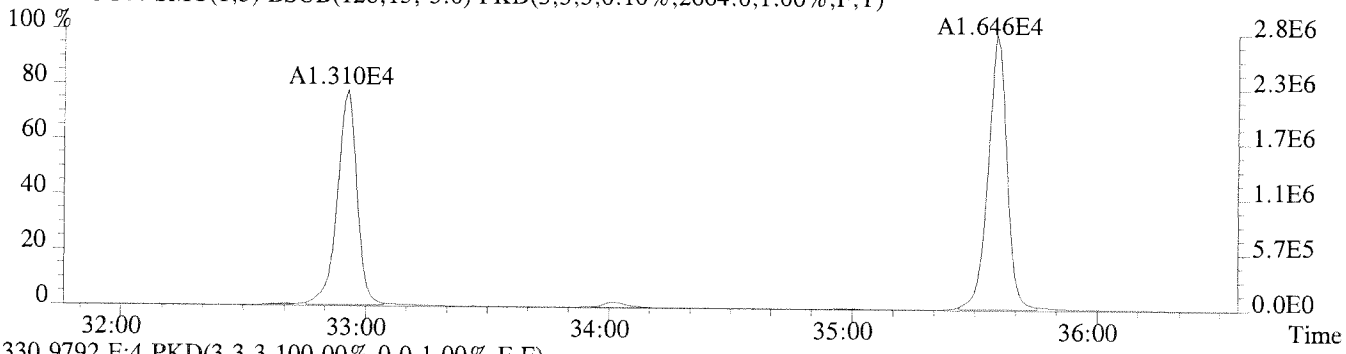
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1352.0,1.00%,F,T)



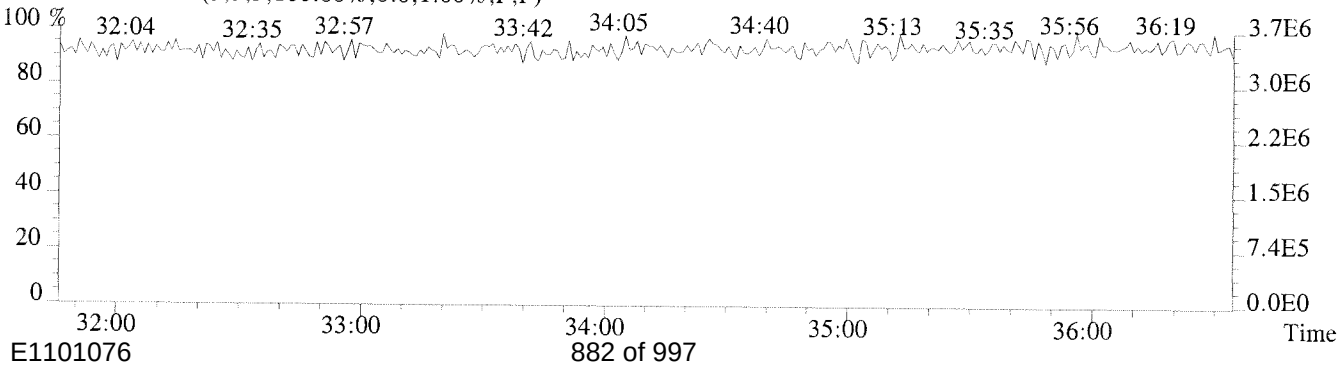
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1672.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2664.0,1.00%,F,T)

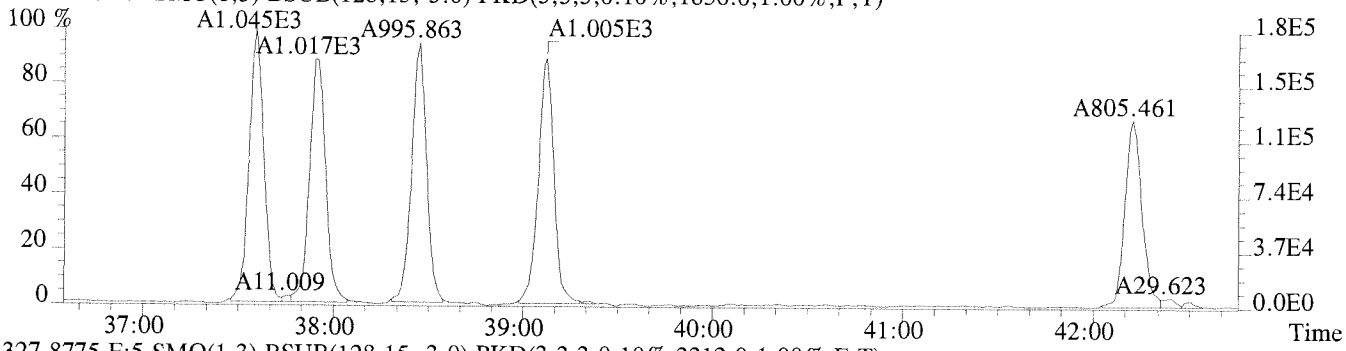


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

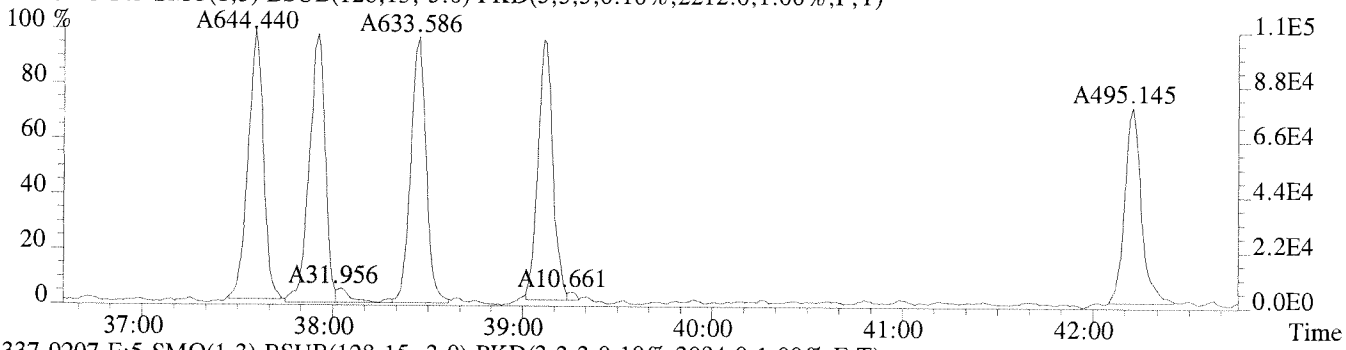


File:U139141 #1-395 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

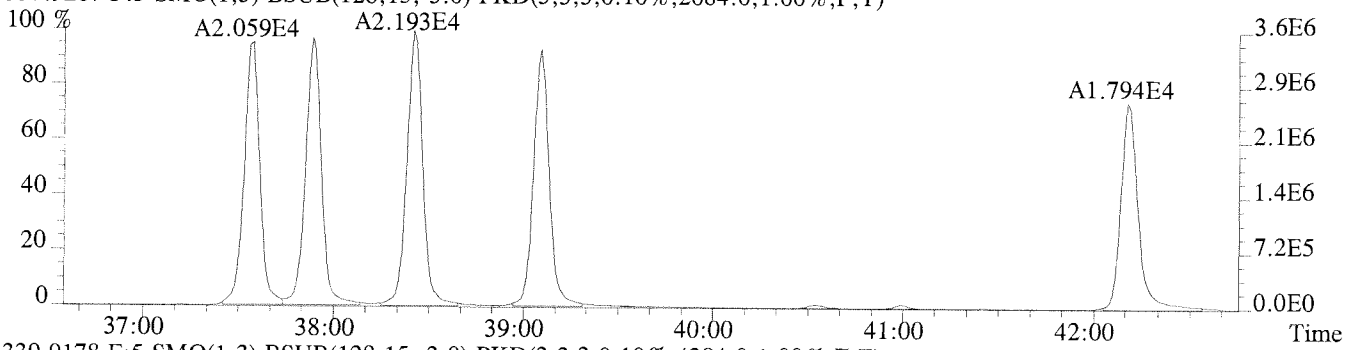
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1856.0,1.00%,F,T)



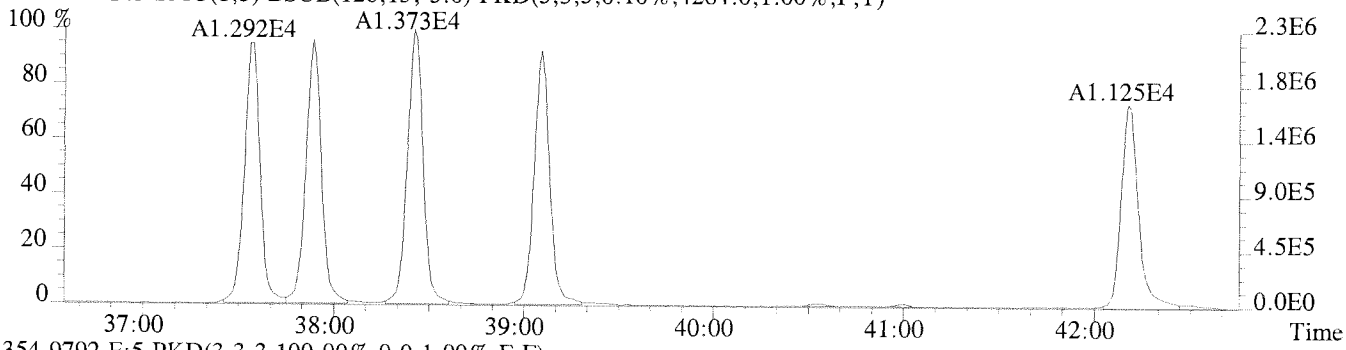
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2212.0,1.00%,F,T)



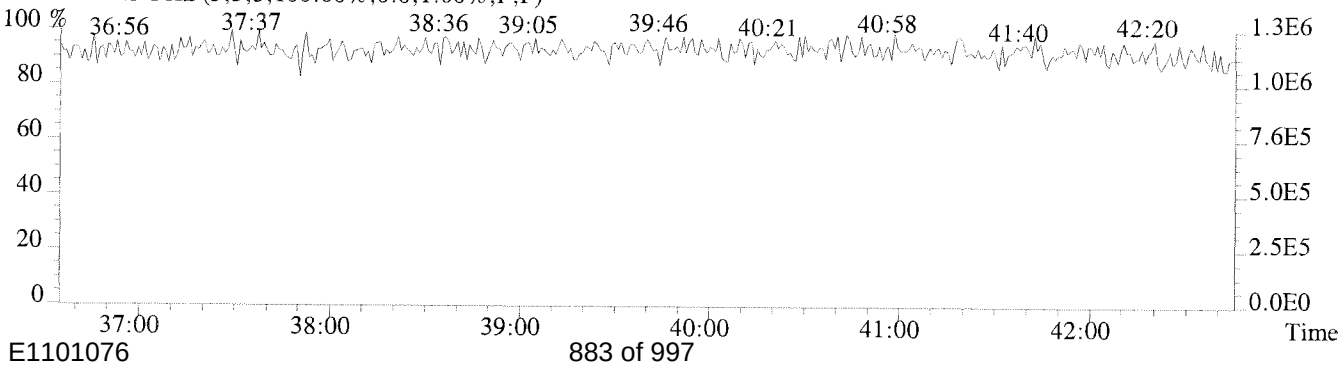
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2084.0,1.00%,F,T)



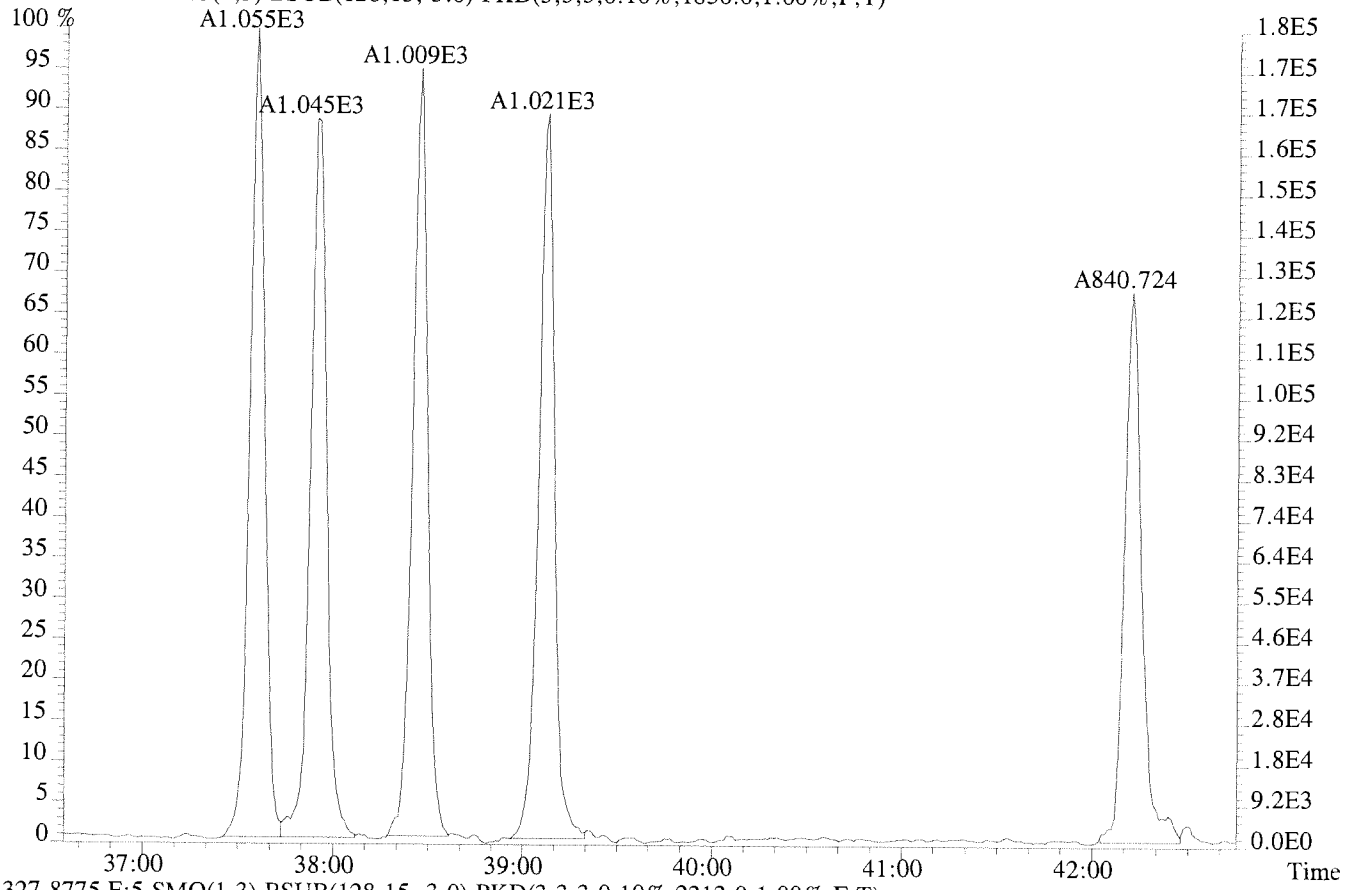
339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4284.0,1.00%,F,T)



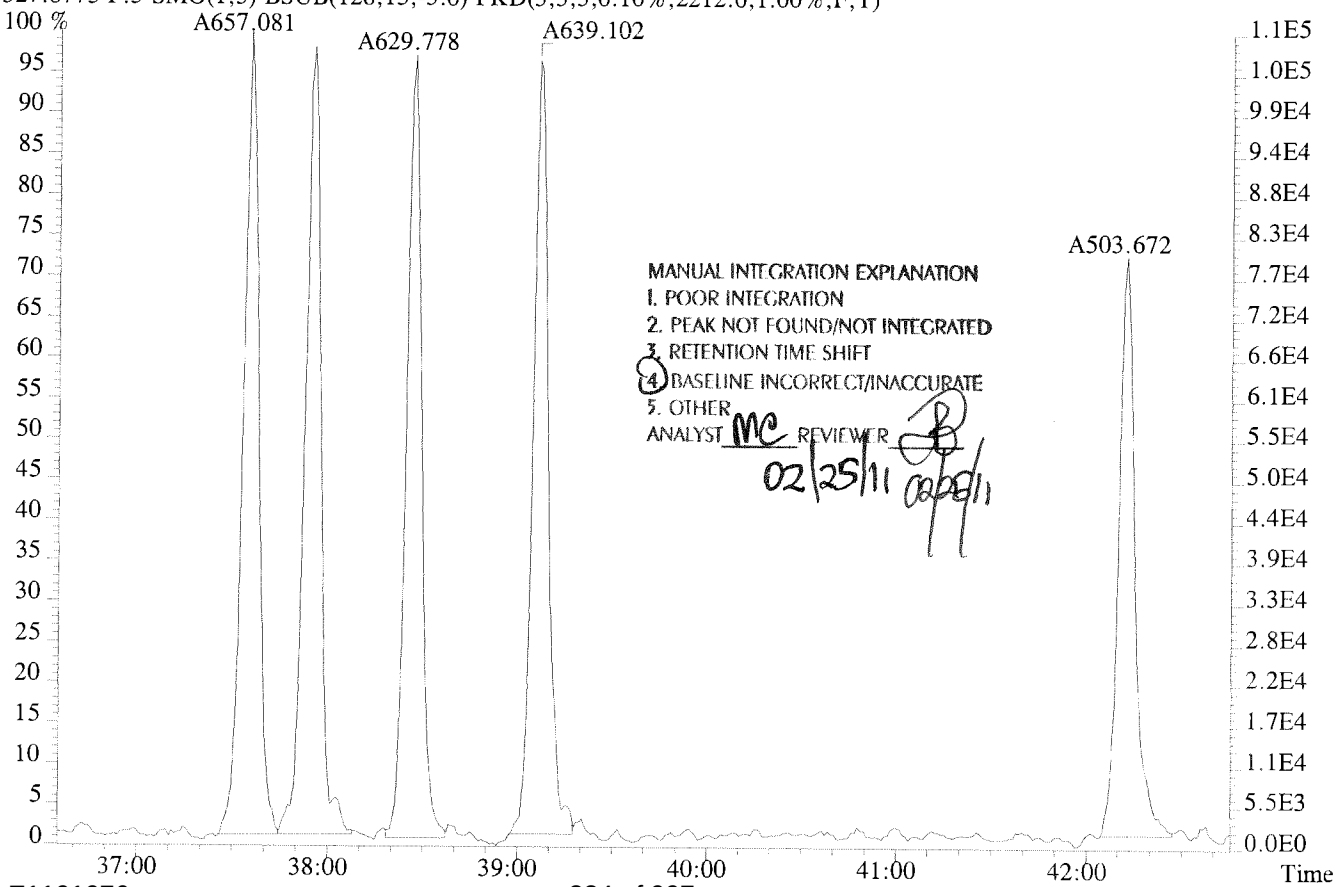
354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139141 #1-395 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1856.0,1.00%,F,T)



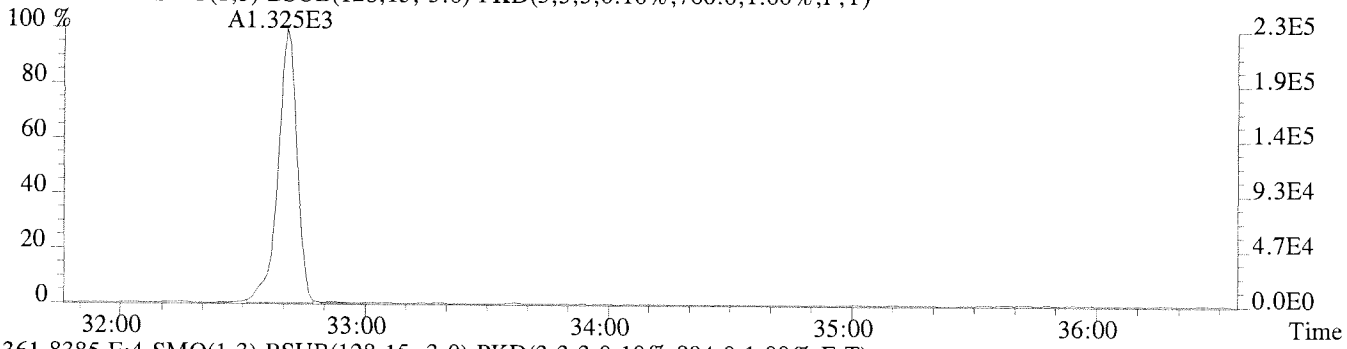
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2212.0,1.00%,F,T)



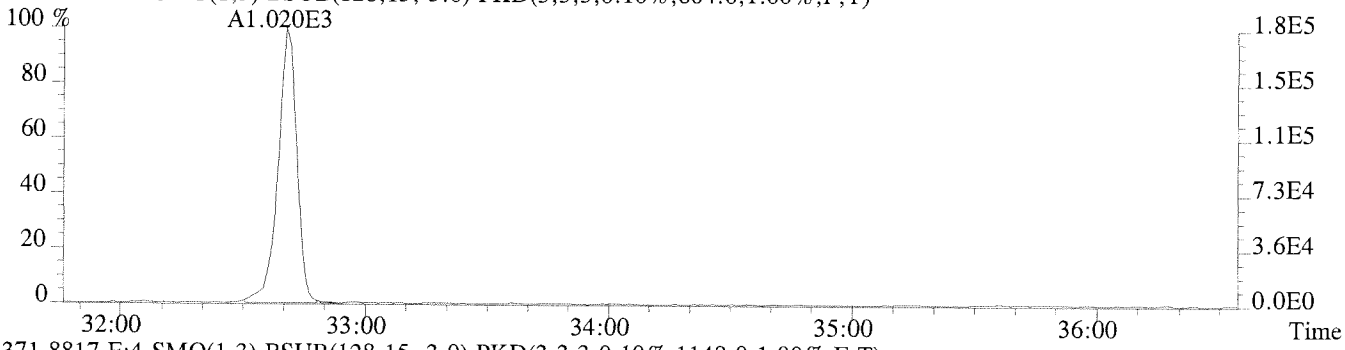
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/25/11 02/28/11

File:U139141 #1-308 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

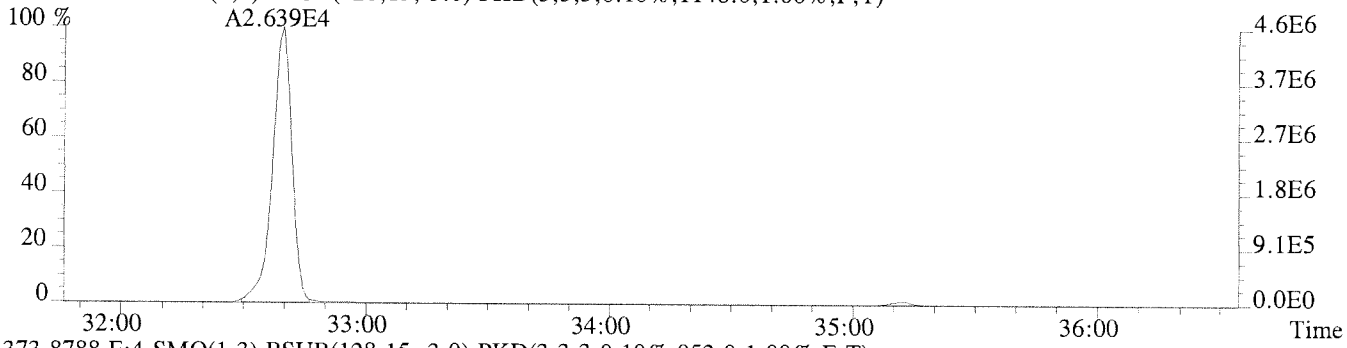
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,760.0,1.00%,F,T)



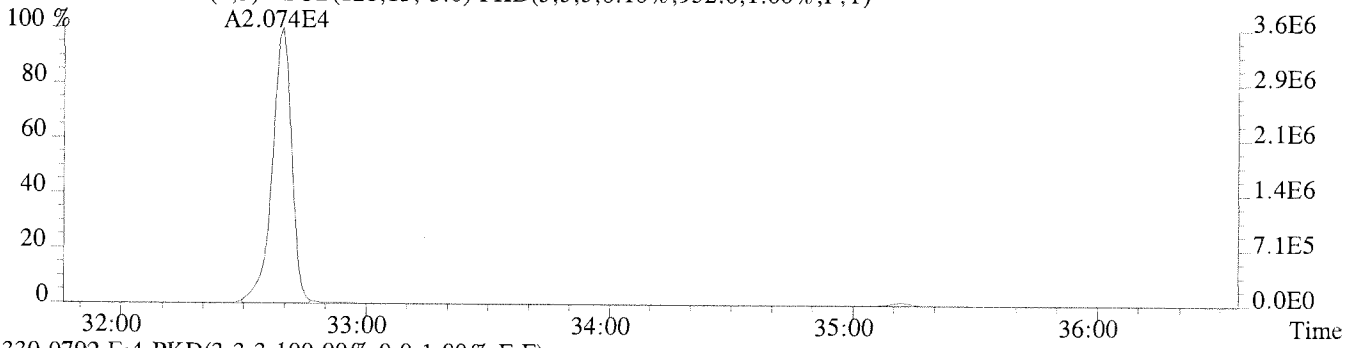
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,804.0,1.00%,F,T)



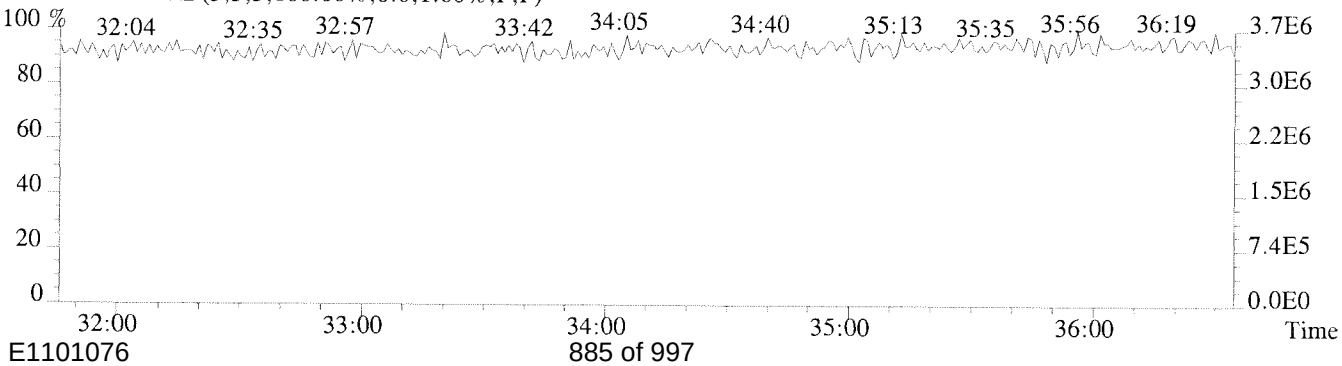
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1148.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,952.0,1.00%,F,T)

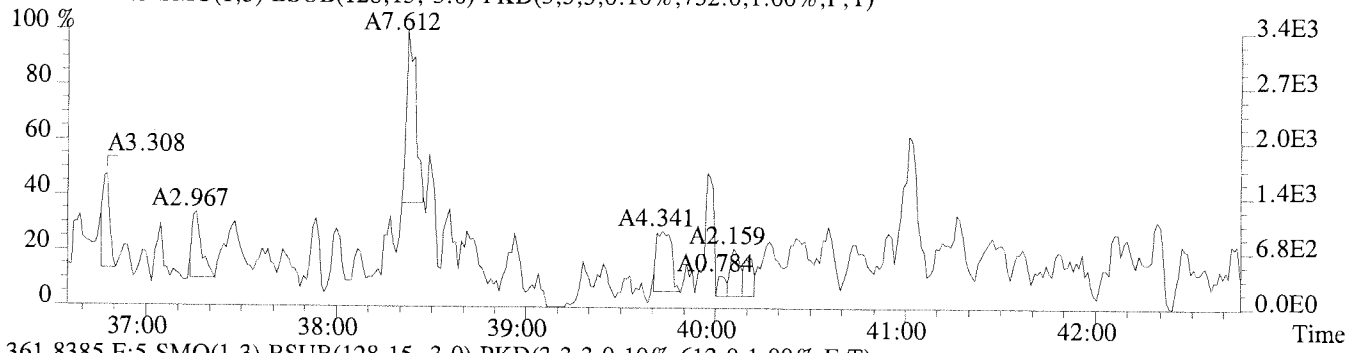


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

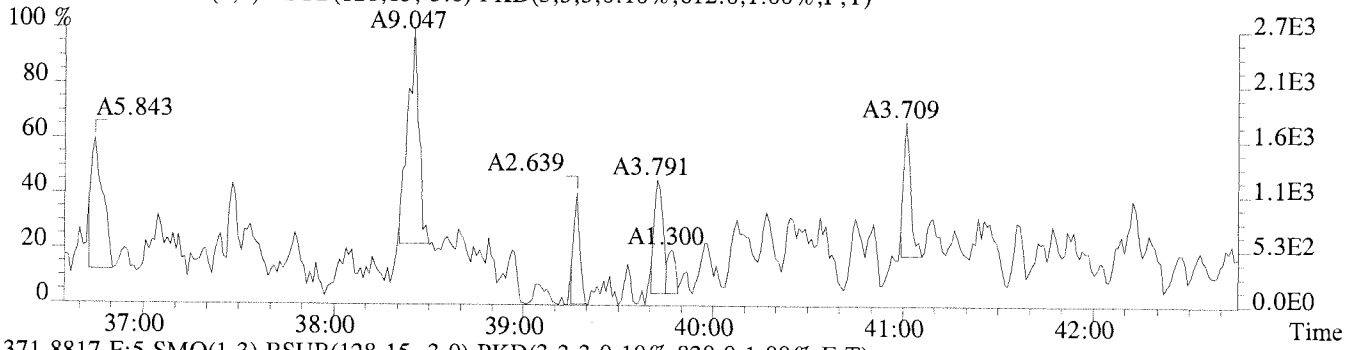


File:U139141 #1-395 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

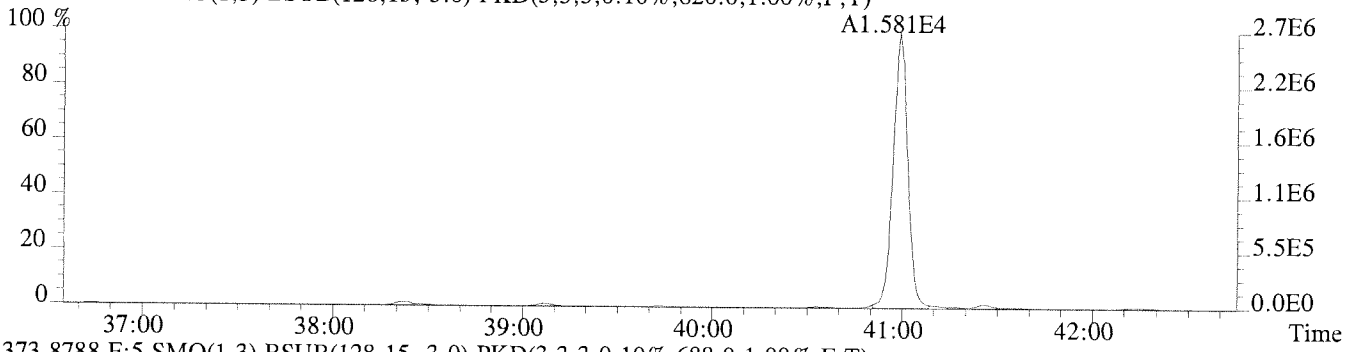
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,732.0,1.00%,F,T)



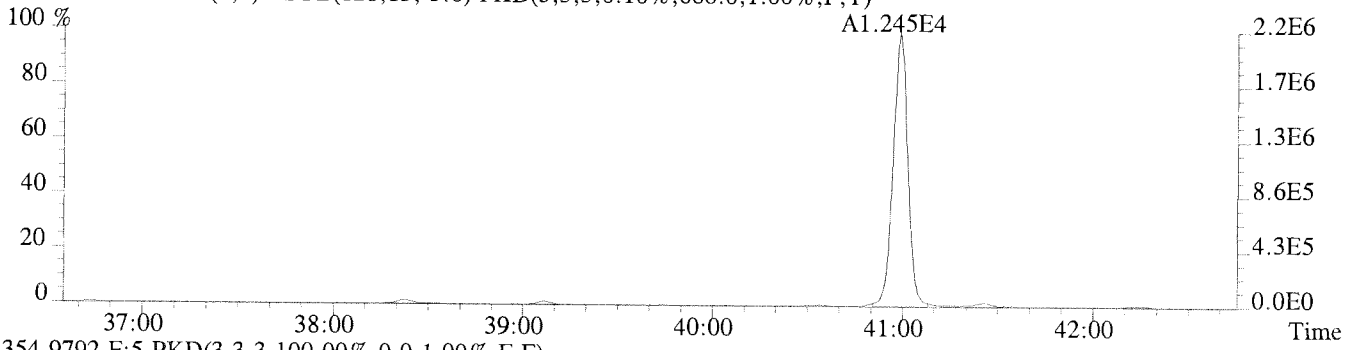
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,612.0,1.00%,F,T)



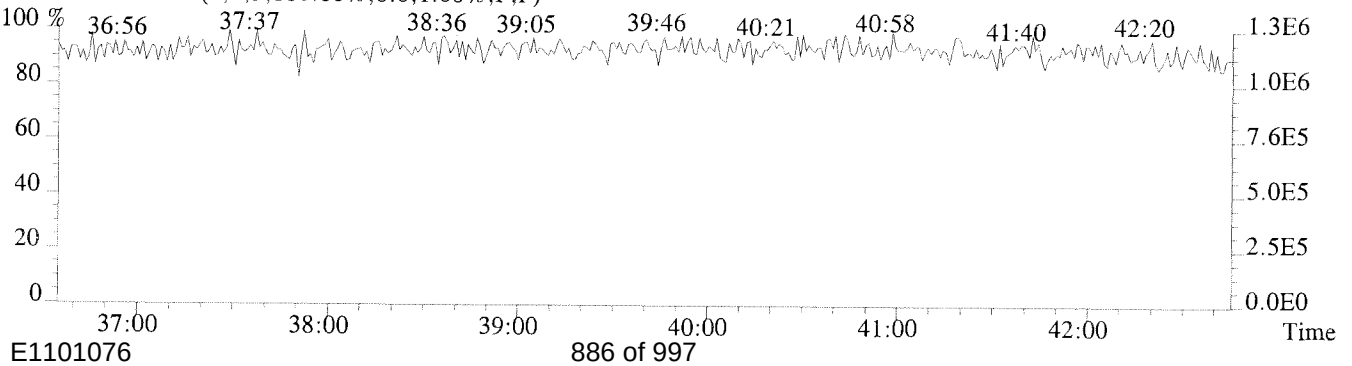
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,688.0,1.00%,F,T)

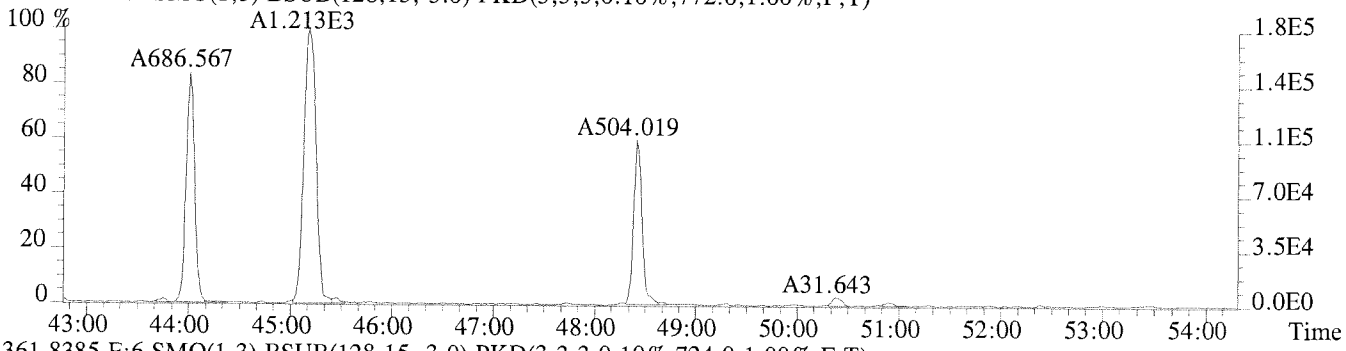


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

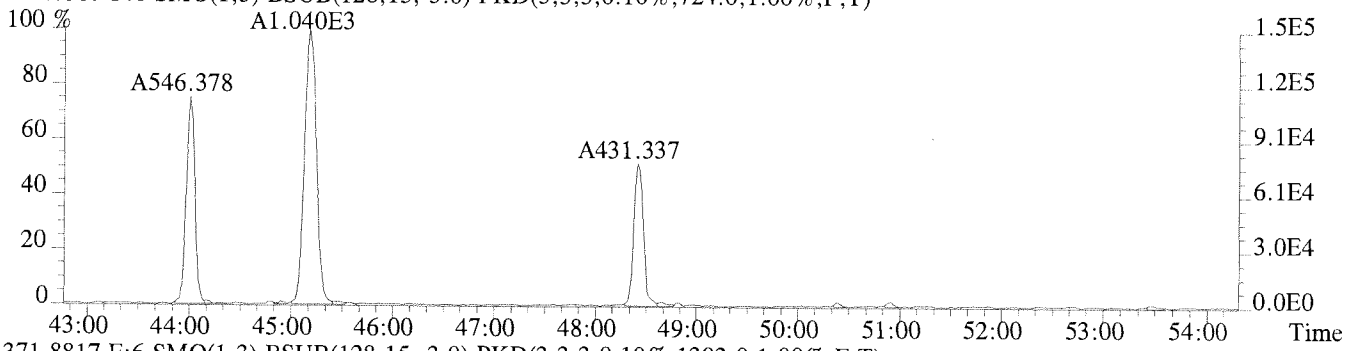


File:U139141 #1-572 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

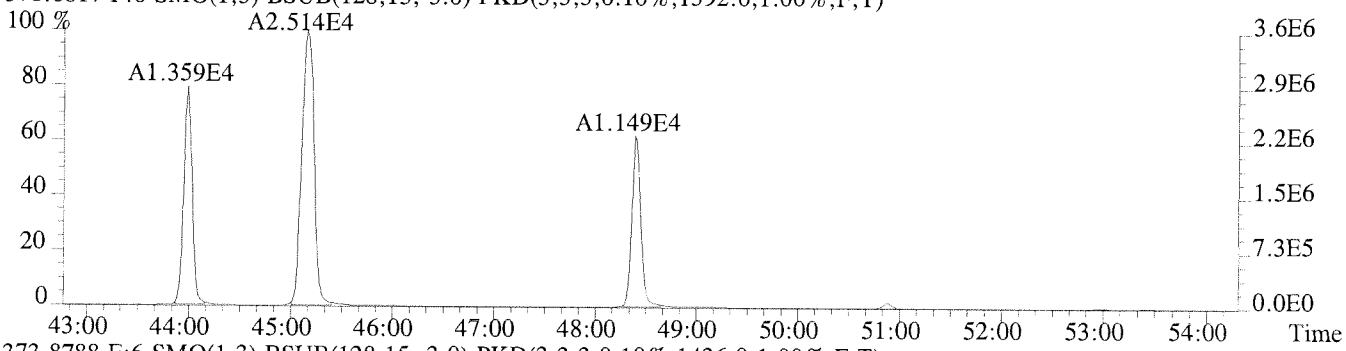
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,772.0,1.00%,F,T)



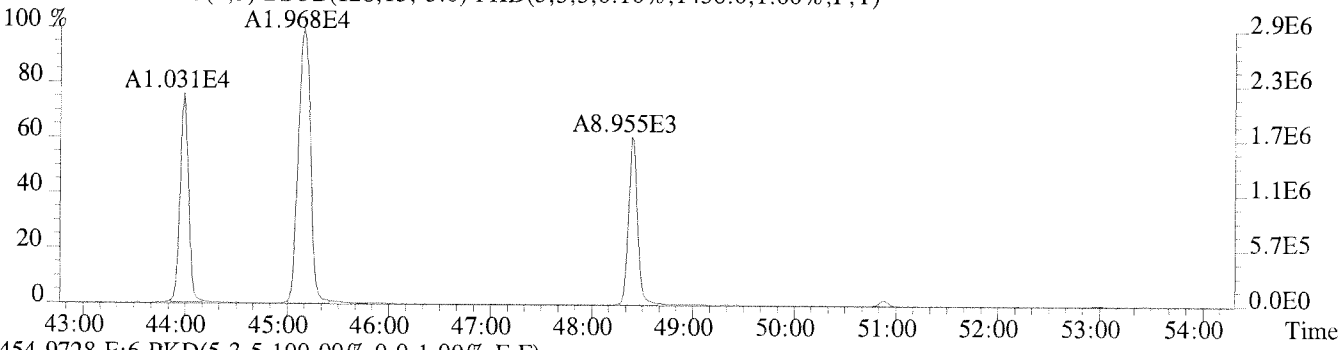
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)



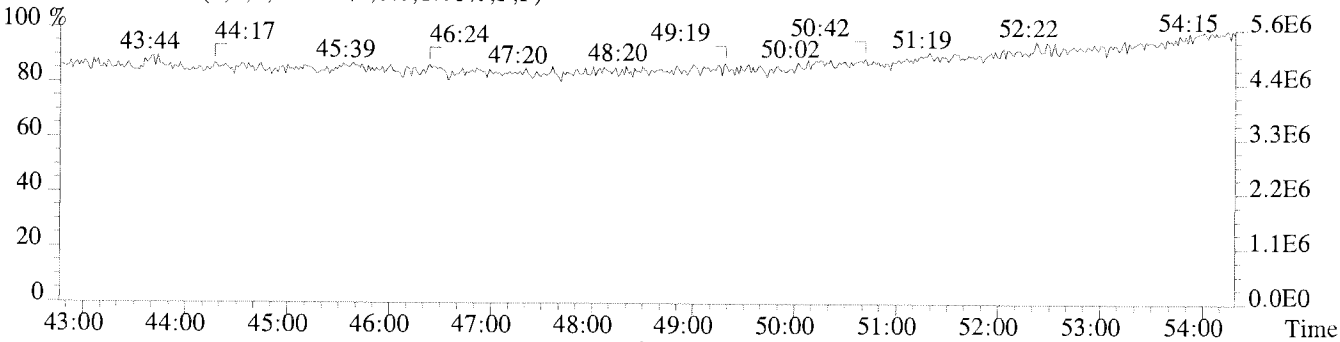
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1392.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1436.0,1.00%,F,T)

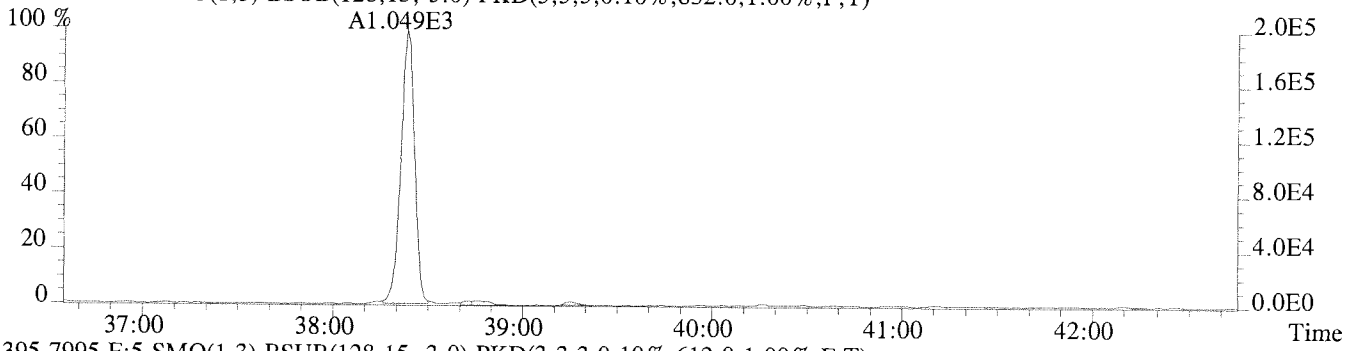


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

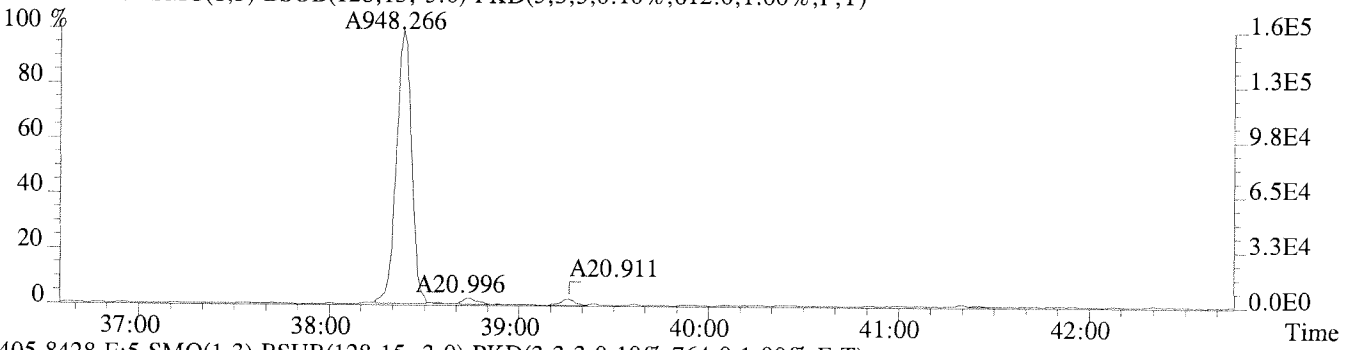


File:U139141 #1-395 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

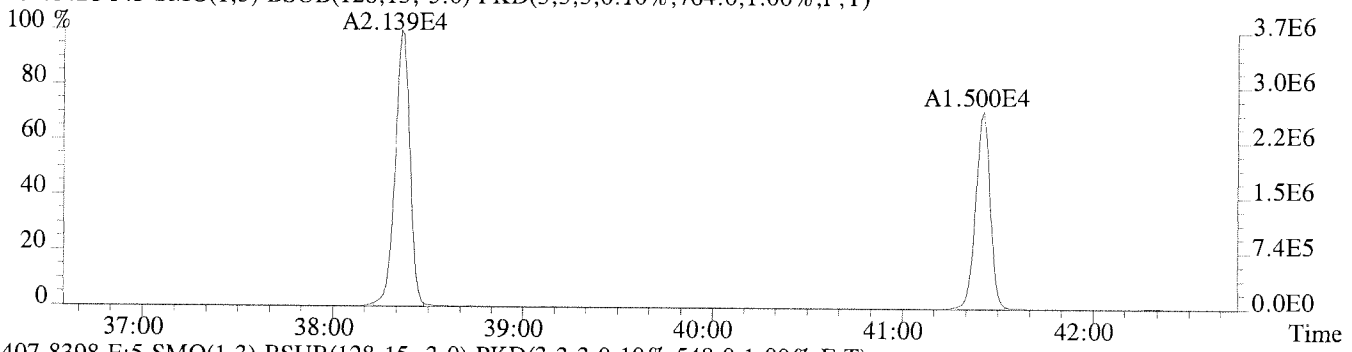
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,852.0,1.00%,F,T)



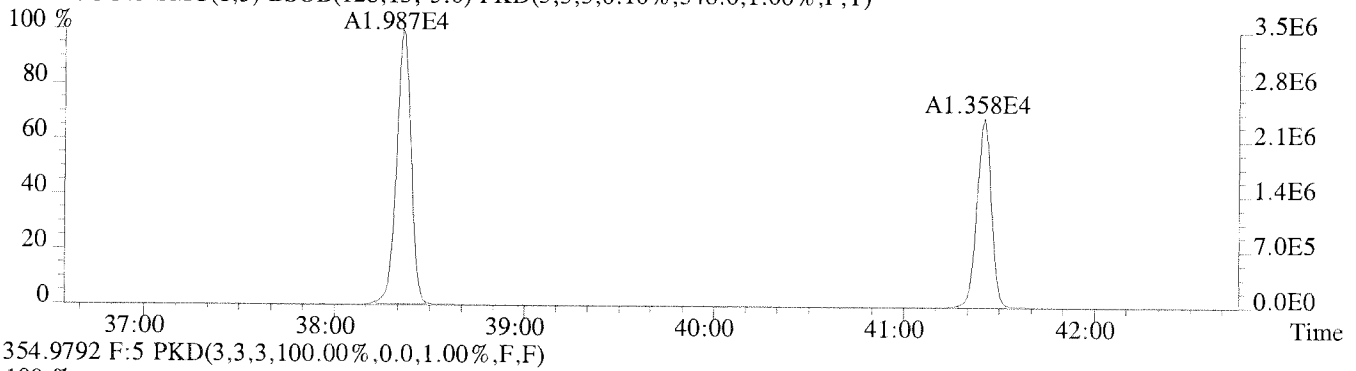
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,612.0,1.00%,F,T)



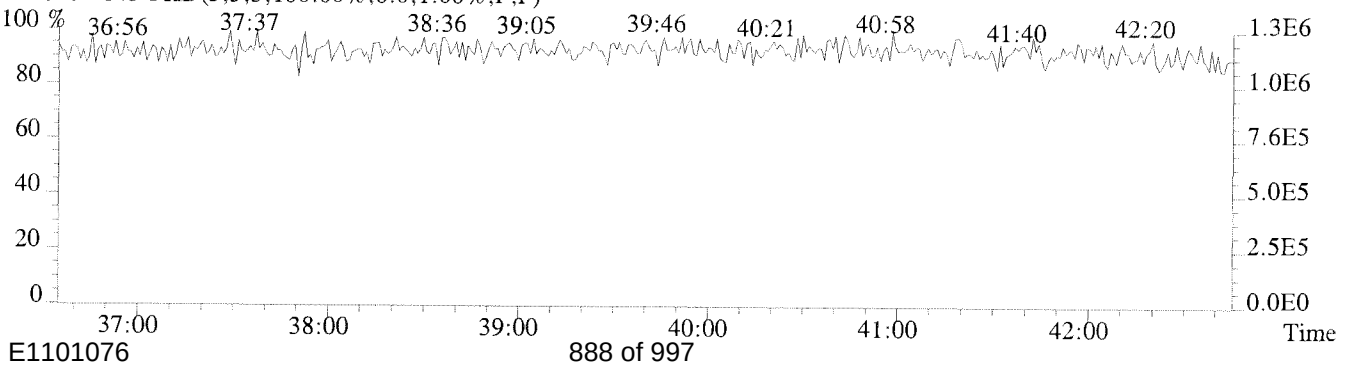
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,764.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,548.0,1.00%,F,T)

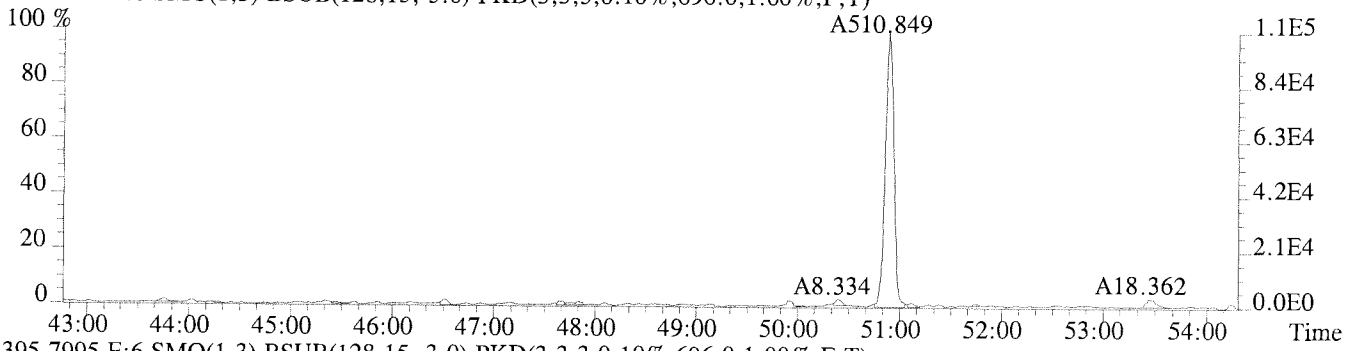


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

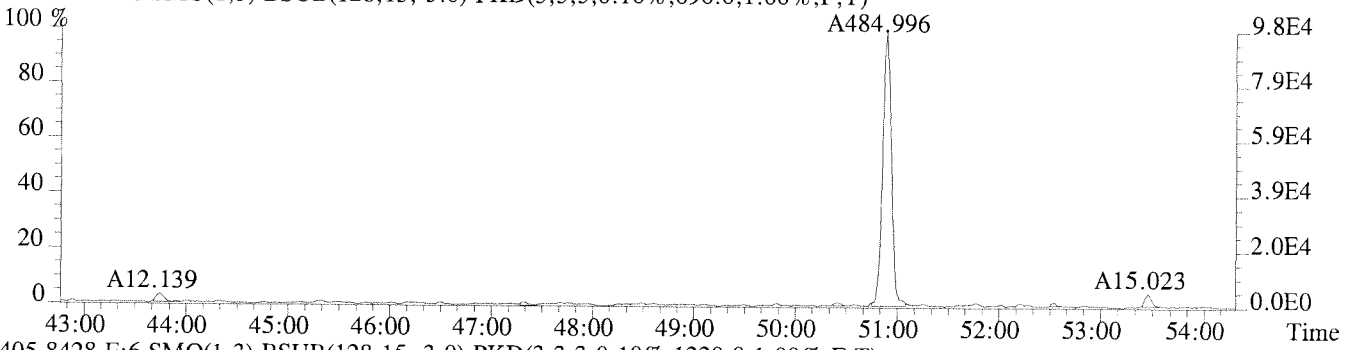


File:U139141 #1-572 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

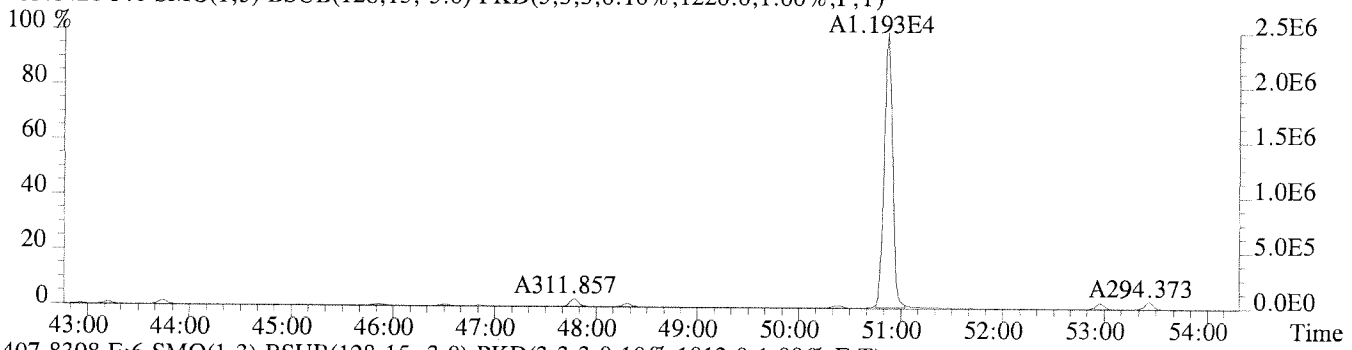
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,696.0,1.00%,F,T)



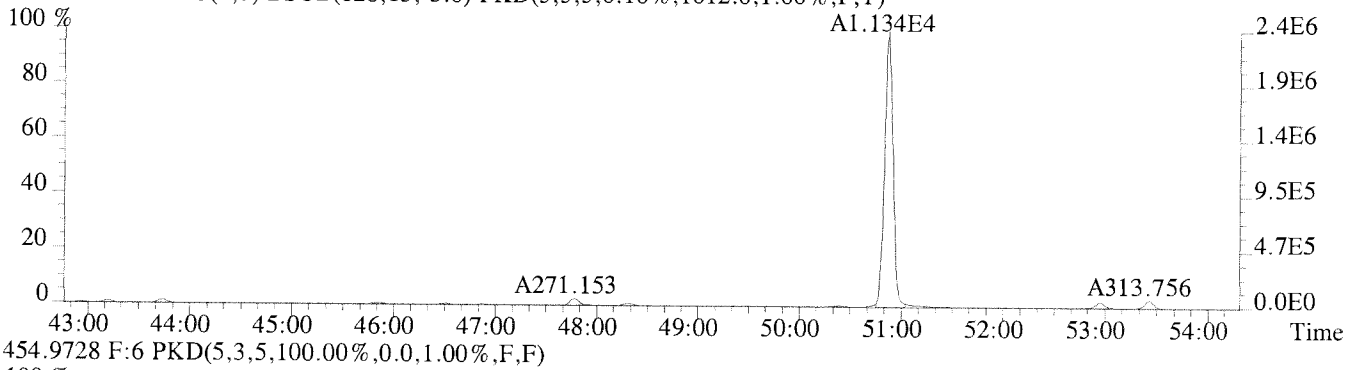
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,696.0,1.00%,F,T)



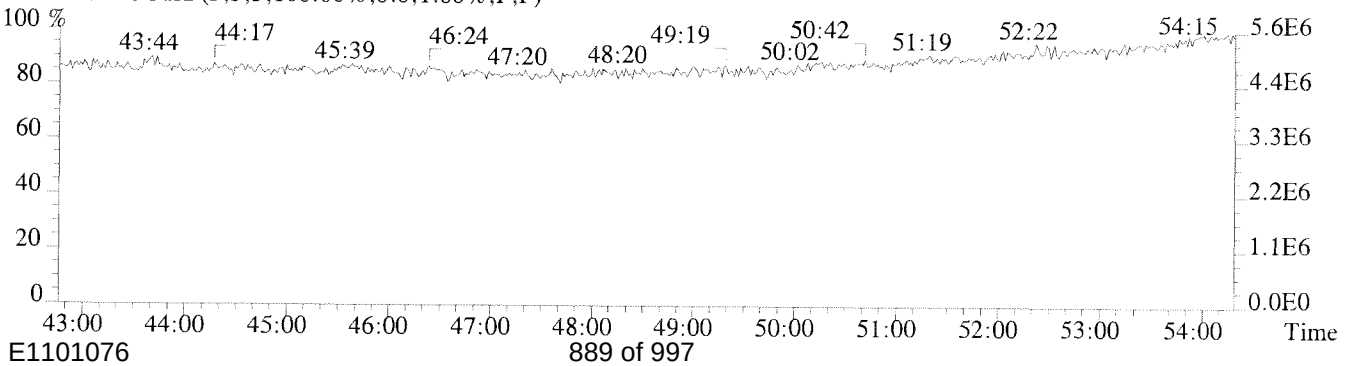
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1220.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1012.0,1.00%,F,T)

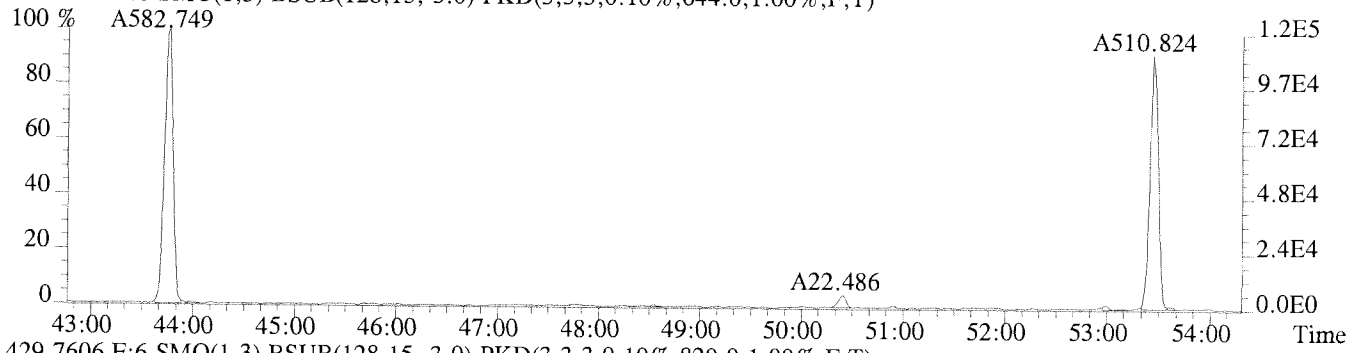


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

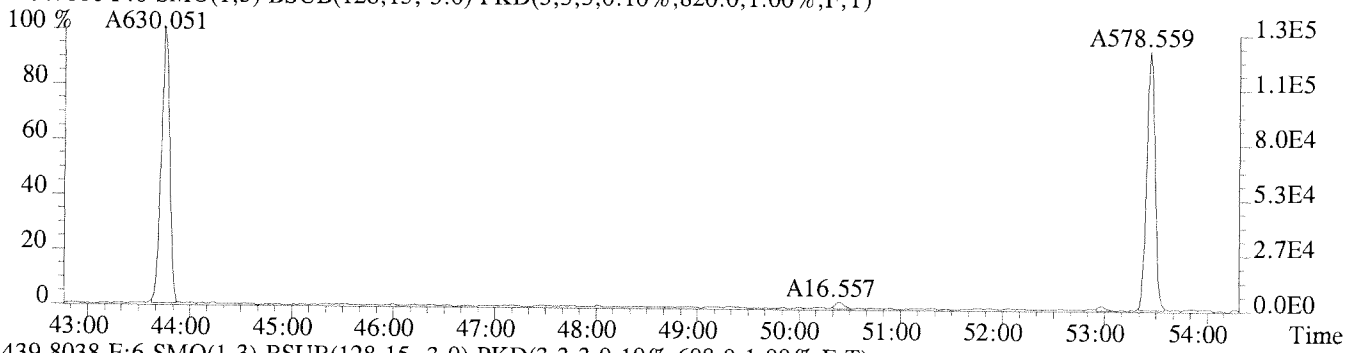


File:U139141 #1-572 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

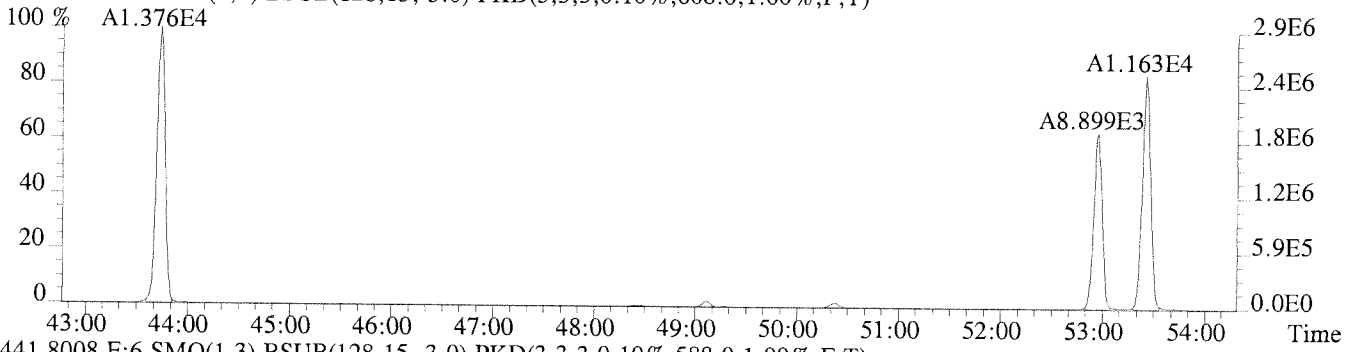
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,644.0,1.00%,F,T)



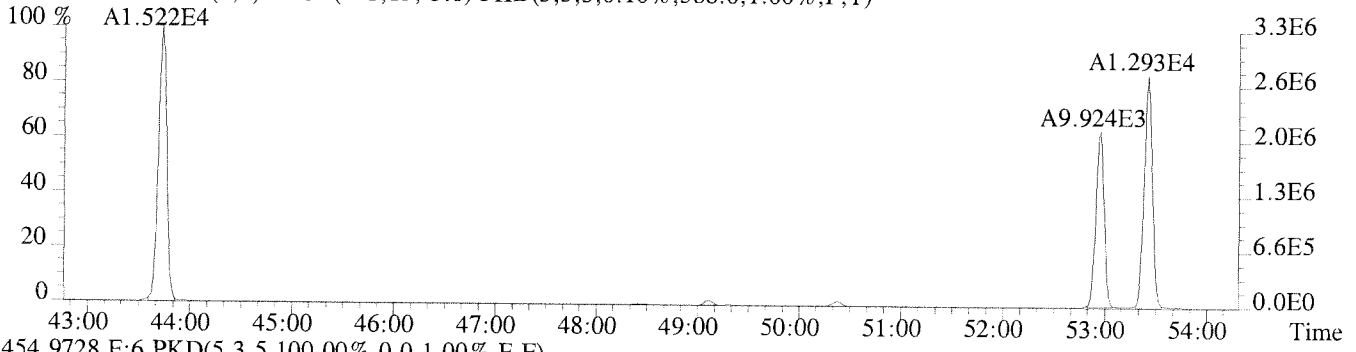
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



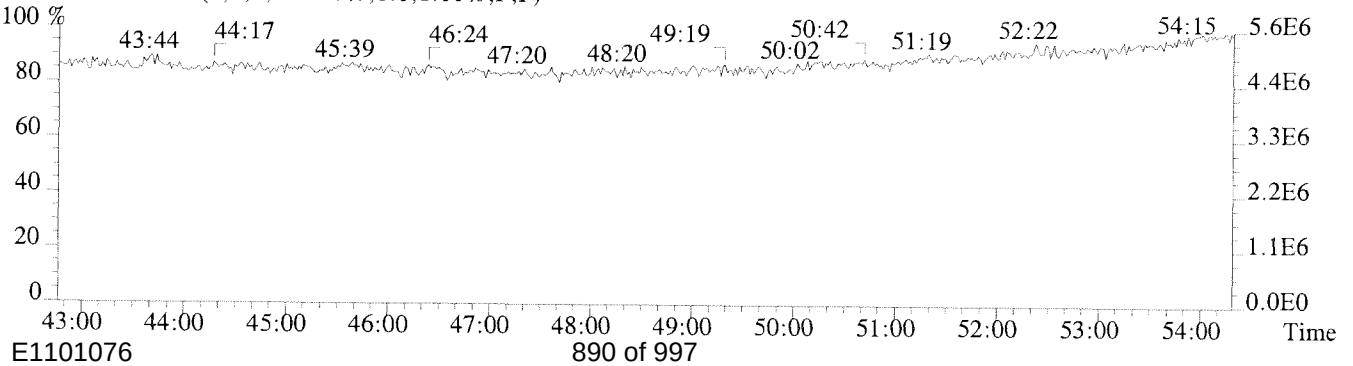
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,608.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,588.0,1.00%,F,T)

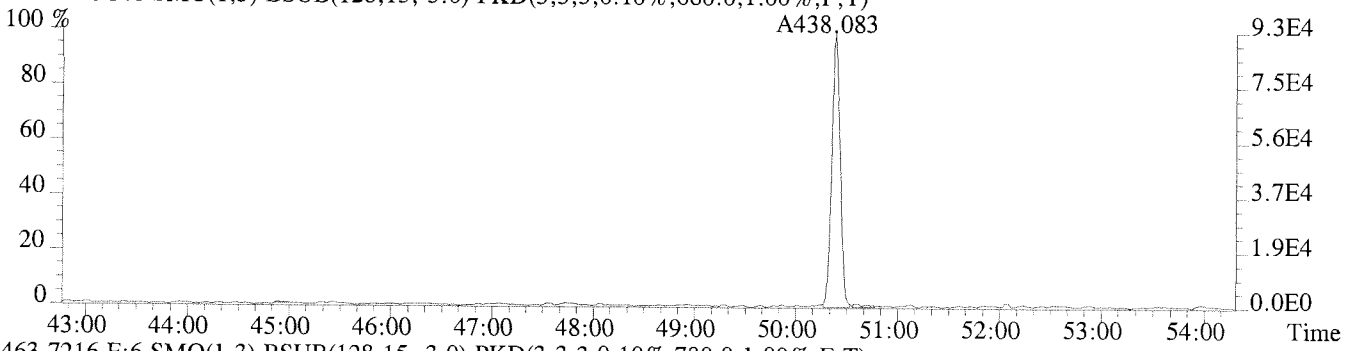


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

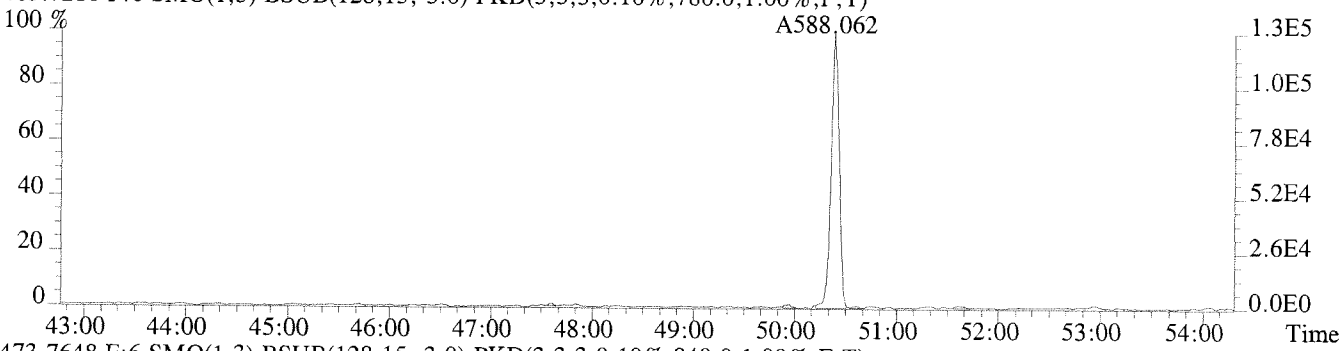


File:U139141 #1-572 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

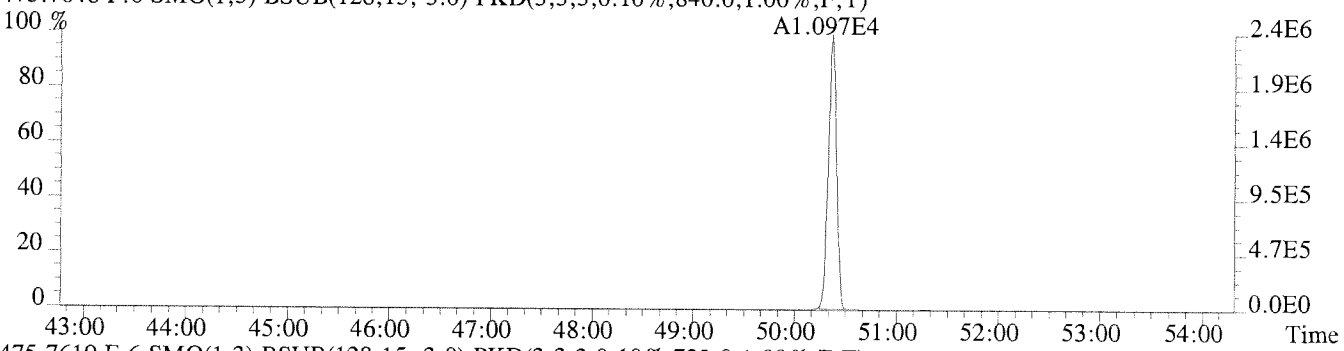
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,680.0,1.00%,F,T)



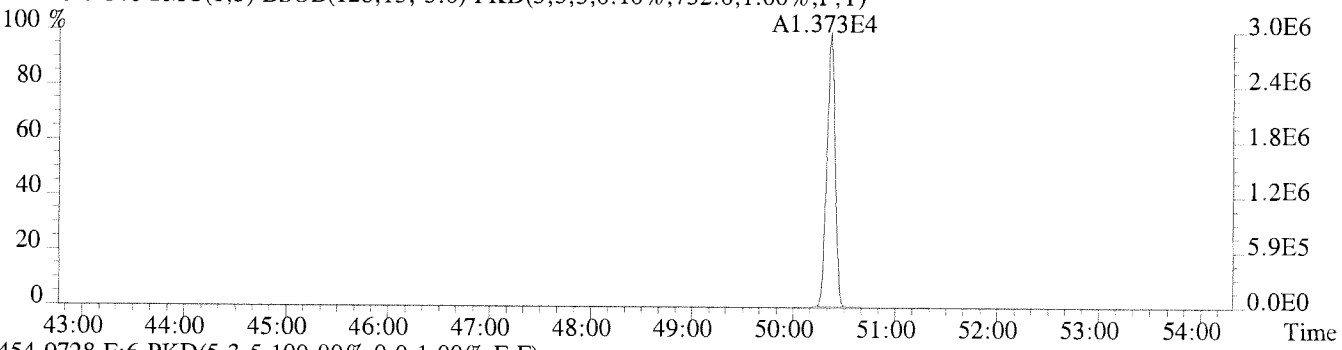
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



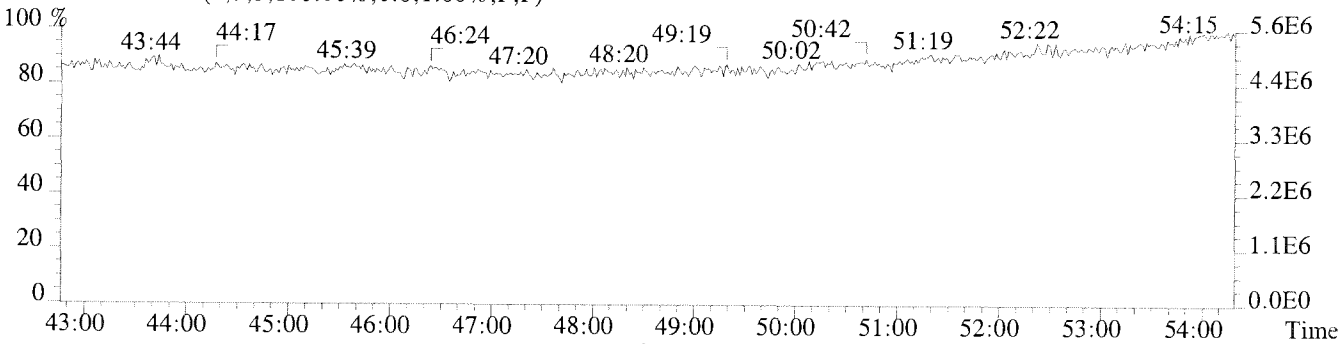
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,840.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,732.0,1.00%,F,T)

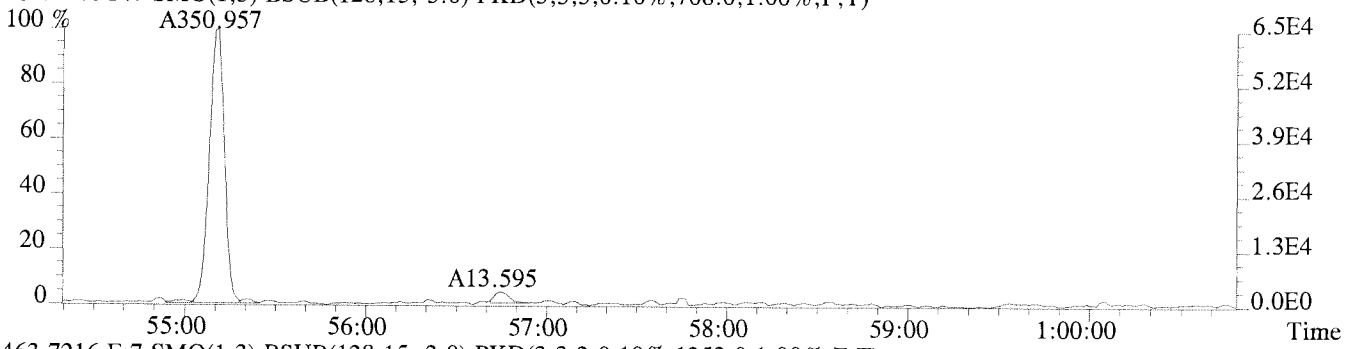


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

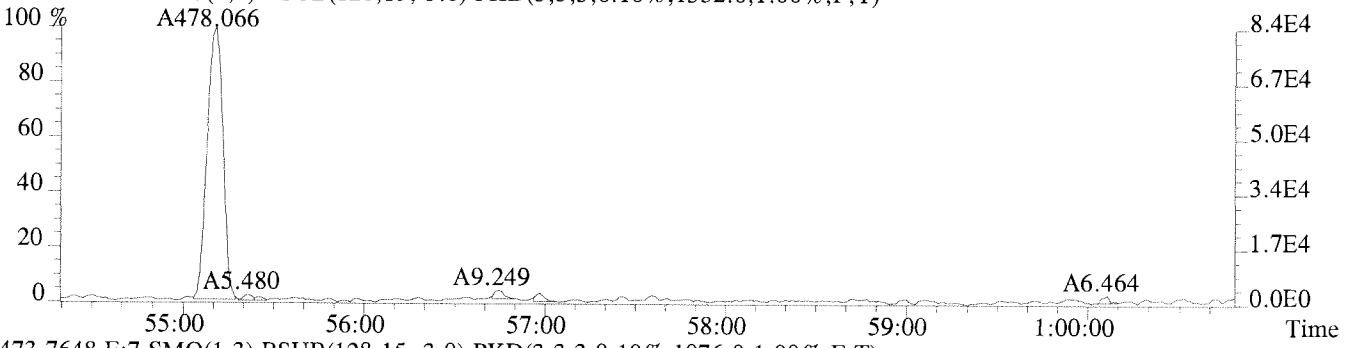


File:U139141 #1-366 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

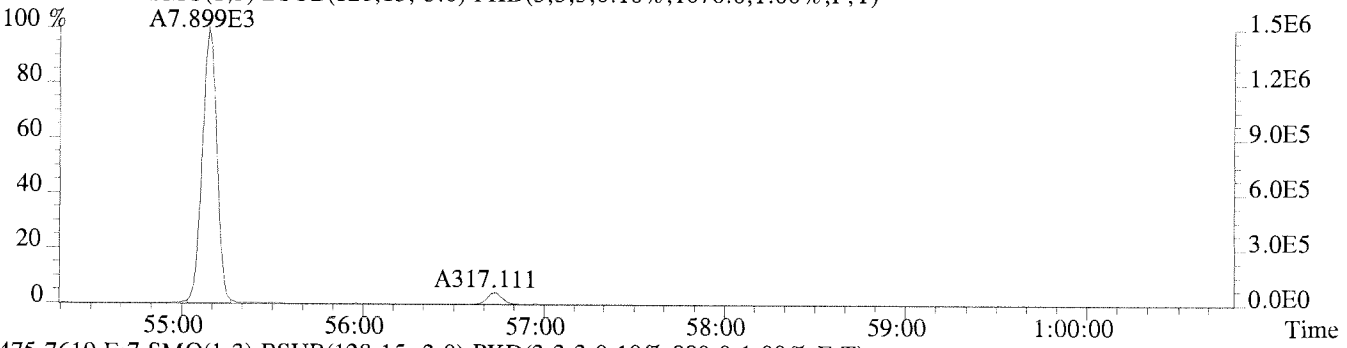
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,708.0,1.00%,F,T)



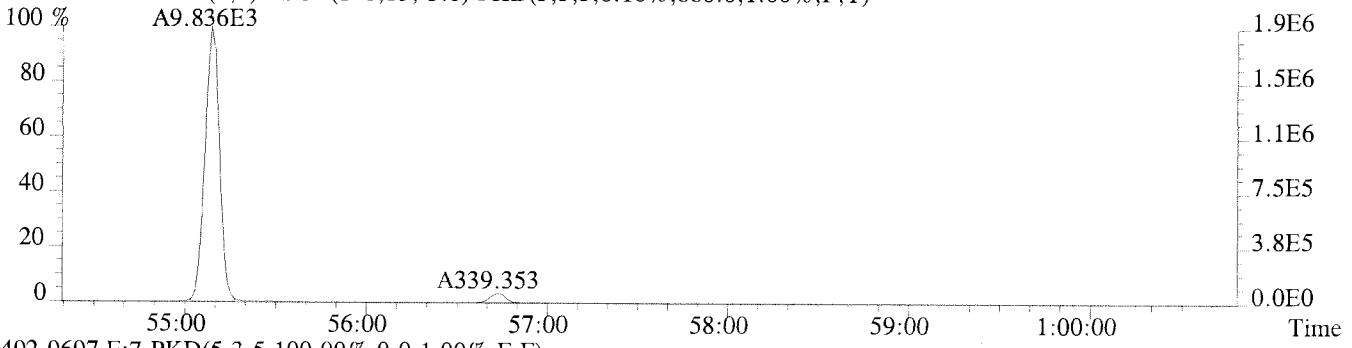
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1352.0,1.00%,F,T)



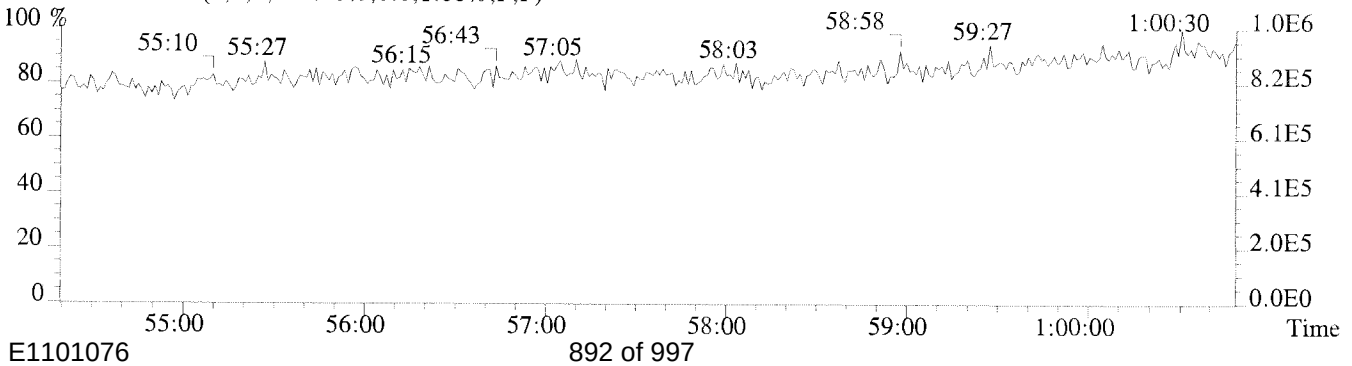
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1076.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)

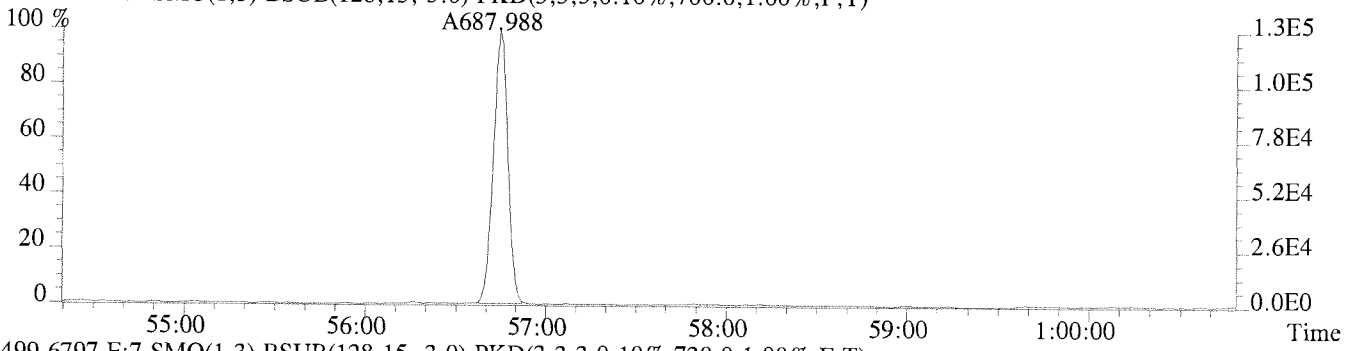


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

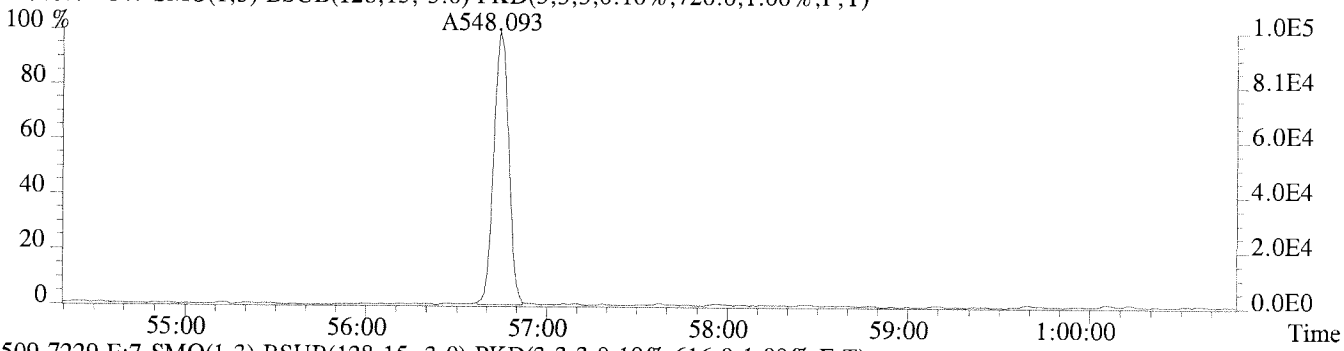


File:U139141 #1-366 Acq:23-FEB-2011 11:58:54 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS2

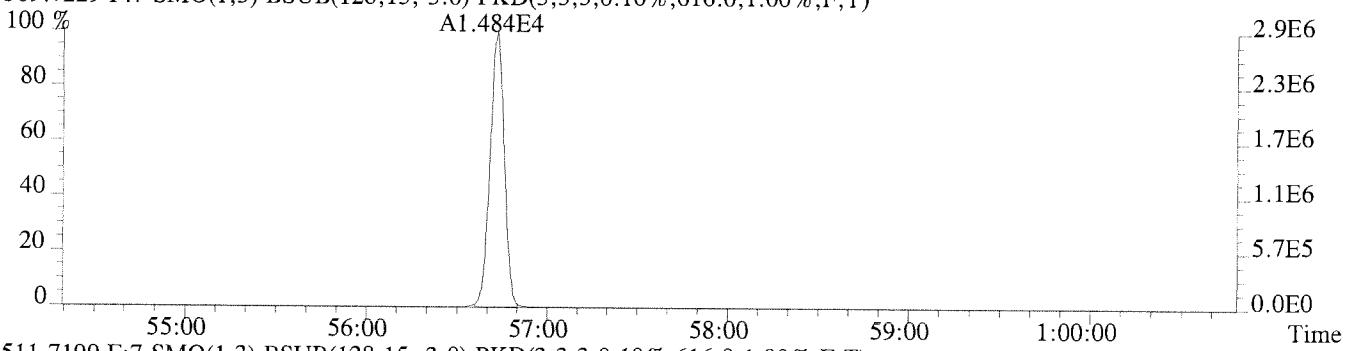
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,700.0,1.00%,F,T)



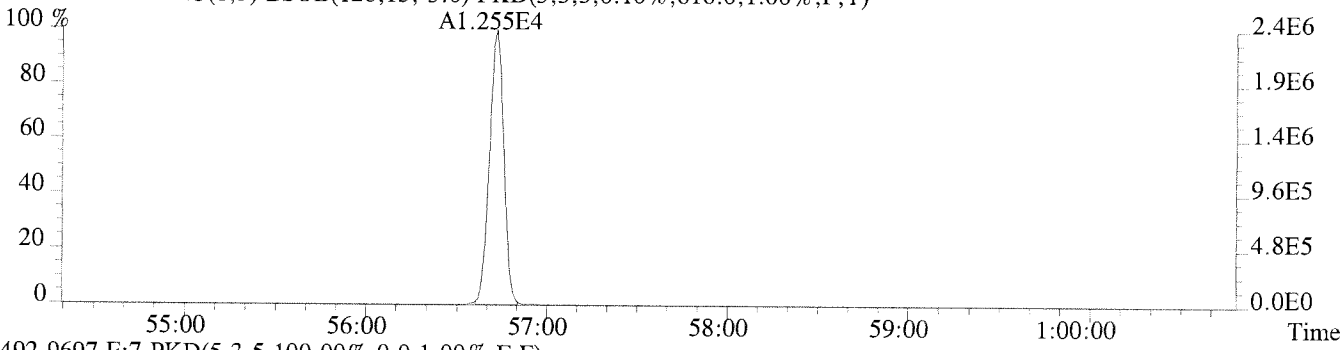
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,720.0,1.00%,F,T)



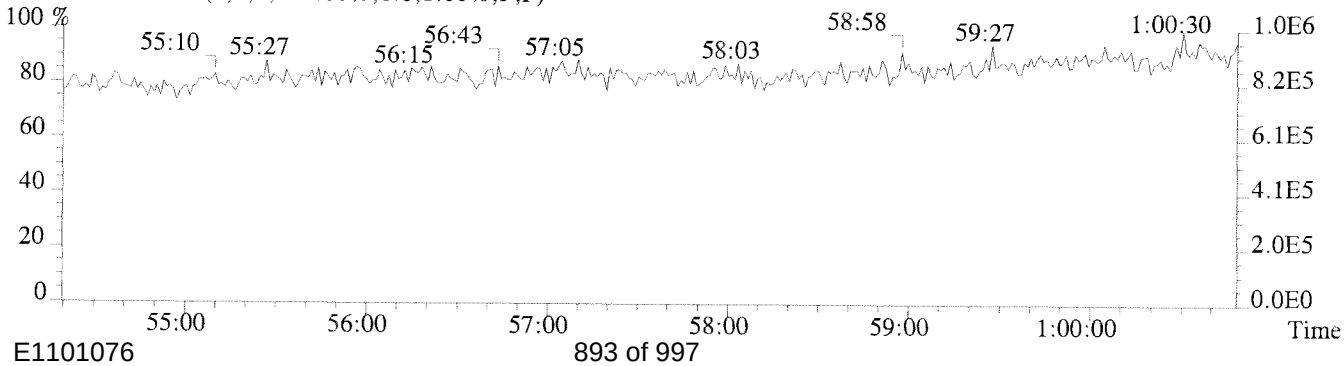
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,616.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,616.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
ICAL CS3

Run #3 Filename U139143 #1 Samp: 1 Inj: 1 Acquired: 23-FEB-11 14:38:18
Processed: 24-FEB-11 17:57:07 LAB. ID: ICAL CS3

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRT
1	1	2-MoCB	13:02	3.208e+04	1.031e+04	3.11	yes	no	1.001
2	3	4-MoCB	15:14	3.000e+04	9.553e+03	3.14	yes	no	1.001
3	4	22'-DiCB	15:27	1.748e+04	1.129e+04	1.55	yes	no	1.001
4	15	44'-DiCB	21:23	1.871e+04	1.164e+04	1.61	yes	no	1.002
5	19	22'6'-TrCB	18:33	1.041e+04	1.019e+04	1.02	yes	no	1.001
6	37	344'-TrCB	28:23	1.467e+04	1.384e+04	1.06	yes	no	1.001
7	54	22'66'-TeCB	21:37	1.140e+04	1.477e+04	0.77	yes	no	1.001
8	81	344'5-TeCB	35:06	9.749e+03	1.284e+04	0.76	yes	no	1.001
9	77	33'44'-TeCB	35:40	9.451e+03	1.252e+04	0.75	yes	no	1.000
10	104	22'466'-PeCB	27:04	1.694e+04	1.065e+04	1.59	yes	no	1.001
11	123	2'344'5-PeCB	37:36	1.240e+04	8.046e+03	1.54	yes	no	1.000
12	118	23'44'5-PeCB	37:56	1.288e+04	8.063e+03	1.60	yes	no	1.001
13	114	2344'5-PeCB	38:28	1.266e+04	8.074e+03	1.57	yes	no	1.001
14	105	233'44'-PeCB	39:07	1.225e+04	7.891e+03	1.55	yes	no	1.000
15	126	33'44'5-PeCB	42:13	1.117e+04	6.797e+03	1.64	yes	no	1.000
16	155	22'44'66'-HxCB	32:42	1.484e+04	1.189e+04	1.25	yes	no	1.001
17	167	23'44'55'-HxCB	44:02	7.943e+03	6.446e+03	1.23	yes	no	1.001
18	156/7	233'44'5-HxCB	45:12	1.498e+04	1.197e+04	1.25	yes	no	1.000
19	169	33'44'55'-HxCB	48:26	6.375e+03	5.019e+03	1.27	yes	no	1.000
20	188	22'34'566'-HpCB	38:24	1.205e+04	1.165e+04	1.03	yes	no	1.000
21	189	233'44'55'-HpCB	50:55	5.652e+03	5.485e+03	1.03	yes	no	1.001
22	202	22'33'55'66'-OcCB	43:46	6.857e+03	7.745e+03	0.89	yes	no	1.000
23	205	233'44'55'6-OcCB	53:28	5.607e+03	6.339e+03	0.88	yes	no	1.000
24	208	22'33'4'55'66'-NoCB	50:25	5.186e+03	6.590e+03	0.79	yes	no	1.001
25	206	22'33'44'55'6-NoCB	55:11	3.794e+03	4.902e+03	0.77	yes	no	1.000
26	209	DeCB	56:46	7.151e+03	6.118e+03	1.17	yes	no	1.000
27	1L	13C-2-MoCB	13:01	6.007e+04	1.958e+04	3.07	yes	no	0.748
28	3L	13C-4-MoCB	15:13	5.636e+04	1.786e+04	3.16	yes	yes	0.875
29	4L	13C-22'-DiCB	15:26	3.142e+04	1.976e+04	1.59	yes	no	0.887
30	15L	13C-44'-DiCB	21:21	3.731e+04	2.397e+04	1.56	yes	no	1.227
31	19L	13C-22'6'-TrCB	18:32	2.060e+04	1.955e+04	1.05	yes	no	1.065
32	37L	13C-344'-TrCB	28:21	2.670e+04	2.505e+04	1.07	yes	no	1.085
33	54L	13C-22'66'-TeCB	21:36	2.209e+04	2.760e+04	0.80	yes	no	0.827
34	81L	13C-344'5-TeCB	35:04	1.877e+04	2.369e+04	0.79	yes	no	1.342
35	77L	13C-33'44'-TeCB	35:39	1.869e+04	2.341e+04	0.80	yes	no	1.364
36	104L	13C-22'466'-PeCB	27:03	3.187e+04	2.053e+04	1.55	yes	no	0.821
37	123L	13C-2'344'5-PeCB	37:35	2.414e+04	1.532e+04	1.58	yes	no	1.141
38	118L	13C-23'44'5-PeCB	37:54	2.583e+04	1.631e+04	1.58	yes	no	1.150
39	114L	13C-2344'5-PeCB	38:26	2.408e+04	1.526e+04	1.58	yes	no	1.166
40	105L	13C-233'44'-PeCB	39:07	2.338e+04	1.479e+04	1.58	yes	no	1.187
41	126L	13C-33'44'5-PeCB	42:12	2.090e+04	1.333e+04	1.57	yes	no	1.281
42	155L	13C-22'44'66'-HxCB	32:41	2.878e+04	2.305e+04	1.25	yes	no	0.797
43	167L	13C-23'44'55'-HxCB	44:00	1.561e+04	1.219e+04	1.28	yes	no	1.073
44	156/7	13C-233'44'5'-HxCB	45:11	2.938e+04	2.337e+04	1.26	yes	no	1.102
45	169L	13C-33'44'55'-HxCB	48:25	1.217e+04	9.481e+03	1.28	yes	no	1.181
46	188L	13C-22'34'566'-HpCB	38:23	2.450e+04	2.315e+04	1.06	yes	no	0.725
47	189L	13C-233'44'55'-HpCB	50:53	1.210e+04	1.159e+04	1.04	yes	no	0.961
48	202L	13C-22'33'55'66'-OcCB	43:45	1.530e+04	1.681e+04	0.91	yes	no	0.826
49	205L	13C-233'44'55'6-OcCB	53:27	1.210e+04	1.375e+04	0.88	yes	no	1.009
50	208L	13C-22'33'4'55'66'-NoCB	50:22	1.109e+04	1.392e+04	0.80	yes	no	0.951
51	206L	13C-22'33'44'55'6-NoCB	55:10	7.825e+03	1.020e+04	0.77	yes	no	1.042
52	209L	13C-DeCB	56:45	1.516e+04	1.299e+04	1.17	yes	no	1.072

53	28L	13C-244'-TrCB	24:19	3.112e+04	2.939e+04	1.06	yes	no	0.930
54	111L	13C-233'55'-PeCB	35:36	2.793e+04	1.790e+04	1.56	yes	no	1.080
55	178L	13C-22'33'55'6-HpCB	41:26	1.497e+04	1.396e+04	1.07	yes	no	1.011
56	9L	13C-2,5-DiCB	17:24	3.867e+04	2.473e+04	1.56	yes	no	*
57	52L	13C-22'55'-TeCB	26:08	1.887e+04	2.405e+04	0.78	yes	no	*
58	101L	13C-22'4'55'-PeCB	32:57	2.257e+04	1.448e+04	1.56	yes	no	*
59	138L	13C-22'3'44'5'-HxCB	41:00	1.863e+04	1.471e+04	1.27	yes	no	*
60	194L	13C-22'33'44'55'-OcCB	52:57	8.655e+03	9.584e+03	0.90	yes	no	*

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
ICAL CS3

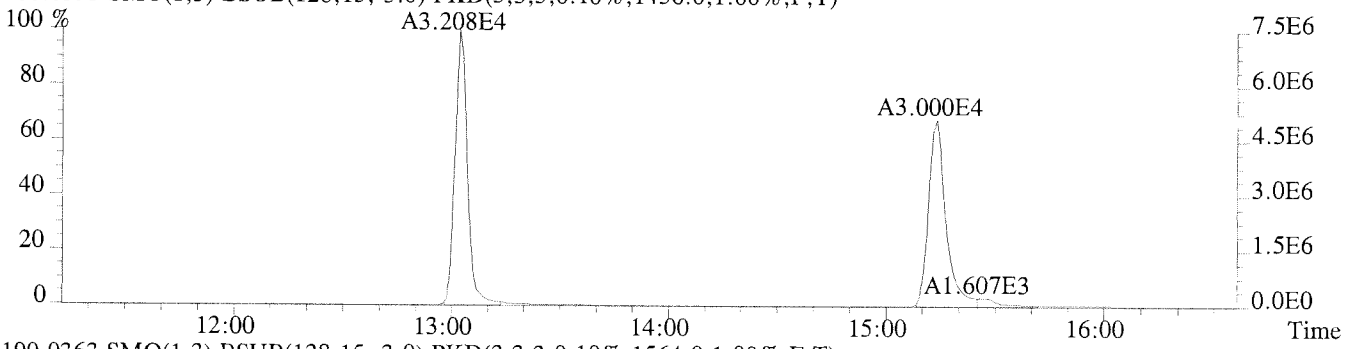
#3 Filename U139143 Samp: 1 Inj: 1 Acquired: 23-FEB-11 14:38:18
Processed: 24-FEB-11 17:57:071 LAB. ID: ICAL CS3

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2-MoCB	7.47e+06	1.46e+03	5.1e+03	2.42e+06	1.56e+03	1.6e+03
2	4-MoCB	5.07e+06	1.46e+03	3.5e+03	1.61e+06	1.56e+03	1.0e+03
3	22'-DiCB	3.50e+06	3.08e+03	1.1e+03	2.26e+06	7.80e+03	2.9e+02
4	44'-DiCB	2.73e+06	2.66e+03	1.0e+03	1.73e+06	7.05e+03	2.4e+02
5	22'6'-TrCB	2.06e+06	1.08e+03	1.9e+03	2.01e+06	1.07e+03	1.9e+03
6	344'-TrCB	1.88e+06	1.63e+03	1.2e+03	1.78e+06	1.42e+03	1.3e+03
7	22'66'-TeCB	2.12e+06	5.40e+02	3.9e+03	2.74e+06	7.16e+02	3.8e+03
8	344'5-TeCB	1.42e+06	8.68e+02	1.6e+03	1.84e+06	9.76e+02	1.9e+03
9	33'44'-TeCB	1.31e+06	8.68e+02	1.5e+03	1.69e+06	9.76e+02	1.7e+03
10	22'466'-PeCB	2.93e+06	7.88e+02	3.7e+03	1.84e+06	1.16e+03	1.6e+03
11	2'344'5-PeCB	2.09e+06	6.12e+03	3.4e+02	1.36e+06	4.10e+03	3.3e+02
12	23'44'5-PeCB	2.11e+06	6.12e+03	3.4e+02	1.34e+06	4.10e+03	3.3e+02
13	2344'5-PeCB	2.14e+06	6.12e+03	3.5e+02	1.37e+06	4.10e+03	3.3e+02
14	233'44'-PeCB	1.96e+06	6.12e+03	3.2e+02	1.26e+06	4.10e+03	3.1e+02
15	33'44'5-PeCB	1.62e+06	6.12e+03	2.7e+02	1.03e+06	4.10e+03	2.5e+02
16	22'44'66'-HxCB	2.63e+06	7.56e+02	3.5e+03	2.09e+06	9.28e+02	2.3e+03
17	23'44'55'-HxCB	1.66e+06	1.37e+03	1.2e+03	1.34e+06	8.40e+02	1.6e+03
18	233'44'5-HxCB	2.16e+06	1.37e+03	1.6e+03	1.73e+06	8.40e+02	2.1e+03
19	33'44'55'-HxCB	1.28e+06	1.37e+03	9.3e+02	1.03e+06	8.40e+02	1.2e+03
20	22'34'566'-HpCB	2.16e+06	5.88e+02	3.7e+03	2.09e+06	6.72e+02	3.1e+03
21	233'44'55'-HpCB	1.15e+06	8.72e+02	1.3e+03	1.11e+06	8.12e+02	1.4e+03
22	22'33'55'66'-OcCB	1.52e+06	5.44e+02	2.8e+03	1.67e+06	8.44e+02	2.0e+03
23	233'44'55'6-OcCB	1.20e+06	5.44e+02	2.2e+03	1.35e+06	8.44e+02	1.6e+03
24	22'33'4'55'66'-NoCB	1.10e+06	4.80e+02	2.3e+03	1.39e+06	5.52e+02	2.5e+03
25	22'33'44'55'6-NoCB	7.24e+05	8.20e+02	8.8e+02	9.50e+05	1.19e+03	8.0e+02
26	DeCB	1.40e+06	6.48e+02	2.2e+03	1.19e+06	7.72e+02	1.5e+03
27	13C-2-MoCB	1.38e+07	1.28e+03	1.1e+04	4.55e+06	3.48e+04	1.3e+02
28	13C-4-MoCB	9.62e+06	1.28e+03	7.5e+03	3.05e+06	3.48e+04	8.8e+01
29	13C-22'-DiCB	6.28e+06	3.99e+03	1.6e+03	3.95e+06	1.97e+03	2.0e+03
30	13C-44'-DiCB	5.56e+06	5.84e+03	9.5e+02	3.55e+06	1.46e+03	2.4e+03
31	13C-22'6'-TrCB	4.09e+06	1.79e+04	2.3e+02	3.91e+06	1.11e+04	3.5e+02
32	13C-344'-TrCB	3.53e+06	1.20e+04	2.9e+02	3.26e+06	8.45e+03	3.9e+02
33	13C-22'66'-TeCB	4.19e+06	1.96e+03	2.1e+03	5.20e+06	8.12e+02	6.4e+03
34	13C-344'5-TeCB	2.78e+06	1.80e+03	1.5e+03	3.55e+06	1.49e+03	2.4e+03
35	13C-33'44'-TeCB	2.62e+06	1.80e+03	1.5e+03	3.20e+06	1.49e+03	2.1e+03
36	13C-22'466'-PeCB	5.38e+06	9.24e+02	5.8e+03	3.48e+06	8.52e+02	4.1e+03
37	13C-2'344'5-PeCB	4.10e+06	1.42e+04	2.9e+02	2.57e+06	5.72e+03	4.5e+02
38	13C-23'44'5-PeCB	4.27e+06	1.42e+04	3.0e+02	2.68e+06	5.72e+03	4.7e+02
39	13C-2344'5-PeCB	4.07e+06	1.42e+04	2.9e+02	2.58e+06	5.72e+03	4.5e+02
40	13C-233'44'-PeCB	3.80e+06	1.42e+04	2.7e+02	2.42e+06	5.72e+03	4.2e+02
41	13C-33'44'5-PeCB	3.22e+06	1.42e+04	2.3e+02	2.02e+06	5.72e+03	3.5e+02
42	13C-22'44'66'-HxCB	5.10e+06	9.20e+02	5.5e+03	4.04e+06	8.60e+02	4.7e+03
43	13C-23'44'55'-HxCB	3.25e+06	4.84e+03	6.7e+02	2.53e+06	3.22e+03	7.9e+02
44	13C-233'44'5'-HxCB	4.32e+06	4.84e+03	8.9e+02	3.39e+06	3.22e+03	1.1e+03
45	13C-33'44'55'-HxCB	2.41e+06	4.84e+03	5.0e+02	1.90e+06	3.22e+03	5.9e+02
46	13C-22'34'566'-HpCB	4.32e+06	6.60e+02	6.5e+03	4.07e+06	5.20e+02	7.8e+03
47	13C-233'44'55'-HpCB	2.48e+06	1.00e+03	2.5e+03	2.38e+06	1.16e+03	2.0e+03
48	13C-22'33'55'66'-OcCB	3.36e+06	7.40e+02	4.5e+03	3.68e+06	7.12e+02	5.2e+03
49	13C-233'44'55'6-OcCB	2.57e+06	7.40e+02	3.5e+03	2.90e+06	7.12e+02	4.1e+03
50	13C-22'33'4'55'66'-NoCB	2.35e+06	6.68e+02	3.5e+03	2.95e+06	6.64e+02	4.4e+03
51	13C-22'33'44'55'6-NoCB	1.54e+06	1.00e+03	1.5e+03	1.97e+06	1.00e+03	2.0e+03
52	13C-DeCB	2.88e+06	8.76e+02	3.3e+03	2.45e+06	6.76e+02	3.6e+03

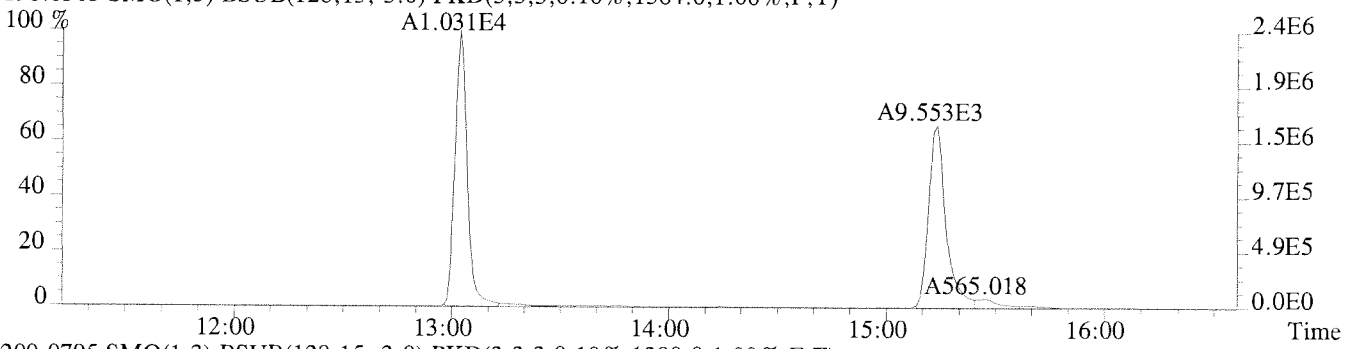
13C-244'-TrCB	4.60e+06	1.20e+04	3.8e+02	4.35e+06	8.45e+03	5.1e+02
13C-233'55'-PeCB	4.83e+06	2.12e+03	2.3e+03	3.12e+06	1.24e+03	2.5e+03
13C-22'33'55'6-HpCB	2.64e+06	6.60e+02	4.0e+03	2.49e+06	5.20e+02	4.8e+03
13C-2,5-DiCB	7.45e+06	5.84e+03	1.3e+03	4.75e+06	1.46e+03	3.3e+03
13C-22'55'-TeCB	3.07e+06	2.04e+03	1.5e+03	3.89e+06	1.72e+03	2.3e+03
13C-22'4'55'-PeCB	3.91e+06	2.12e+03	1.8e+03	2.47e+06	1.24e+03	2.0e+03
13C-22'3'44'5'-HxCB	3.24e+06	1.14e+03	2.9e+03	2.57e+06	7.08e+02	3.6e+03
13C-22'33'44'55'-OcCB	1.86e+06	7.40e+02	2.5e+03	2.05e+06	7.12e+02	2.9e+03

File:U139143 #1-347 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

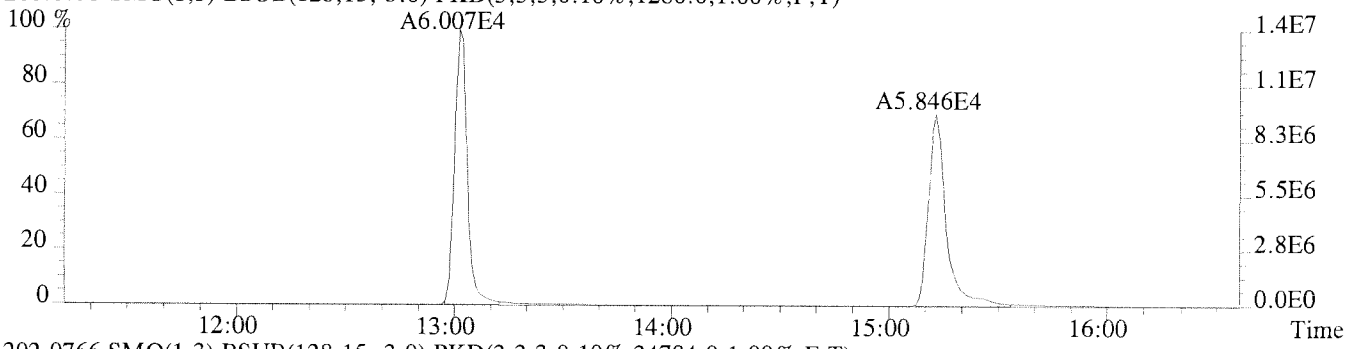
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1456.0,1.00%,F,T)



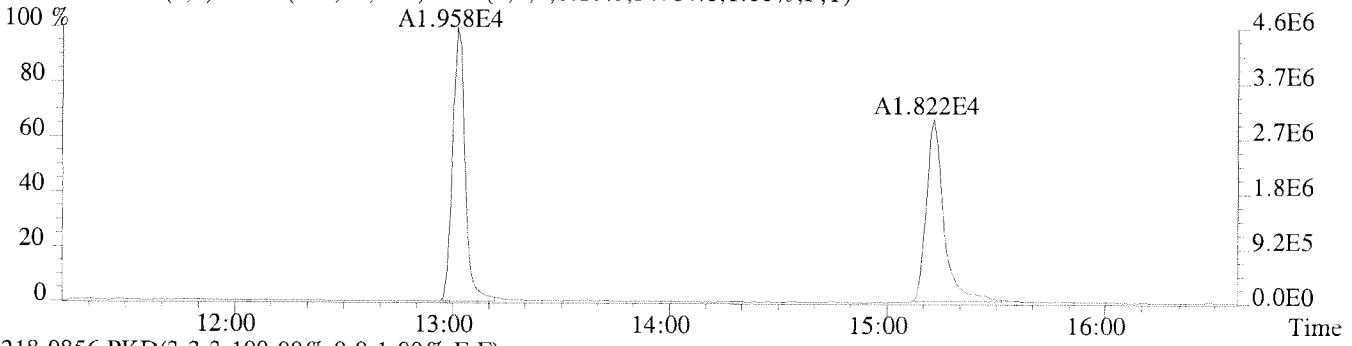
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1564.0,1.00%,F,T)



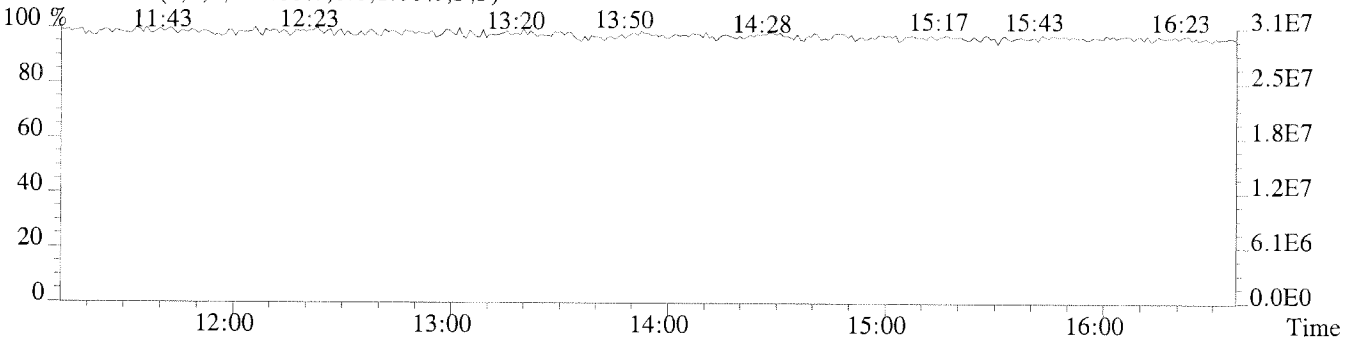
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1280.0,1.00%,F,T)



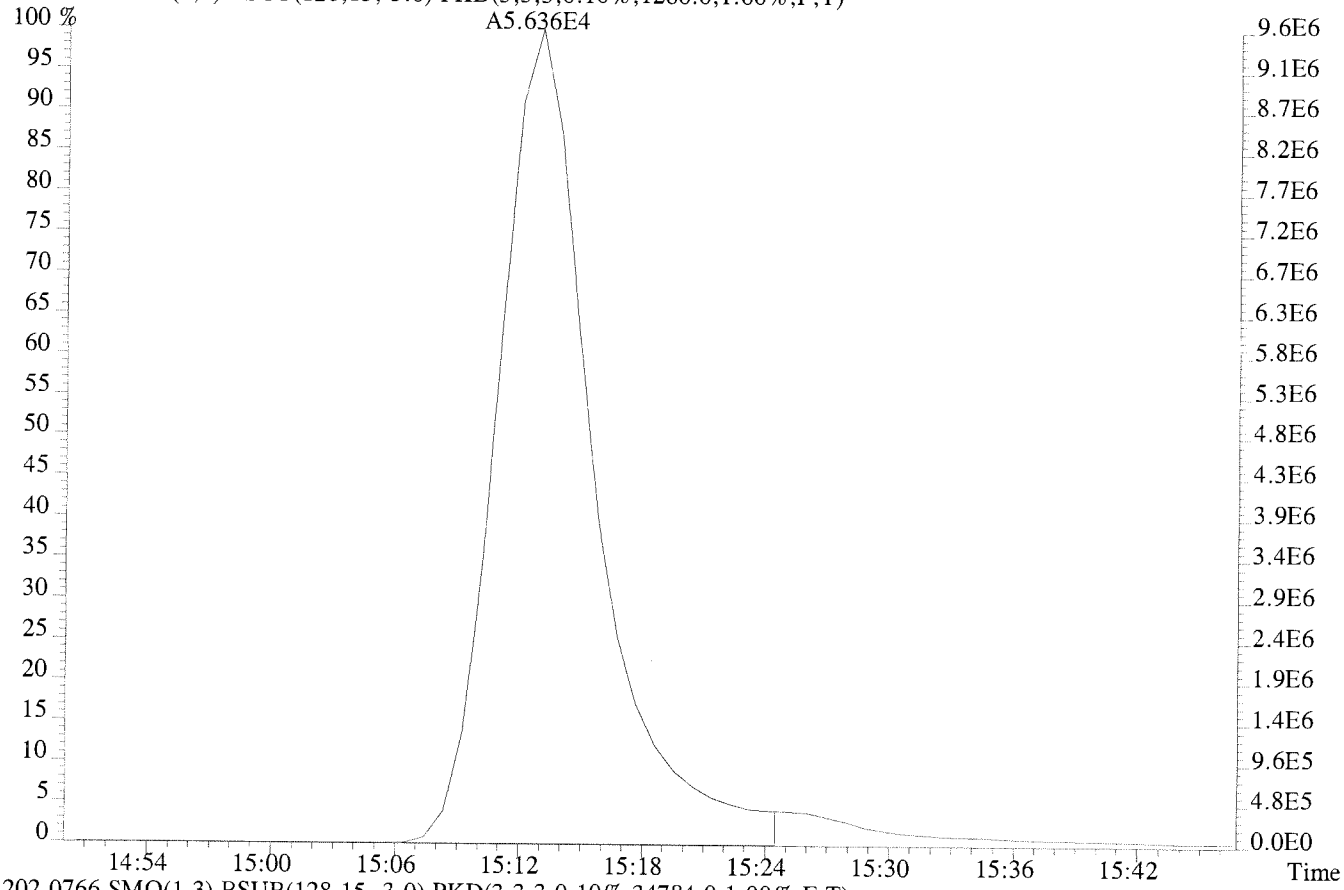
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,34784.0,1.00%,F,T)



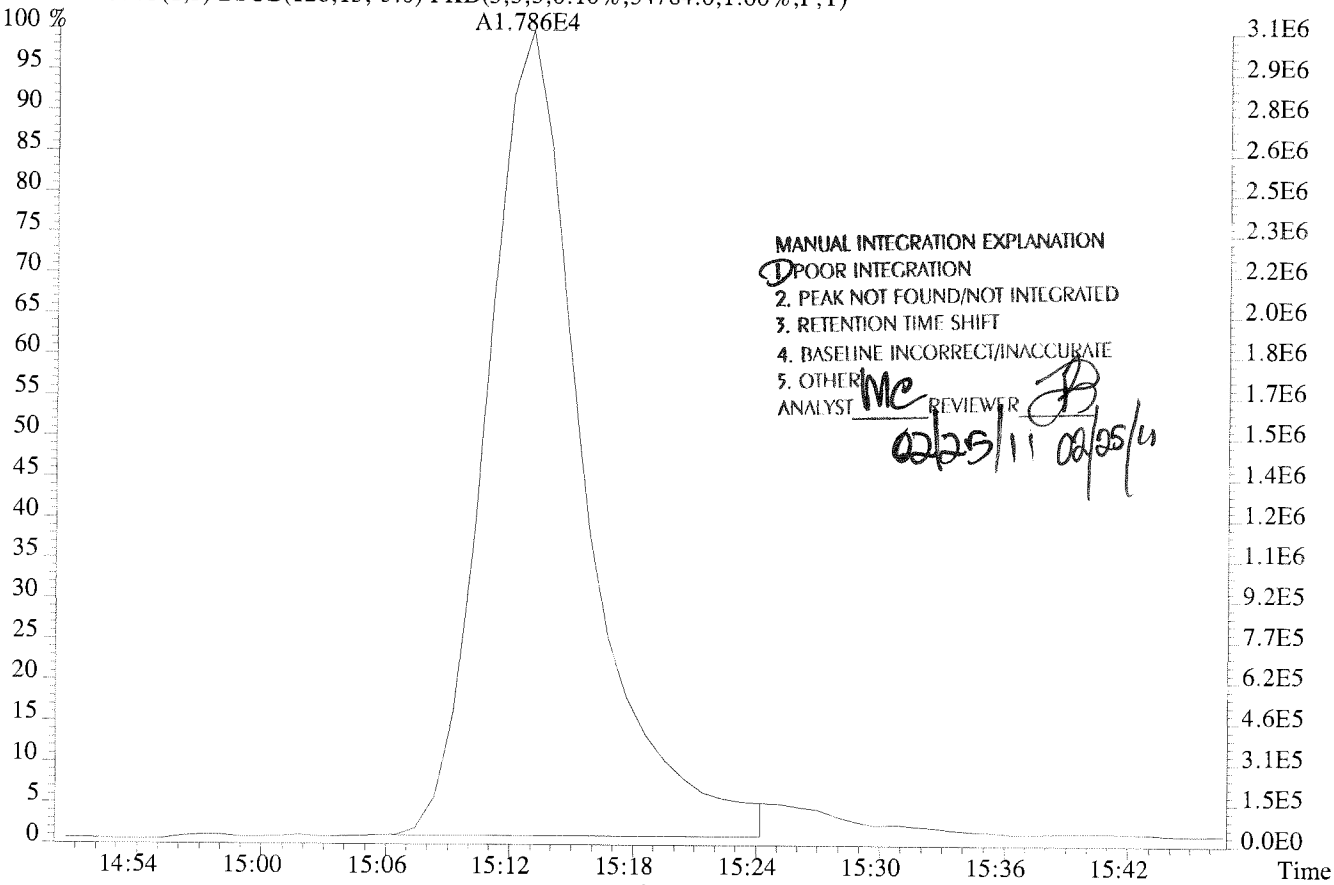
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139143 #1-347 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1280.0,1.00%,F,T)



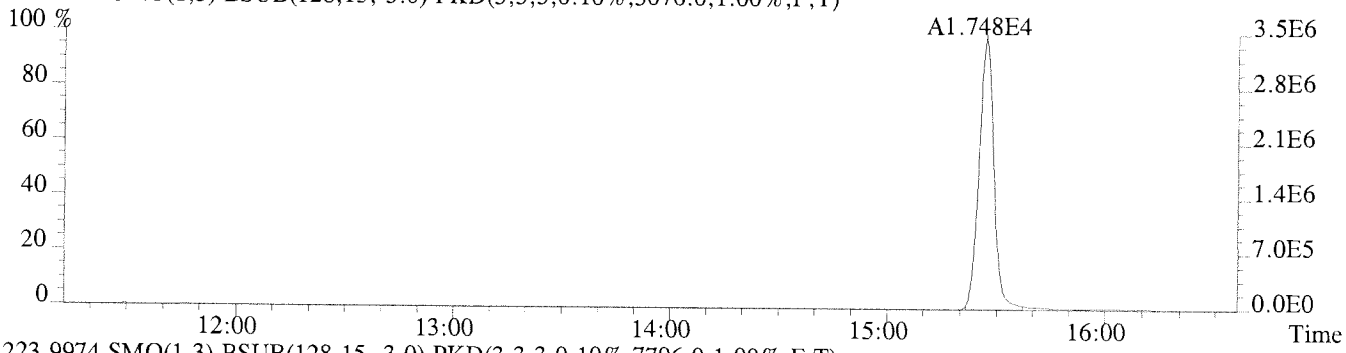
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,34784.0,1.00%,F,T)



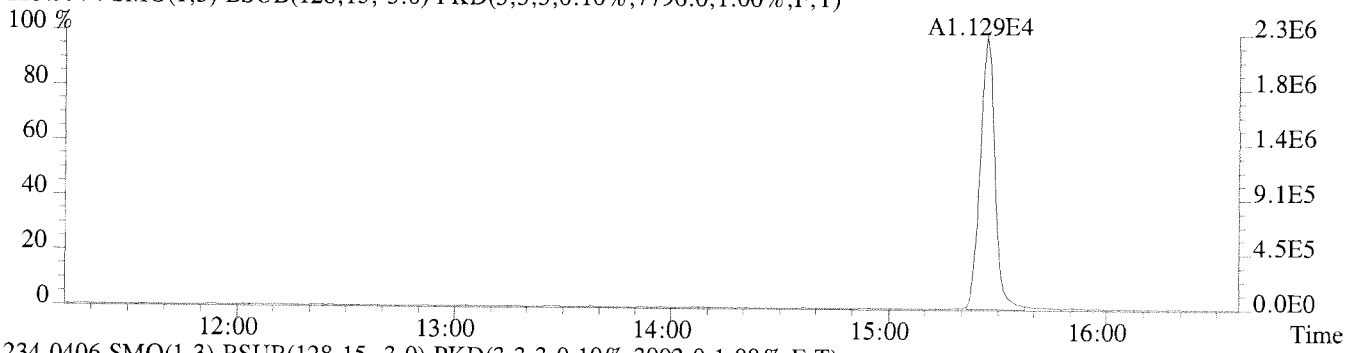
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/25/11 02/25/11

File:U139143 #1-347 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

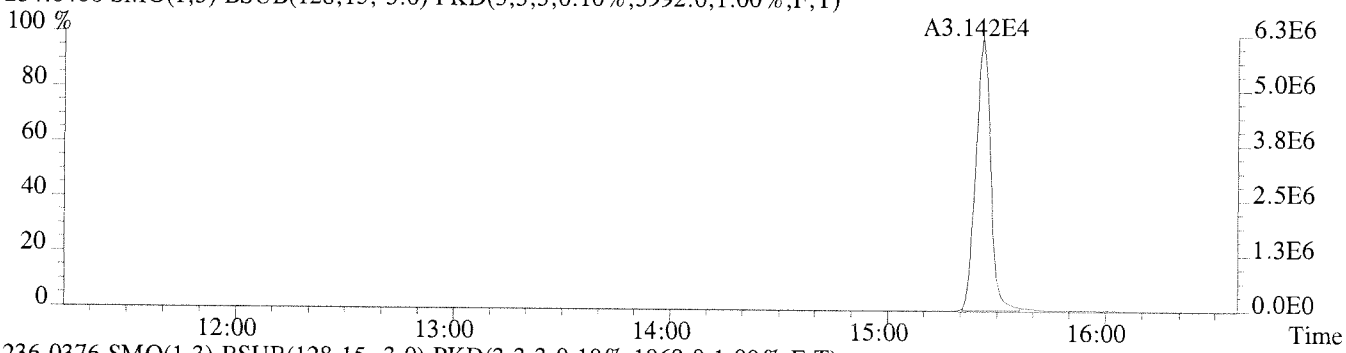
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3076.0,1.00%,F,T)



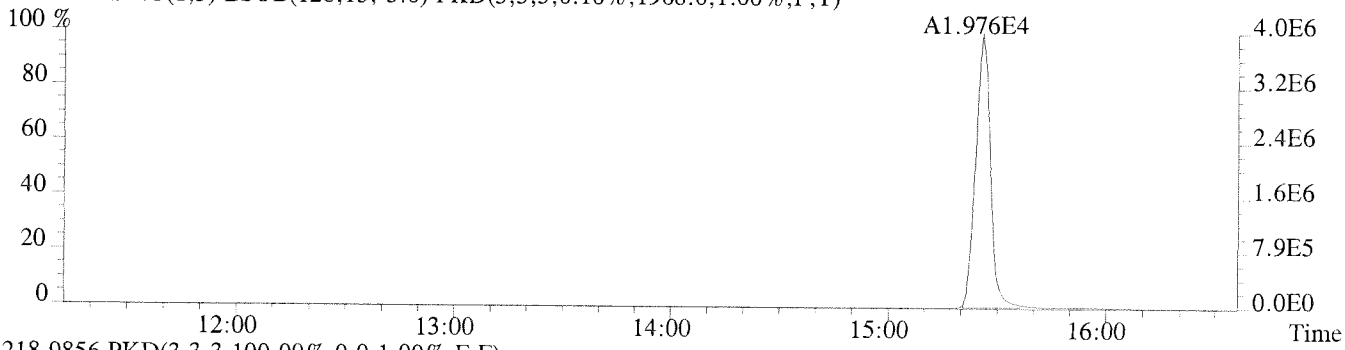
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7796.0,1.00%,F,T)



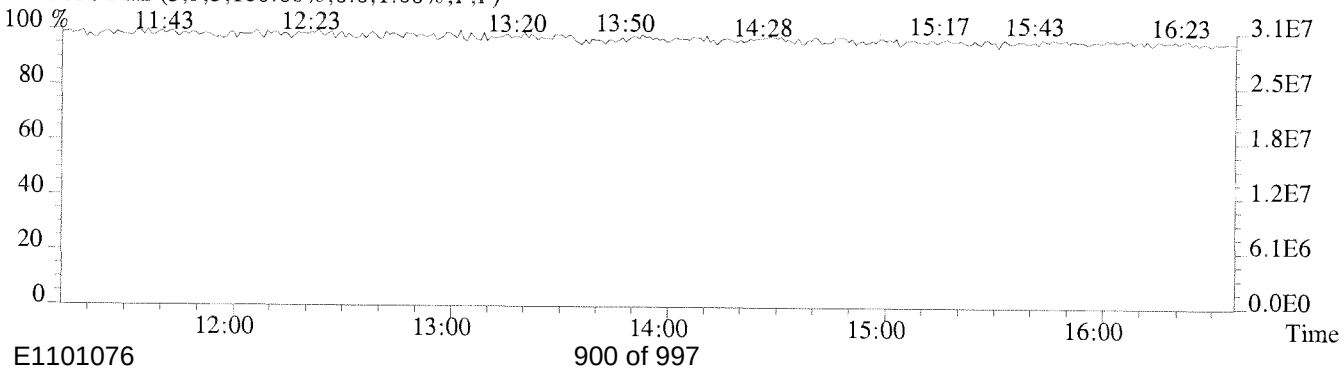
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3992.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1968.0,1.00%,F,T)

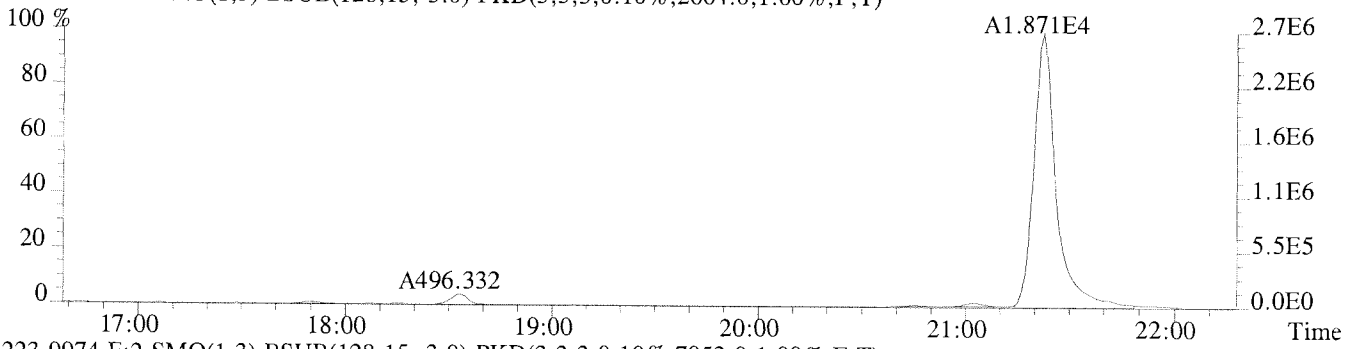


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

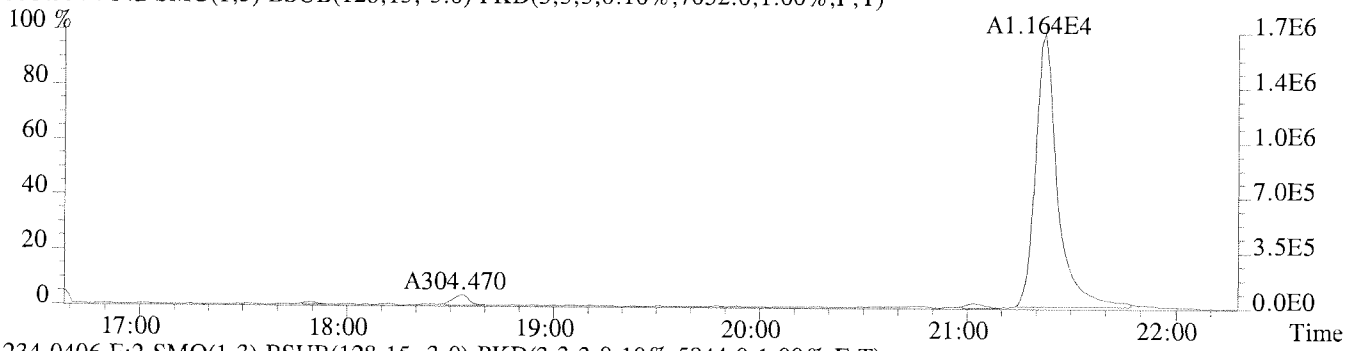


File:U139143 #1-313 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

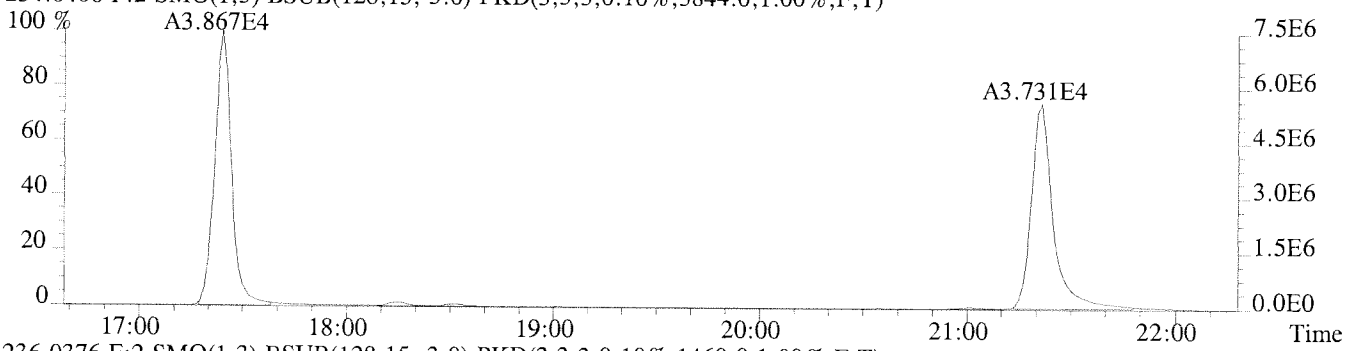
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2664.0,1.00%,F,T)



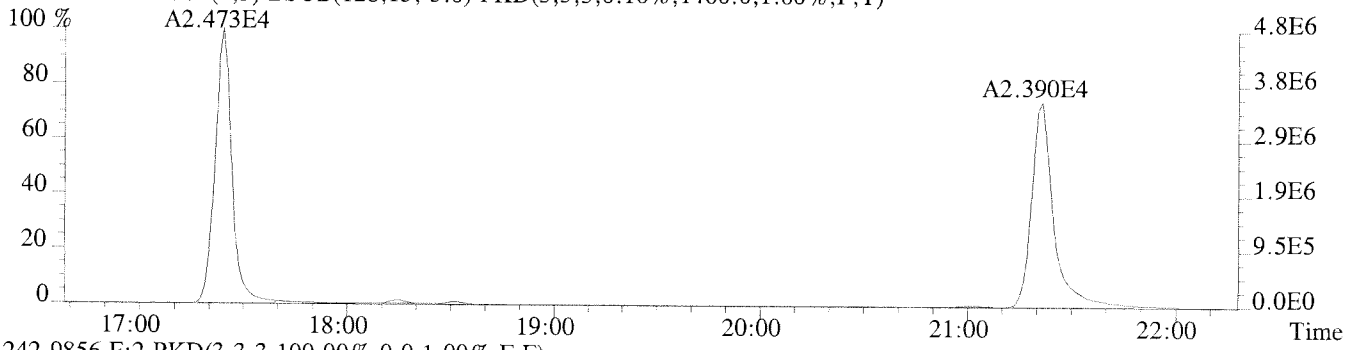
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7052.0,1.00%,F,T)



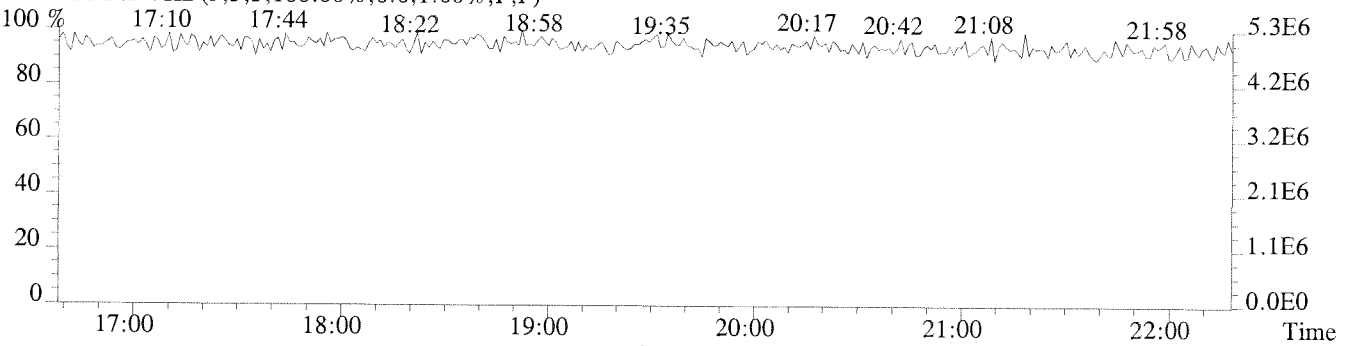
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5844.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1460.0,1.00%,F,T)

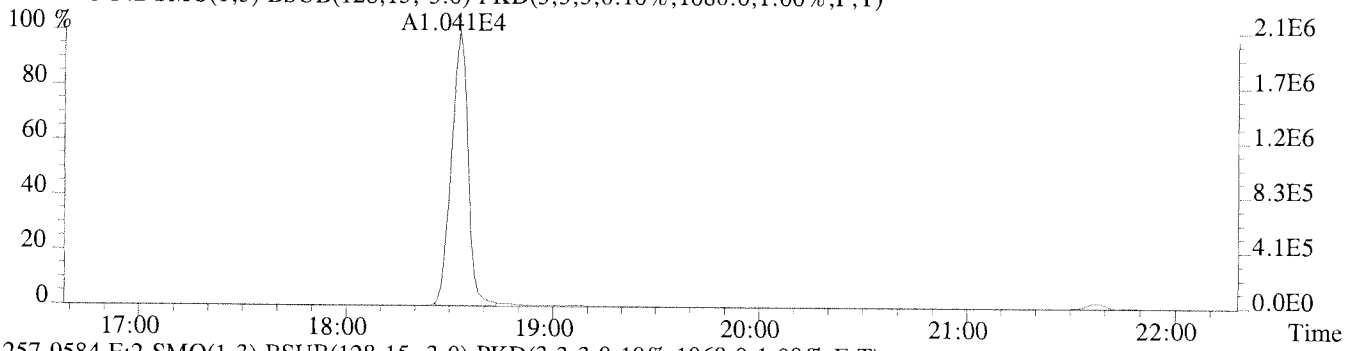


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

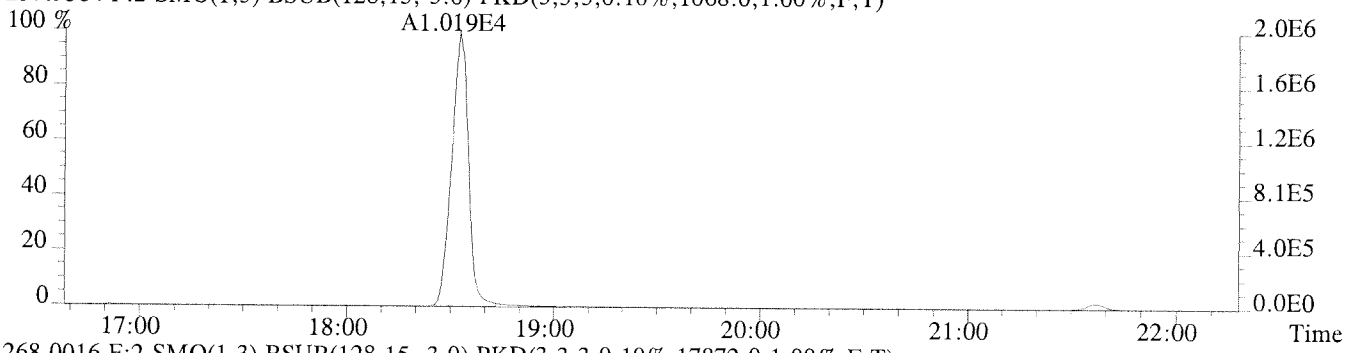


File:U139143 #1-313 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

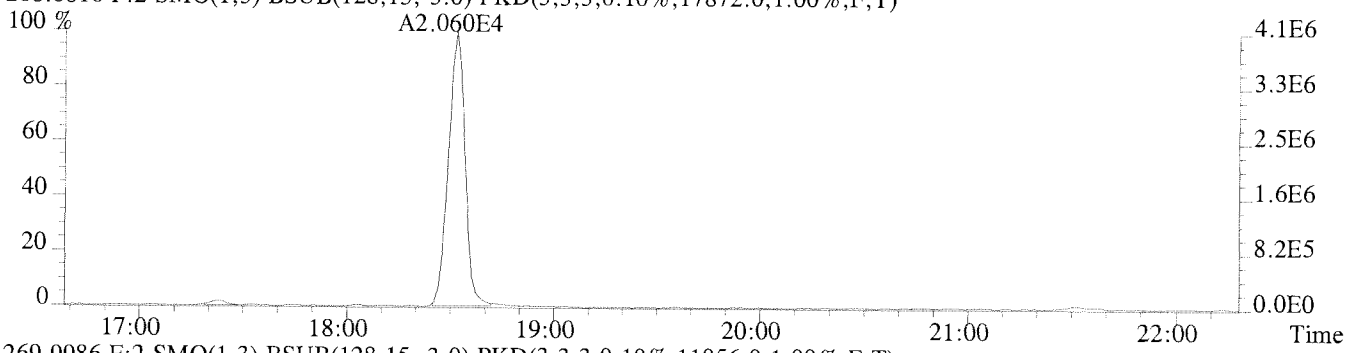
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1080.0,1.00%,F,T)



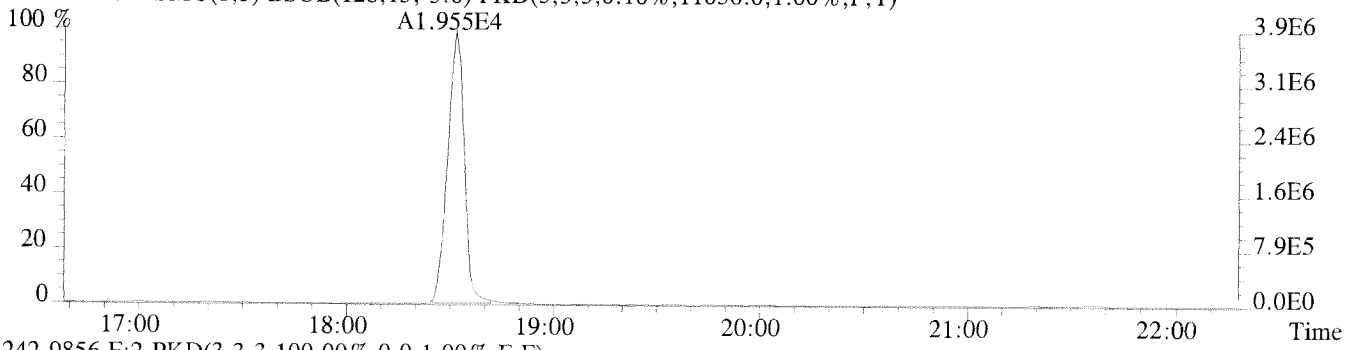
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1068.0,1.00%,F,T)



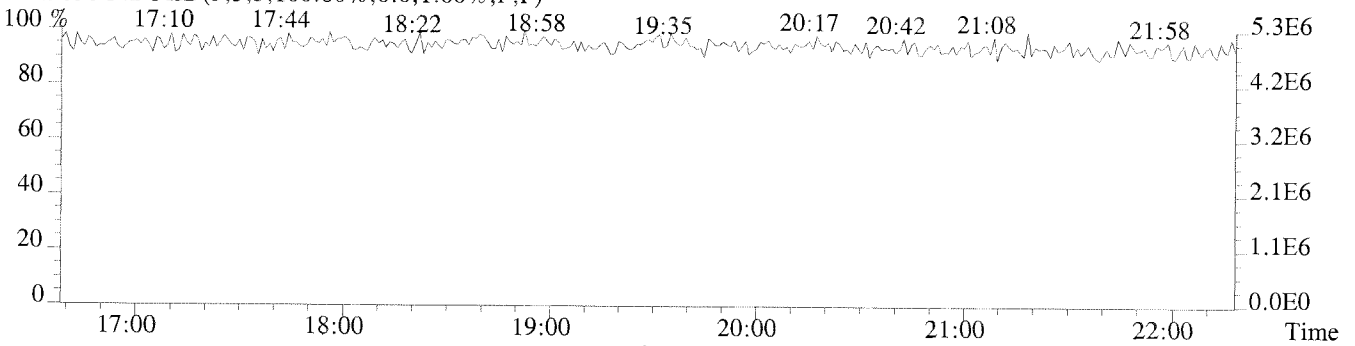
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17872.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11056.0,1.00%,F,T)

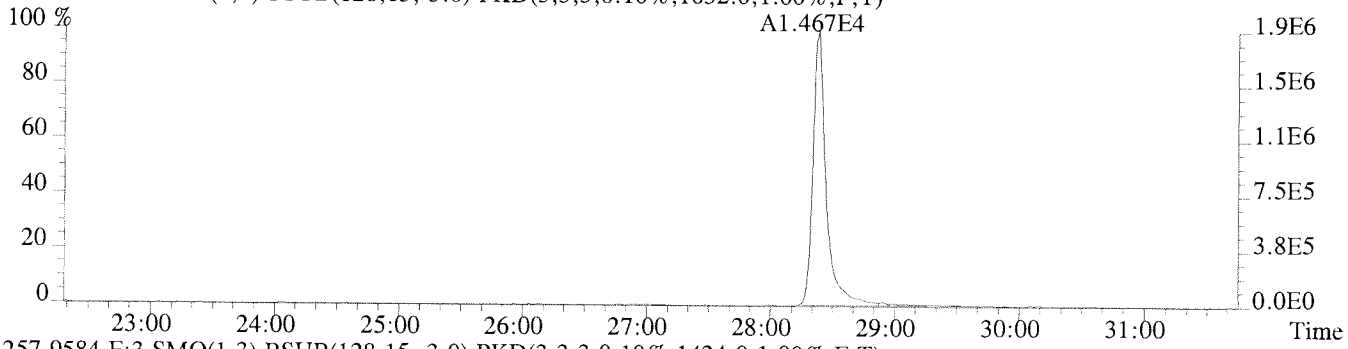


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

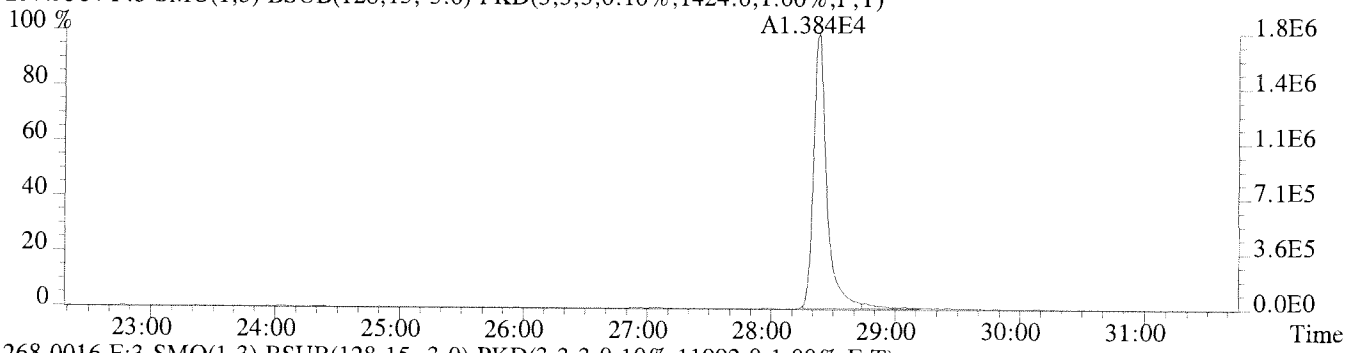


File:U139143 #1-604 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

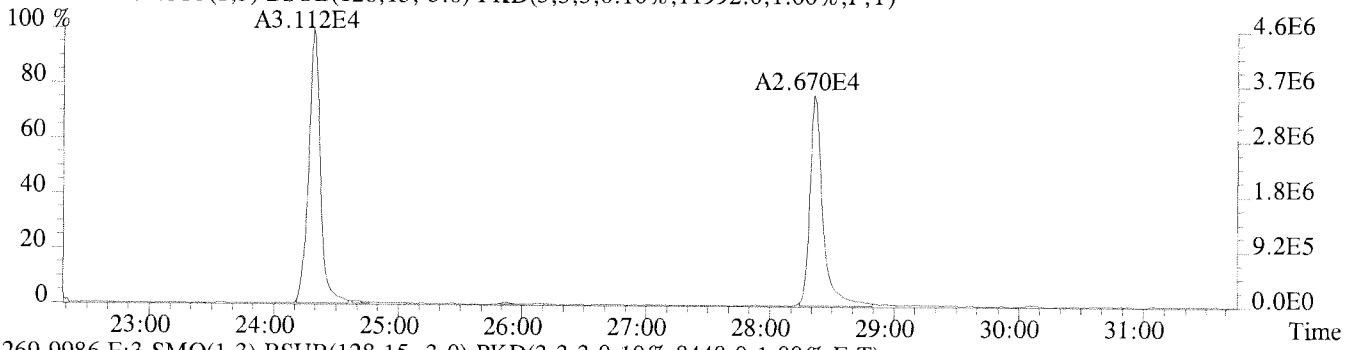
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1632.0,1.00%,F,T)



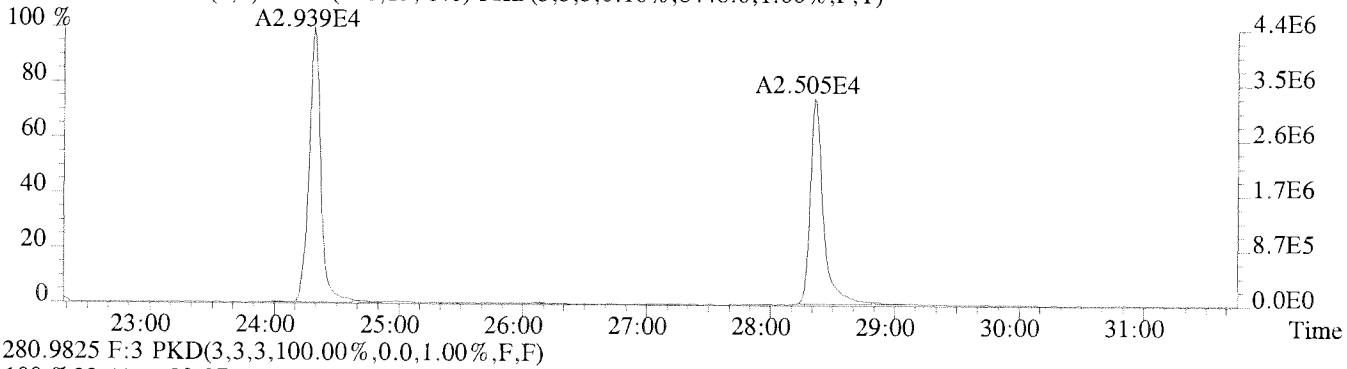
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1424.0,1.00%,F,T)



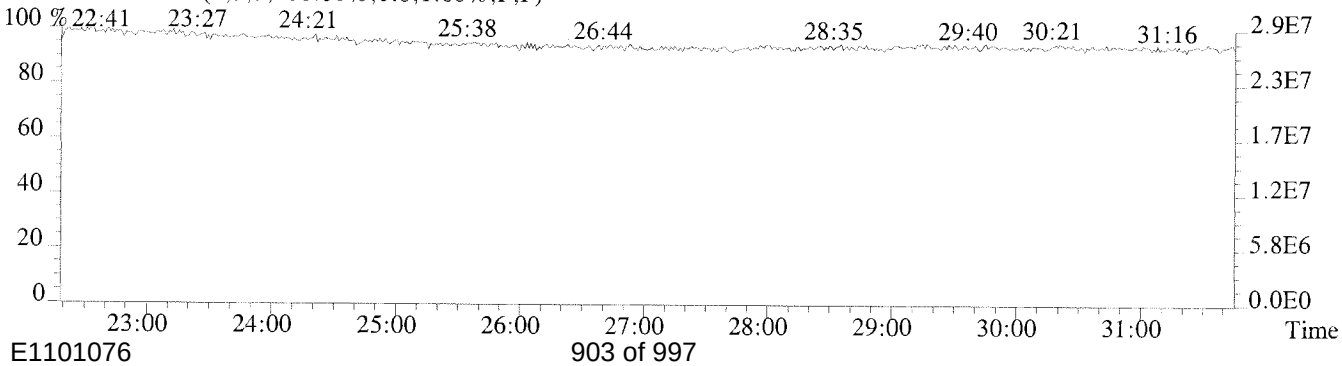
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11992.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8448.0,1.00%,F,T)

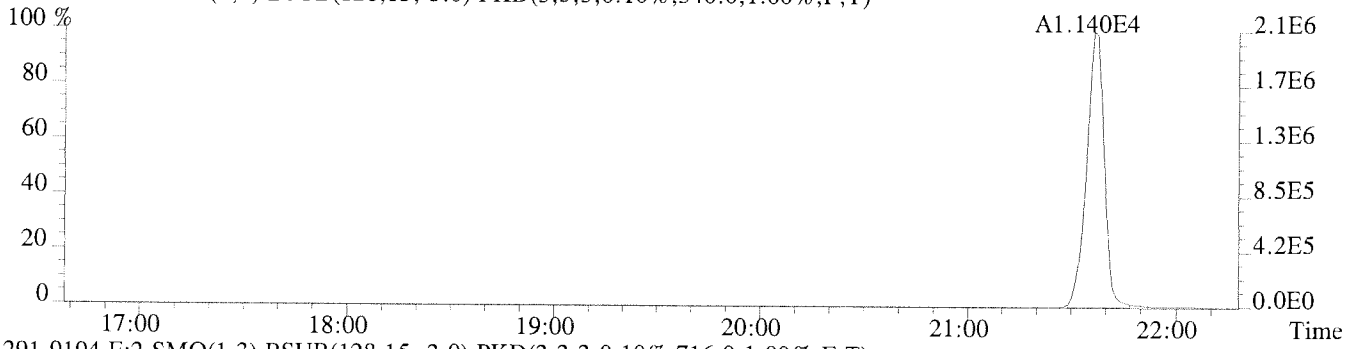


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

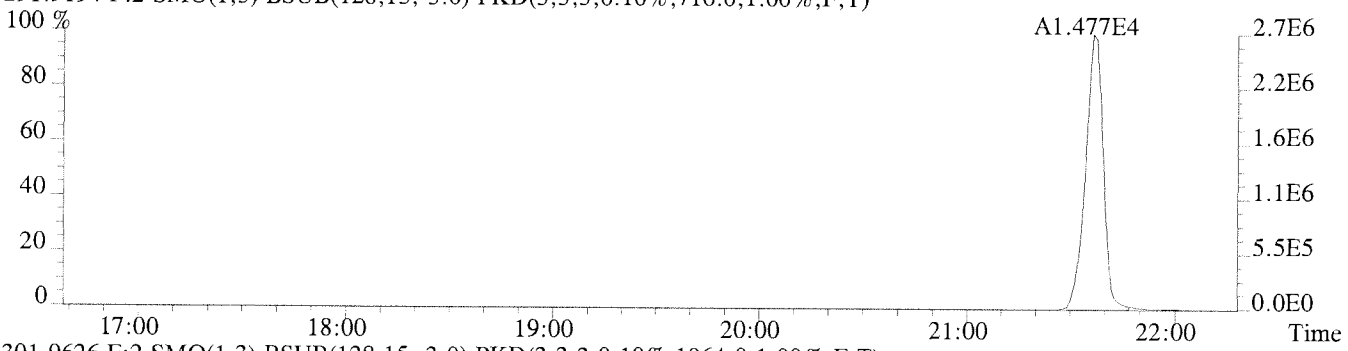


File:U139143 #1-313 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

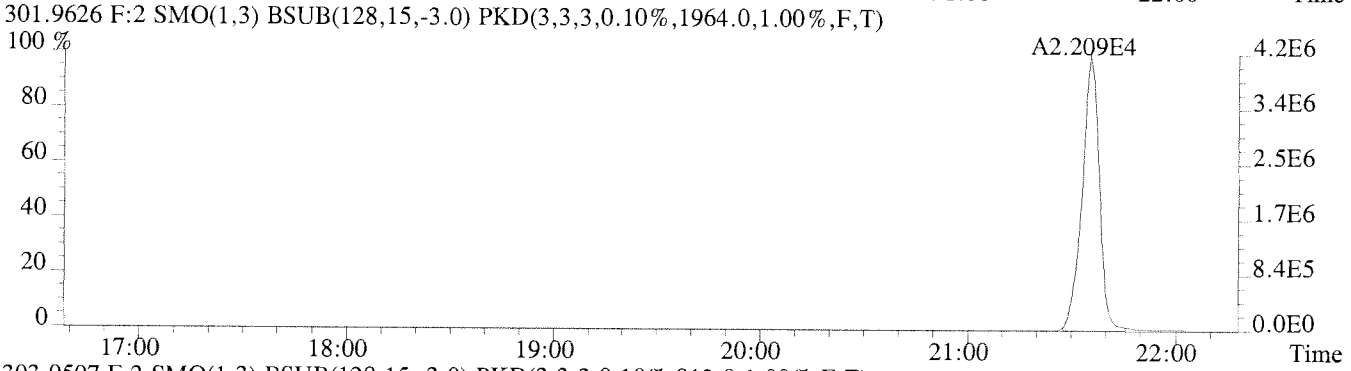
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,540.0,1.00%,F,T)



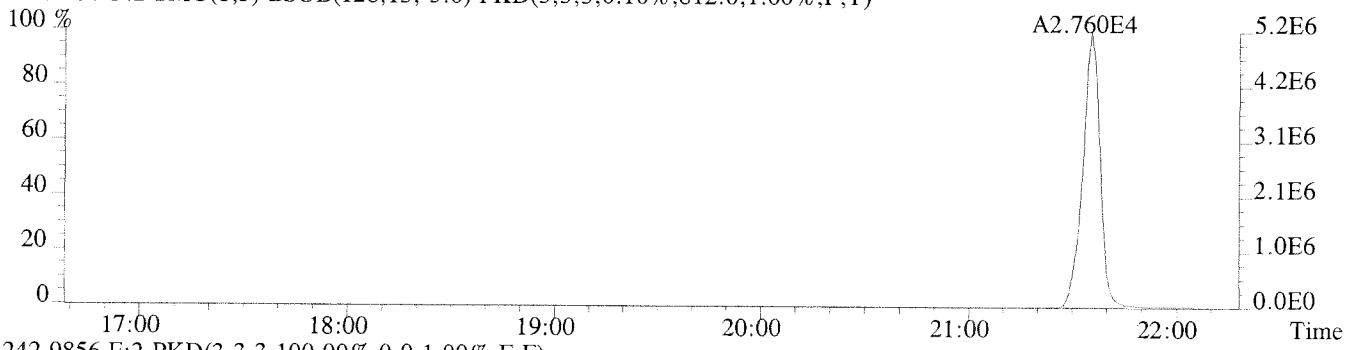
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)



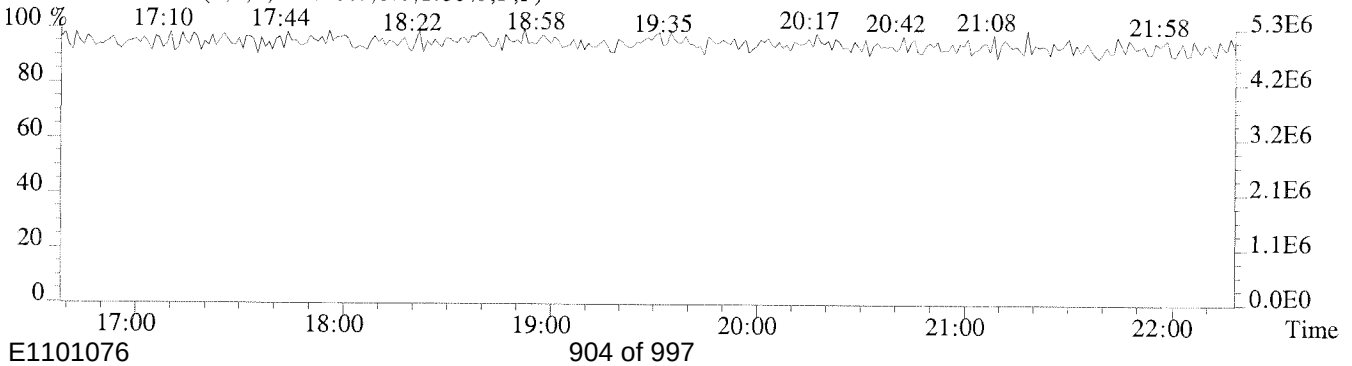
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1964.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)

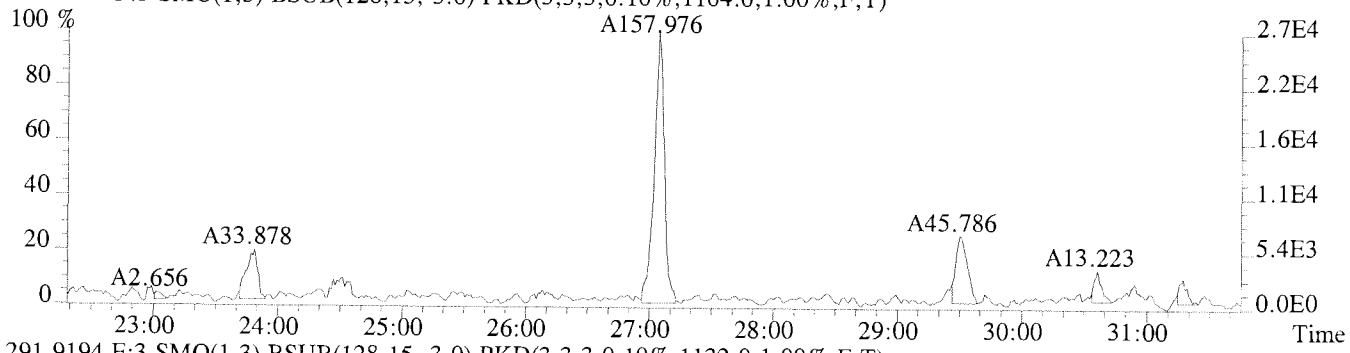


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

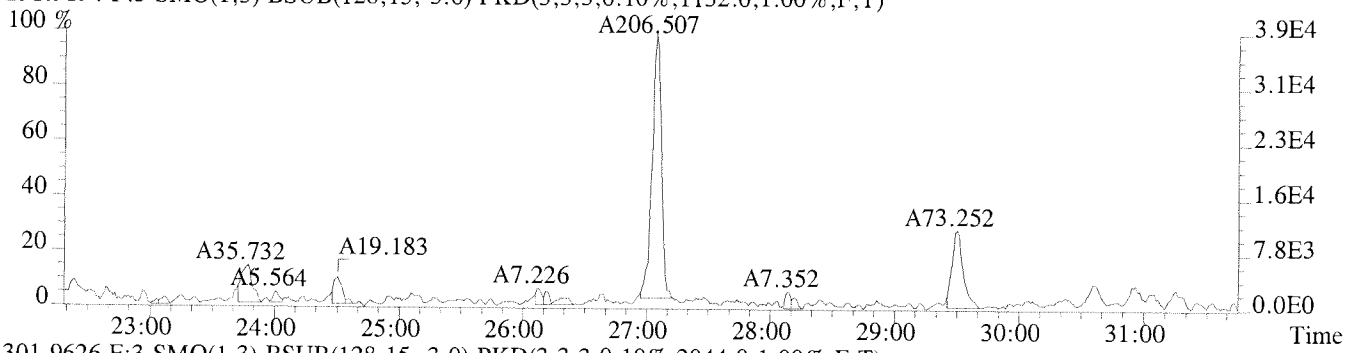


File:U139143 #1-604 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

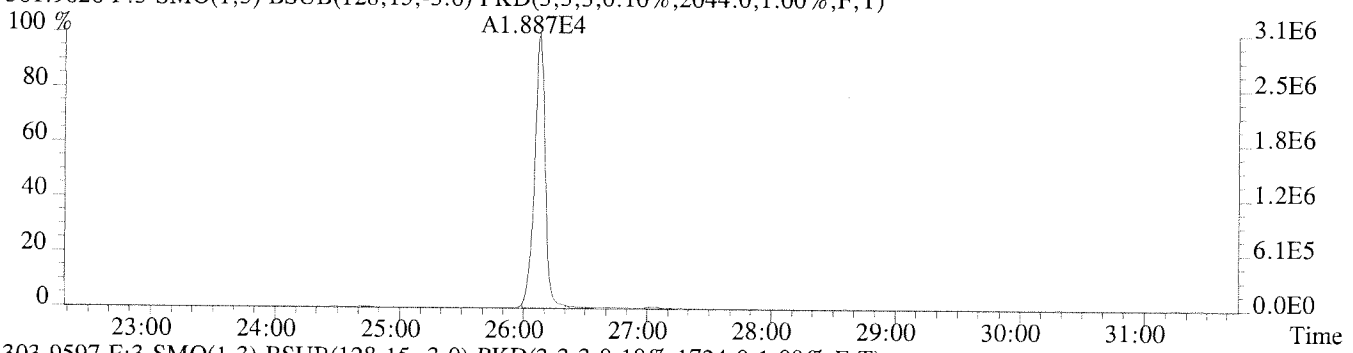
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1104.0,1.00%,F,T)



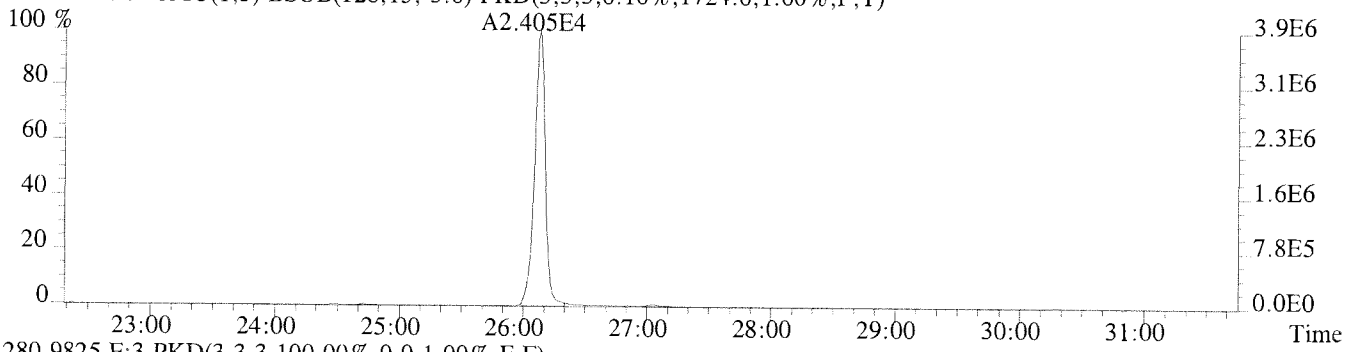
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1132.0,1.00%,F,T)



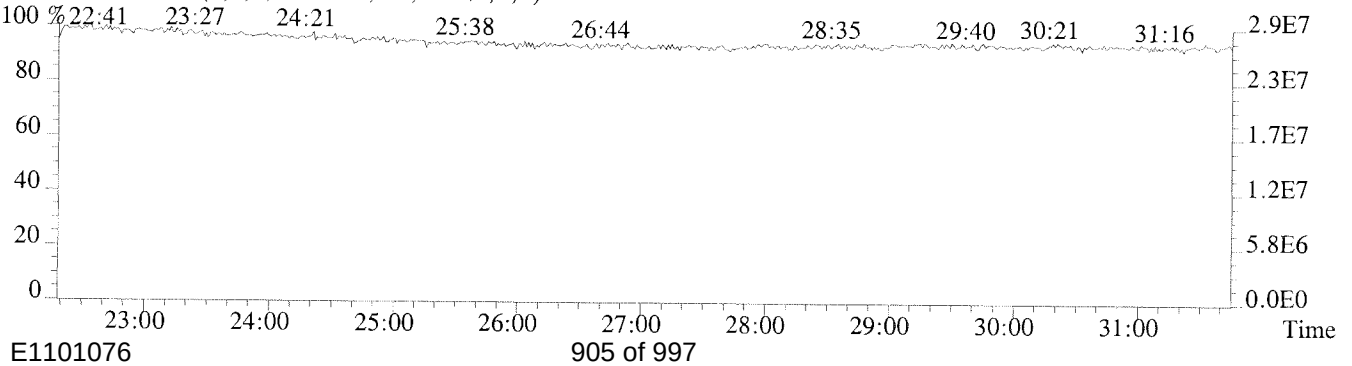
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2044.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1724.0,1.00%,F,T)

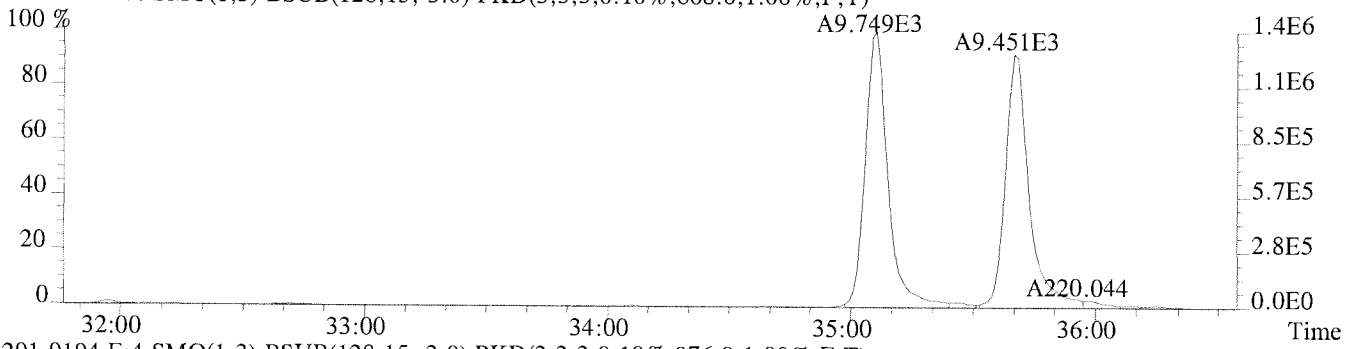


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

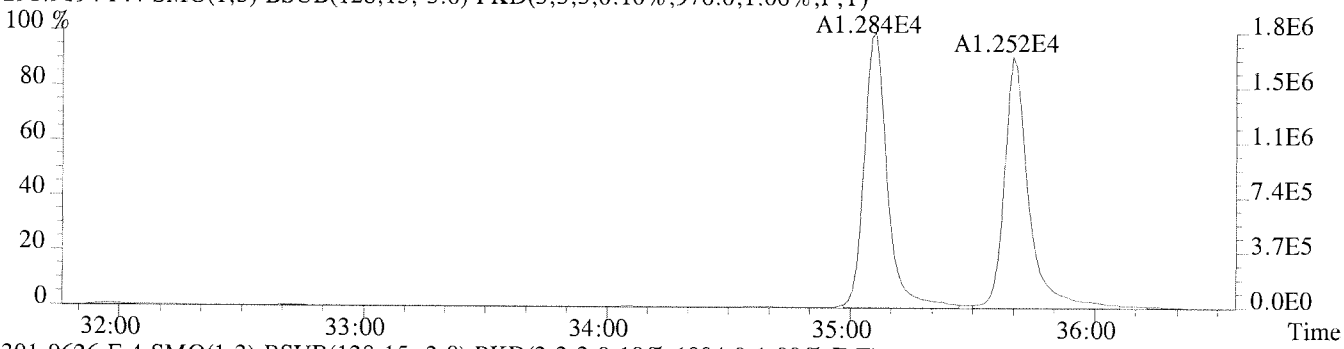


File:U139143 #1-308 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

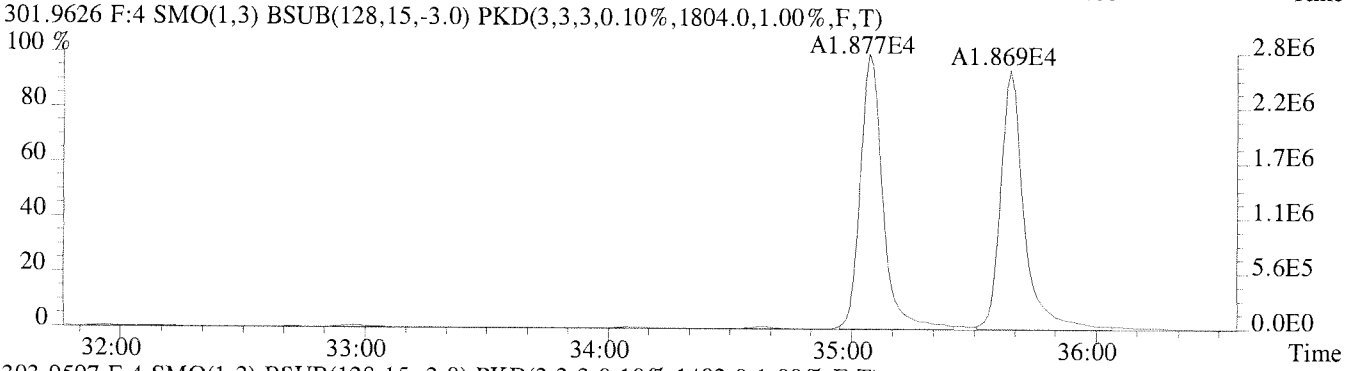
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



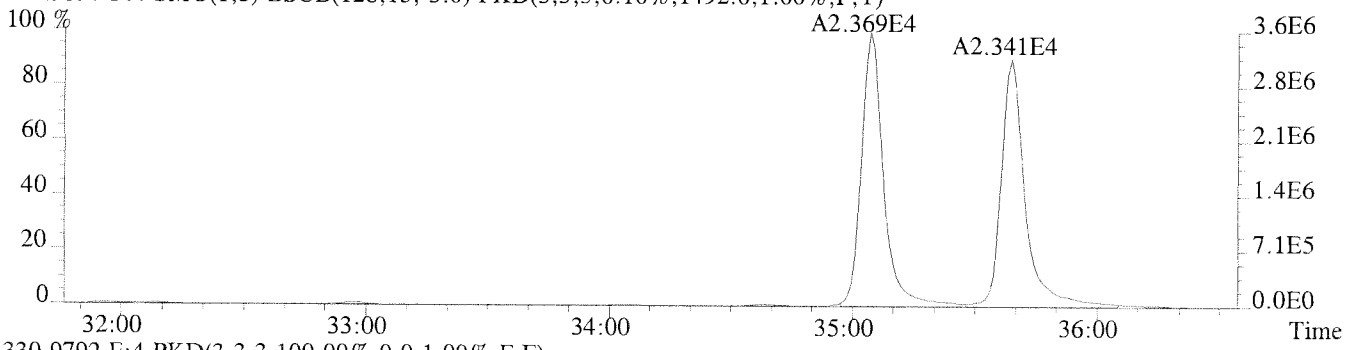
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)



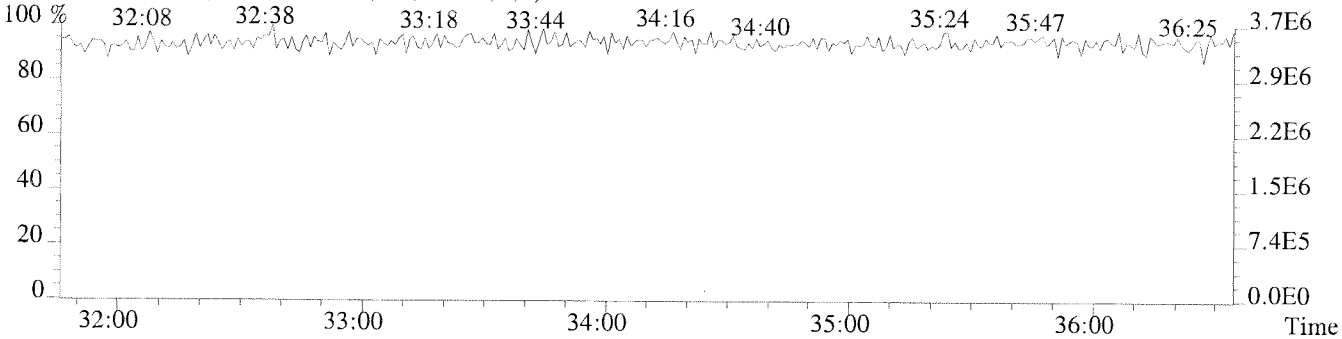
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1804.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1492.0,1.00%,F,T)

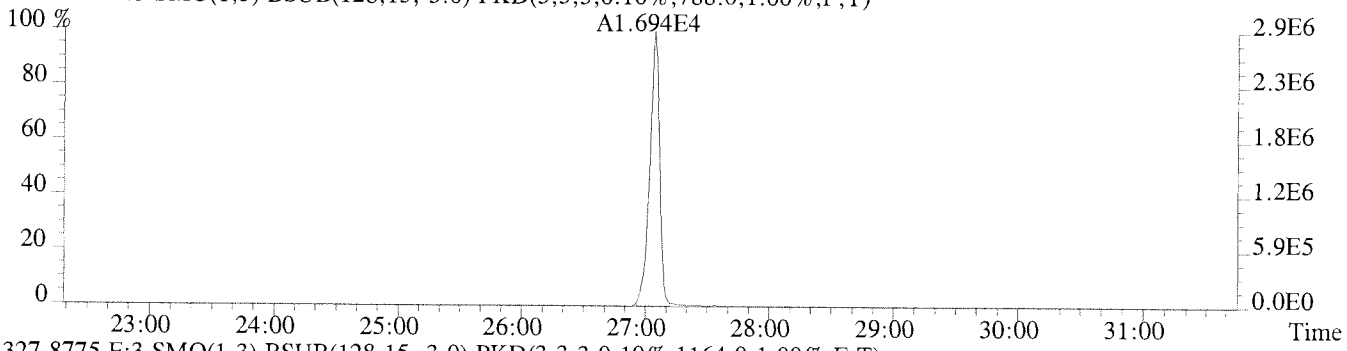


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

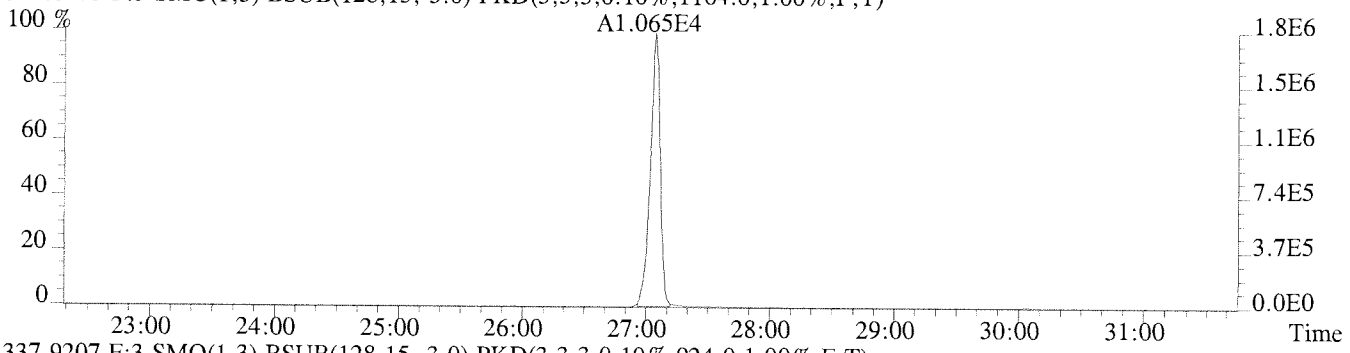


File:U139143 #1-604 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

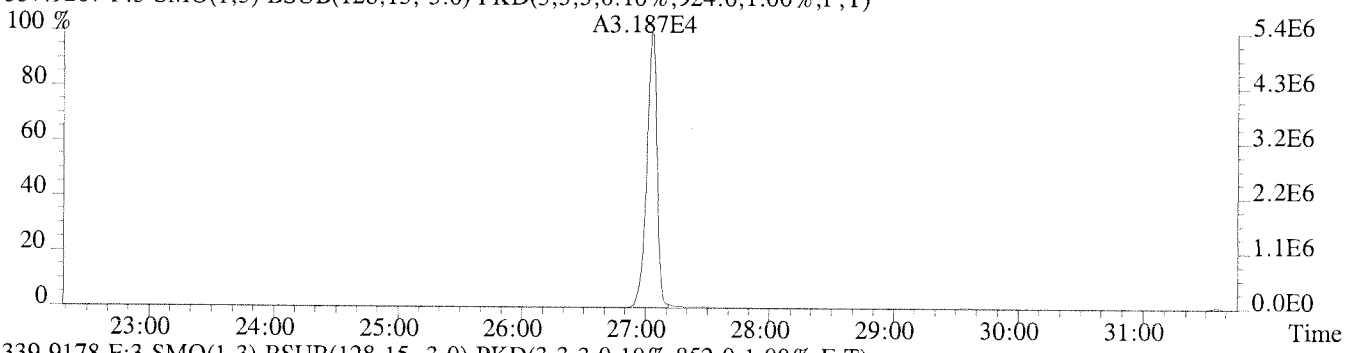
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,788.0,1.00%,F,T)



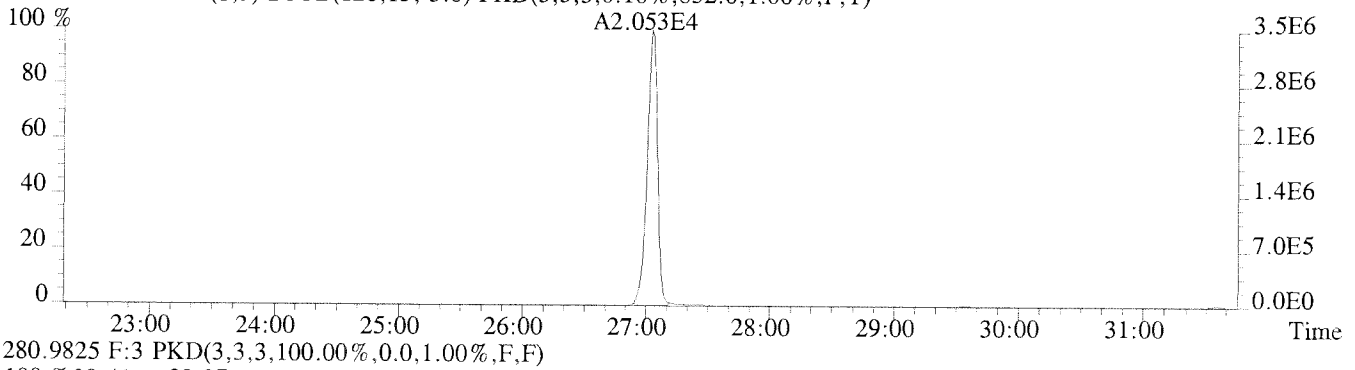
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1164.0,1.00%,F,T)



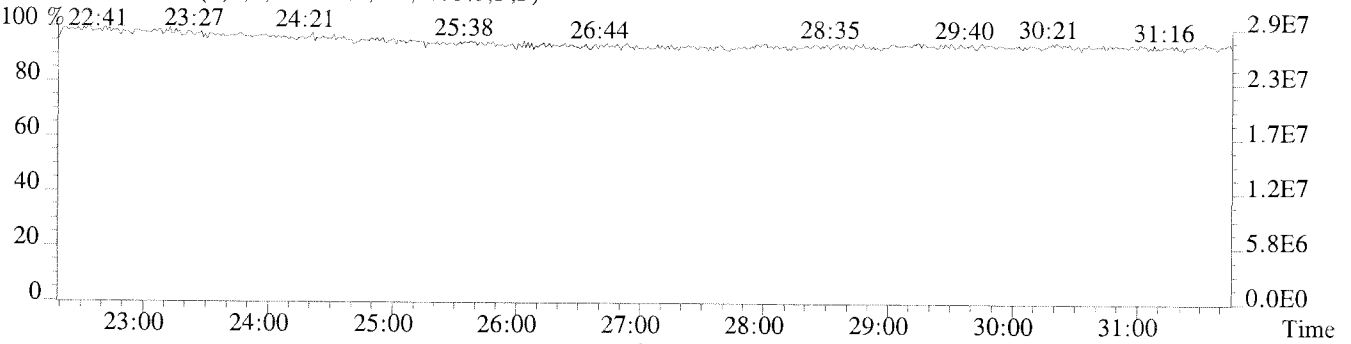
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,852.0,1.00%,F,T)

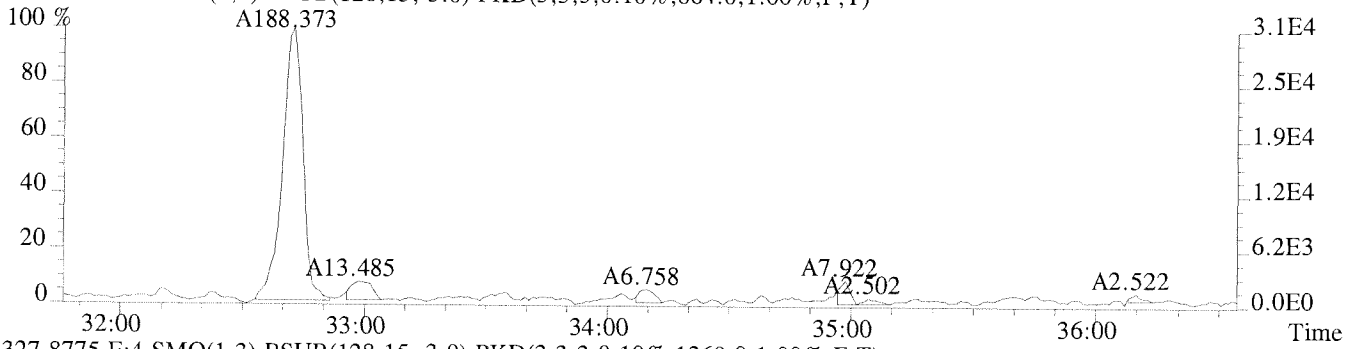


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

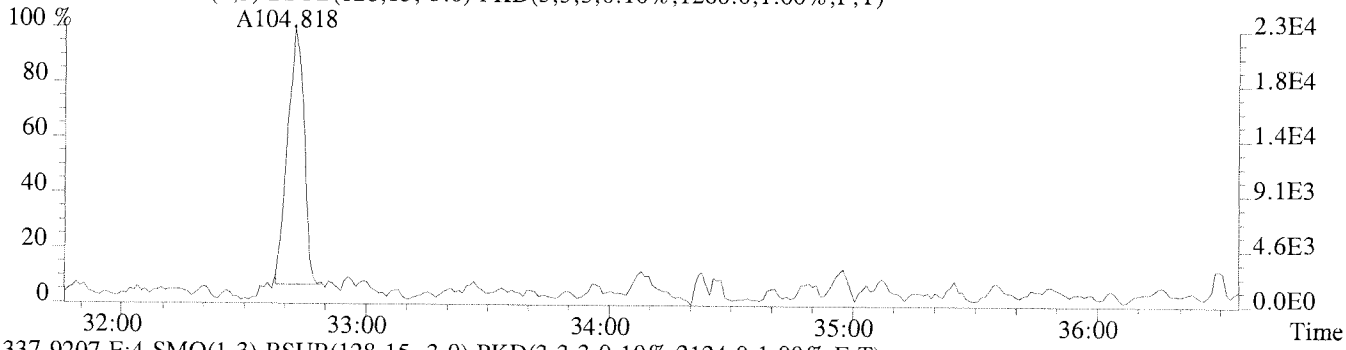


File:U139143 #1-308 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

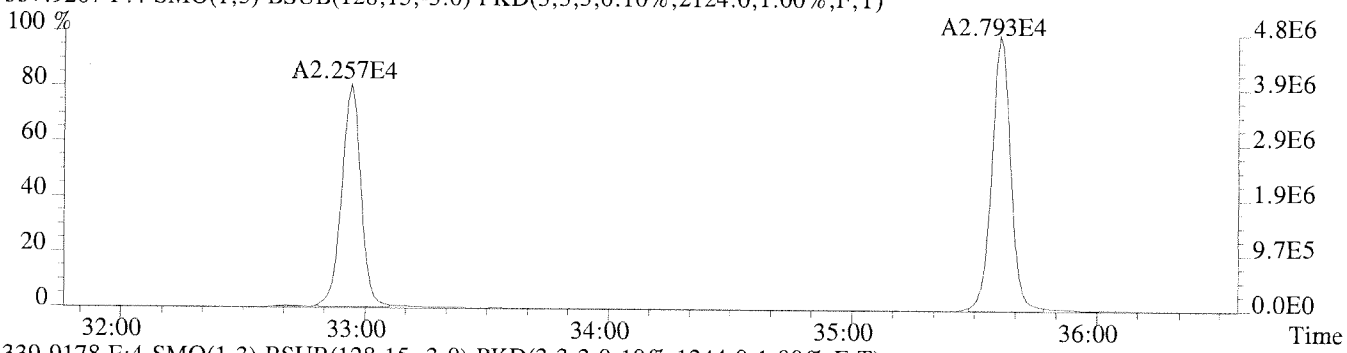
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,864.0,1.00%,F,T)



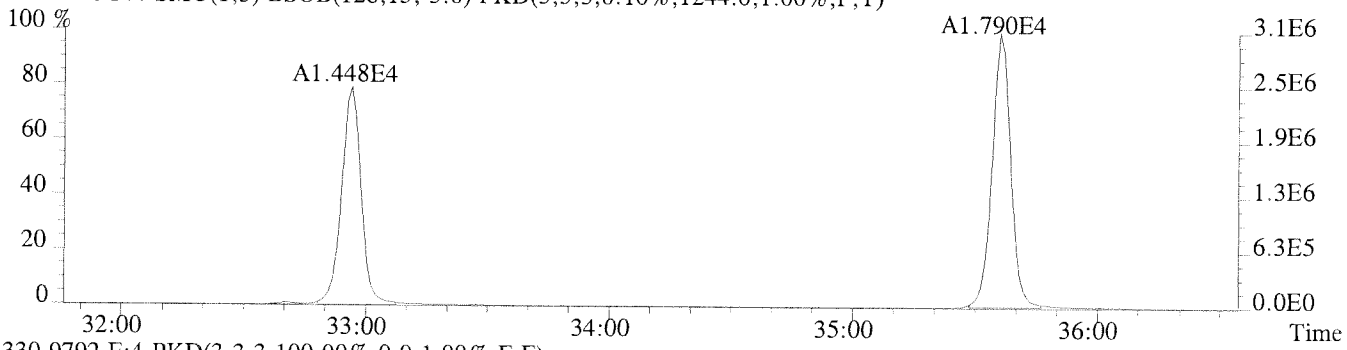
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1260.0,1.00%,F,T)



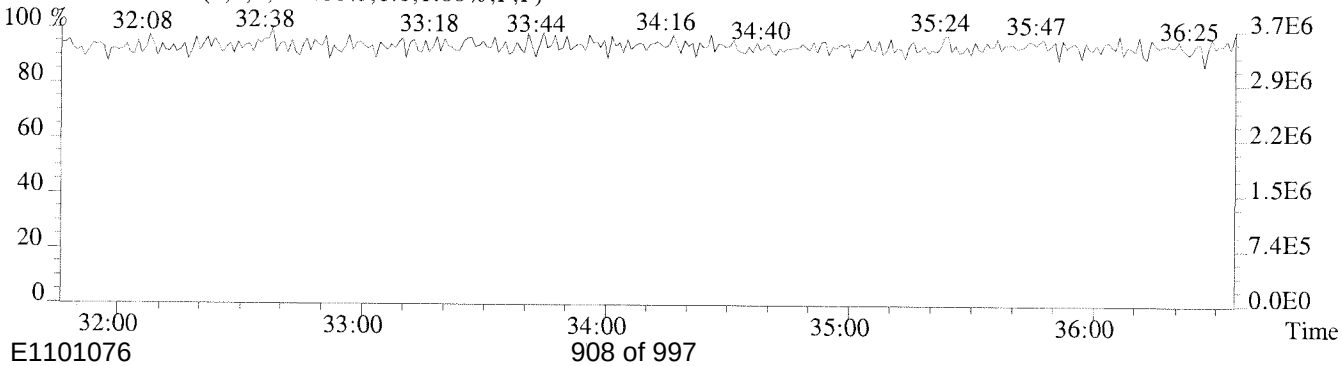
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2124.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1244.0,1.00%,F,T)

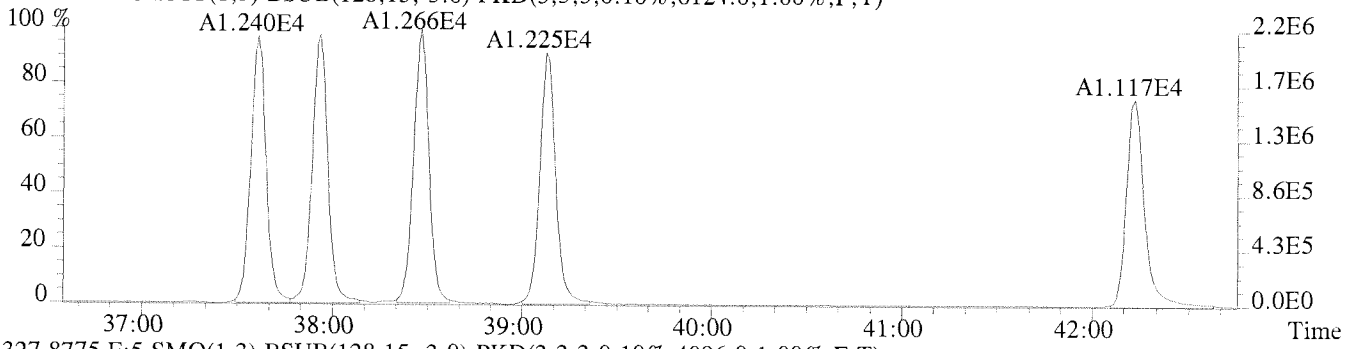


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

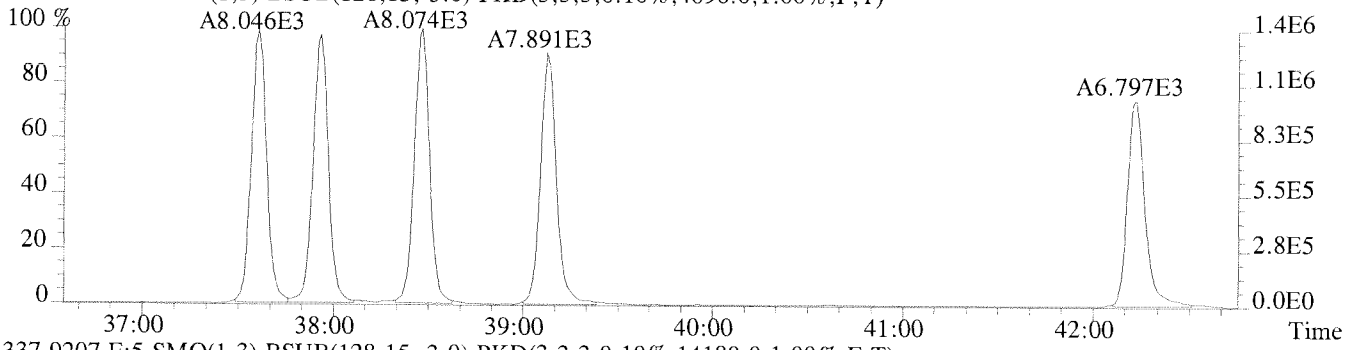


File:U139143 #1-395 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

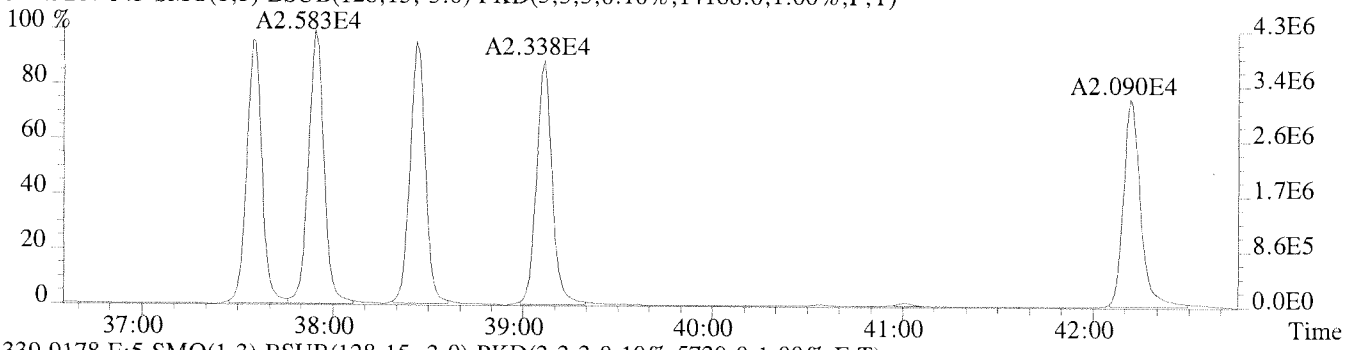
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6124.0,1.00%,F,T)



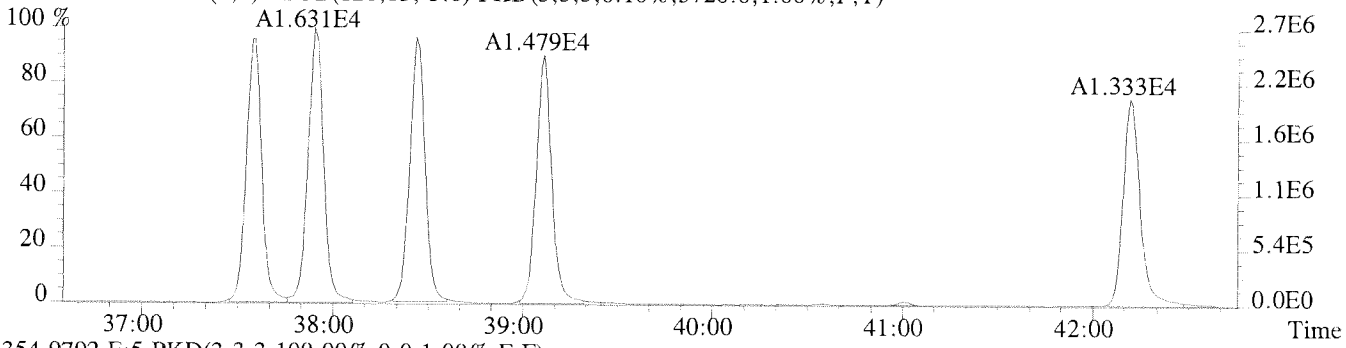
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4096.0,1.00%,F,T)



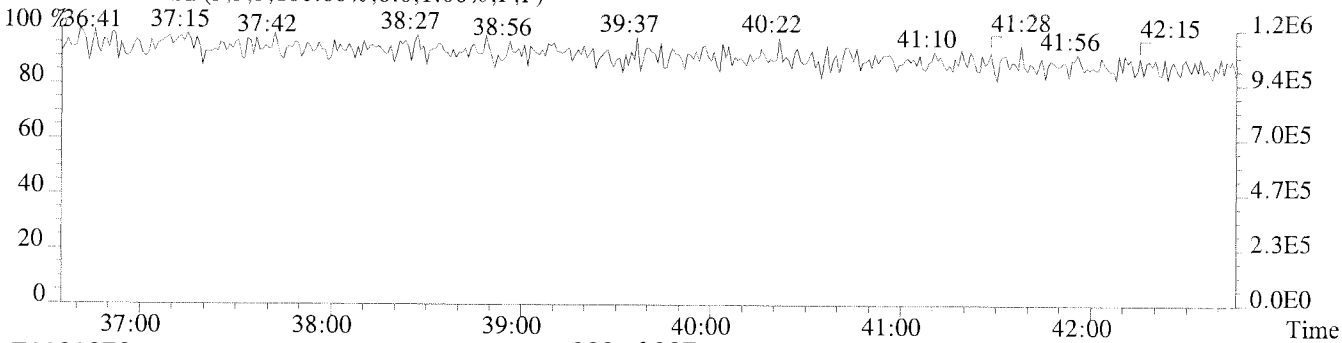
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,14188.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5720.0,1.00%,F,T)

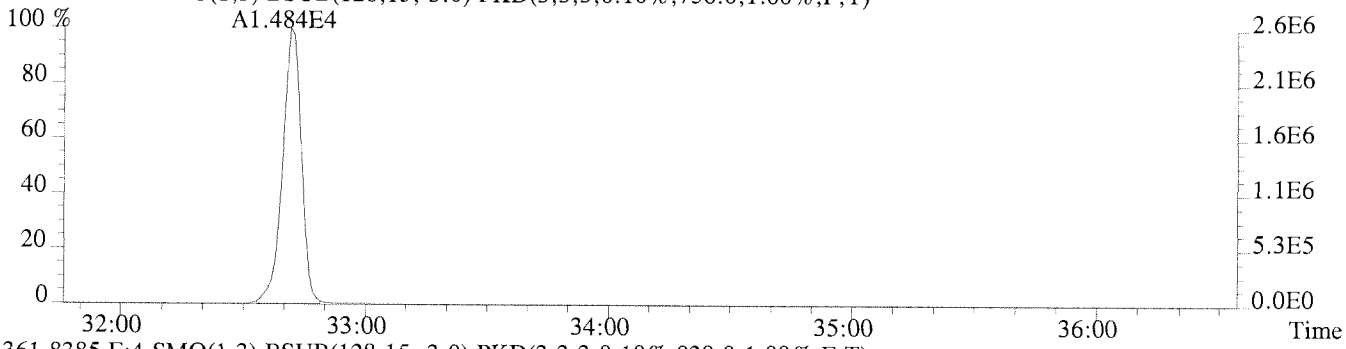


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

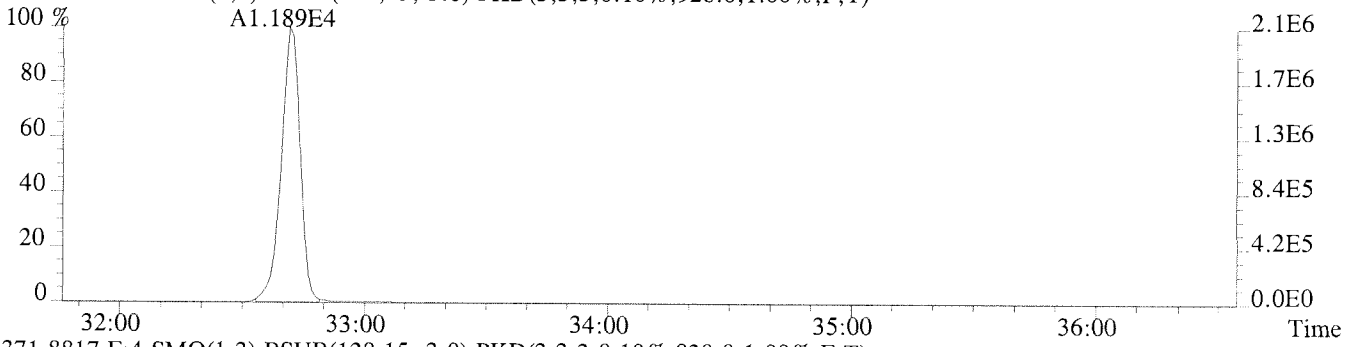


File:U139143 #1-308 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

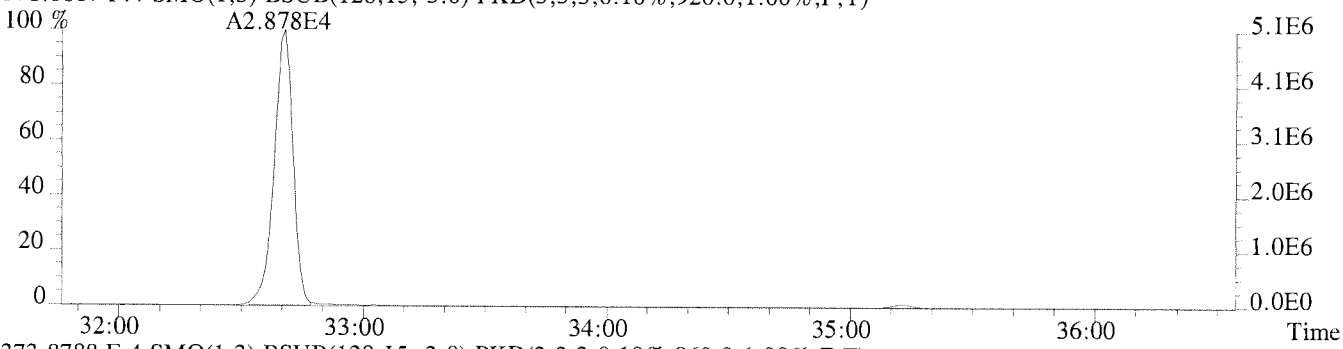
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,756.0,1.00%,F,T)



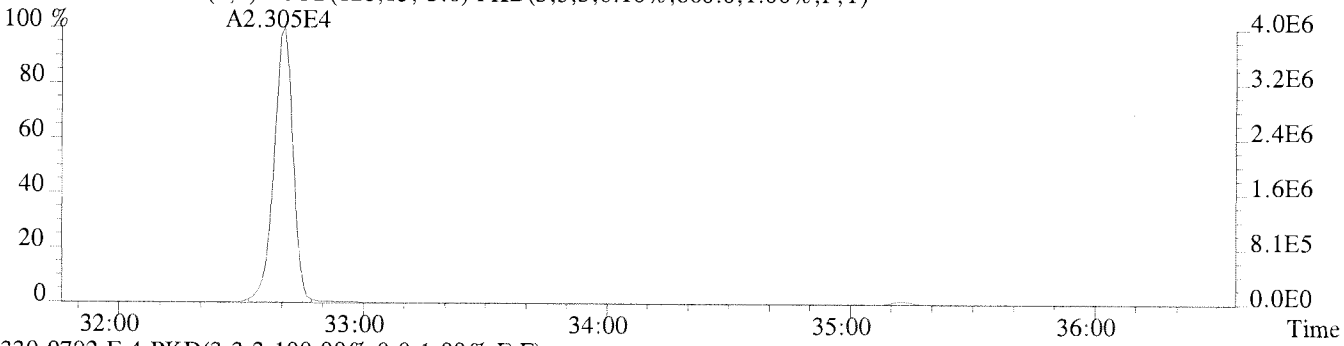
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,928.0,1.00%,F,T)



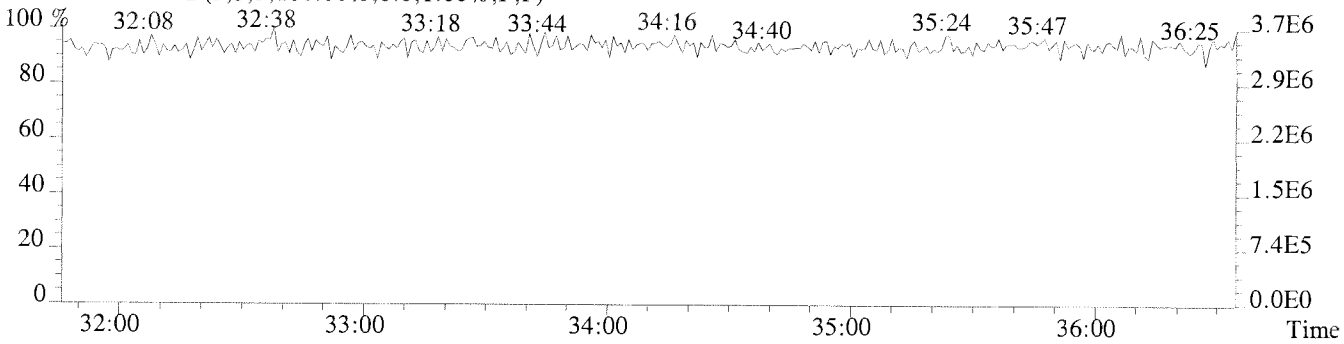
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,920.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,I5,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)

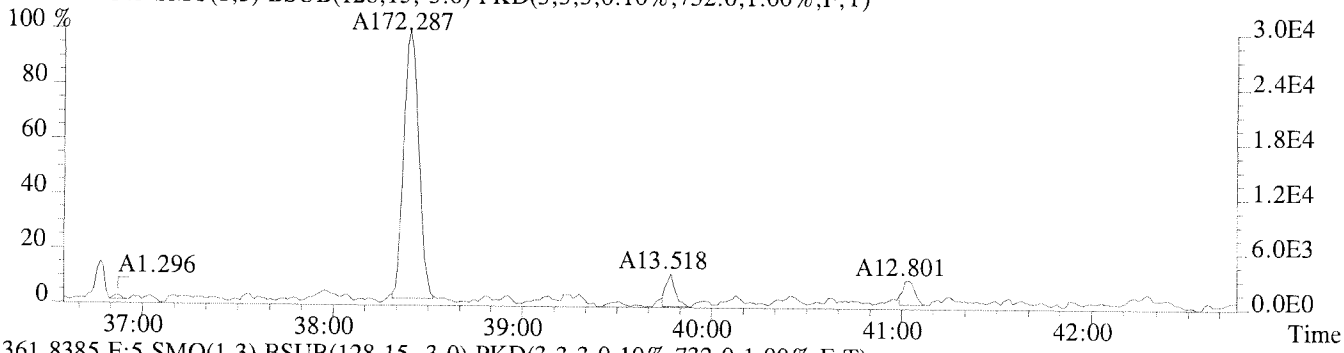


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

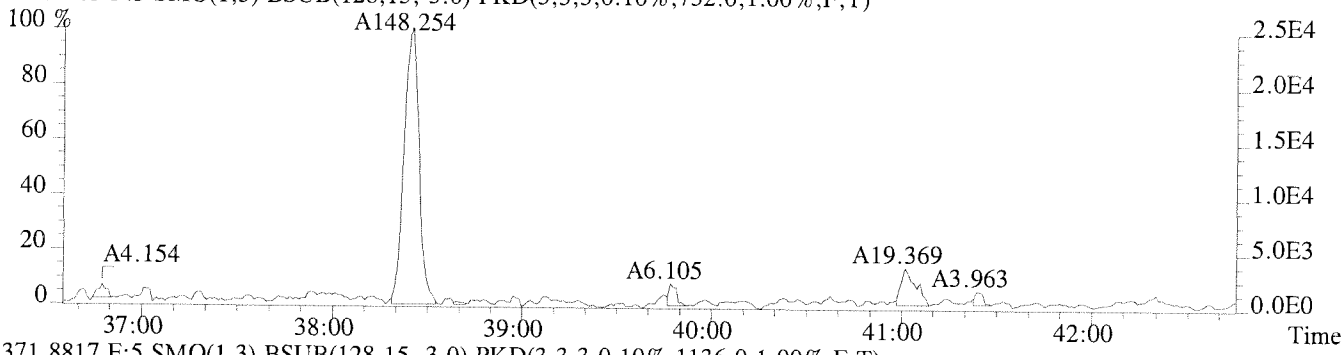


File:U139143 #1-395 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

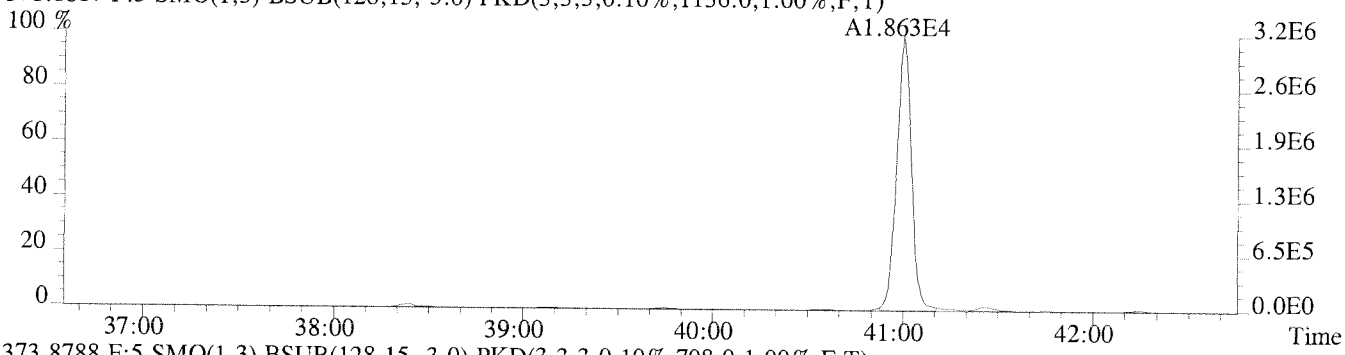
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,752.0,1.00%,F,T)



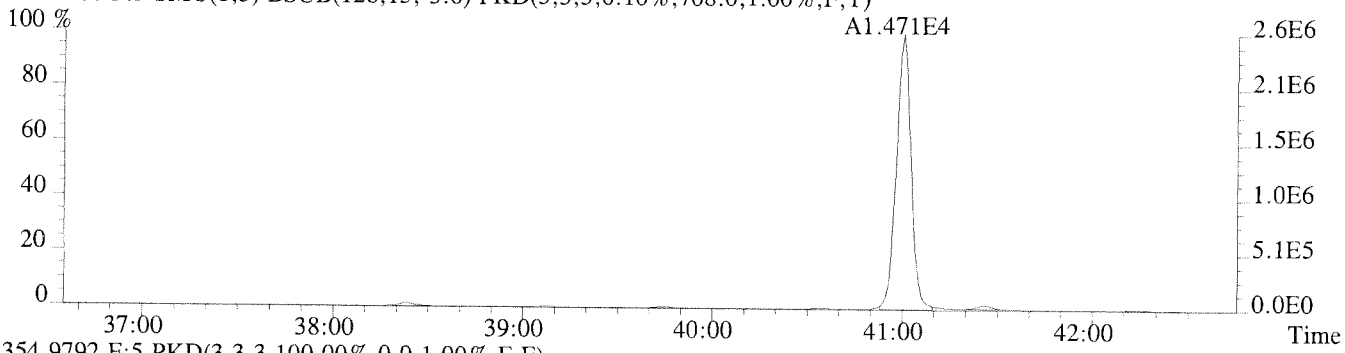
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,732.0,1.00%,F,T)



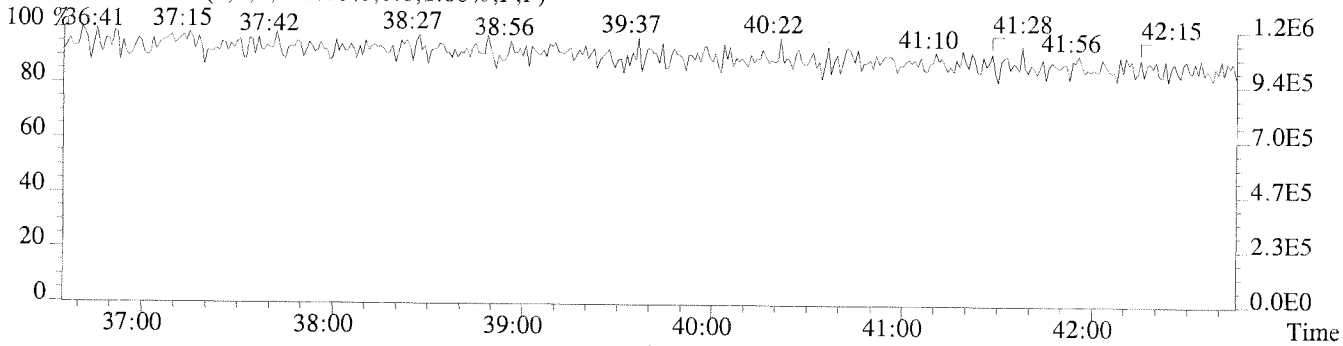
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1136.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,708.0,1.00%,F,T)

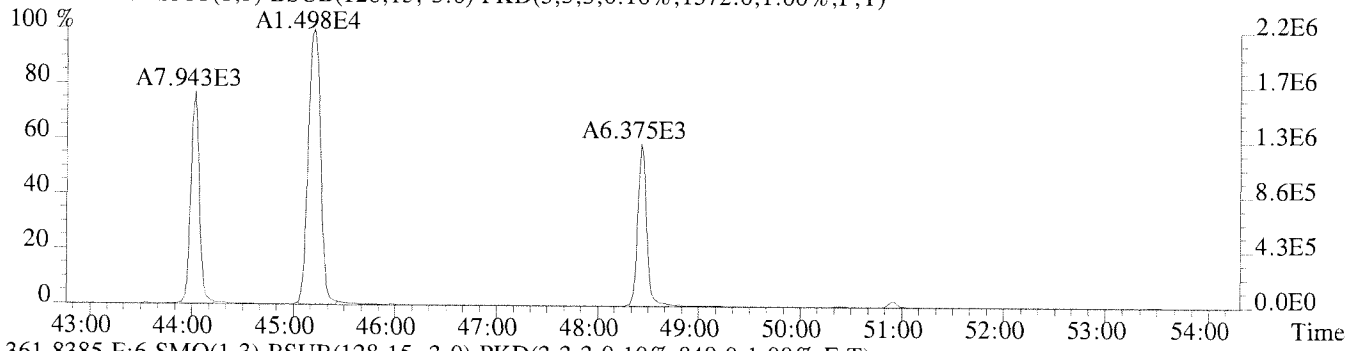


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

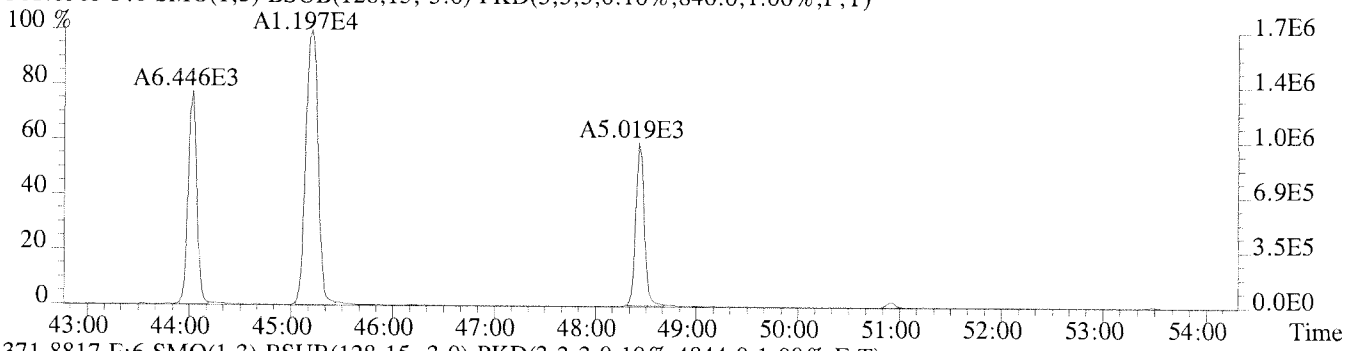


File:U139143 #1-572 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

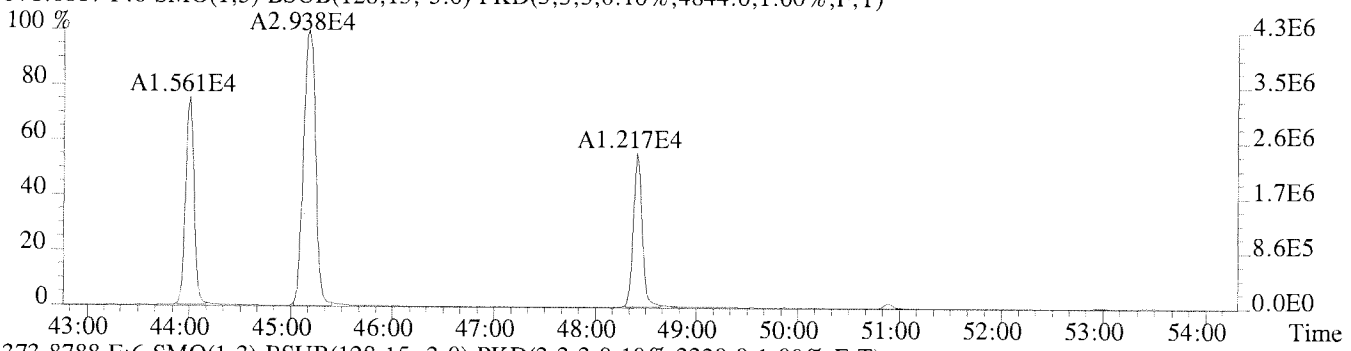
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1372.0,1.00%,F,T)



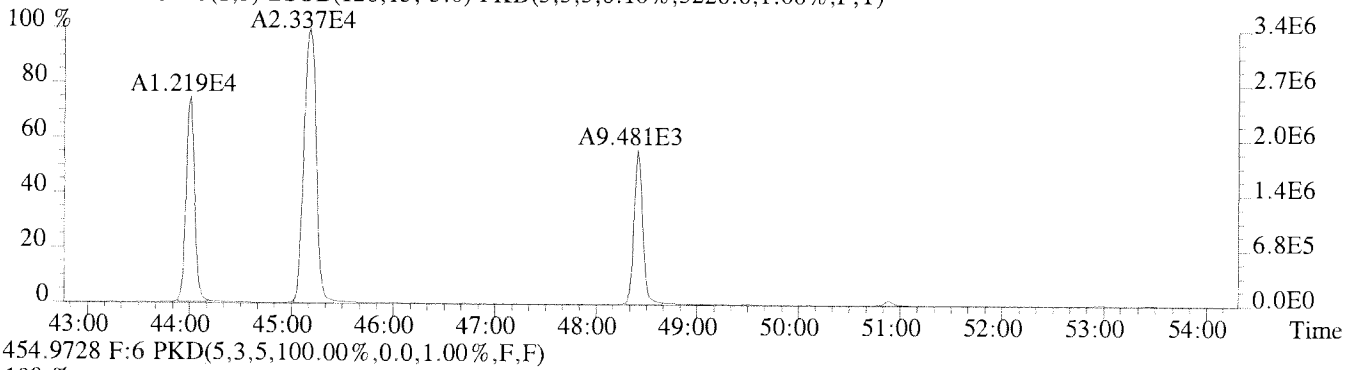
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,840.0,1.00%,F,T)



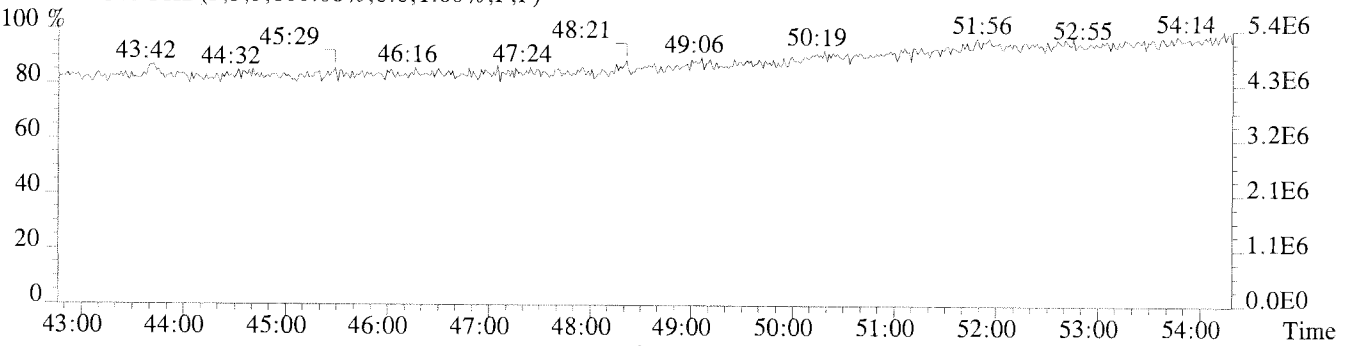
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4844.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3220.0,1.00%,F,T)

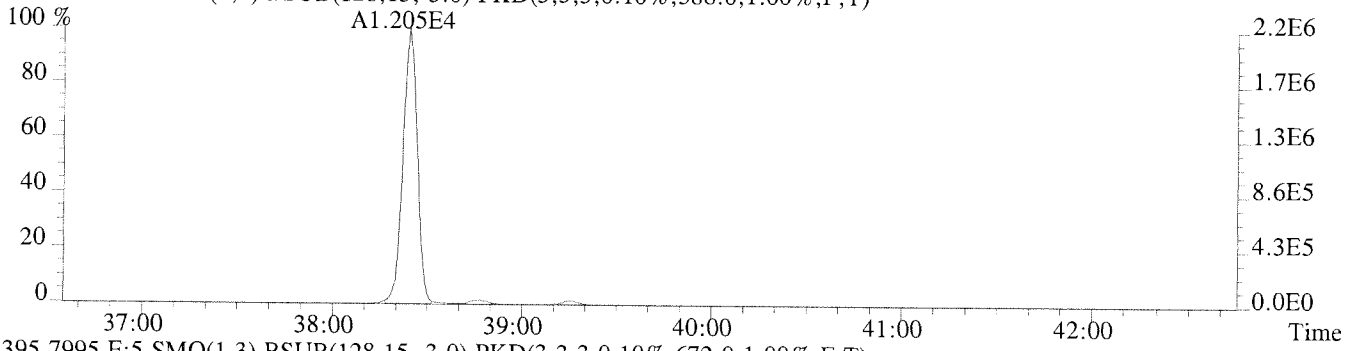


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

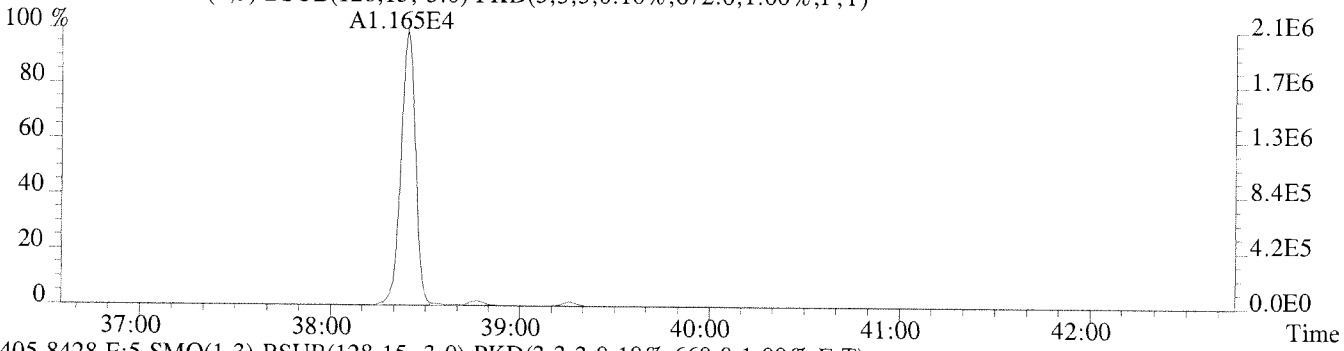


File:U139143 #1-395 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

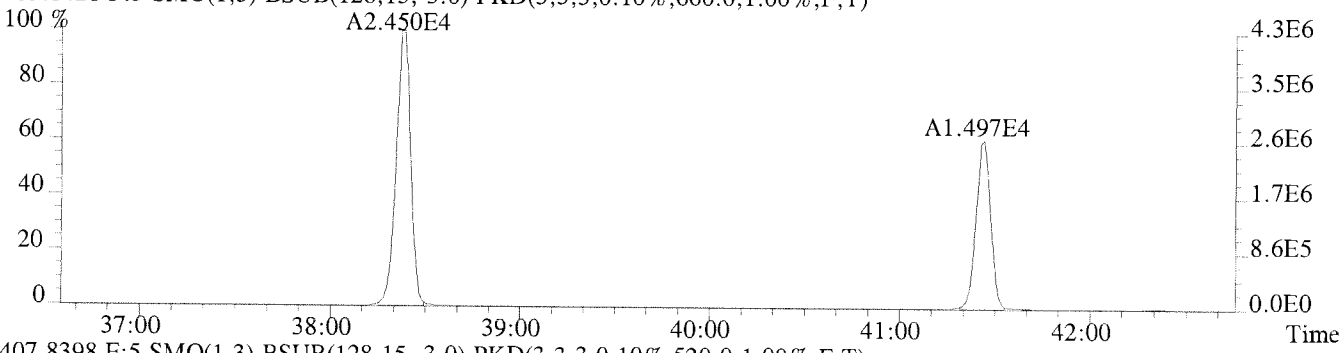
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,588.0,1.00%,F,T)



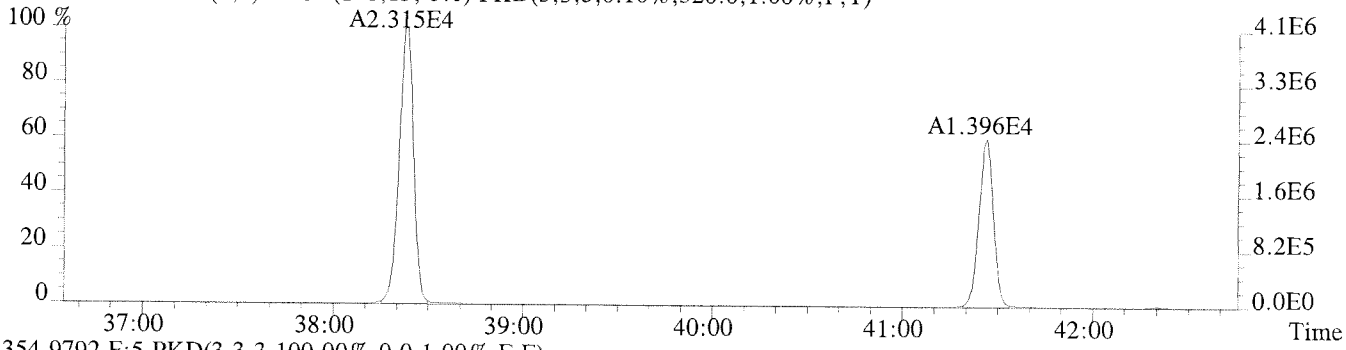
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,672.0,1.00%,F,T)



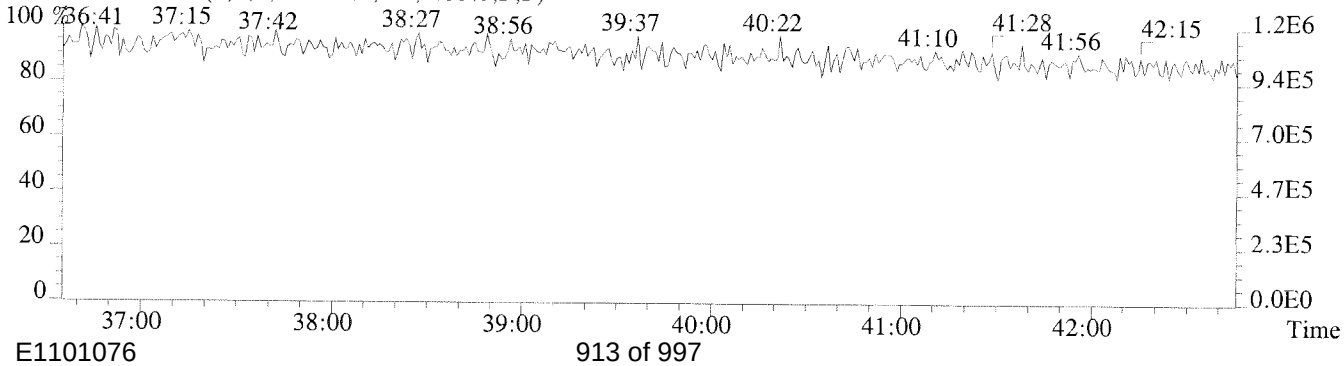
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,660.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,520.0,1.00%,F,T)

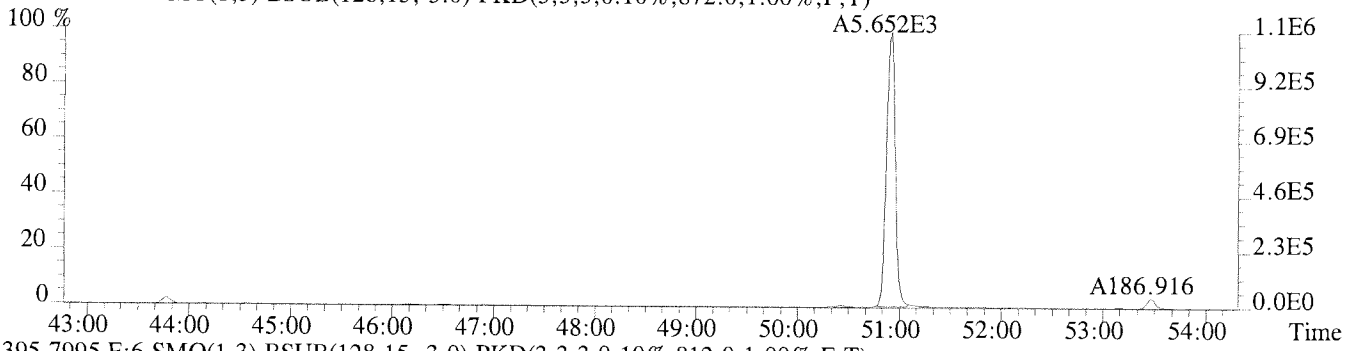


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

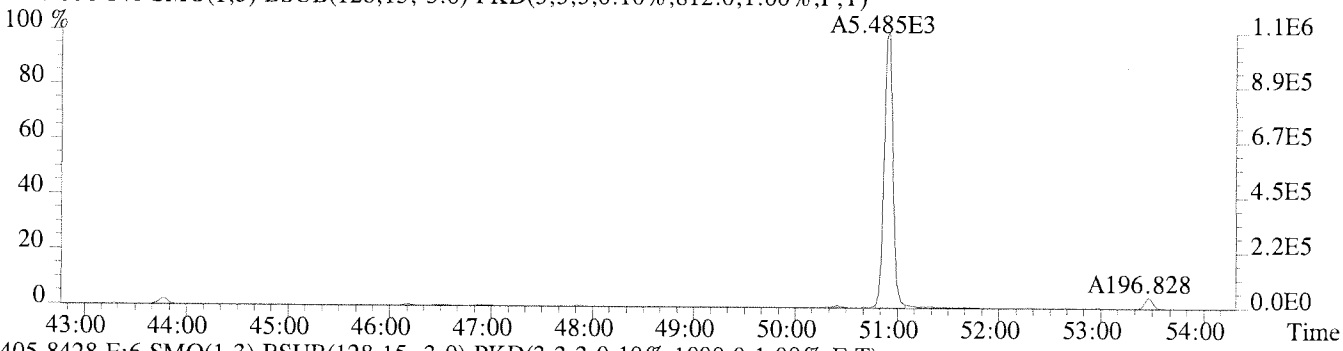


File:U139143 #1-572 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

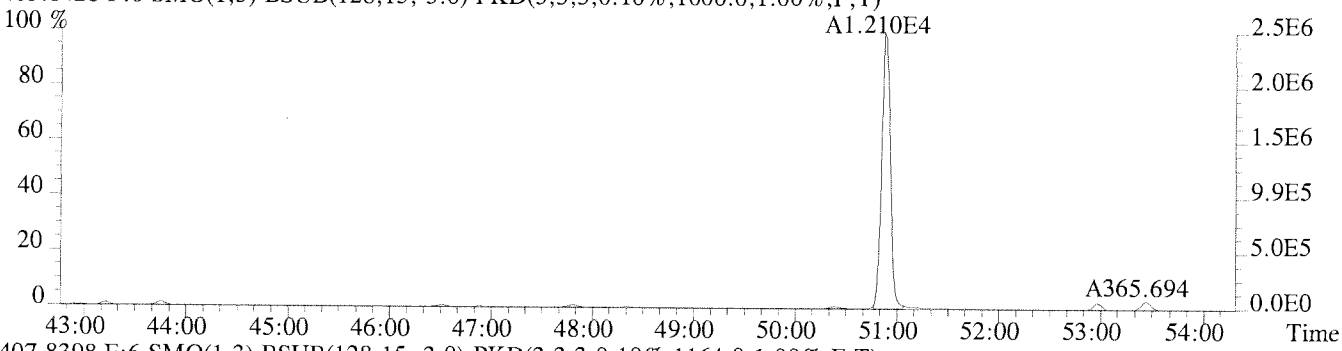
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



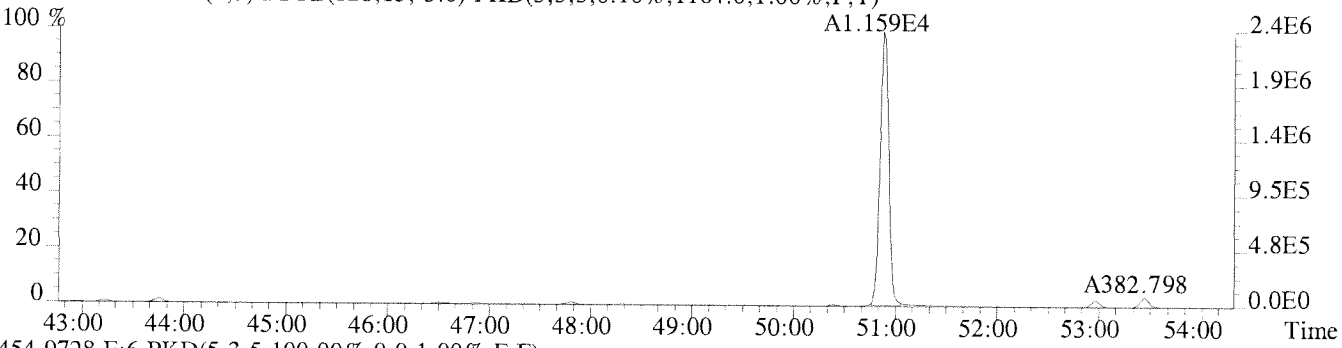
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,812.0,1.00%,F,T)



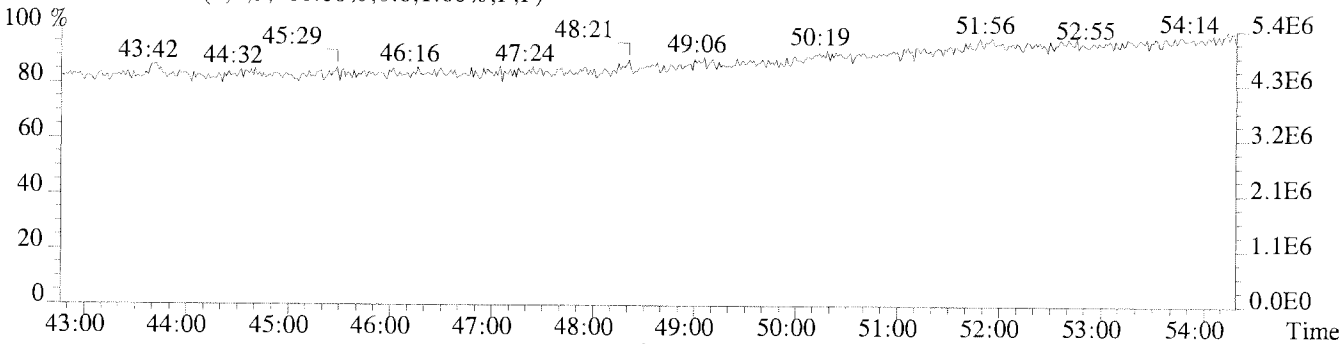
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1164.0,1.00%,F,T)

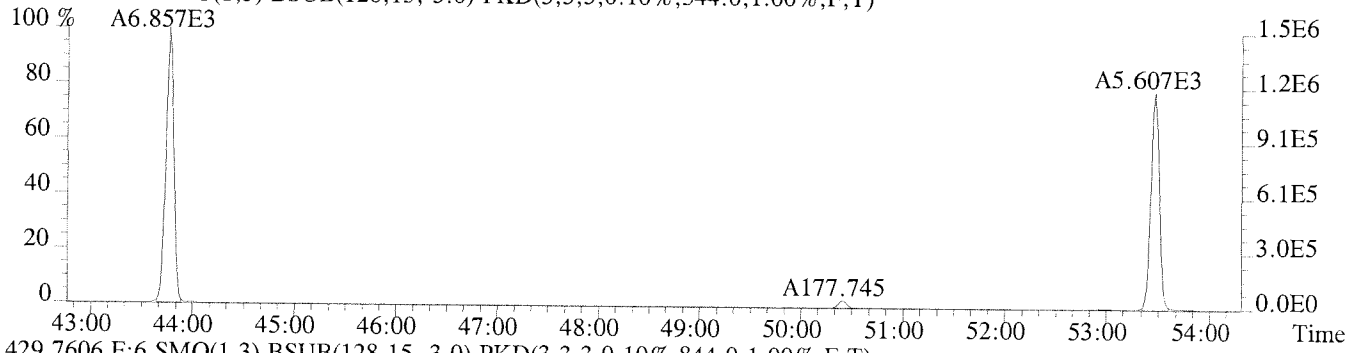


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

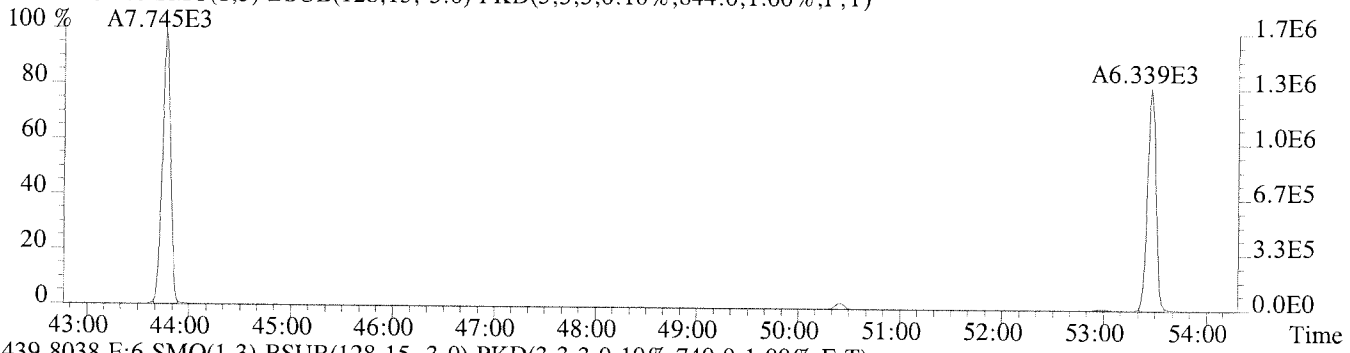


File:U139143 #1-572 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

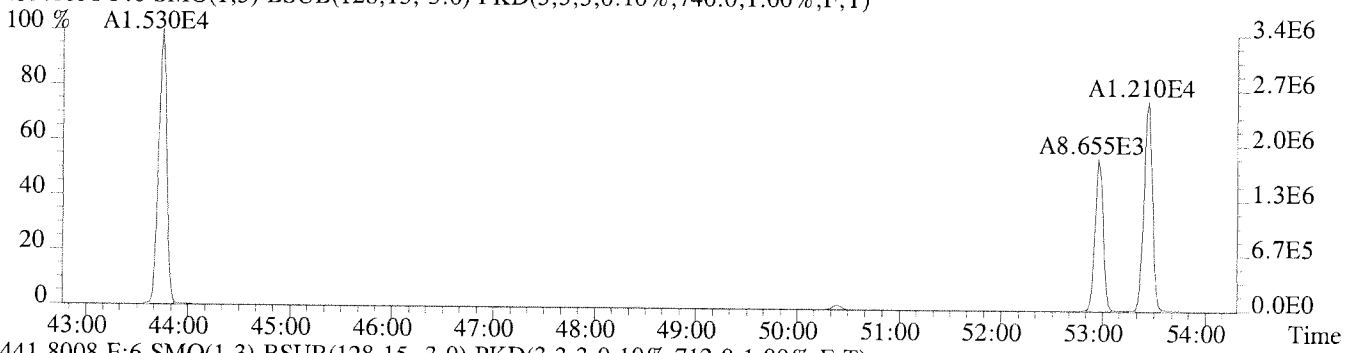
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,544.0,1.00%,F,T)



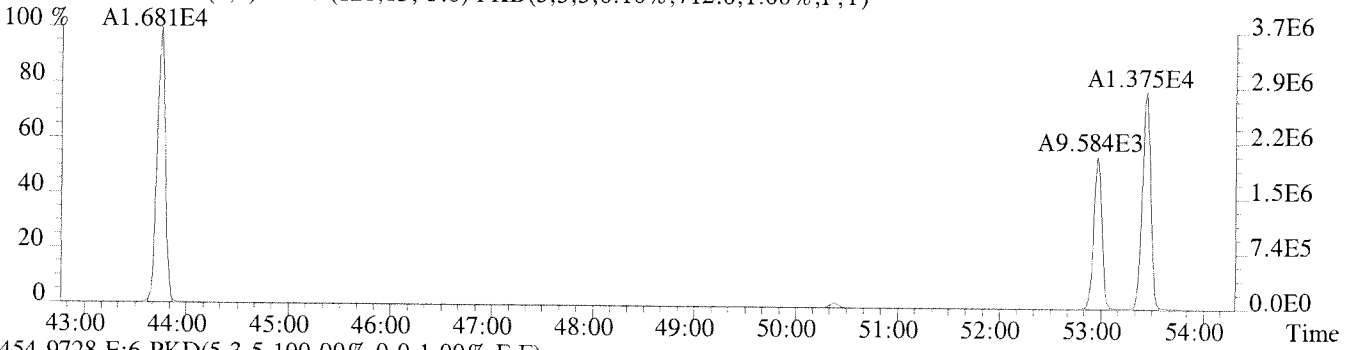
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



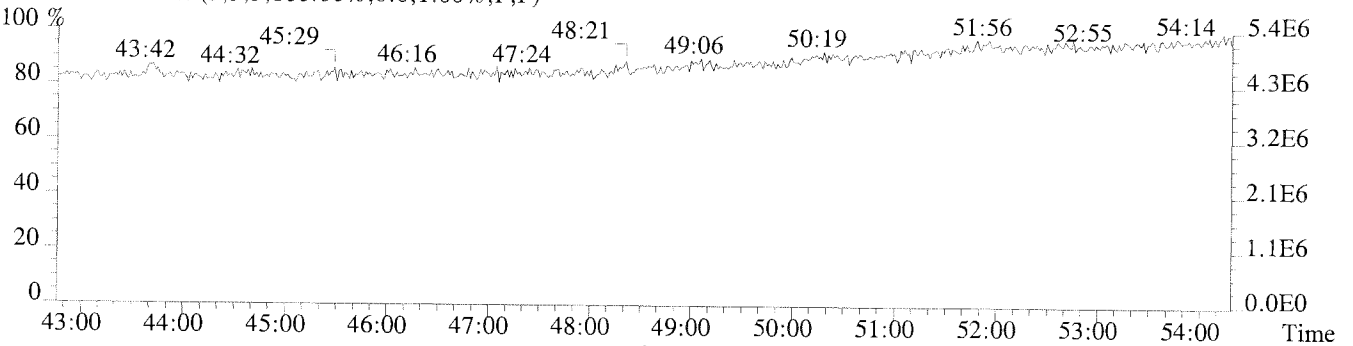
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,740.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,712.0,1.00%,F,T)

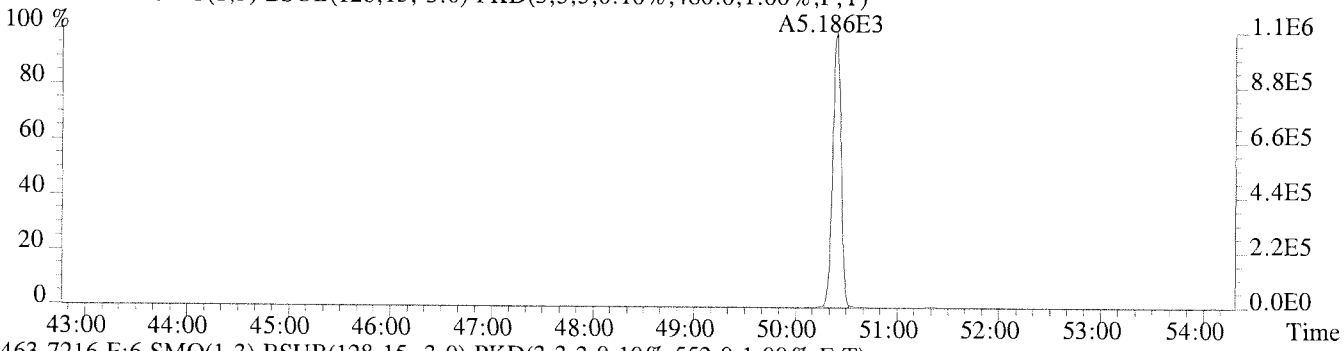


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

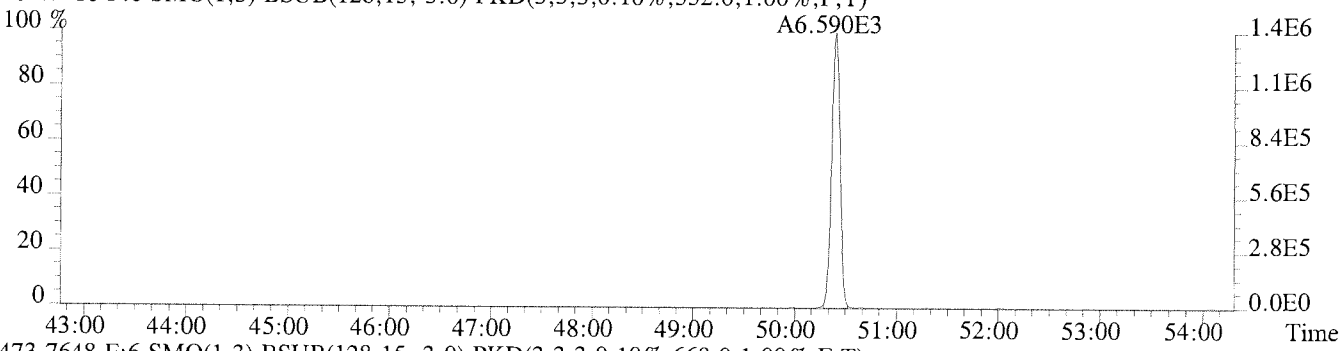


File:U139143 #1-572 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

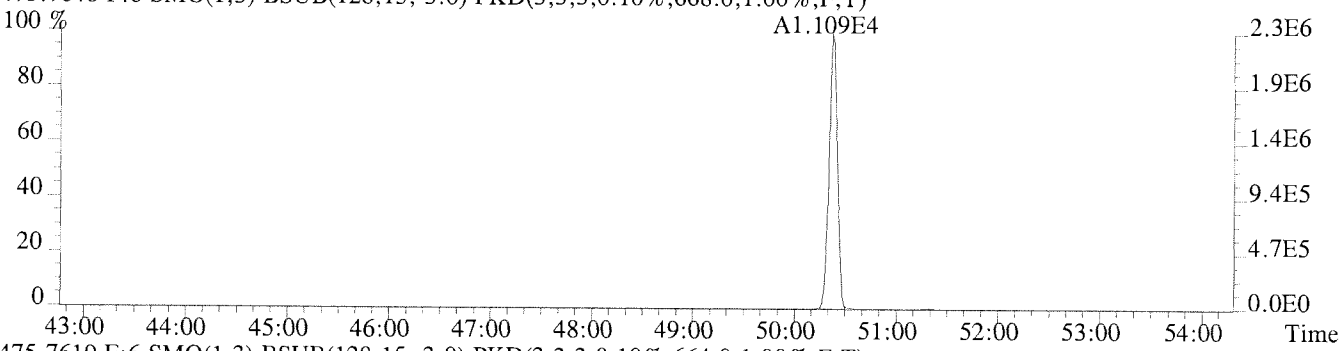
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,480.0,1.00%,F,T)



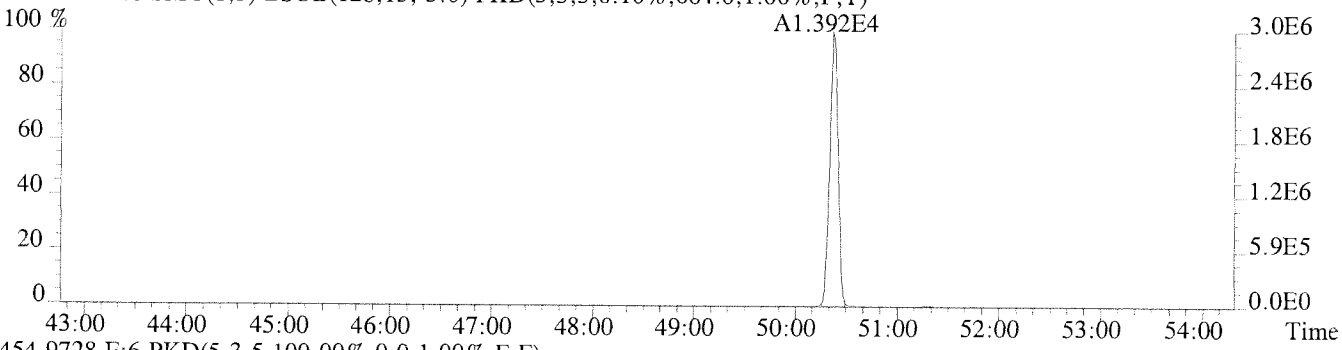
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,552.0,1.00%,F,T)



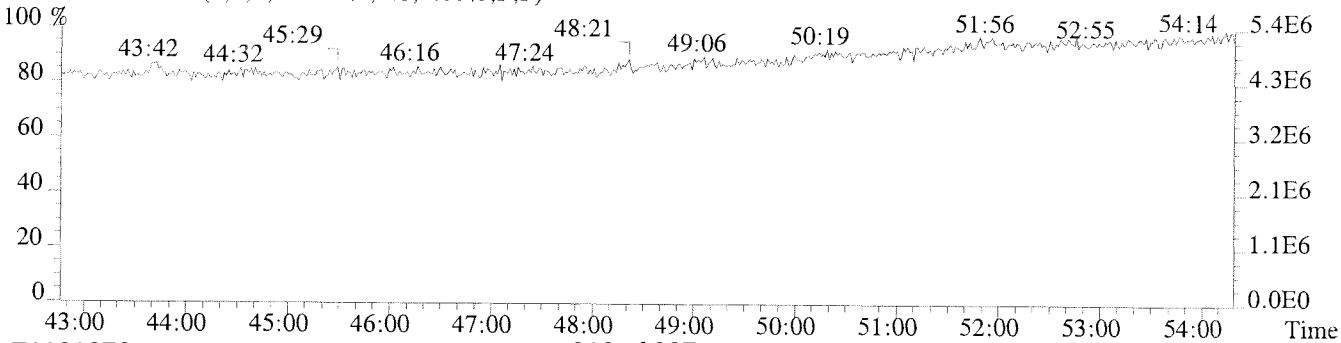
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,668.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,664.0,1.00%,F,T)

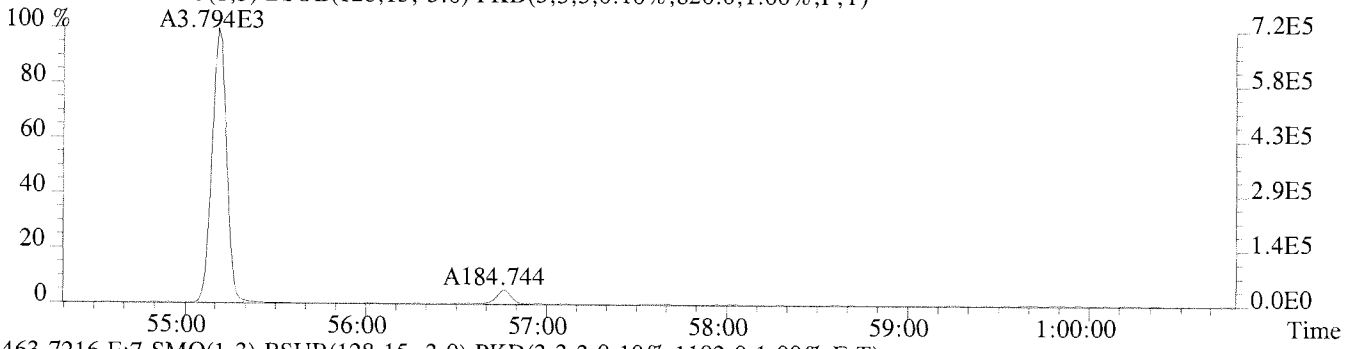


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

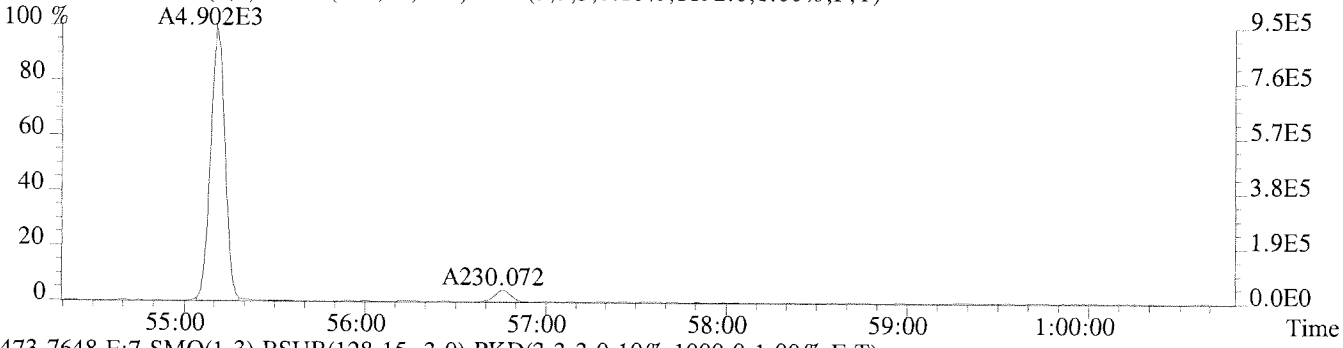


File:U139143 #1-366 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

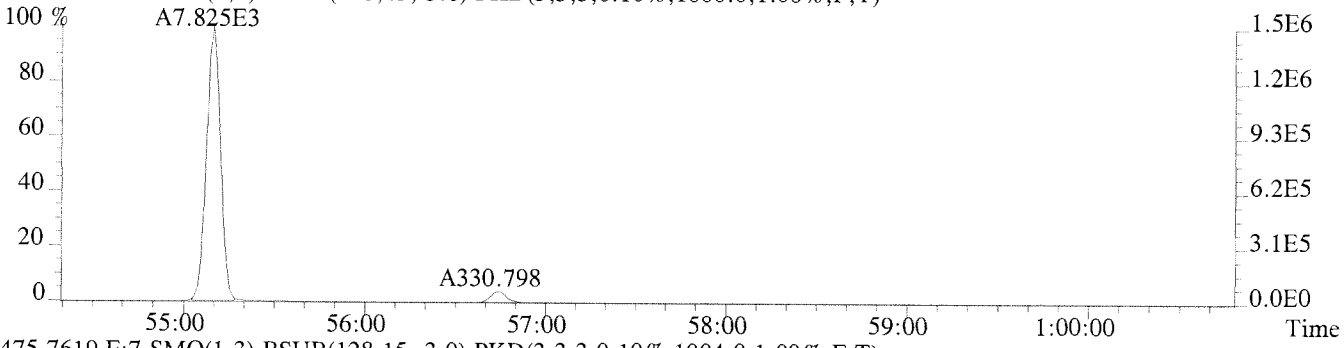
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



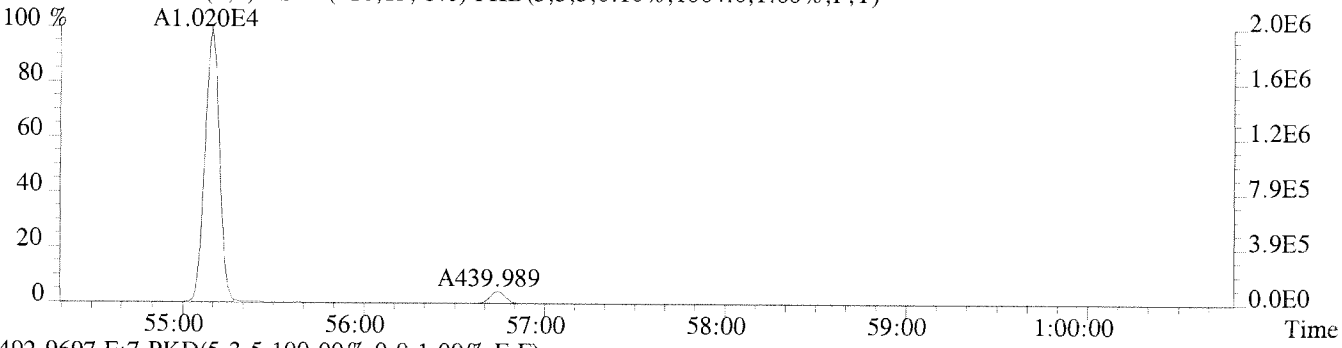
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1192.0,1.00%,F,T)



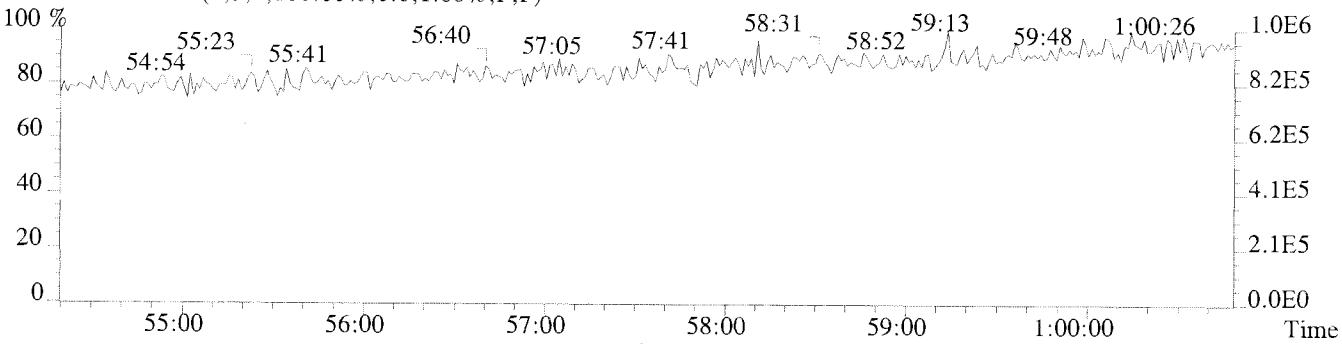
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)

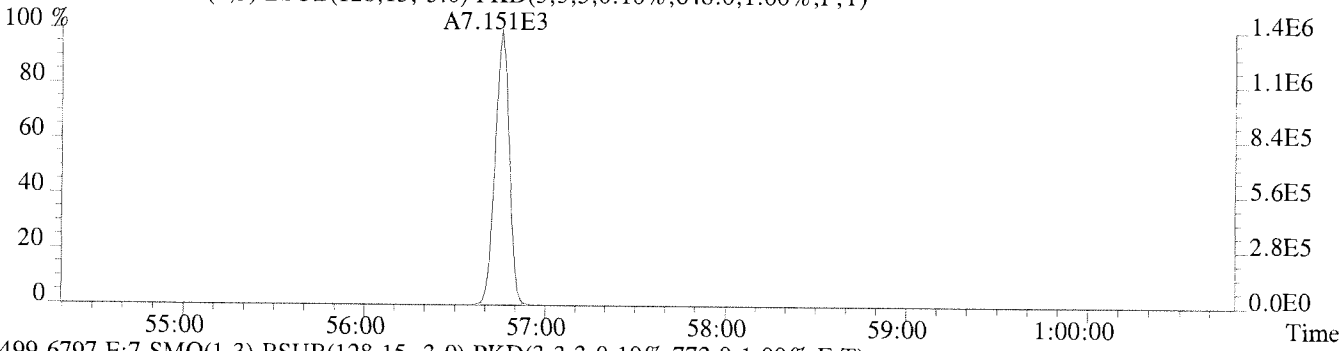


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

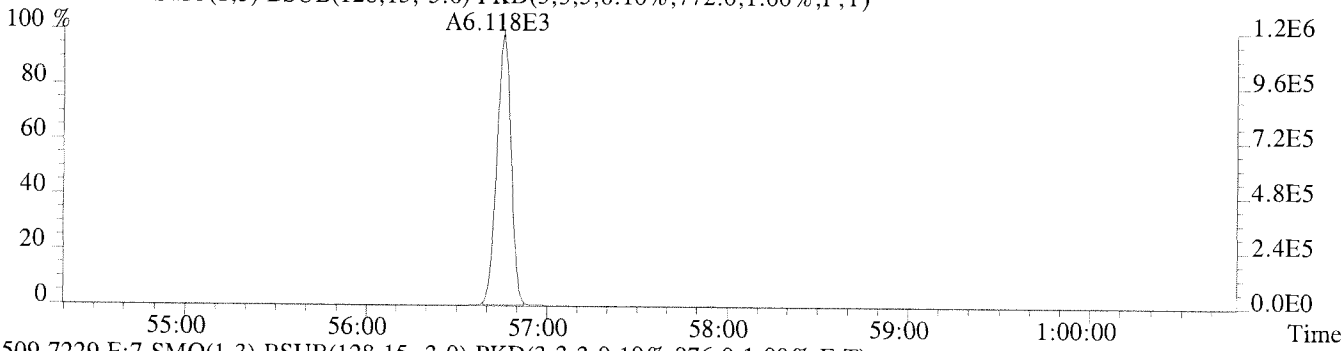


File:U139143 #1-366 Acq:23-FEB-2011 14:38:18 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS3

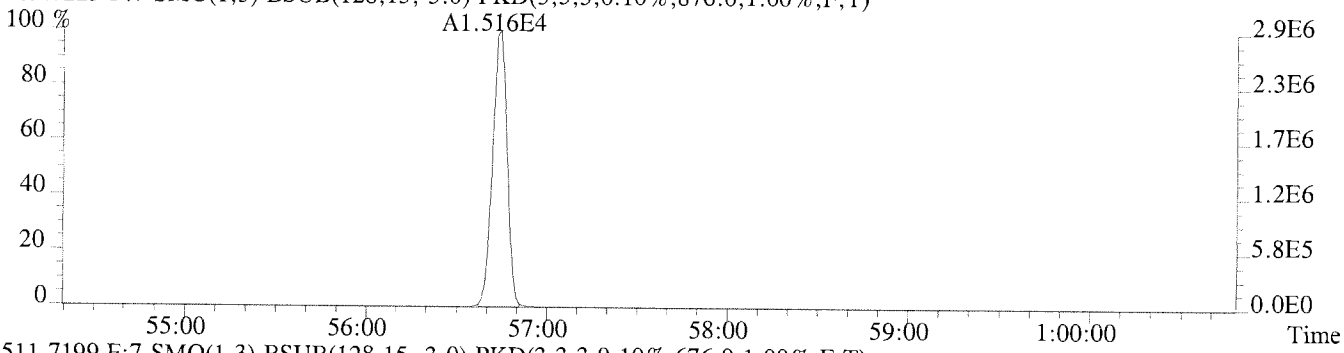
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,648.0,1.00%,F,T)



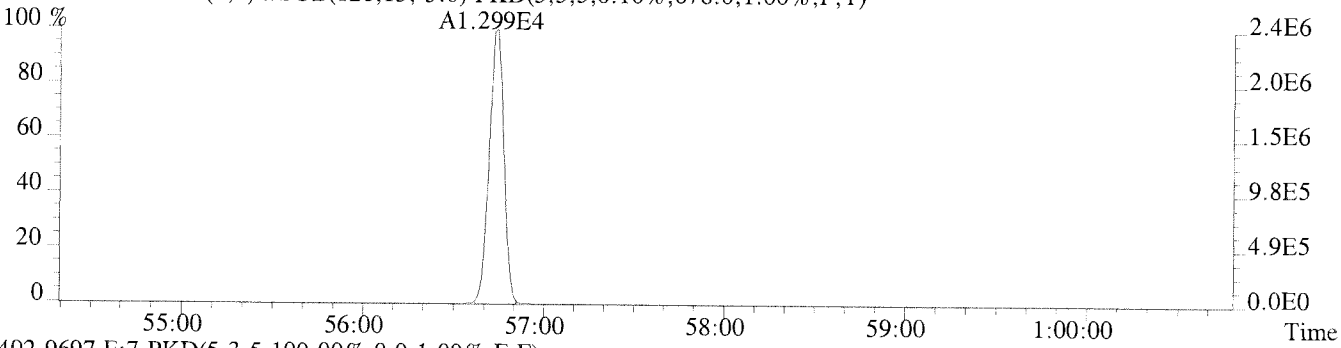
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,772.0,1.00%,F,T)



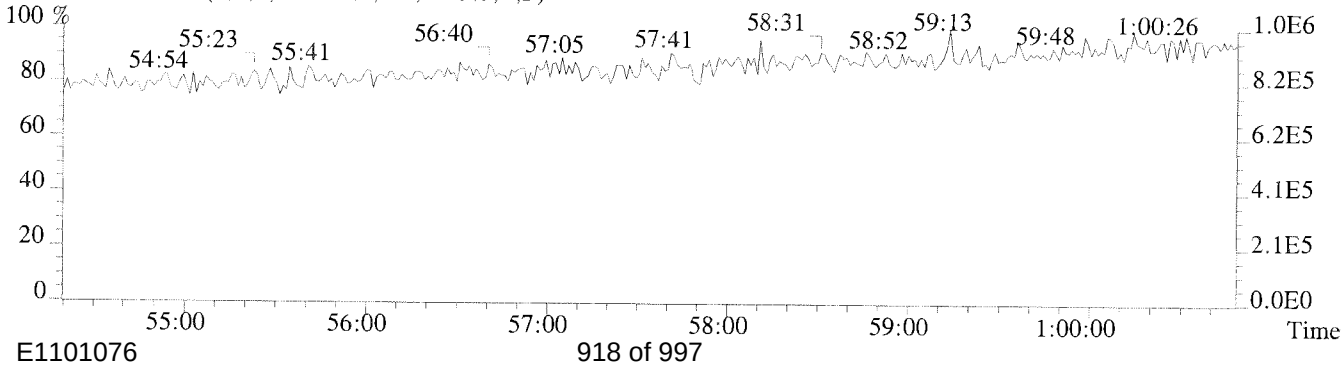
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,676.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
ICAL CS4

Run #4 Filename U139144 #1 Samp: 1 Inj: 1 Acquired: 23-FEB-11 15:48:29
Processed: 24-FEB-11 17:57:08 LAB. ID: ICAL CS4

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRT
1	1	2-MoCB	13:03	3.500e+04	1.126e+04	3.11	yes	no	1.001
2	3	4-MoCB	15:15	3.248e+04	1.033e+04	3.15	yes	yes	1.001
3	4	22'-DiCB	15:28	1.900e+04	1.216e+04	1.56	yes	no	1.001
4	15	44'-DiCB	21:24	2.044e+04	1.297e+04	1.58	yes	no	1.001
5	19	22'6'-TrCB	18:34	1.172e+04	1.144e+04	1.02	yes	no	1.001
6	37	344'-TrCB	28:24	1.514e+04	1.439e+04	1.05	yes	no	1.001
7	54	22'66'-TeCB	21:38	1.247e+04	1.623e+04	0.77	yes	no	1.001
8	81	344'5-TeCB	35:07	9.780e+03	1.265e+04	0.77	yes	no	1.001
9	77	33'44'-TeCB	35:42	9.875e+03	1.287e+04	0.77	yes	no	1.001
10	104	22'466'-PeCB	27:05	1.800e+04	1.131e+04	1.59	yes	no	1.001
11	123	2'344'5-PeCB	37:37	1.190e+04	7.369e+03	1.61	yes	no	1.001
12	118	23'44'5-PeCB	37:57	1.244e+04	7.488e+03	1.66	yes	no	1.001
13	114	2344'5-PeCB	38:28	1.230e+04	7.684e+03	1.60	yes	no	1.000
14	105	233'44'-PeCB	39:08	1.150e+04	7.201e+03	1.60	yes	no	1.000
15	126	33'44'5-PeCB	42:14	9.763e+03	5.974e+03	1.63	yes	no	1.001
16	155	22'44'66'-HxCB	32:42	1.565e+04	1.226e+04	1.28	yes	no	1.001
17	167	23'44'55'-HxCB	44:02	8.145e+03	6.616e+03	1.23	yes	no	1.000
18	156/7	233'44'5-HxCB	45:13	1.518e+04	1.251e+04	1.21	yes	no	1.000
19	169	33'44'55'-HxCB	48:27	6.580e+03	5.355e+03	1.23	yes	no	1.000
20	188	22'34'566'-HpCB	38:25	1.201e+04	1.188e+04	1.01	yes	no	1.001
21	189	233'44'55'-HpCB	50:55	5.849e+03	5.823e+03	1.00	yes	no	1.000
22	202	22'33'55'66'-OcCB	43:47	8.398e+03	9.630e+03	0.87	yes	no	1.001
23	205	233'44'55'6-OcCB	53:28	5.969e+03	6.616e+03	0.90	yes	no	1.000
24	208	22'33'4'55'66'-NoCB	50:25	5.473e+03	7.088e+03	0.77	yes	no	1.000
25	206	22'33'44'55'6-NoCB	55:12	4.238e+03	5.498e+03	0.77	yes	no	1.000
26	209	DeCB	56:46	8.251e+03	6.958e+03	1.19	yes	no	1.000
27	1L	13C-2-MoCB	13:02	7.971e+03	2.384e+03	3.34	yes	yes	0.748
28	3L	13C-4-MoCB	15:14	7.519e+03	2.540e+03	2.96	yes	yes	0.875
29	4L	13C-22'-DiCB	15:27	4.320e+03	2.794e+03	1.55	yes	no	0.887
30	15L	13C-44'-DiCB	21:23	4.743e+03	3.281e+03	1.45	yes	no	1.228
31	19L	13C-22'6'-TrCB	18:33	2.956e+03	2.825e+03	1.05	yes	no	1.065
32	37L	13C-344'-TrCB	28:23	3.625e+03	3.141e+03	1.15	yes	yes	1.086
33	54L	13C-22'66'-TeCB	21:37	3.258e+03	4.016e+03	0.81	yes	no	0.827
34	81L	13C-344'5-TeCB	35:05	2.398e+03	3.102e+03	0.77	yes	no	1.342
35	77L	13C-33'44'-TeCB	35:40	2.370e+03	3.279e+03	0.72	yes	no	1.365
36	104L	13C-22'466'-PeCB	27:03	4.332e+03	2.729e+03	1.59	yes	no	0.821
37	123L	13C-2'344'5-PeCB	37:35	3.043e+03	1.789e+03	1.70	yes	no	1.141
38	118L	13C-23'44'5-PeCB	37:55	3.038e+03	1.939e+03	1.57	yes	no	1.151
39	114L	13C-2344'5-PeCB	38:27	3.112e+03	1.877e+03	1.66	yes	no	1.167
40	105L	13C-233'44'-PeCB	39:07	2.855e+03	1.759e+03	1.62	yes	no	1.187
41	126L	13C-33'44'5-PeCB	42:12	2.711e+03	1.623e+03	1.67	yes	no	1.281
42	155L	13C-22'44'66'-HxCB	32:41	3.983e+03	3.136e+03	1.27	yes	no	0.797
43	167L	13C-23'44'55'-HxCB	44:01	2.130e+03	1.634e+03	1.30	yes	no	1.073
44	156/7	13C-233'44'5'-HxCB	45:12	3.829e+03	2.991e+03	1.28	yes	no	1.102
45	169L	13C-33'44'55'-HxCB	48:26	1.765e+03	1.415e+03	1.25	yes	no	1.181
46	188L	13C-22'34'566'-HpCB	38:23	3.100e+03	2.936e+03	1.06	yes	no	0.724
47	189L	13C-233'44'55'-HpCB	50:54	1.806e+03	1.775e+03	1.02	yes	no	0.961
48	202L	13C-22'33'55'66'-OcCB	43:45	2.486e+03	2.854e+03	0.87	yes	no	0.826
49	205L	13C-233'44'55'6-OcCB	53:27	1.778e+03	1.922e+03	0.92	yes	no	1.009
50	208L	13C-22'33'4'55'66'-NoCB	50:24	1.583e+03	1.992e+03	0.79	yes	no	0.951
51	206L	13C-22'33'44'55'6-NoCB	55:11	1.195e+03	1.533e+03	0.78	yes	no	1.042
52	209L	13C-DeCB	56:45	2.397e+03	2.089e+03	1.15	yes	no	1.071

53	28L	13C-244'-TrCB	24:20	4.264e+03	4.082e+03	1.04	yes	yes	0.931
54	111L	13C-233'55'-PeCB	35:37	3.717e+03	2.373e+03	1.57	yes	no	1.081
55	178L	13C-22'33'55'6-HpCB	41:26	2.077e+03	2.028e+03	1.02	yes	no	1.010
56	9L	13C-2,5-DiCB	17:25	5.308e+03	3.479e+03	1.53	yes	no	*
57	52L	13C-22'55'-TeCB	26:08	2.743e+03	3.581e+03	0.77	yes	no	*
58	101L	13C-22'4'55'-PeCB	32:57	3.094e+03	1.973e+03	1.57	yes	no	*
59	138L	13C-22'3'44'5'-HxCB	41:01	2.357e+03	1.802e+03	1.31	yes	no	*
60	194L	13C-22'33'44'55'-OcCB	52:59	1.345e+03	1.479e+03	0.91	yes	no	*

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
ICAL CS4

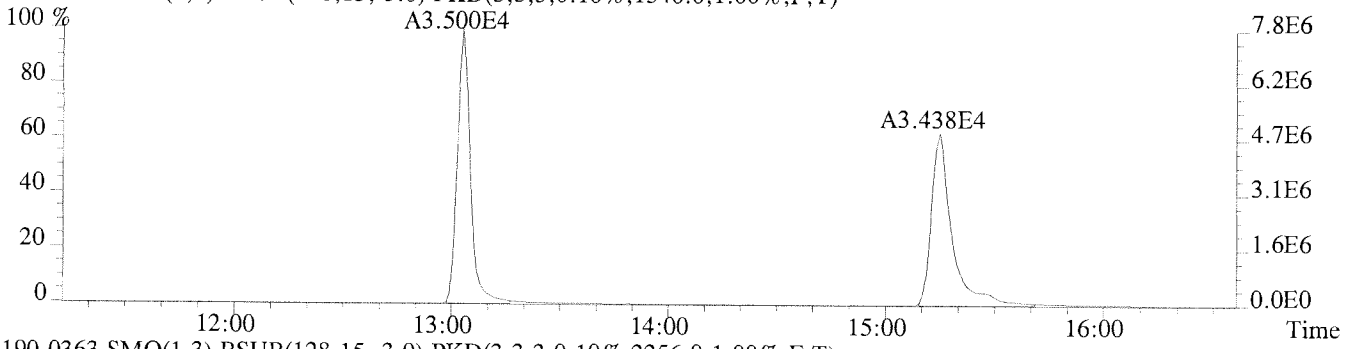
Run #4 Filename U139144 Samp: 1 Inj: 1 Acquired: 23-FEB-11 15:48:29
Processed: 24-FEB-11 17:57:081 LAB. ID: ICAL CS4

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2-MoCB	7.81e+06	1.54e+03	5.1e+03	2.50e+06	2.26e+03	1.1e+03
2	4-MoCB	4.90e+06	1.54e+03	3.2e+03	1.57e+06	2.26e+03	6.9e+02
3	22'-DiCB	3.69e+06	2.14e+03	1.7e+03	2.38e+06	9.02e+03	2.6e+02
4	44'-DiCB	2.67e+06	2.49e+03	1.1e+03	1.66e+06	7.91e+03	2.1e+02
[illegible]	22'6'-TrCB	2.25e+06	9.72e+02	2.3e+03	2.22e+06	1.28e+03	1.7e+03
6	344'-TrCB	1.75e+06	1.35e+03	1.3e+03	1.69e+06	1.23e+03	1.4e+03
7	22'66'-TeCB	2.35e+06	9.04e+02	2.6e+03	3.05e+06	8.80e+02	3.5e+03
8	344'5-TeCB	1.38e+06	6.04e+02	2.3e+03	1.75e+06	1.76e+03	1.0e+03
9	33'44'-TeCB	1.25e+06	6.04e+02	2.1e+03	1.59e+06	1.76e+03	9.1e+02
10	22'466'-PeCB	3.04e+06	1.14e+03	2.7e+03	1.91e+06	1.22e+03	1.6e+03
11	2'344'5-PeCB	1.98e+06	1.91e+04	1.0e+02	1.24e+06	1.78e+04	7.0e+01
12	23'44'5-PeCB	1.99e+06	1.91e+04	1.0e+02	1.24e+06	1.78e+04	7.0e+01
13	2344'5-PeCB	2.02e+06	1.91e+04	1.1e+02	1.29e+06	1.78e+04	7.3e+01
14	233'44'-PeCB	1.82e+06	1.91e+04	9.5e+01	1.18e+06	1.78e+04	6.7e+01
15	33'44'5-PeCB	1.45e+06	1.91e+04	7.6e+01	9.04e+05	1.78e+04	5.1e+01
16	22'44'66'-HxCB	2.83e+06	6.48e+02	4.4e+03	2.22e+06	7.48e+02	3.0e+03
17	23'44'55'-HxCB	1.63e+06	4.04e+03	4.0e+02	1.32e+06	2.85e+03	4.6e+02
[illegible]	233'44'5-HxCB	2.13e+06	4.04e+03	5.3e+02	1.78e+06	2.85e+03	6.2e+02
[illegible]	33'44'55'-HxCB	1.25e+06	4.04e+03	3.1e+02	1.04e+06	2.85e+03	3.6e+02
[illegible]	22'34'566'-HpCB	2.12e+06	7.36e+02	2.9e+03	2.11e+06	6.52e+02	3.2e+03
21	233'44'55'-HpCB	1.21e+06	7.72e+02	1.6e+03	1.19e+06	8.44e+02	1.4e+03
22	22'33'55'66'-OcCB	1.85e+06	6.60e+02	2.8e+03	2.11e+06	8.68e+02	2.4e+03
23	233'44'55'6-OcCB	1.25e+06	6.60e+02	1.9e+03	1.39e+06	8.68e+02	1.6e+03
[illegible]	22'33'4'55'66'-NoCB	1.18e+06	9.04e+02	1.3e+03	1.55e+06	7.76e+02	2.0e+03
25	22'33'44'55'6-NoCB	8.38e+05	9.84e+02	8.5e+02	1.06e+06	1.49e+03	7.1e+02
26	DeCB	1.57e+06	7.48e+02	2.1e+03	1.34e+06	7.52e+02	1.8e+03
27	13C-2-MoCB	1.81e+06	1.28e+03	1.4e+03	5.65e+05	5.28e+04	1.1e+01
28	13C-4-MoCB	1.16e+06	1.28e+03	9.1e+02	3.92e+05	5.28e+04	7.4e+00
29	13C-22'-DiCB	8.16e+05	5.40e+03	1.5e+02	5.37e+05	2.13e+03	2.5e+02
30	13C-44'-DiCB	6.65e+05	9.05e+03	7.4e+01	4.33e+05	2.80e+03	1.5e+02
31	13C-22'6'-TrCB	5.79e+05	1.50e+04	3.9e+01	5.43e+05	8.90e+03	6.1e+01
32	13C-344'-TrCB	4.25e+05	1.51e+04	2.8e+01	3.96e+05	1.12e+04	3.6e+01
33	13C-22'66'-TeCB	6.09e+05	1.61e+03	3.8e+02	7.33e+05	1.36e+03	5.4e+02
34	13C-344'5-TeCB	3.56e+05	2.03e+03	1.8e+02	4.30e+05	8.88e+02	4.8e+02
[illegible]	13C-33'44'-TeCB	3.29e+05	2.03e+03	1.6e+02	4.22e+05	8.88e+02	4.7e+02
[illegible]	13C-22'466'-PeCB	7.45e+05	9.64e+02	7.7e+02	4.67e+05	7.80e+02	6.0e+02
[illegible]	13C-2'344'5-PeCB	4.85e+05	4.77e+03	1.0e+02	2.99e+05	6.38e+03	4.7e+01
[illegible]	13C-23'44'5-PeCB	4.95e+05	4.77e+03	1.0e+02	3.20e+05	6.38e+03	5.0e+01
39	13C-2344'5-PeCB	5.29e+05	4.77e+03	1.1e+02	3.32e+05	6.38e+03	5.2e+01
40	13C-233'44'-PeCB	4.50e+05	4.77e+03	9.4e+01	2.88e+05	6.38e+03	4.5e+01
41	13C-33'44'5-PeCB	3.93e+05	4.77e+03	8.2e+01	2.63e+05	6.38e+03	4.1e+01
[illegible]	13C-22'44'66'-HxCB	7.22e+05	9.12e+02	7.9e+02	5.57e+05	9.04e+02	6.2e+02
43	13C-23'44'55'-HxCB	4.22e+05	6.88e+02	6.1e+02	3.38e+05	1.04e+03	3.2e+02
44	13C-233'44'5'-HxCB	5.45e+05	6.88e+02	7.9e+02	4.25e+05	1.04e+03	4.1e+02
45	13C-33'44'55'-HxCB	3.50e+05	6.88e+02	5.1e+02	2.71e+05	1.04e+03	2.6e+02
46	13C-22'34'566'-HpCB	5.47e+05	9.00e+02	6.1e+02	5.48e+05	7.08e+02	7.7e+02
47	13C-233'44'55'-HpCB	3.72e+05	9.64e+02	3.9e+02	3.74e+05	7.64e+02	4.9e+02
48	13C-22'33'55'66'-OcCB	5.35e+05	5.88e+02	9.1e+02	6.14e+05	9.60e+02	6.4e+02
49	13C-233'44'55'6-OcCB	3.70e+05	5.88e+02	6.3e+02	4.01e+05	9.60e+02	4.2e+02
50	13C-22'33'4'55'66'-NoCB	3.47e+05	8.00e+02	4.3e+02	4.32e+05	6.32e+02	6.8e+02
51	13C-22'33'44'55'6-NoCB	2.28e+05	9.92e+02	2.3e+02	2.79e+05	8.76e+02	3.2e+02
52	13C-DeCB	4.65e+05	7.80e+02	6.0e+02	4.07e+05	1.00e+03	4.1e+02

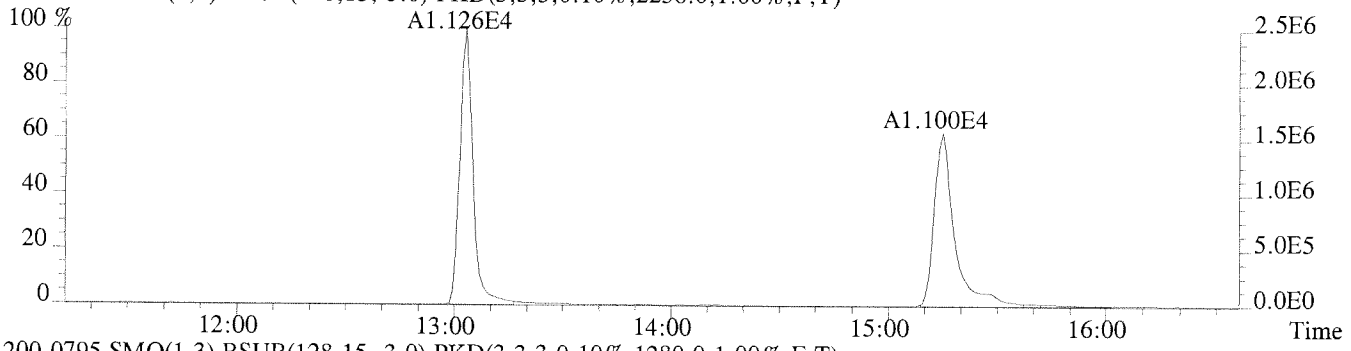
13C-244'-TrCB	6.26e+05	1.51e+04	4.1e+01	6.02e+05	1.12e+04	5.4e+01
13C-233'55'-PeCB	6.10e+05	1.17e+03	5.2e+02	4.05e+05	1.39e+03	2.9e+02
13C-22'33'55'6-HpCB	3.65e+05	9.00e+02	4.1e+02	3.61e+05	7.08e+02	5.1e+02
13C-2,5-DiCB	9.41e+05	9.05e+03	1.0e+02	6.22e+05	2.80e+03	2.2e+02
13C-22'55'-TeCB	4.43e+05	2.02e+03	2.2e+02	5.57e+05	1.04e+03	5.4e+02
13C-22'4'55'-PeCB	5.03e+05	1.17e+03	4.3e+02	3.30e+05	1.39e+03	2.4e+02
13C-22'3'44'5'-HxCB	3.95e+05	7.68e+02	5.1e+02	2.98e+05	9.04e+02	3.3e+02
13C-22'33'44'55'-OcCB	2.84e+05	5.88e+02	4.8e+02	3.15e+05	9.60e+02	3.3e+02

File:U139144 #1-347 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

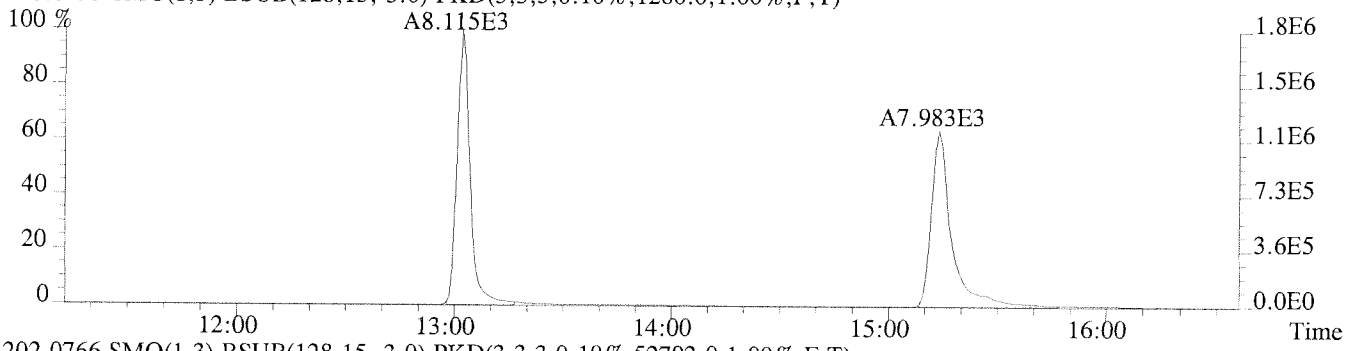
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1540.0,1.00%,F,T)



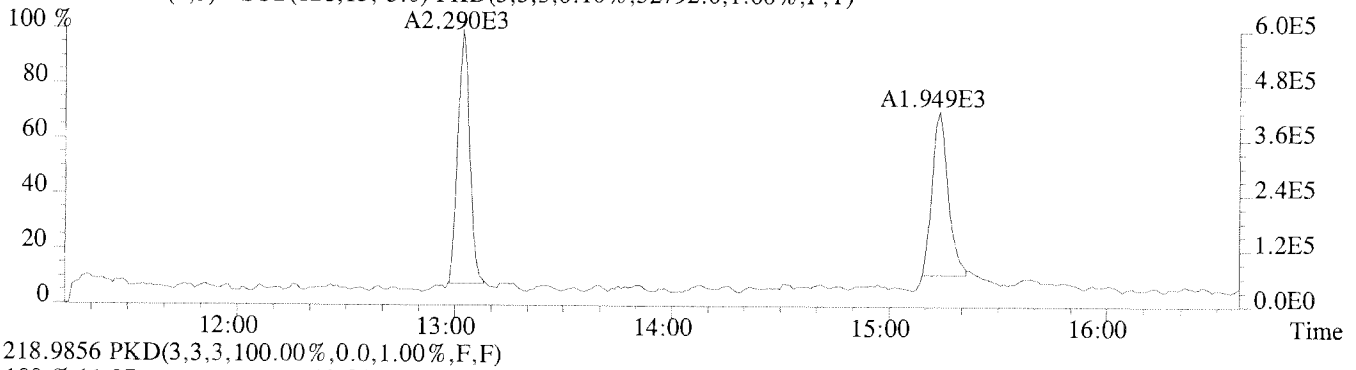
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2256.0,1.00%,F,T)



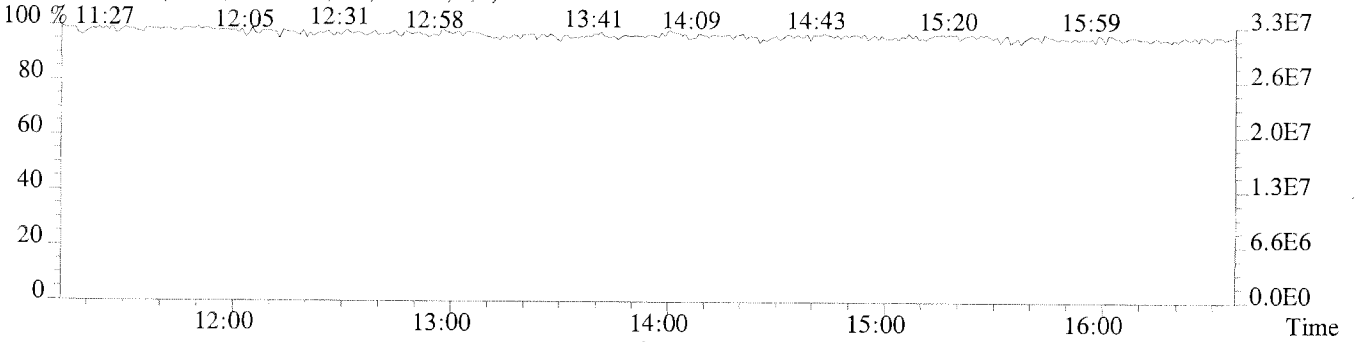
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1280.0,1.00%,F,T)



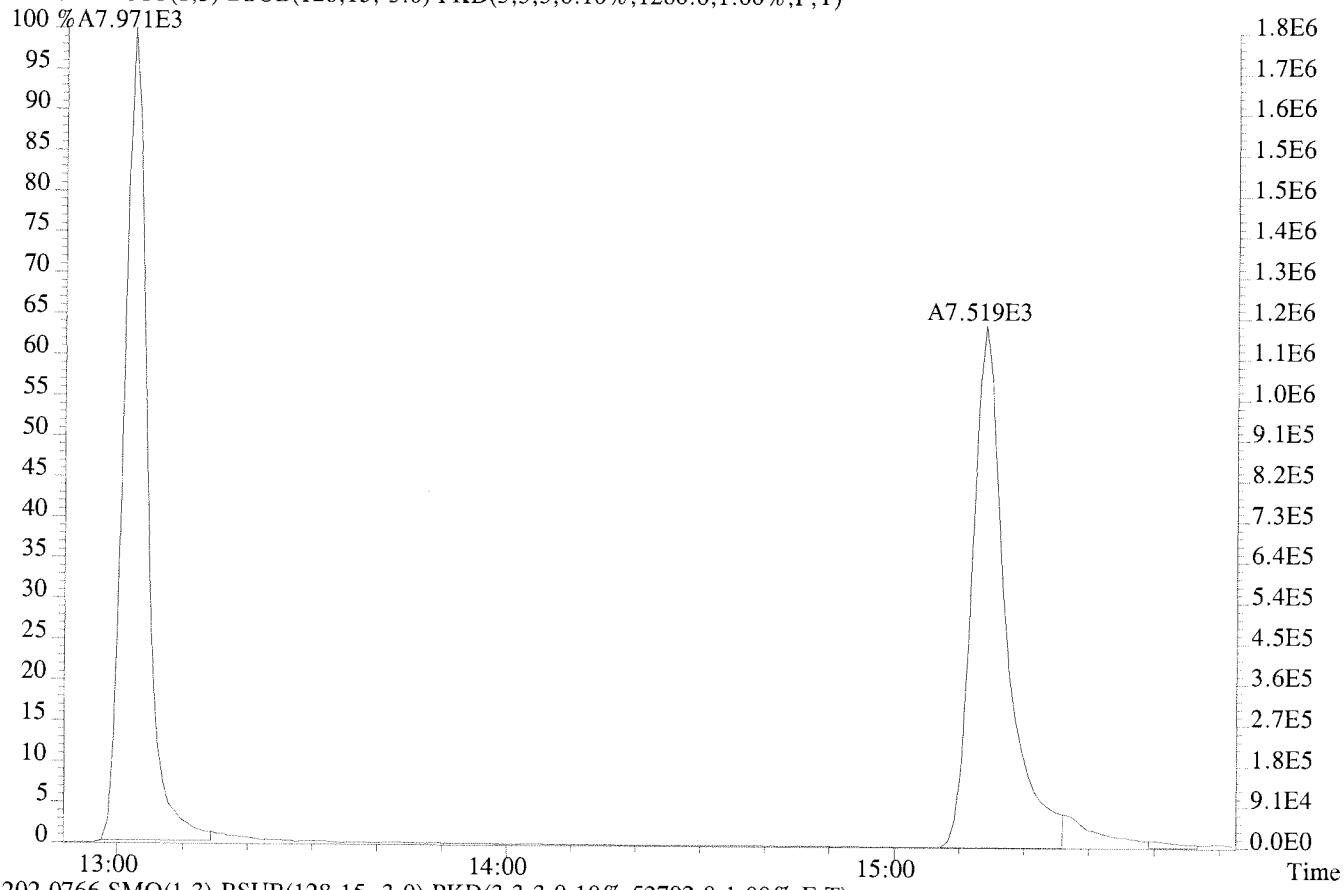
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,52792.0,1.00%,F,T)



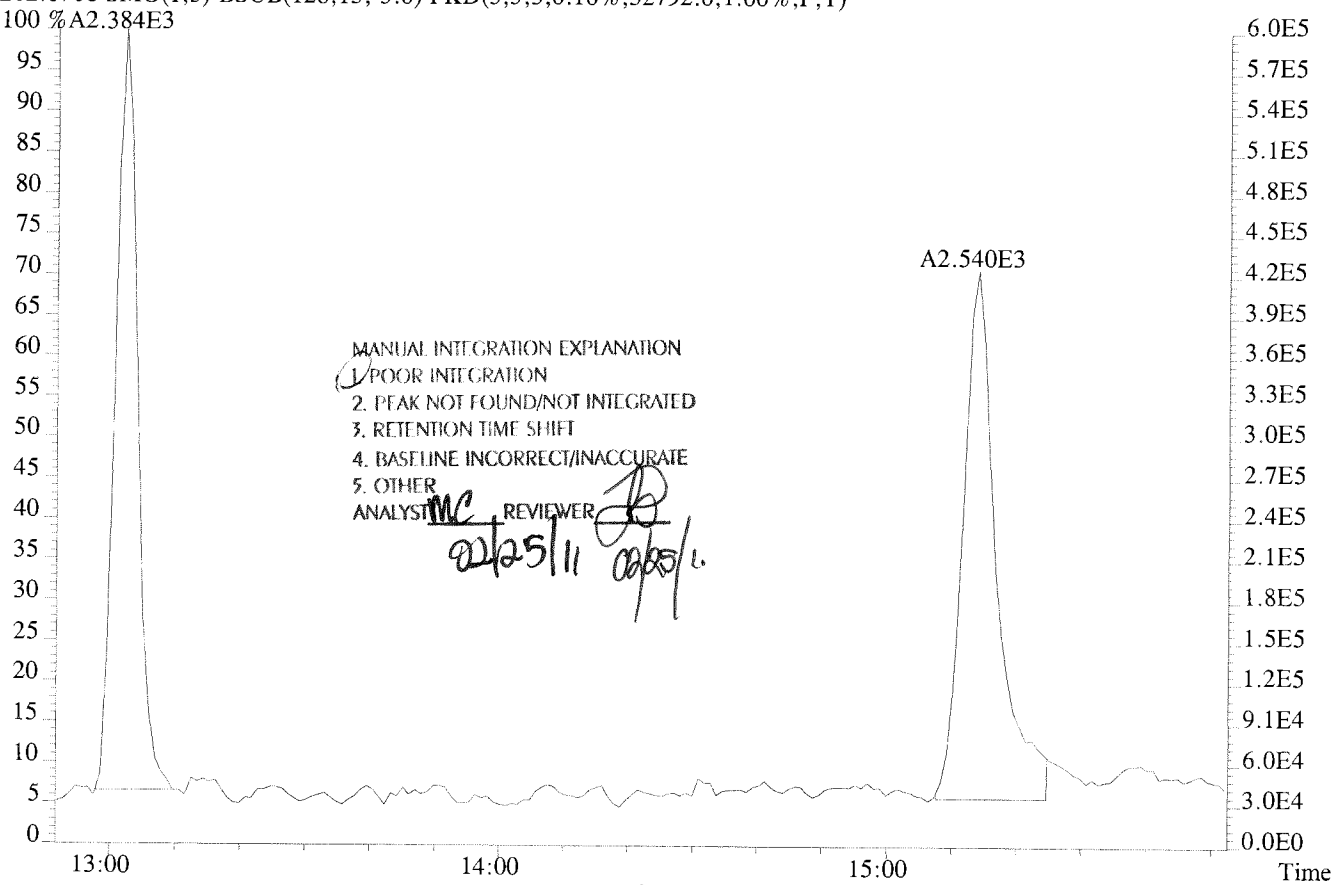
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139144 #1-347 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1280.0,1.00%,F,T)

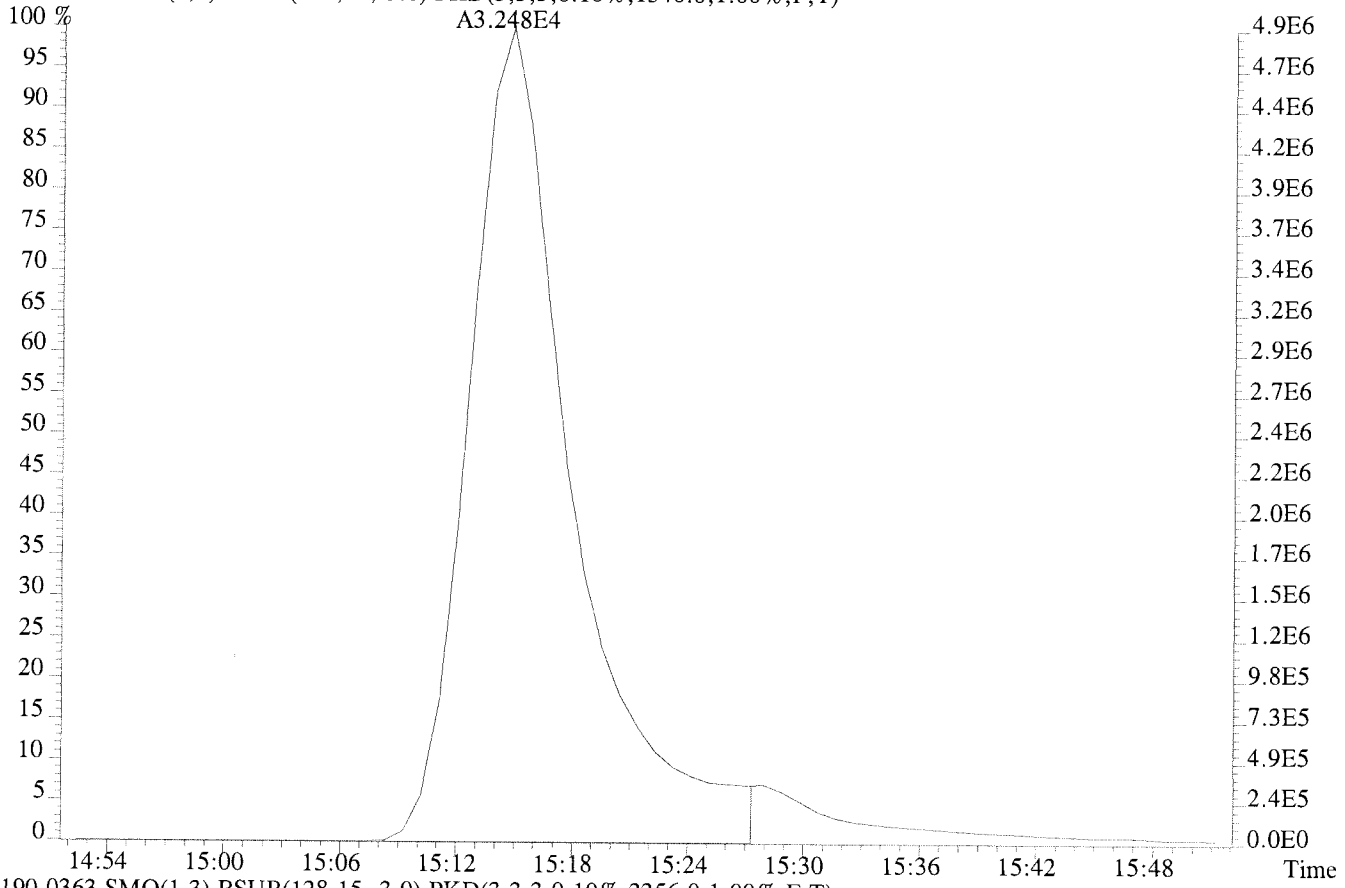


202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,52792.0,1.00%,F,T)

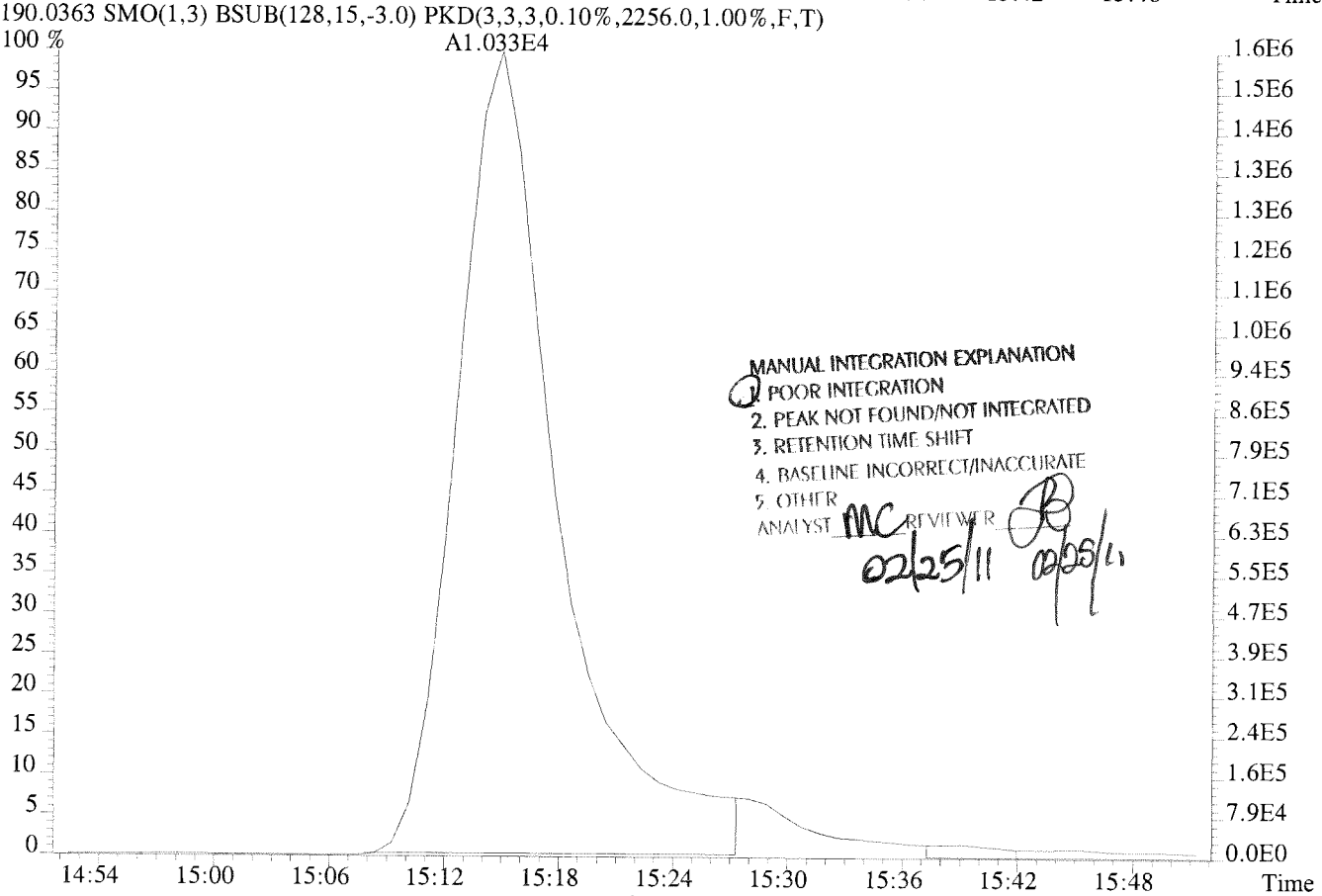


MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/25/11 02/25/11

File:U139144 #1-347 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1540.0,1.00%,F,T)



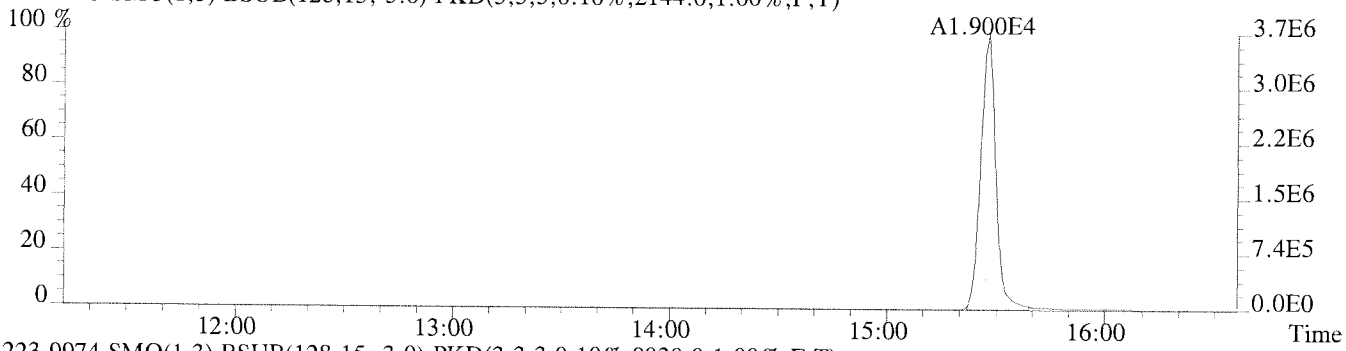
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2256.0,1.00%,F,T)



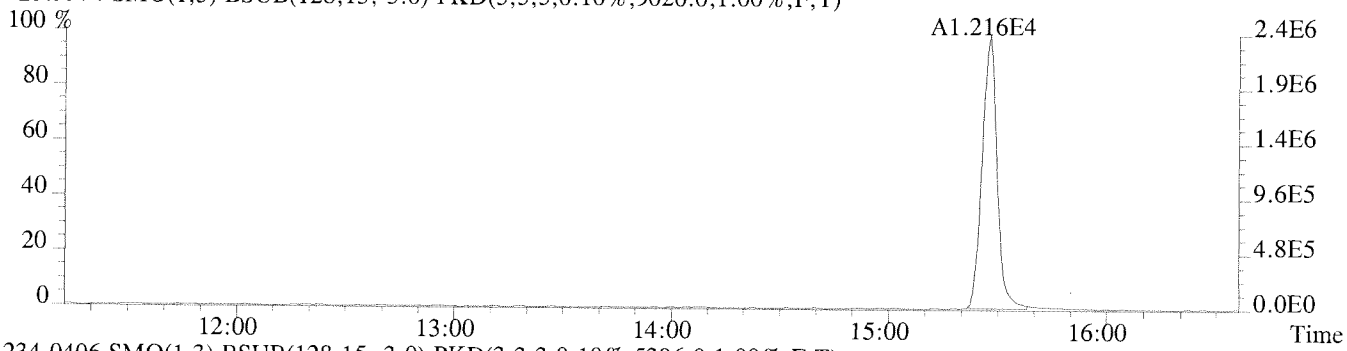
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/25/11 02/25/11

File:U139144 #1-347 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

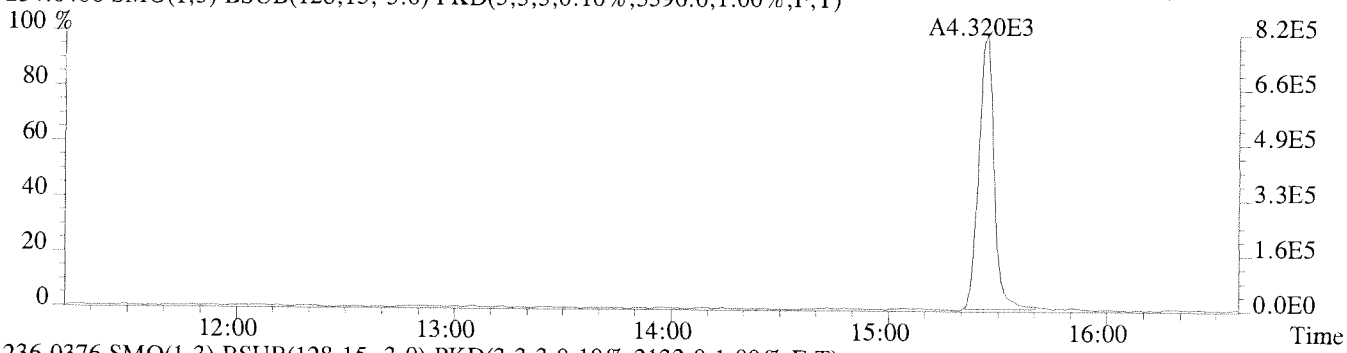
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2144.0,1.00%,F,T)



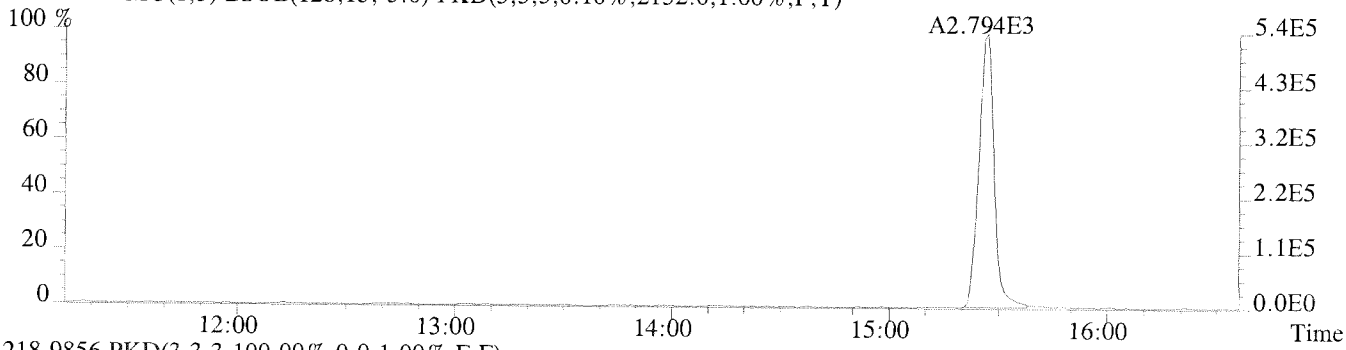
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9020.0,1.00%,F,T)



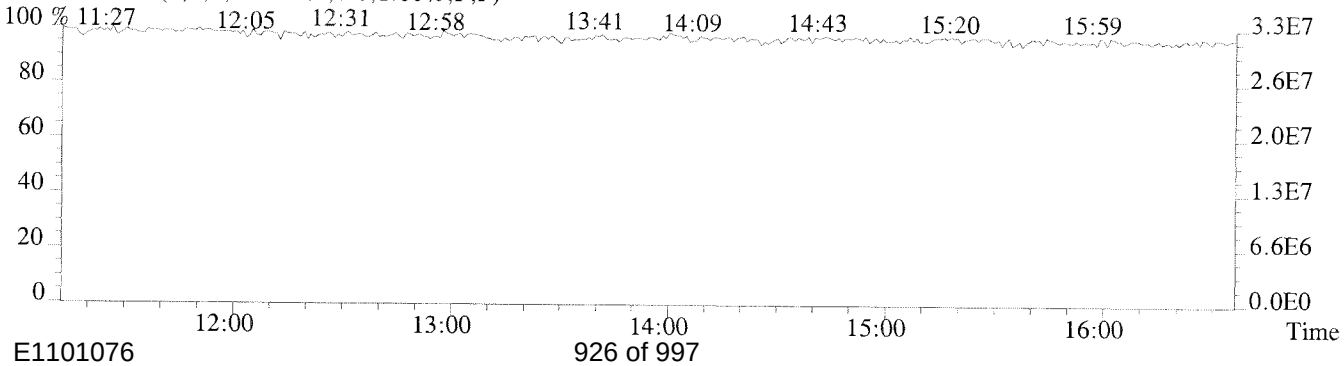
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5396.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2132.0,1.00%,F,T)

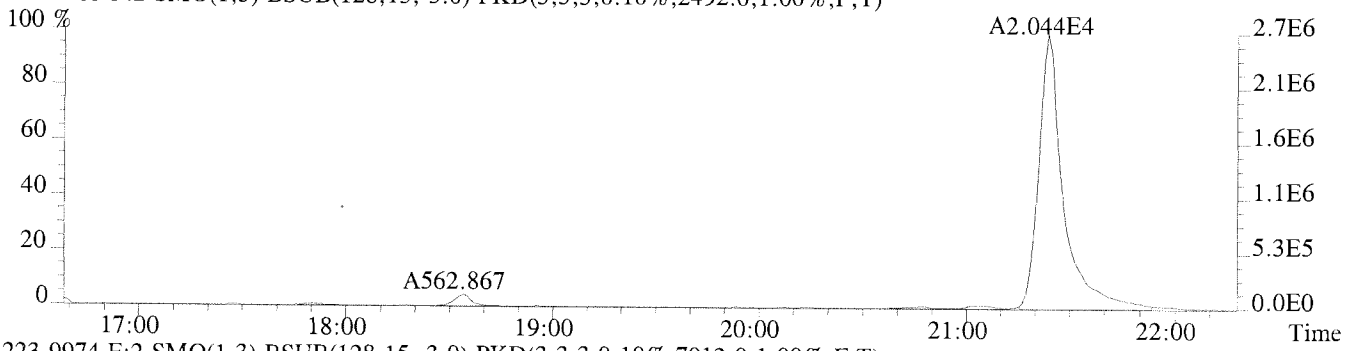


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

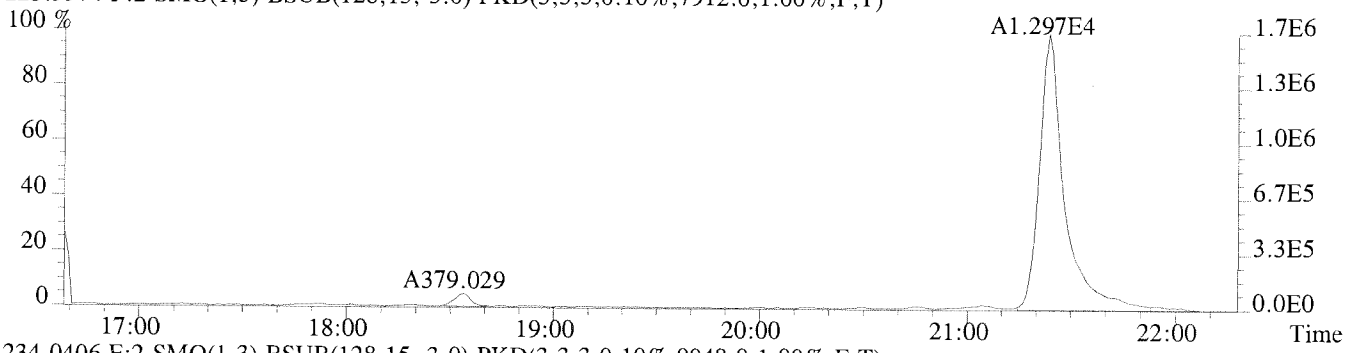


File:U139144 #1-313 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

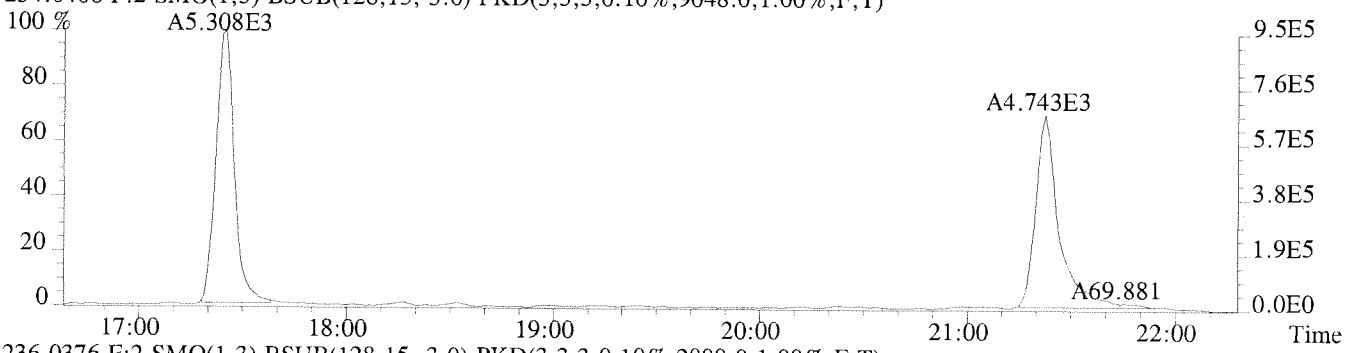
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2492.0,1.00%,F,T)



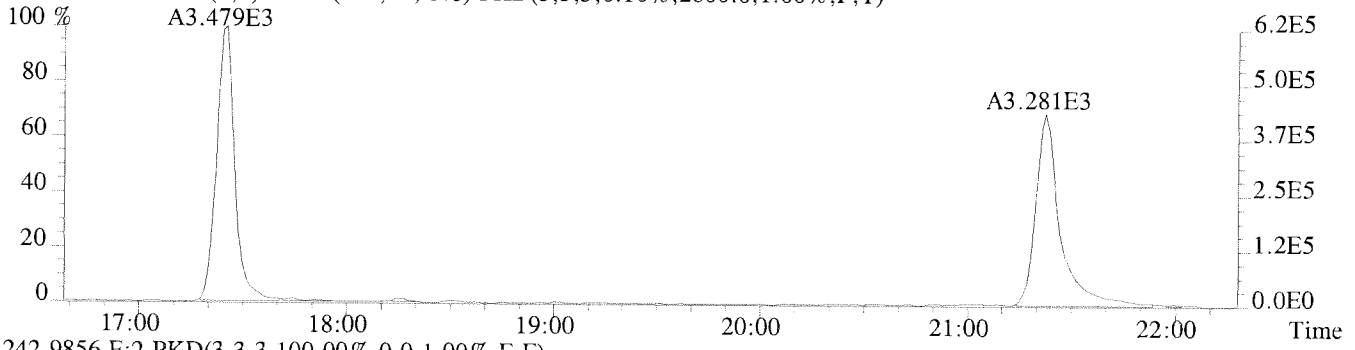
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7912.0,1.00%,F,T)



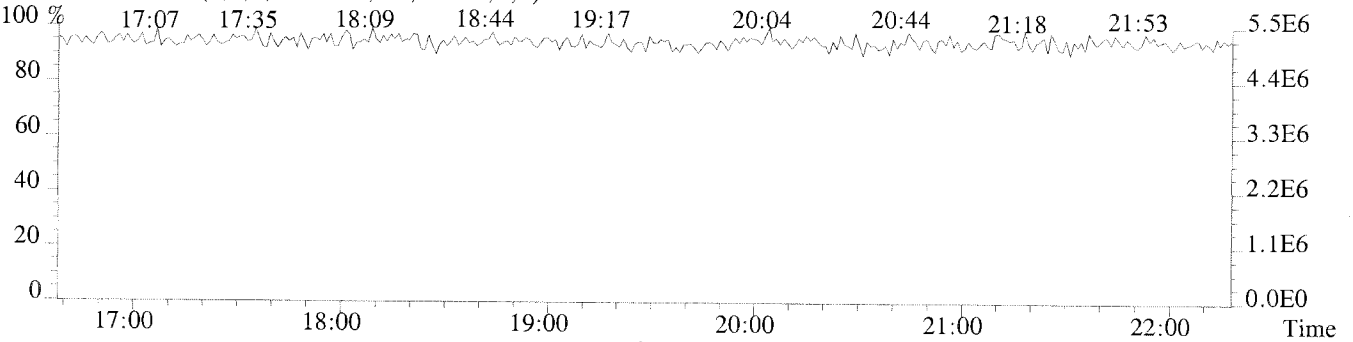
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9048.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2800.0,1.00%,F,T)

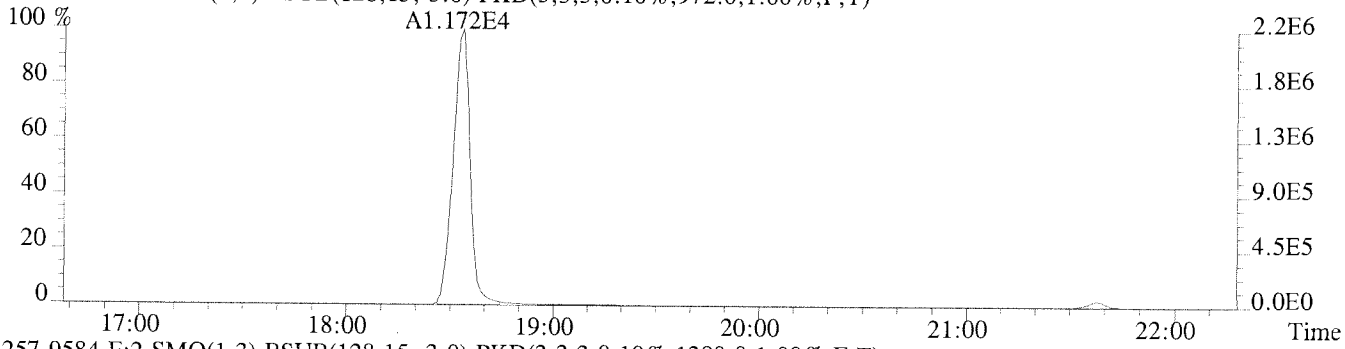


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

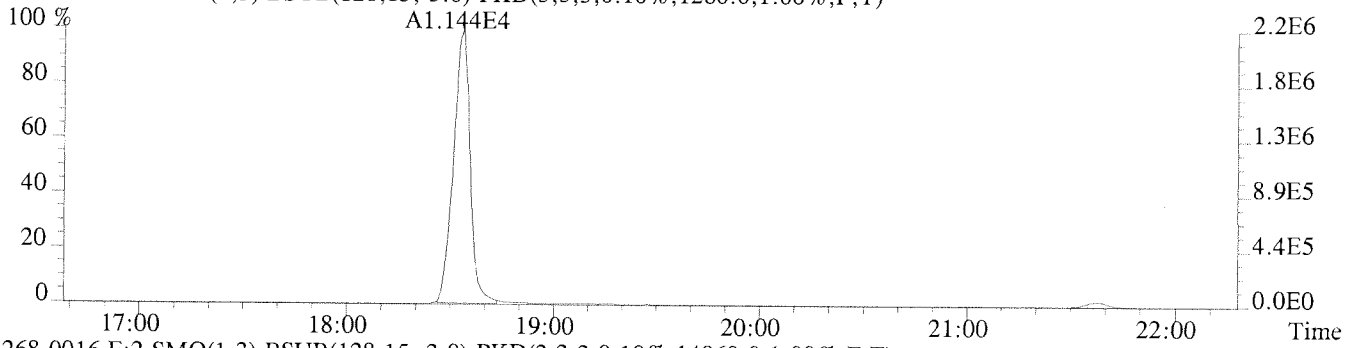


File:U139144 #1-313 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

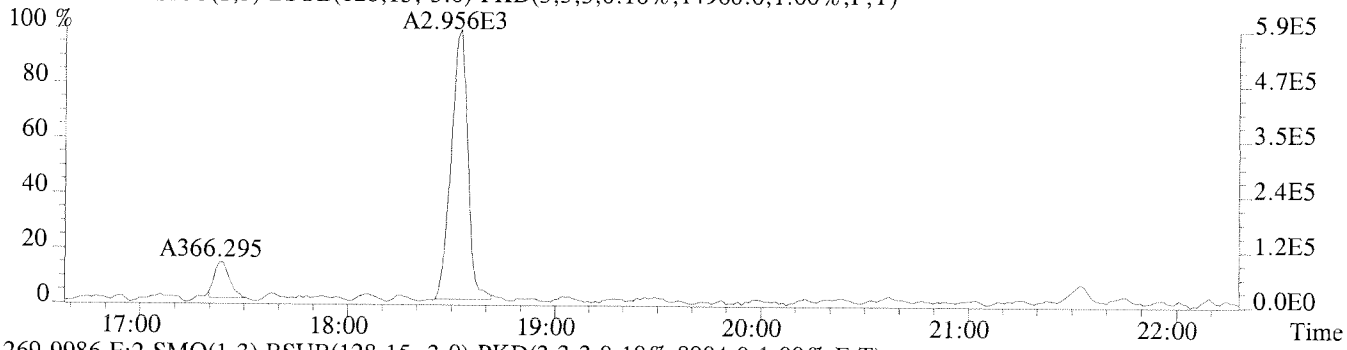
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,972.0,1.00%,F,T)



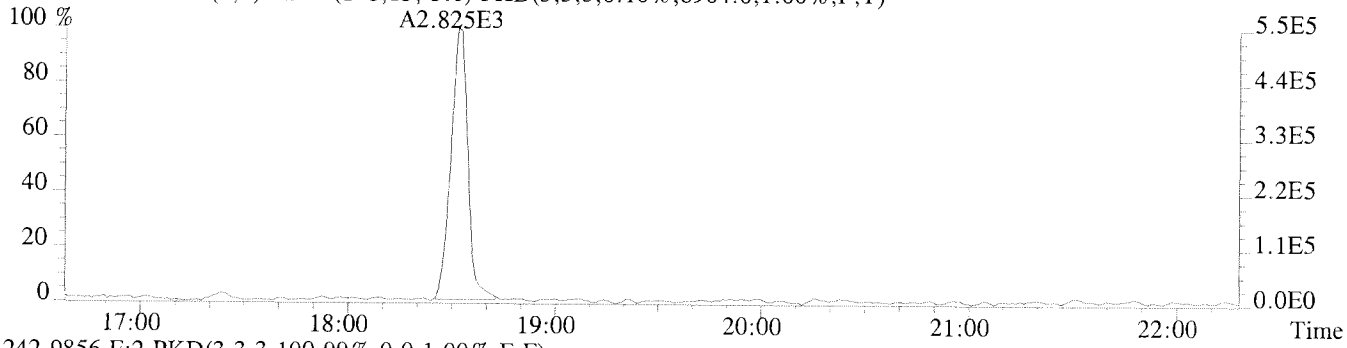
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1280.0,1.00%,F,T)



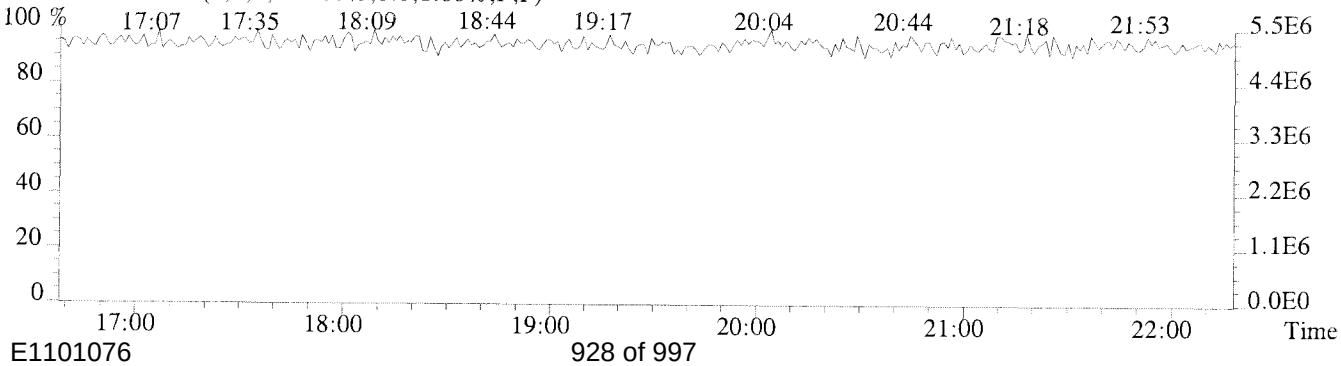
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,14960.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8904.0,1.00%,F,T)

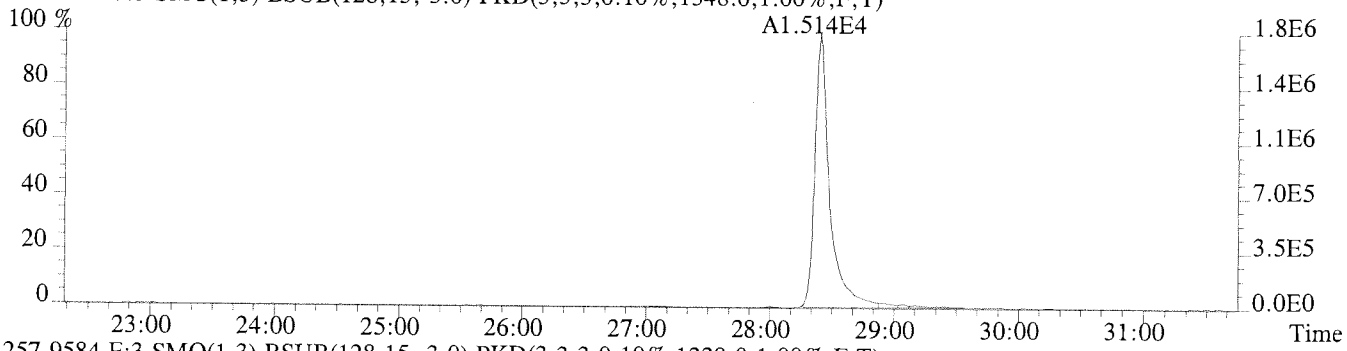


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

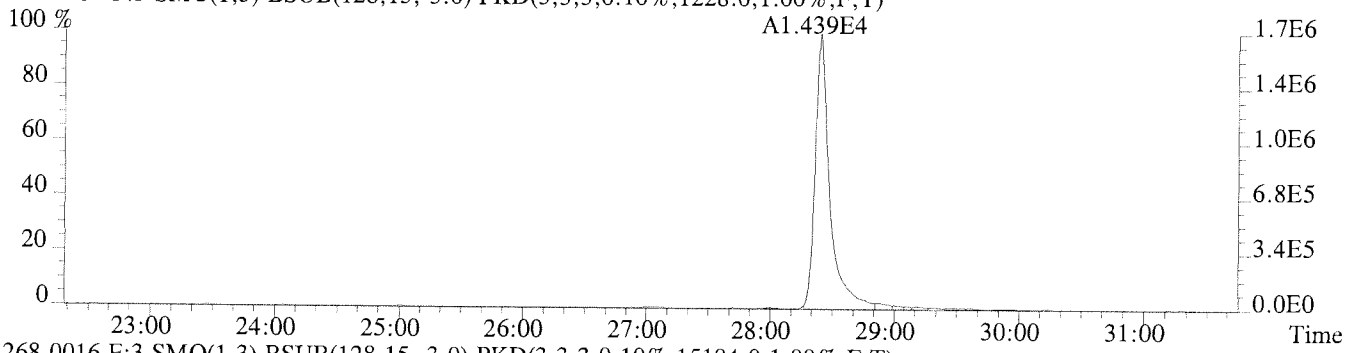


File:U139144 #1-604 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

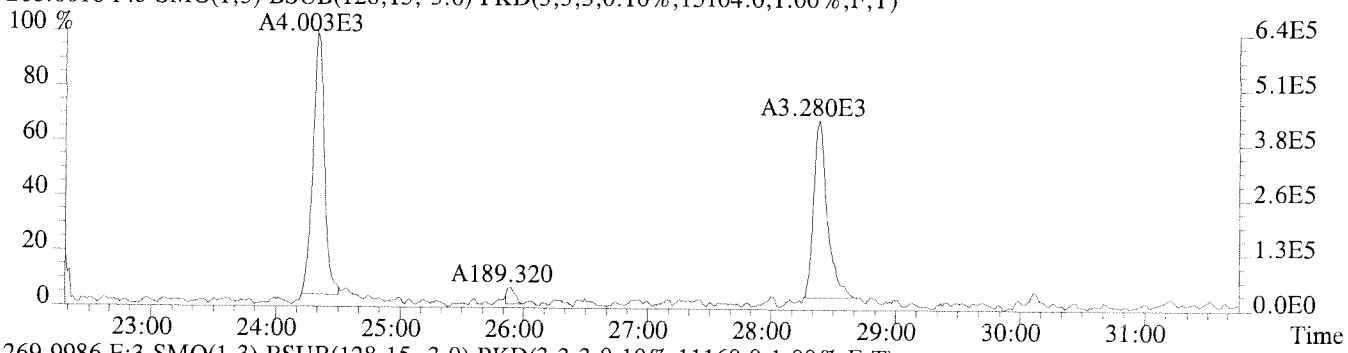
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1348.0,1.00%,F,T)



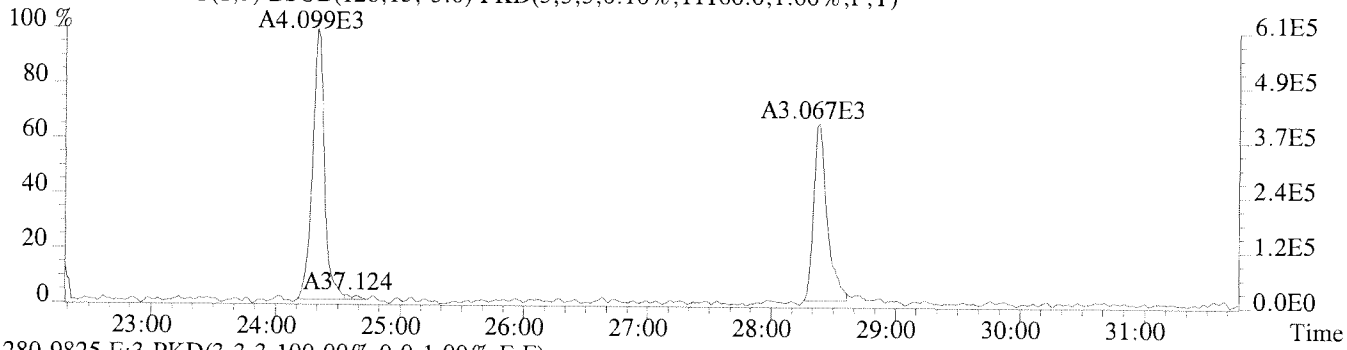
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1228.0,1.00%,F,T)



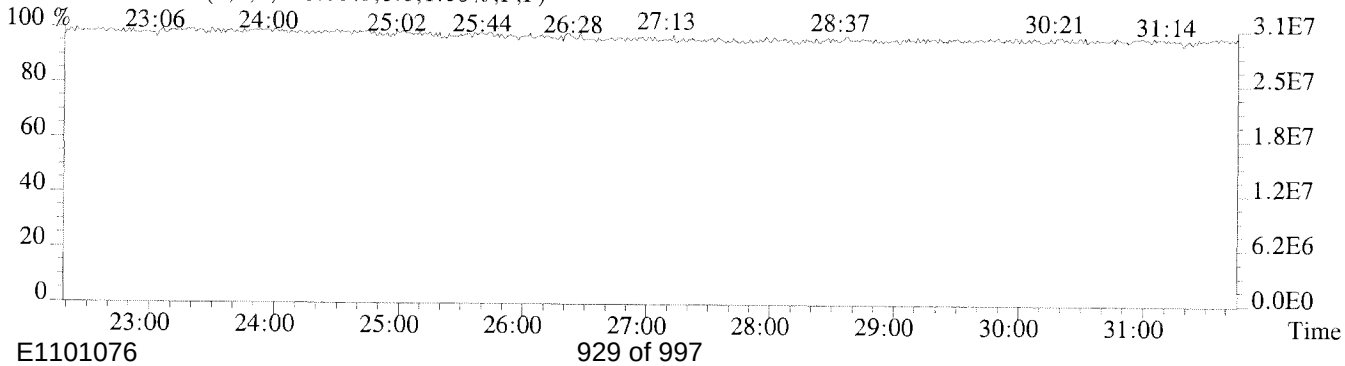
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,15104.0,1.00%,F,T)



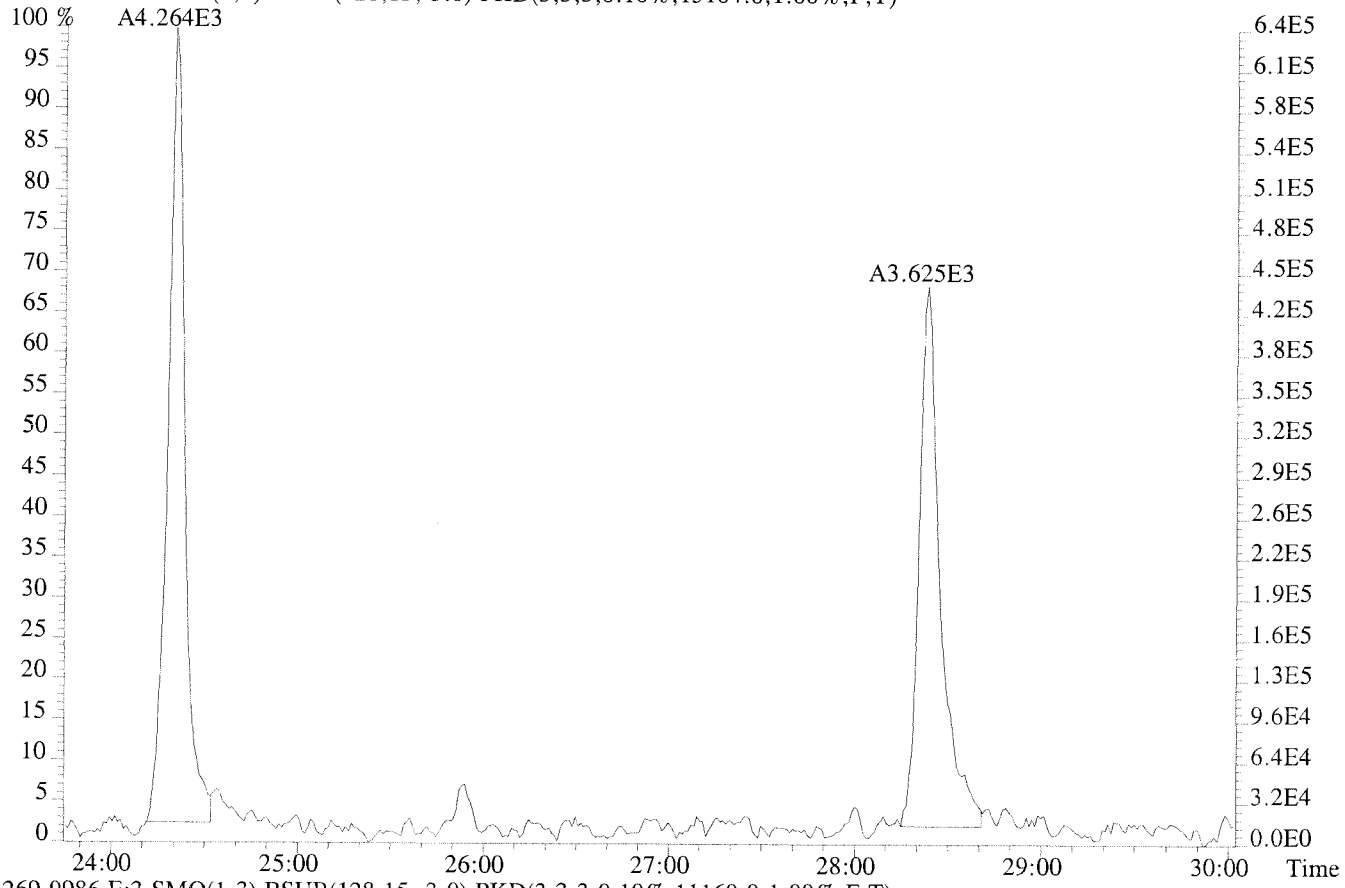
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11160.0,1.00%,F,T)



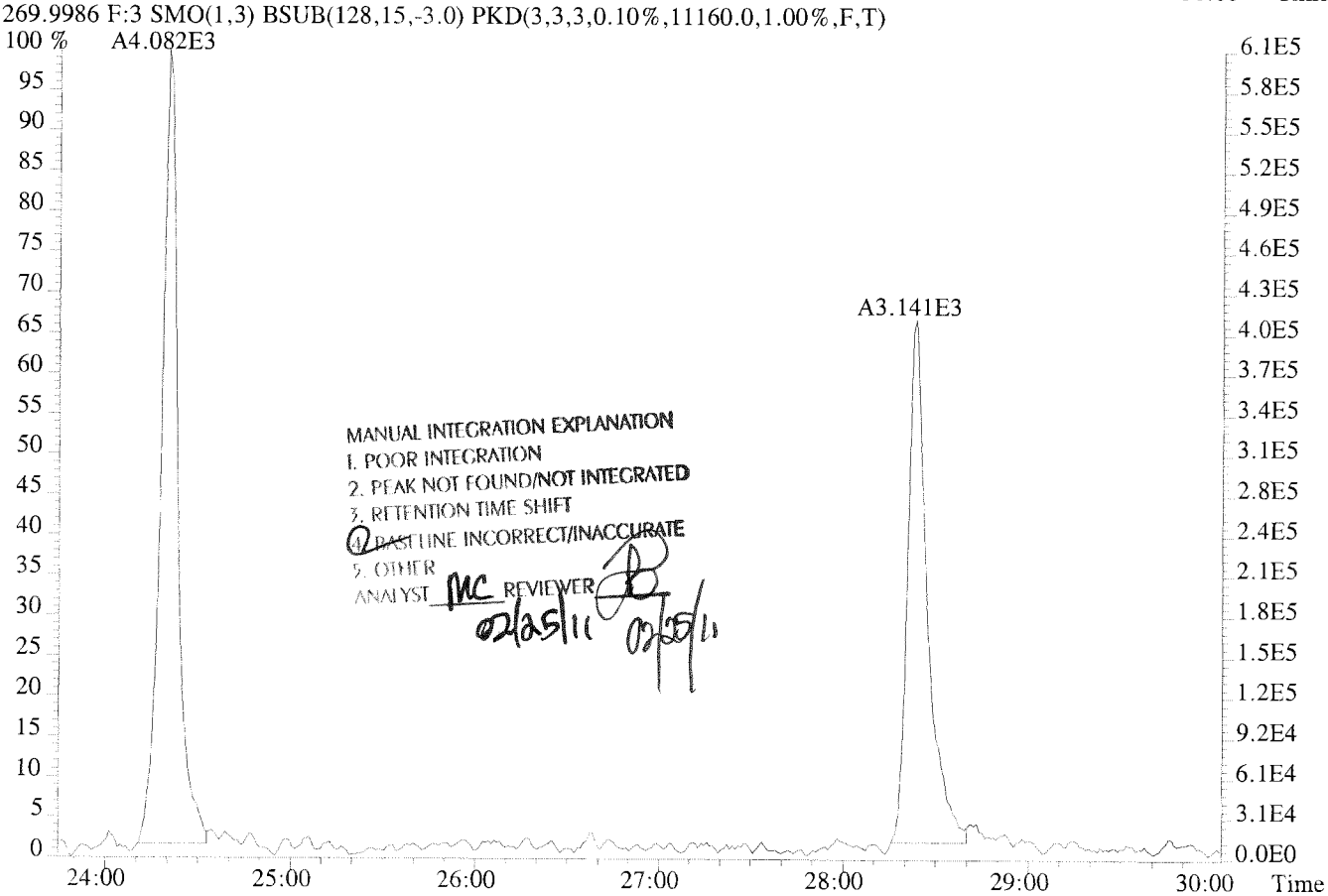
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139144 #1-604 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,15104.0,1.00%,F,T)



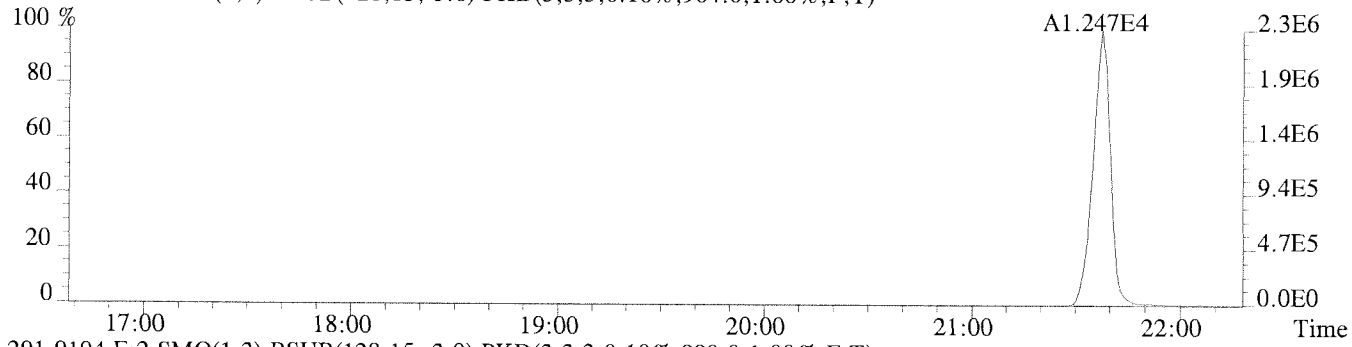
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11160.0,1.00%,F,T)



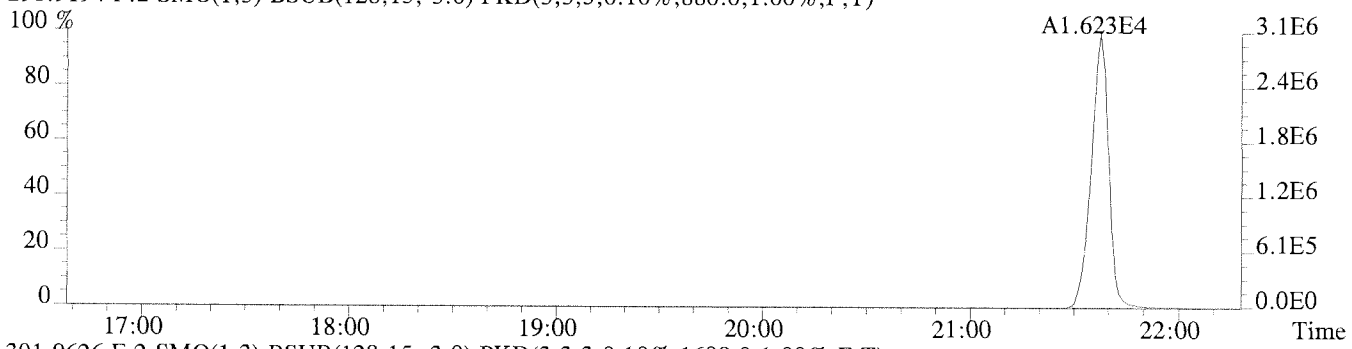
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/25/11 02/25/11

File:U139144 #1-313 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

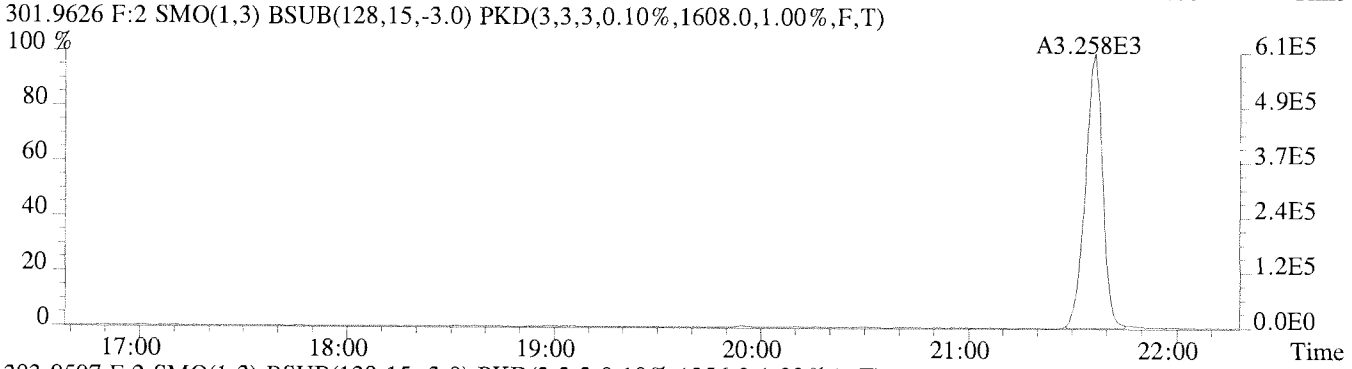
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)



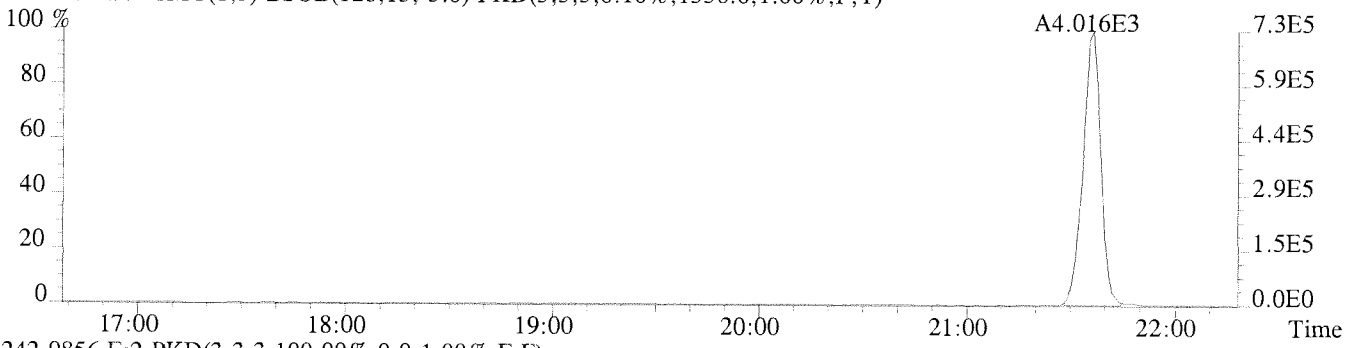
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,880.0,1.00%,F,T)



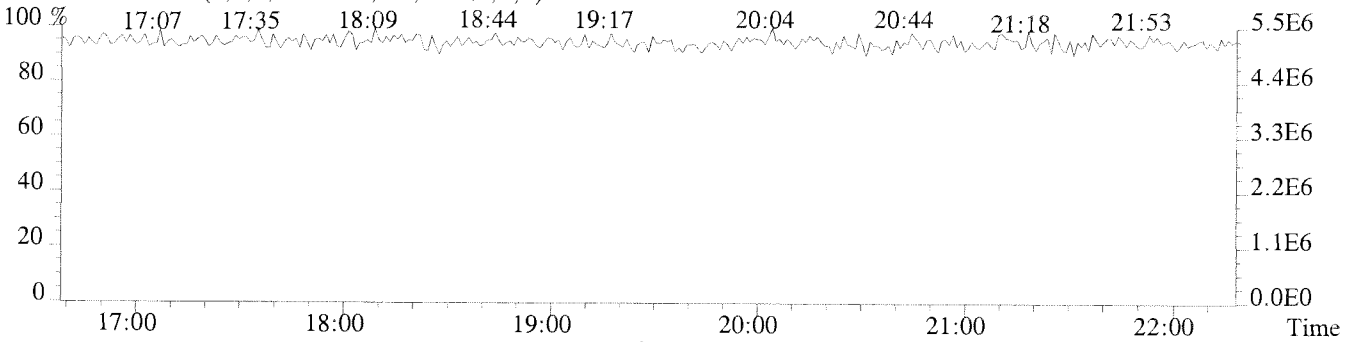
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1608.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1356.0,1.00%,F,T)

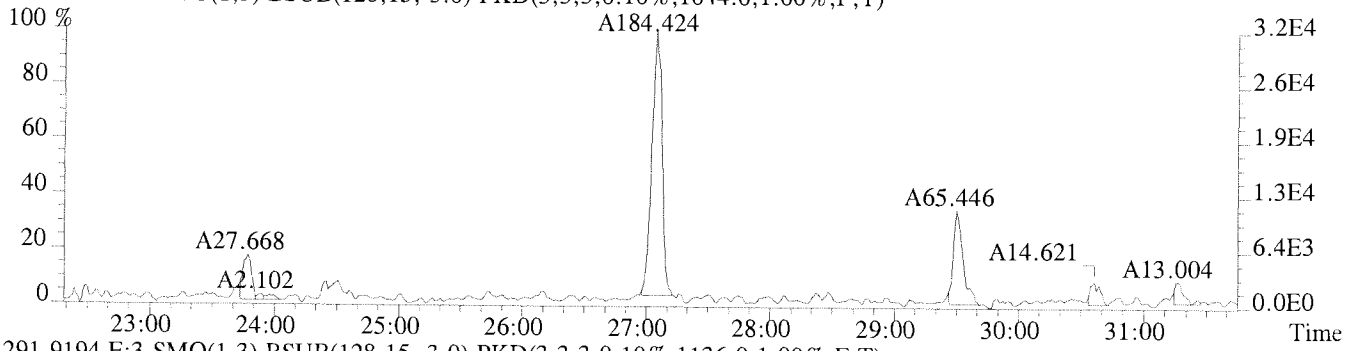


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

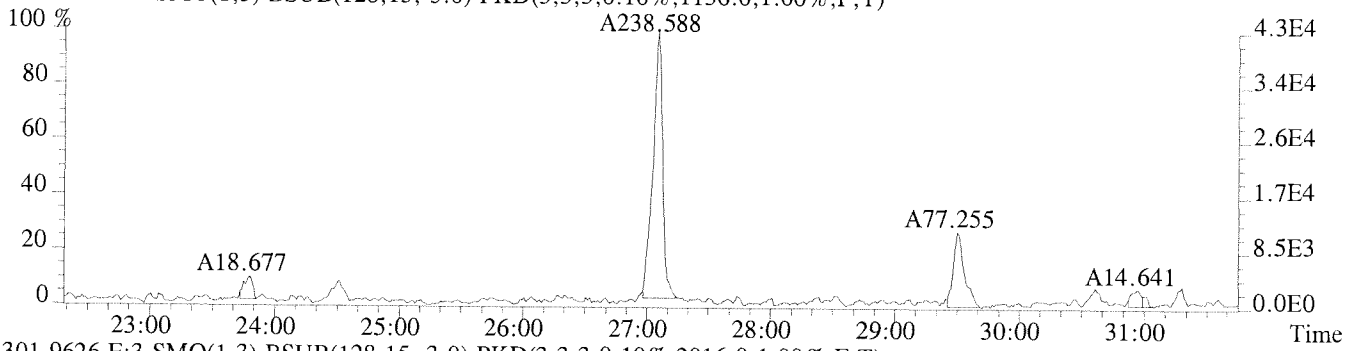


File:U139144 #1-604 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

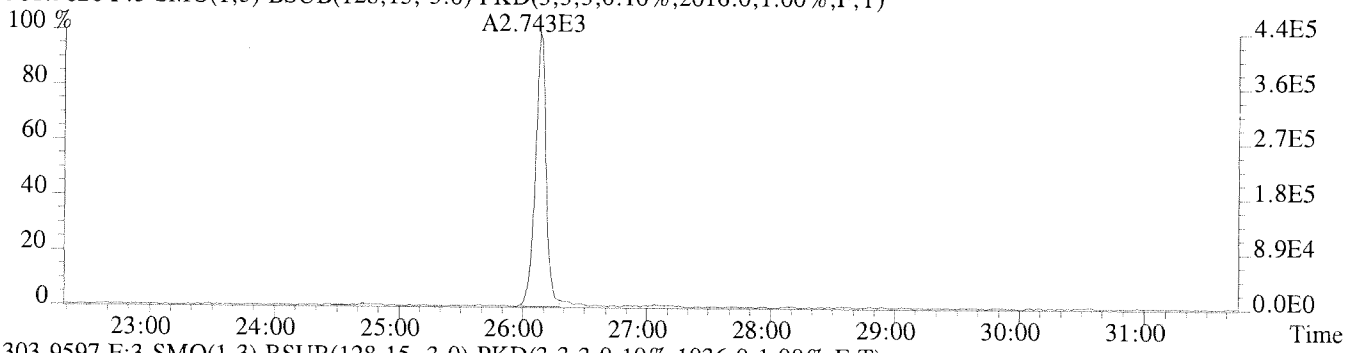
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1044.0,1.00%,F,T)



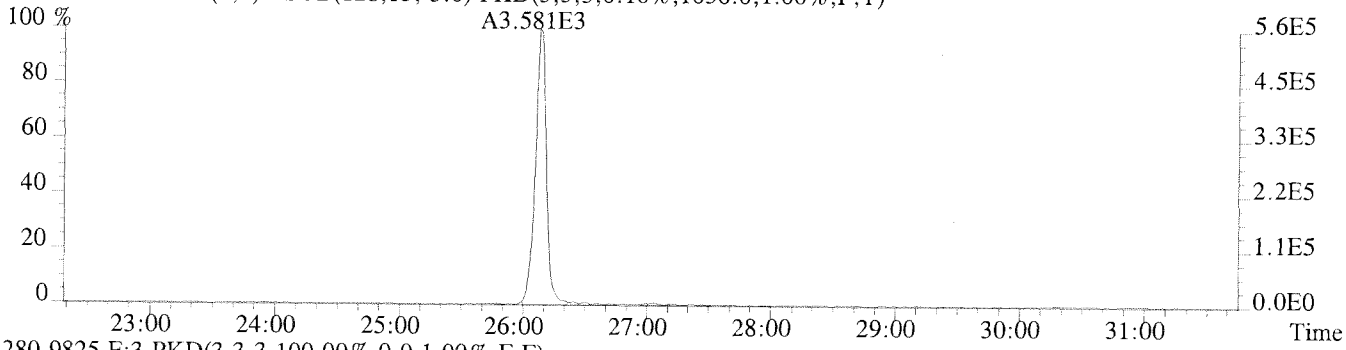
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1136.0,1.00%,F,T)



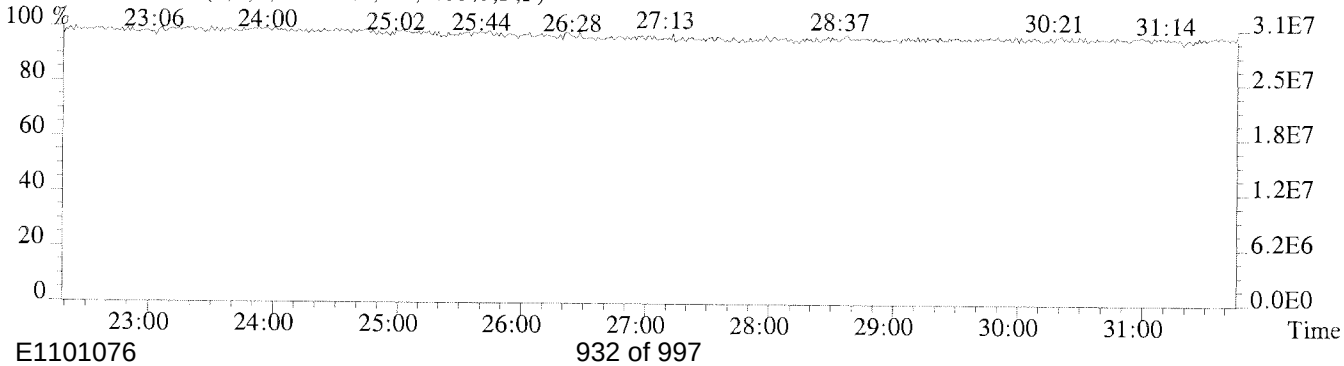
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2016.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1036.0,1.00%,F,T)

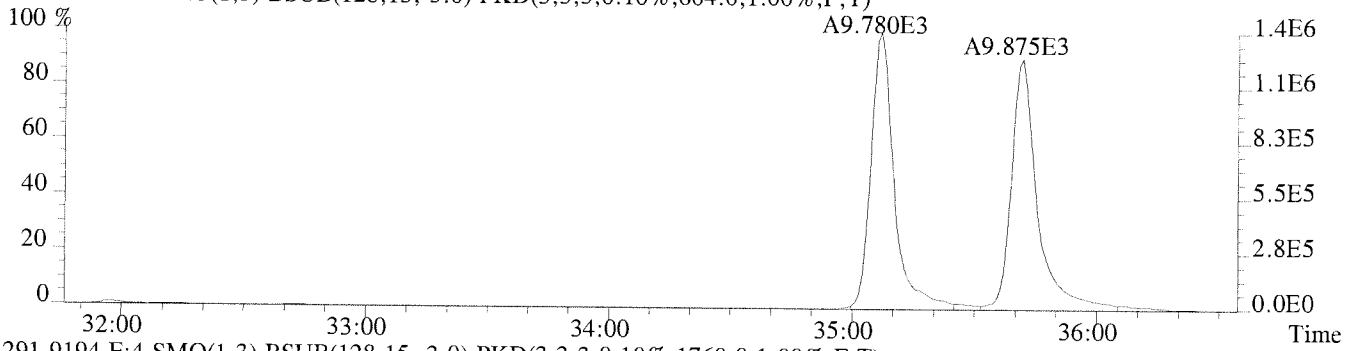


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

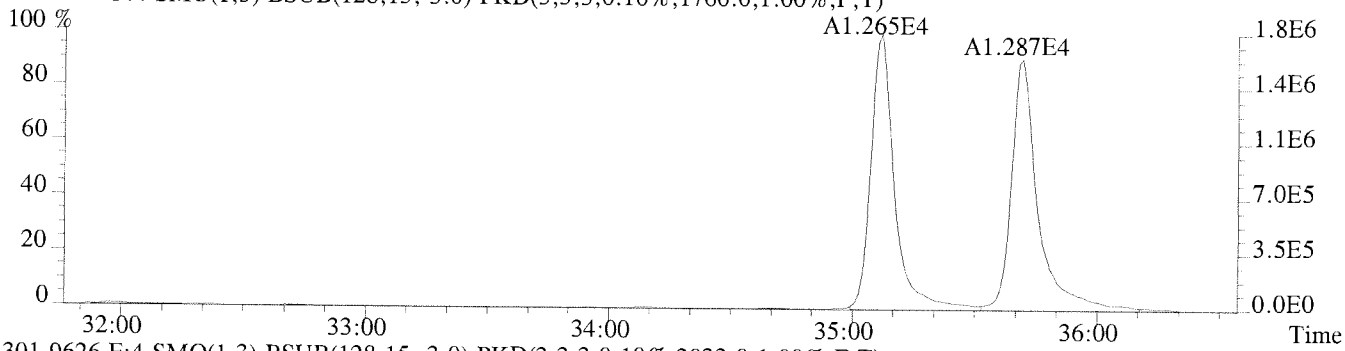


File:U139144 #1-308 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

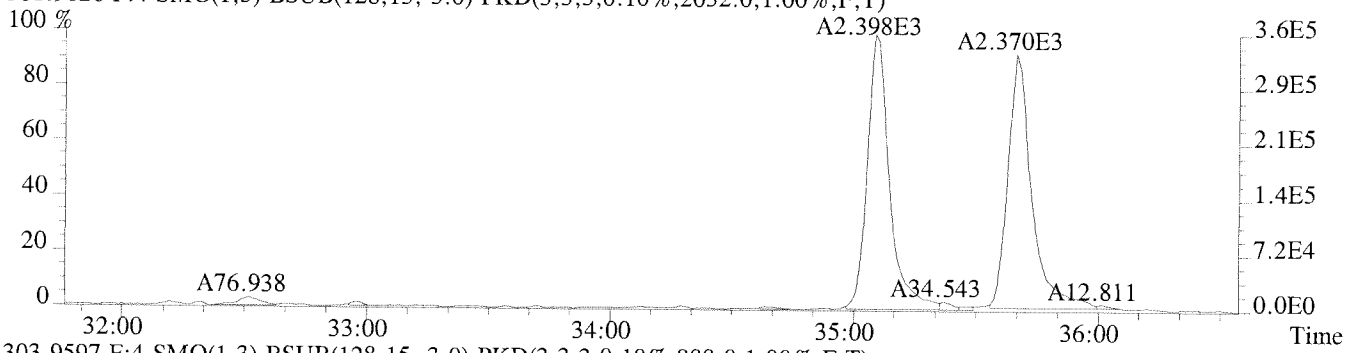
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,604.0,1.00%,F,T)



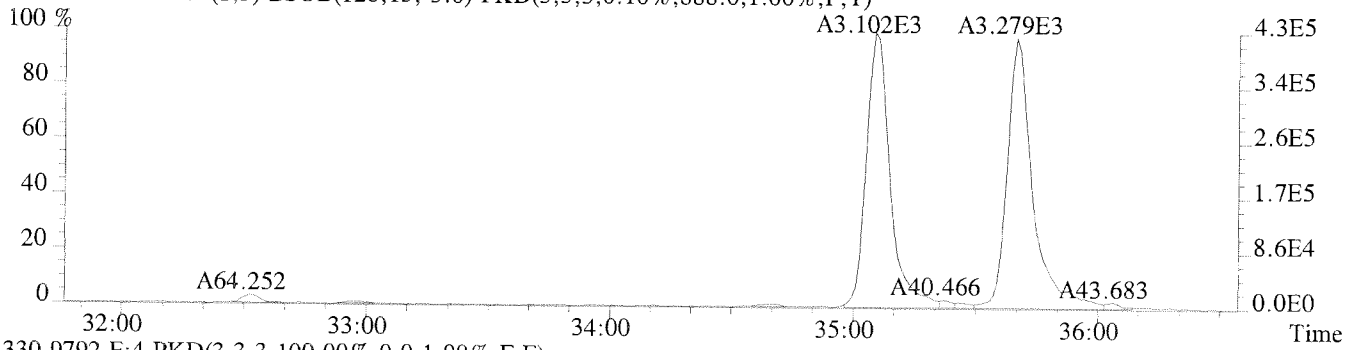
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1760.0,1.00%,F,T)



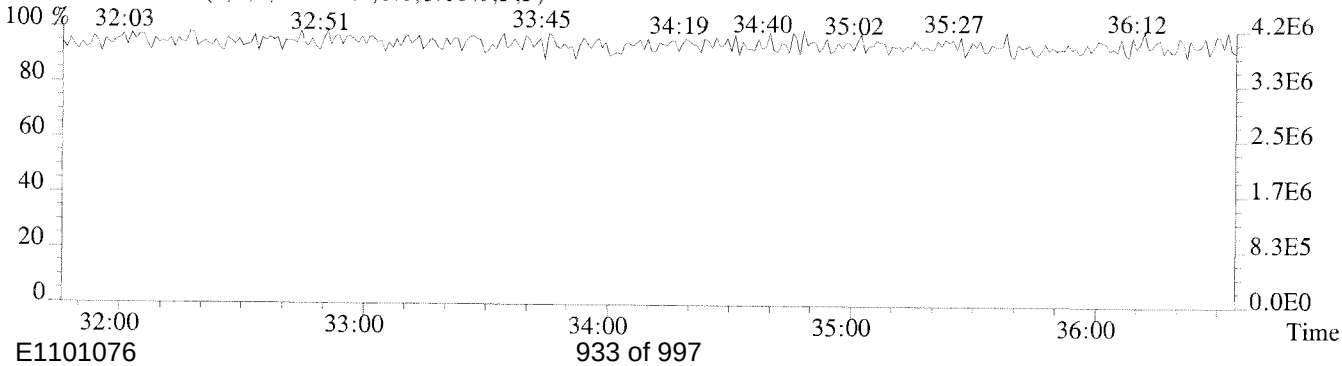
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2032.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,888.0,1.00%,F,T)

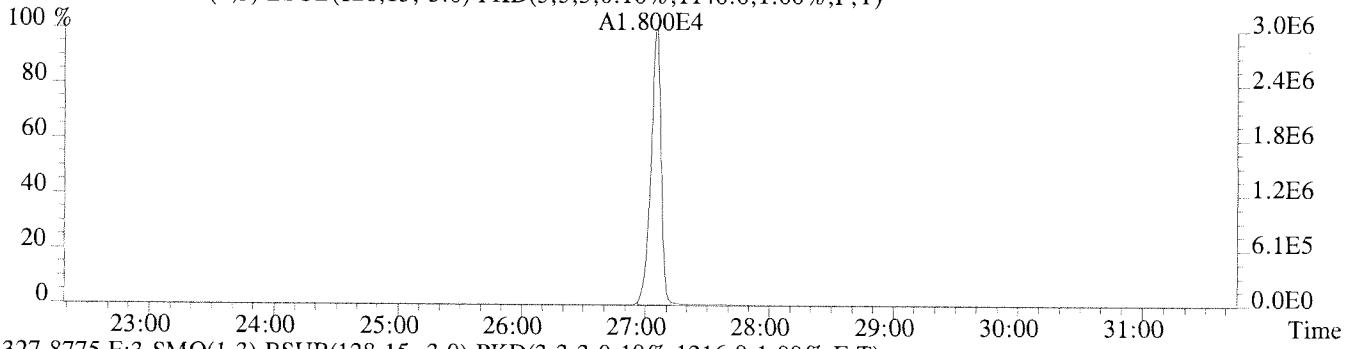


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

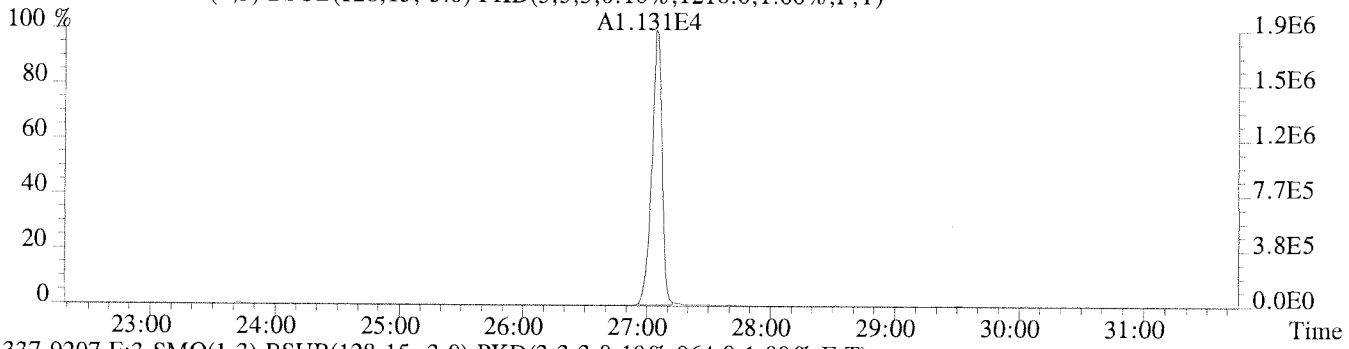


File:U139144 #1-604 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

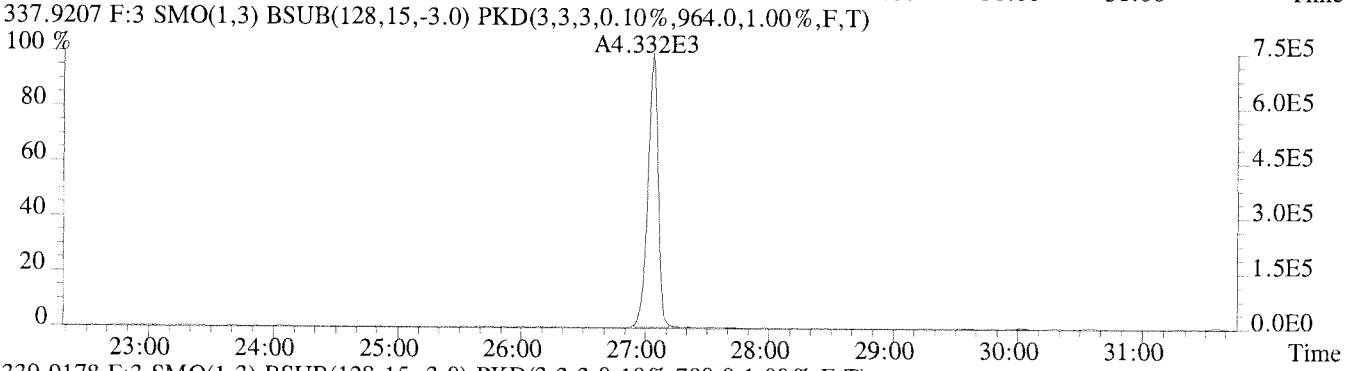
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1140.0,1.00%,F,T)



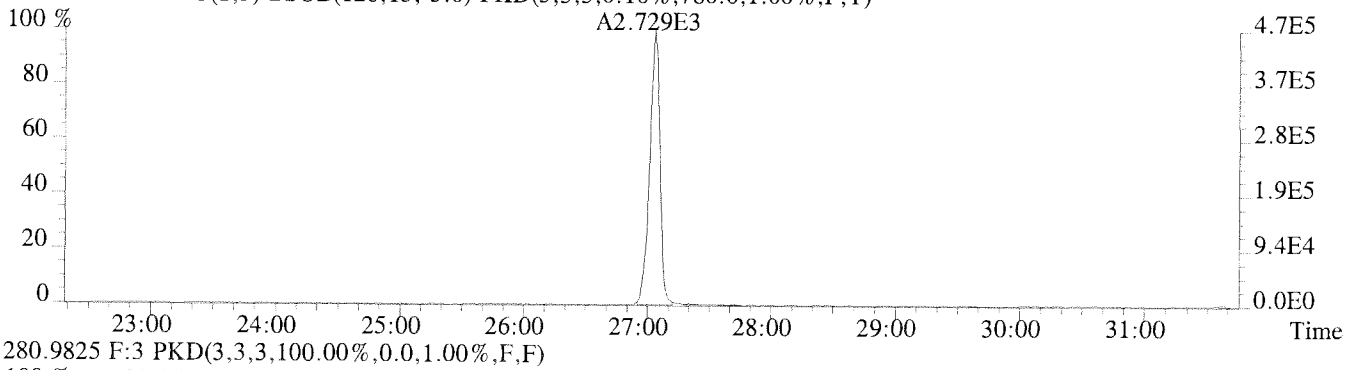
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1216.0,1.00%,F,T)



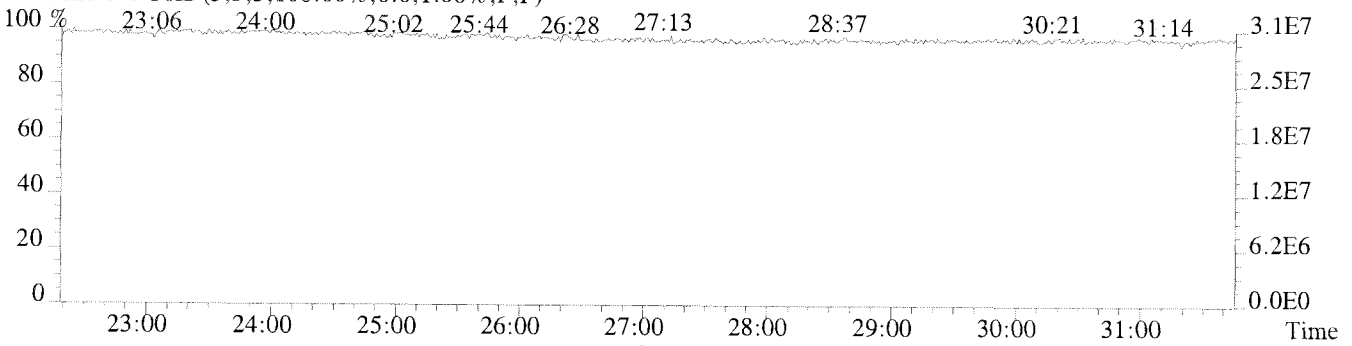
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)

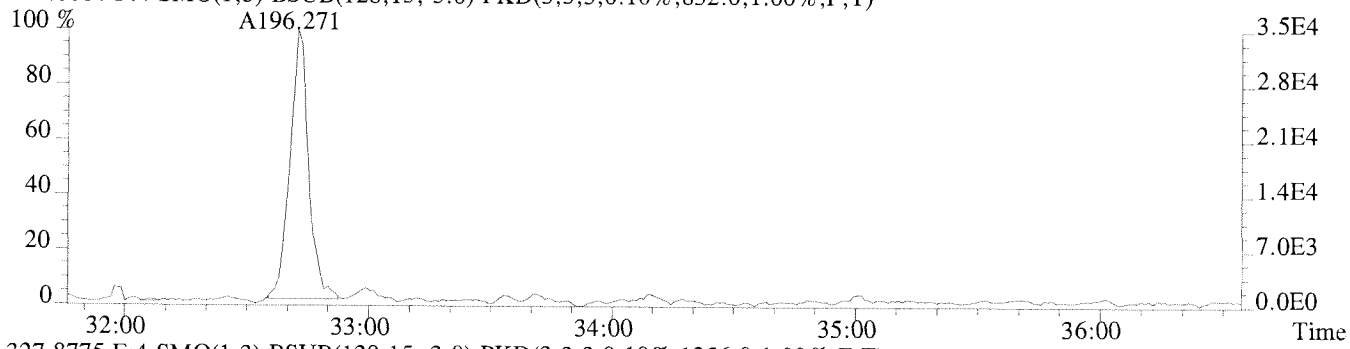


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

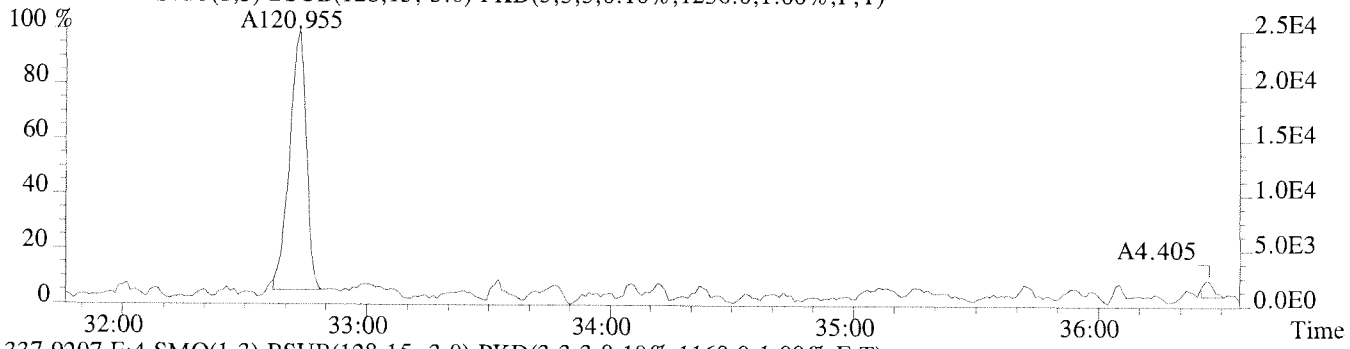


File:U139144 #1-308 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

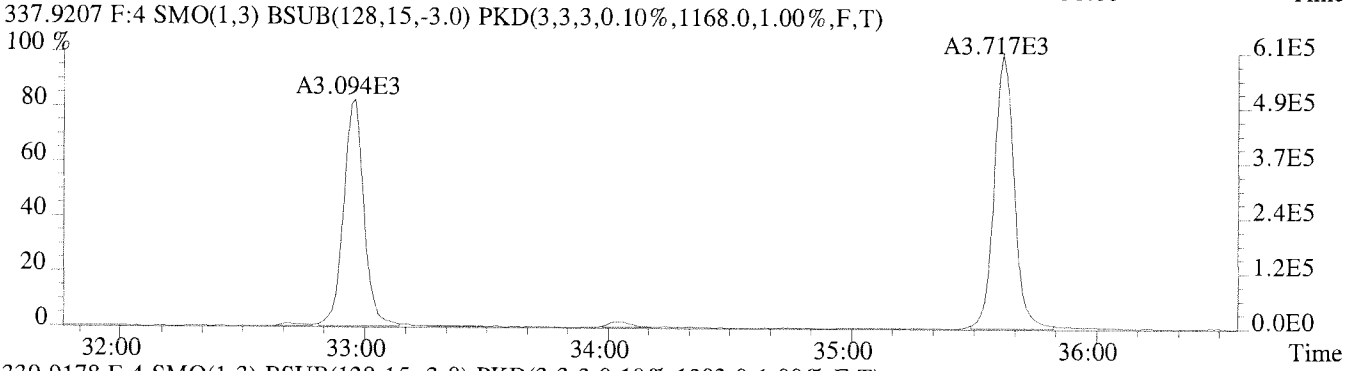
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,852.0,1.00%,F,T)



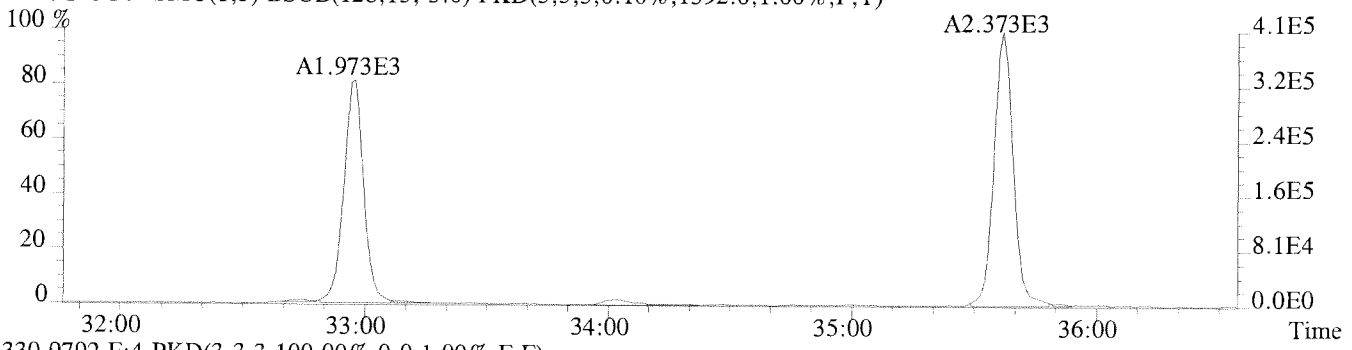
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1256.0,1.00%,F,T)



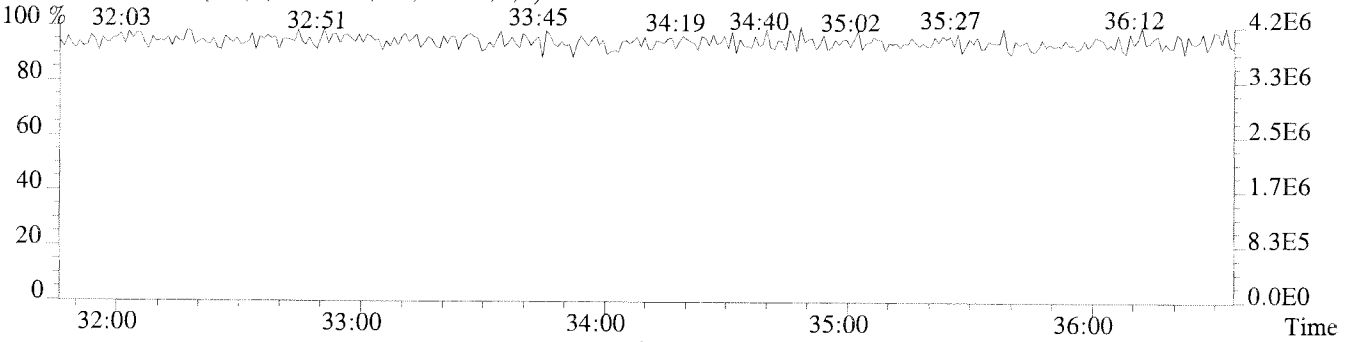
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1168.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1392.0,1.00%,F,T)

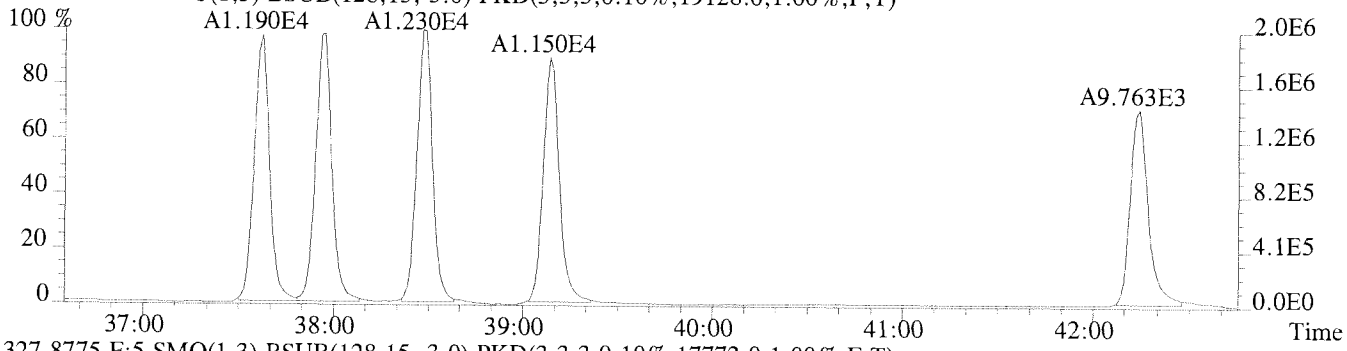


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

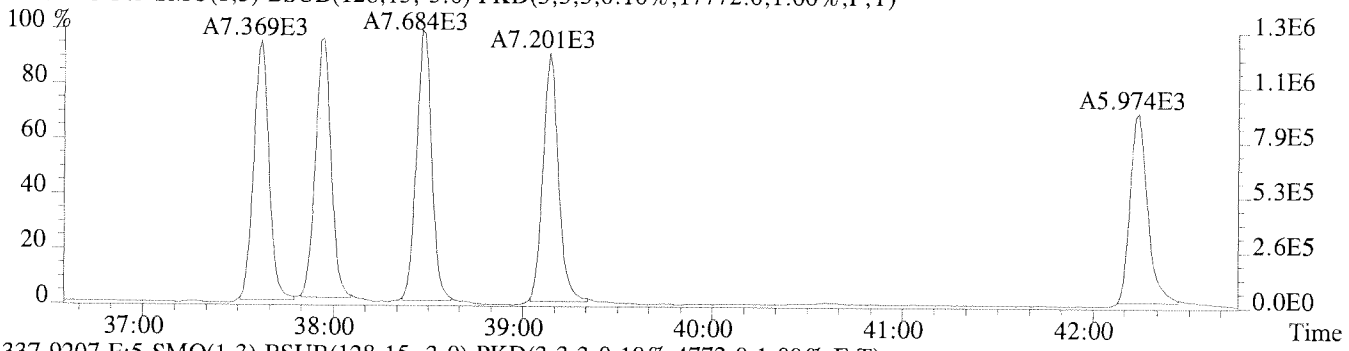


File:U139144 #1-395 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

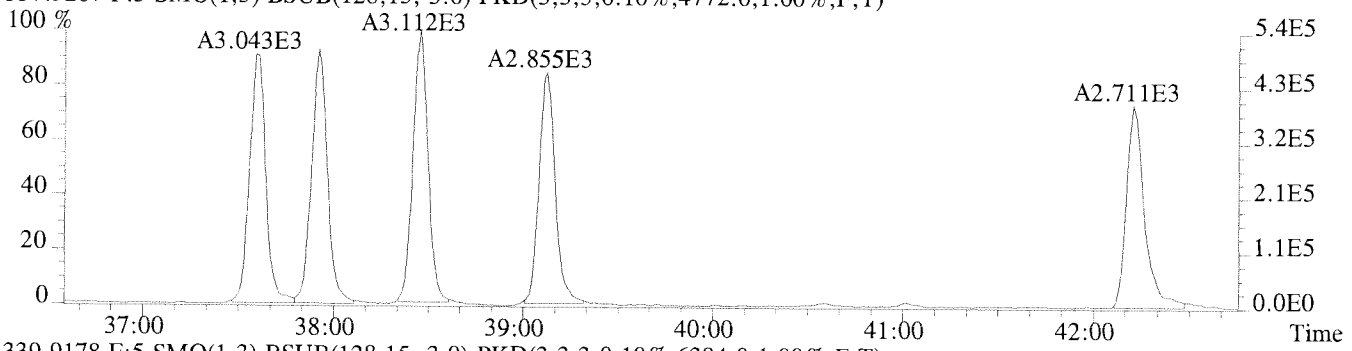
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,19128.0,1.00%,F,T)



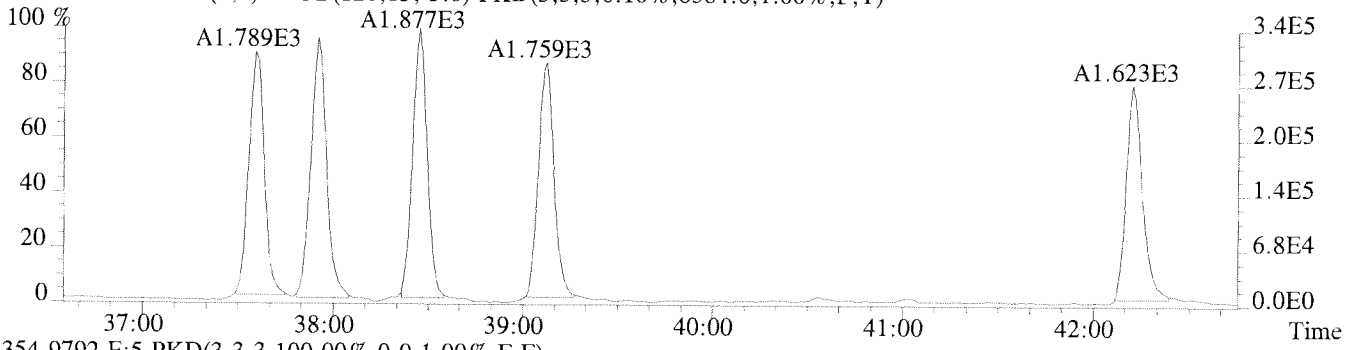
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17772.0,1.00%,F,T)



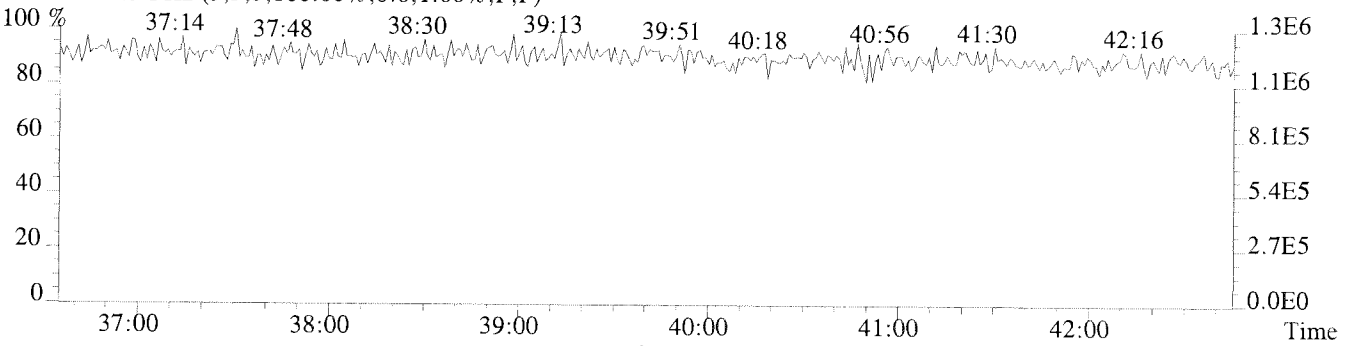
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4772.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6384.0,1.00%,F,T)

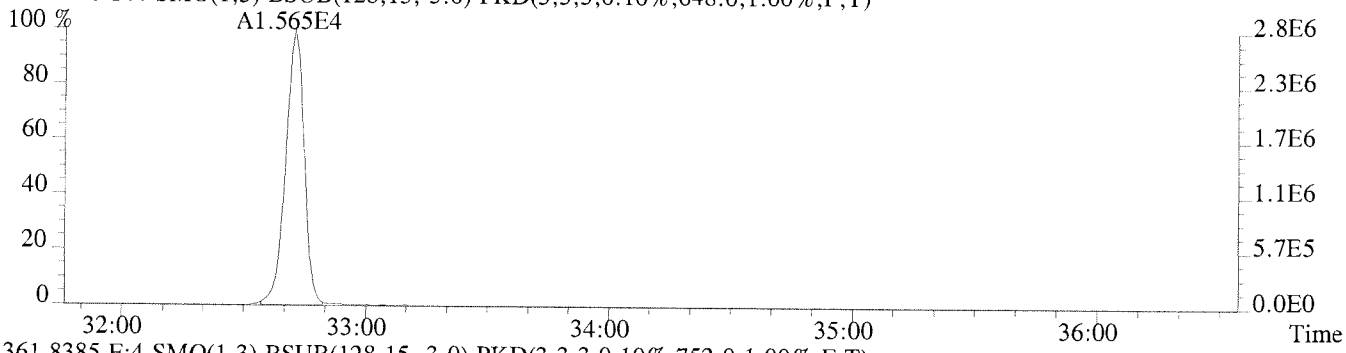


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

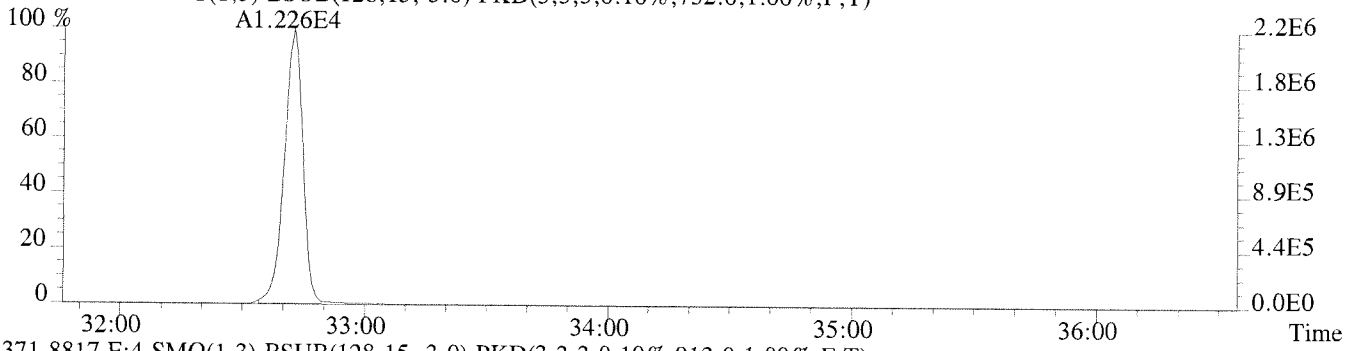


File:U139144 #1-308 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

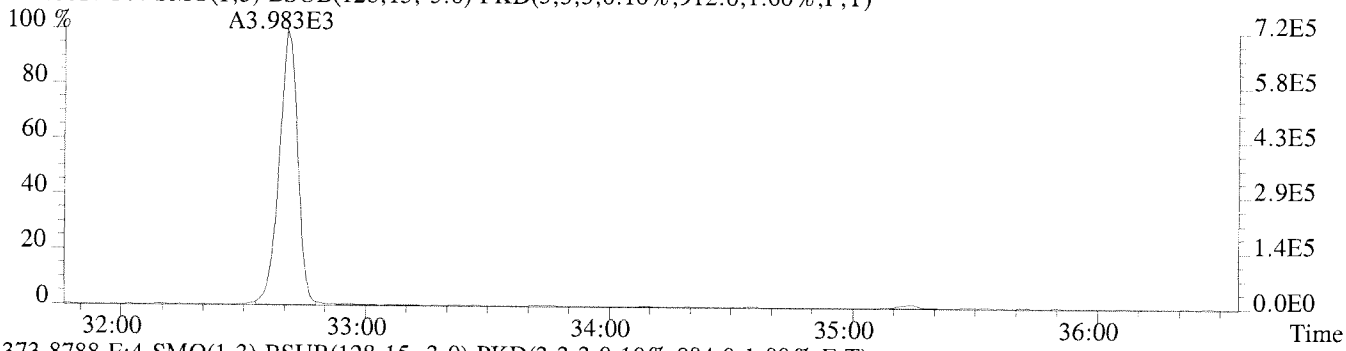
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,648.0,1.00%,F,T)



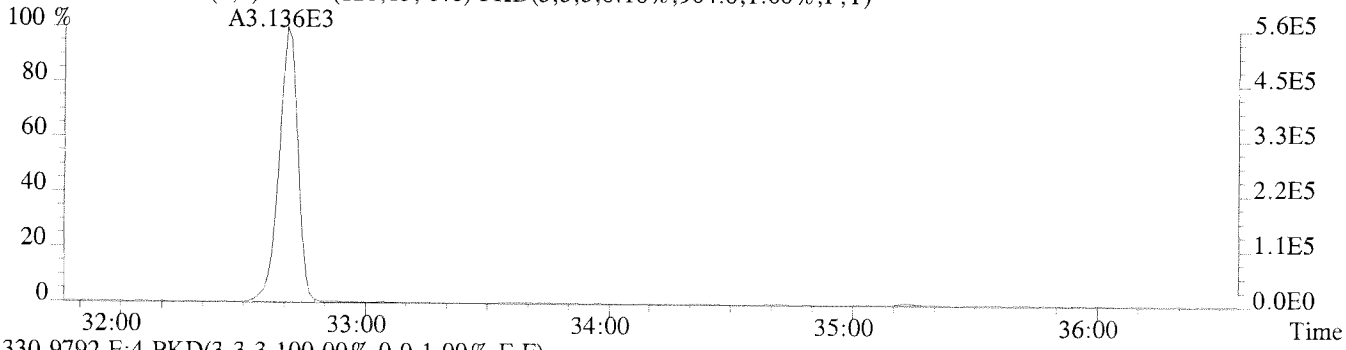
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,752.0,1.00%,F,T)



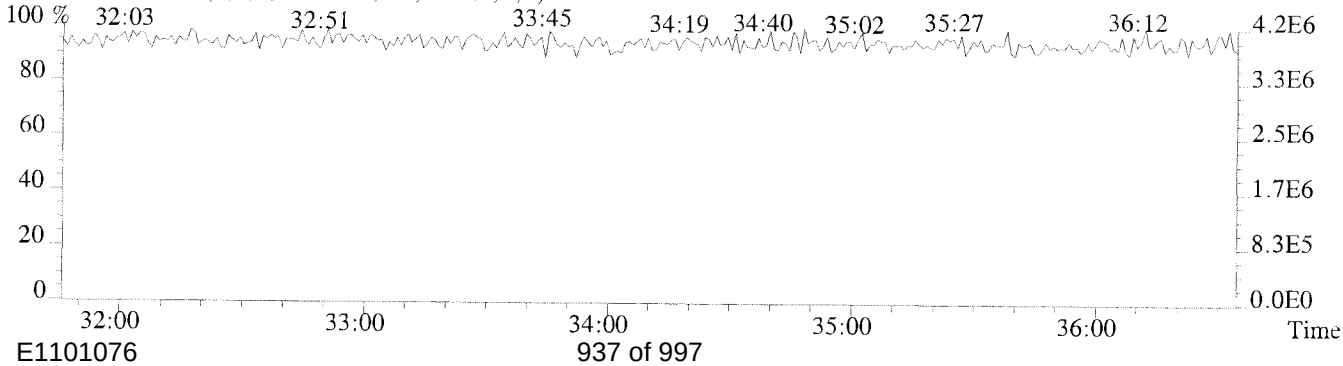
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,912.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)

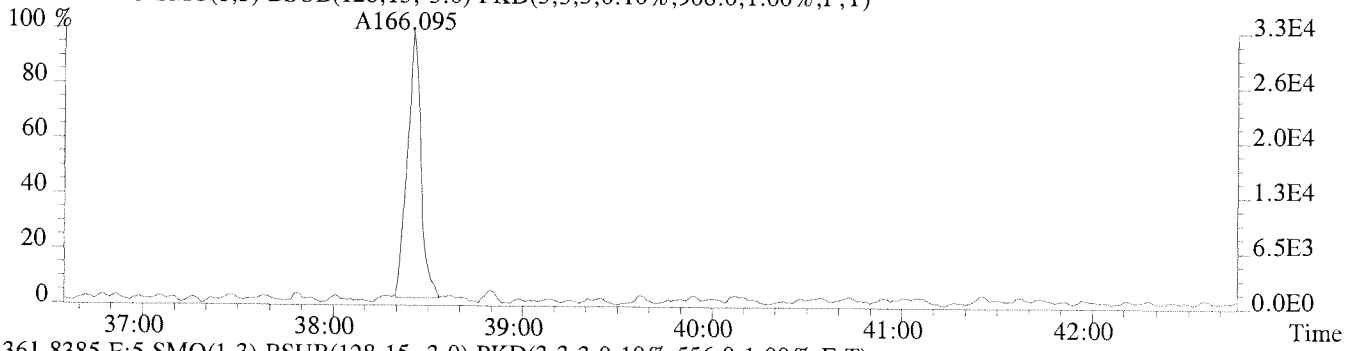


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

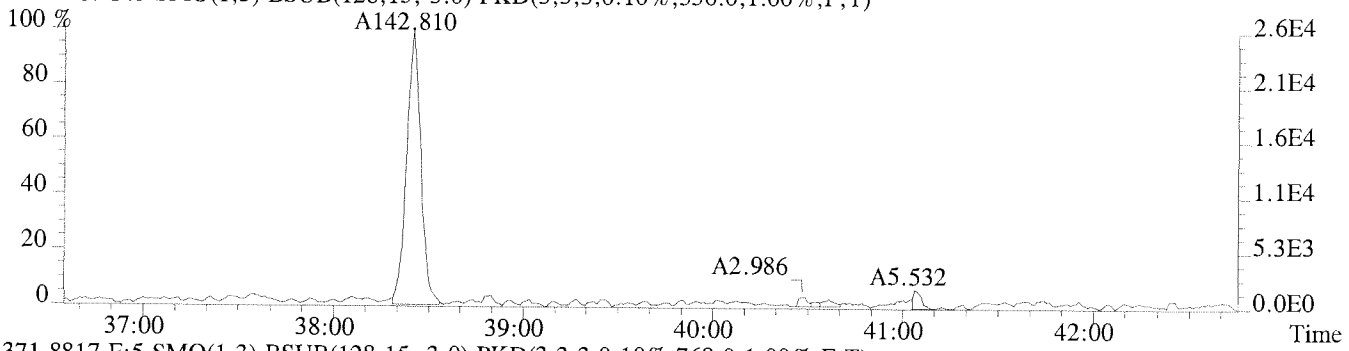


File:U139144 #1-395 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

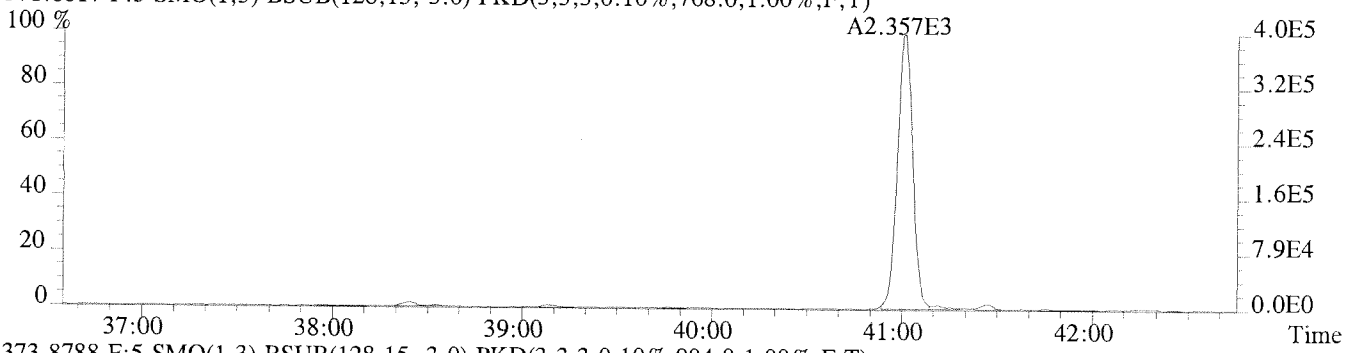
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,908.0,1.00%,F,T)



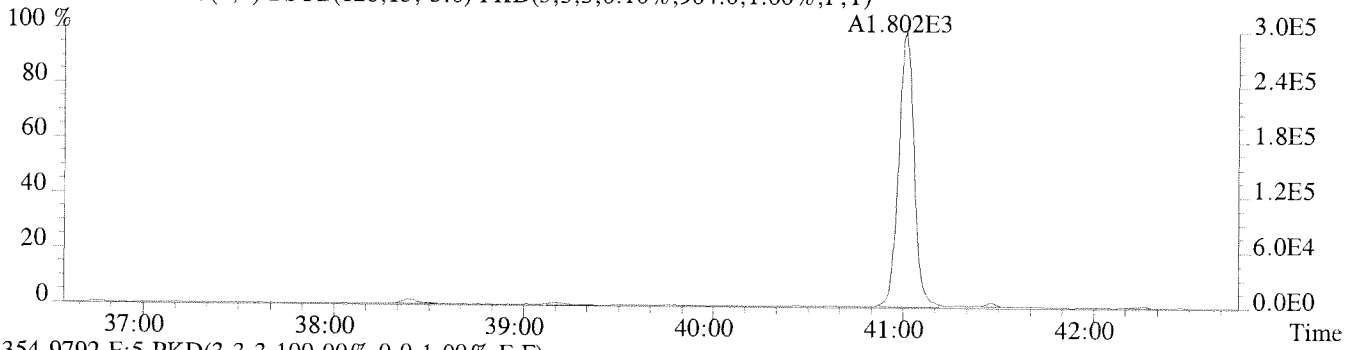
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,556.0,1.00%,F,T)



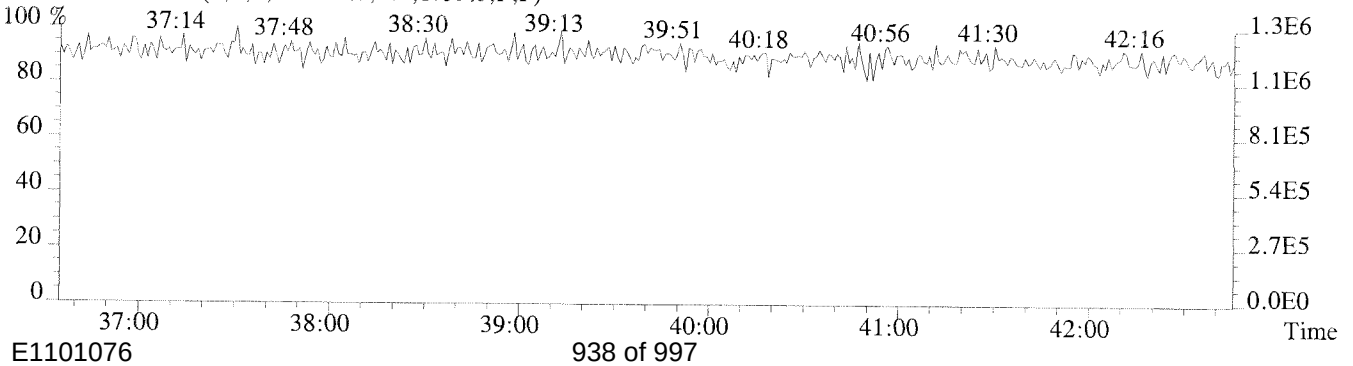
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,768.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)

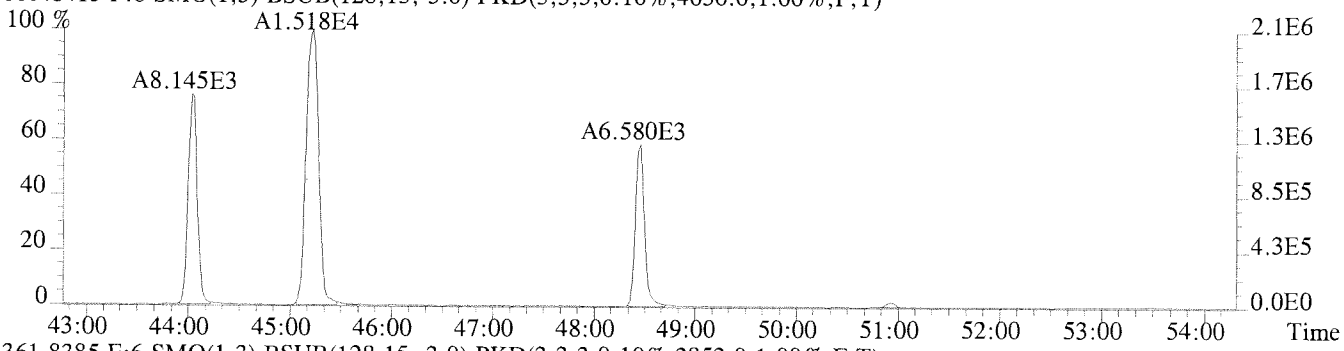


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

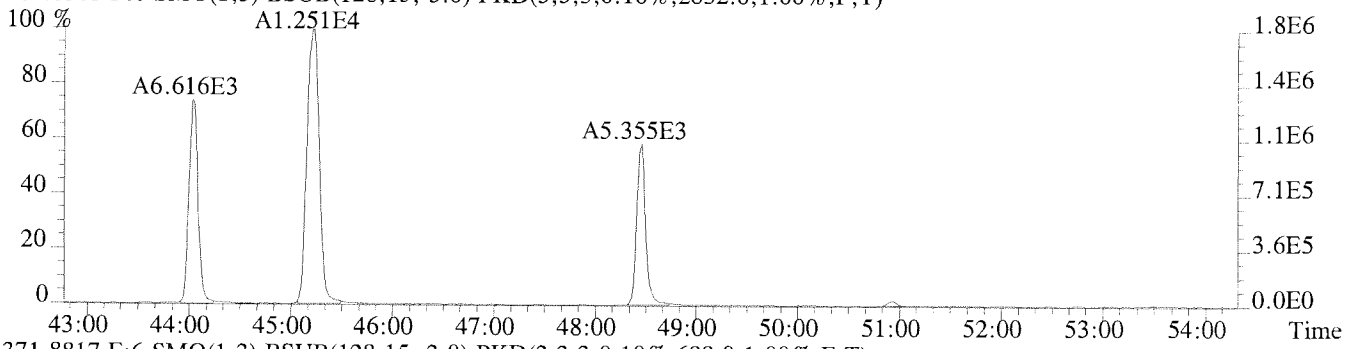


File:U139144 #1-572 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

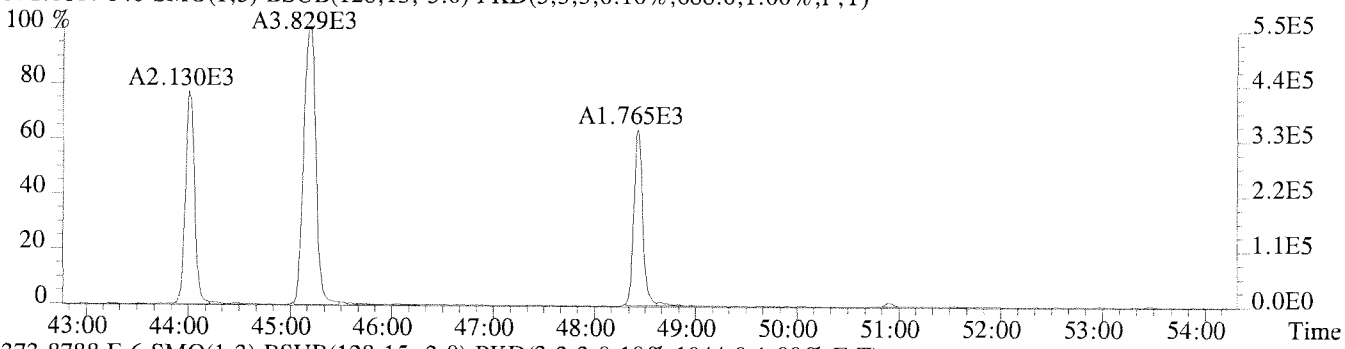
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4036.0,1.00%,F,T)



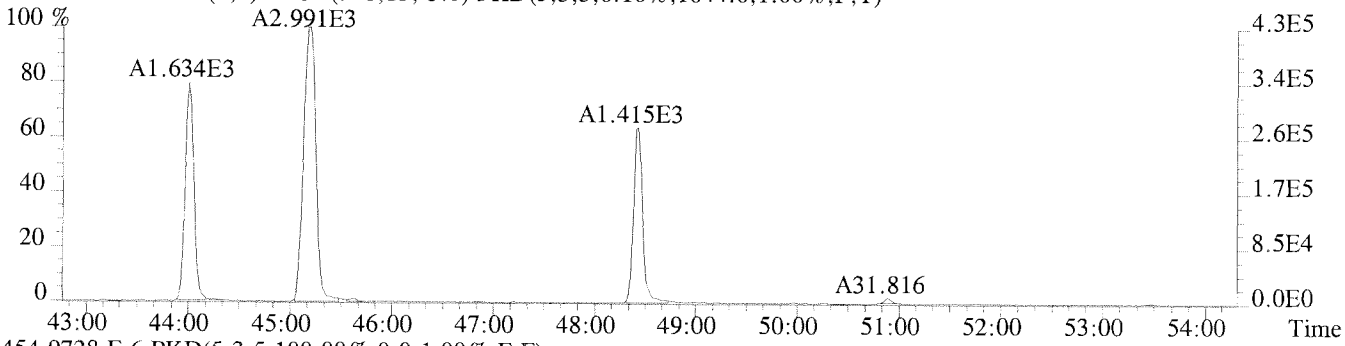
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2852.0,1.00%,F,T)



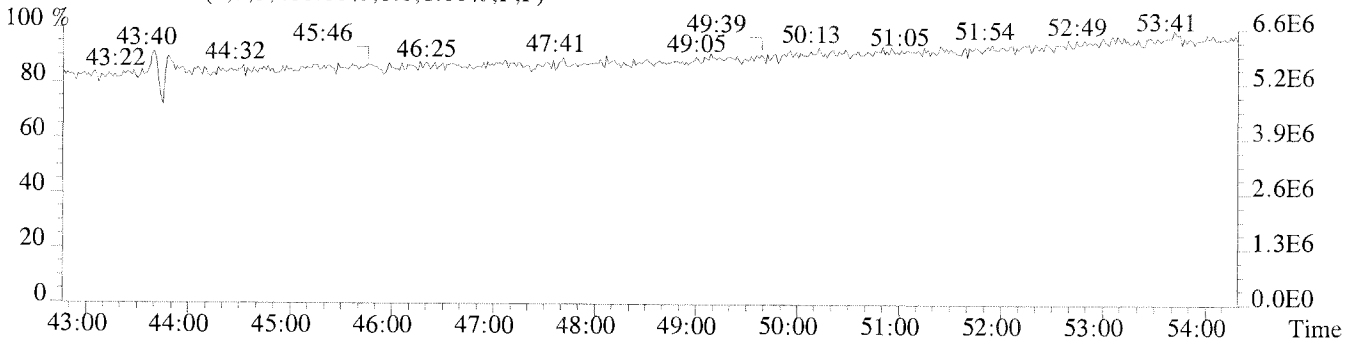
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,688.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1044.0,1.00%,F,T)

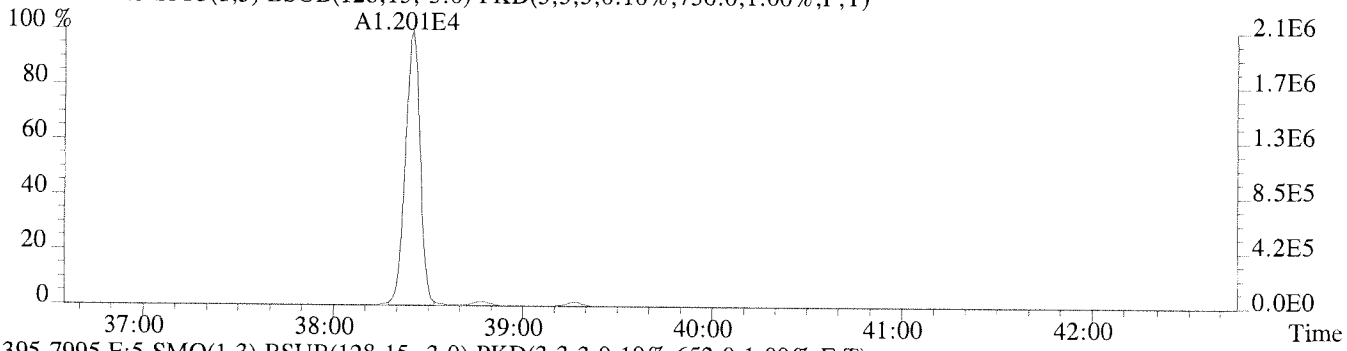


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

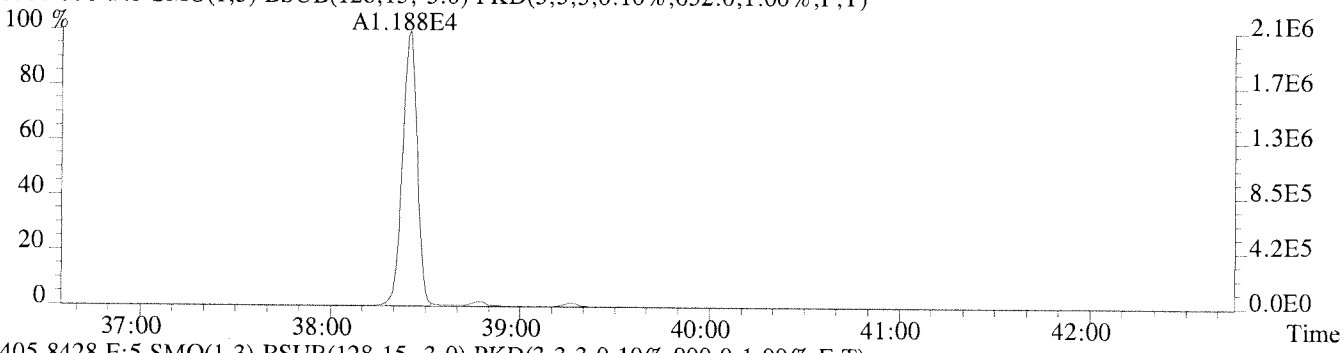


File:U139144 #1-395 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

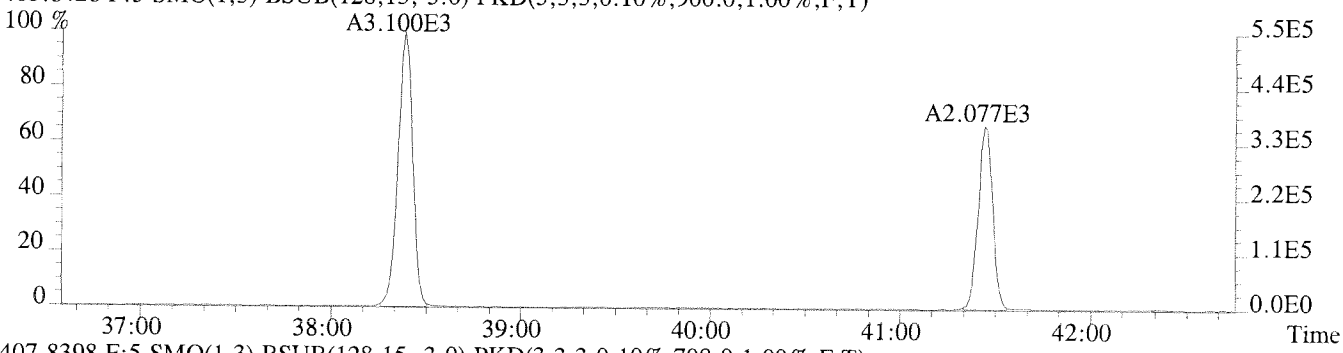
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,736.0,1.00%,F,T)



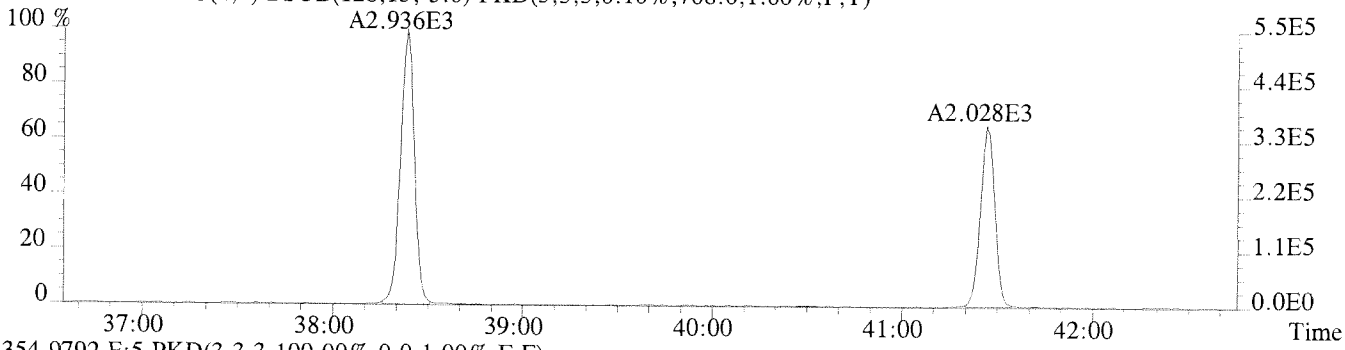
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,652.0,1.00%,F,T)



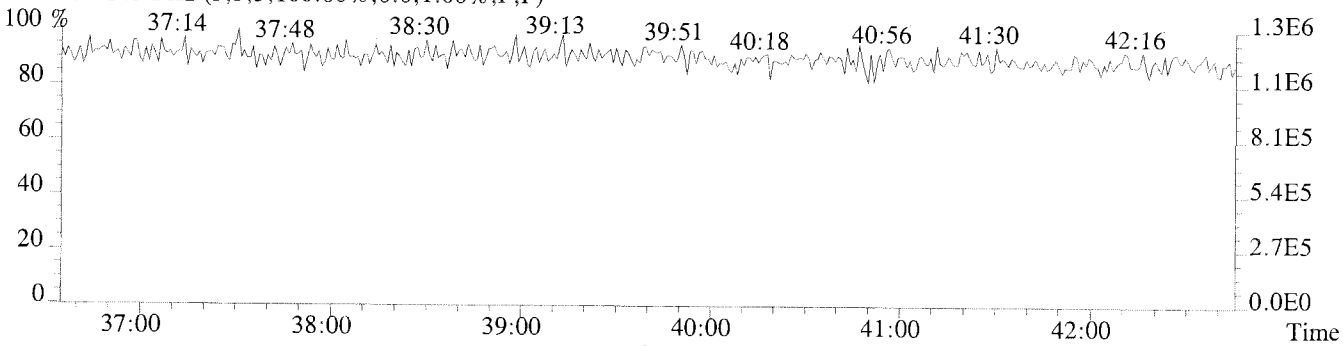
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,708.0,1.00%,F,T)

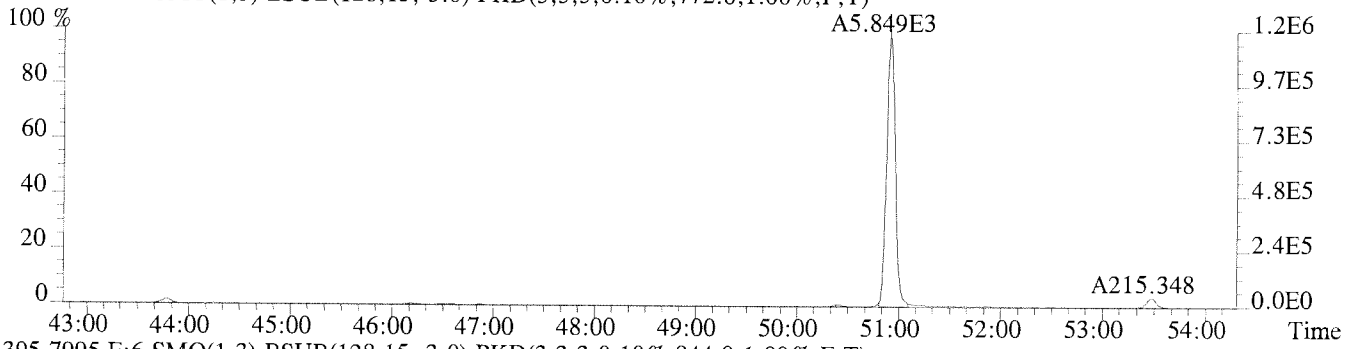


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

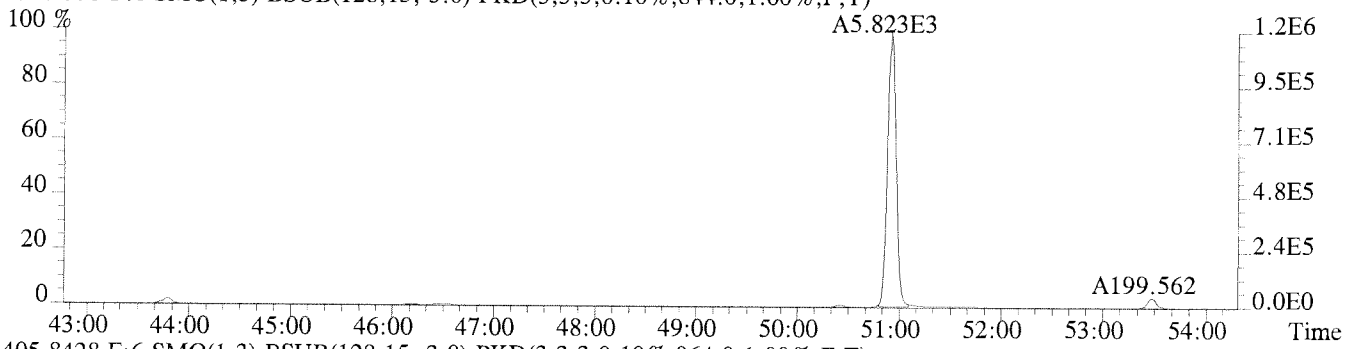


File:U139144 #1-572 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

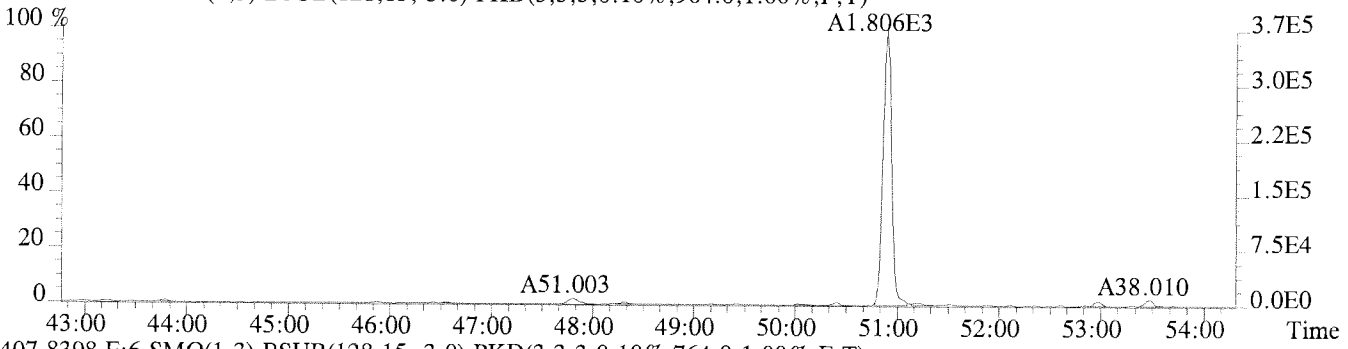
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,772.0,1.00%,F,T)



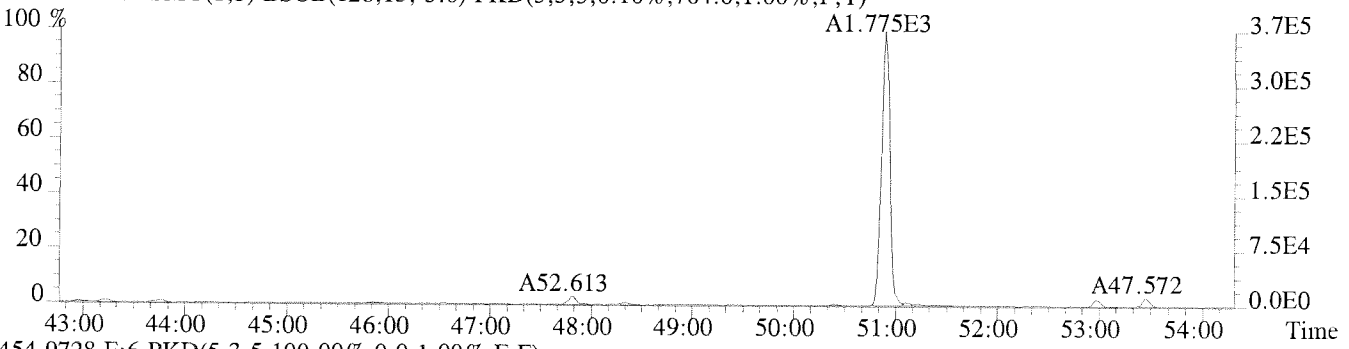
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



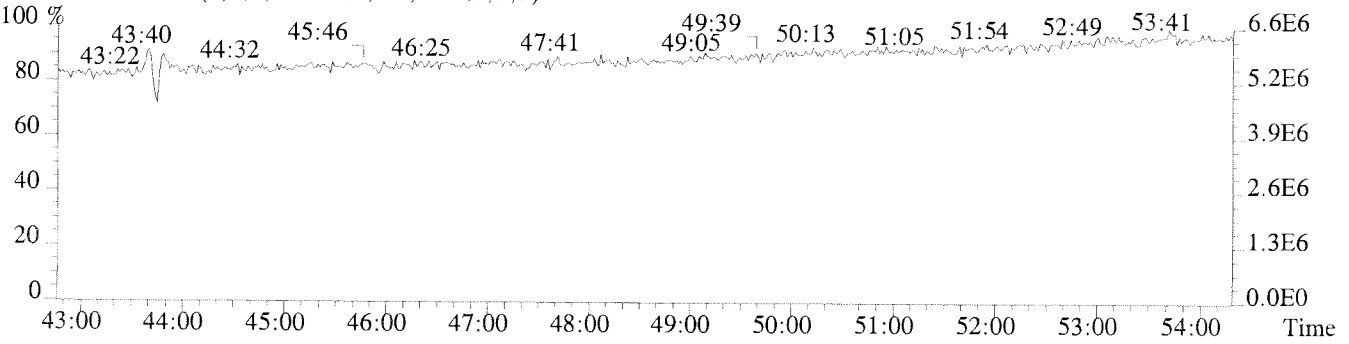
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,964.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,764.0,1.00%,F,T)

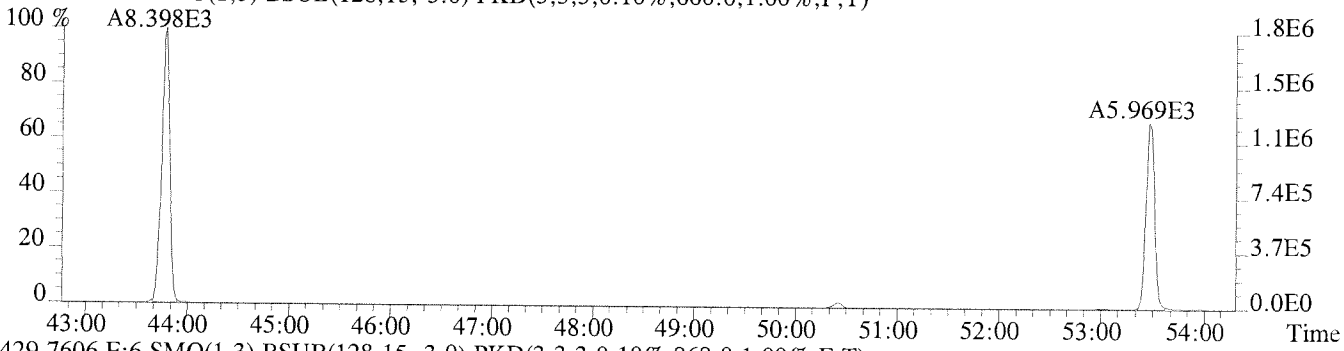


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

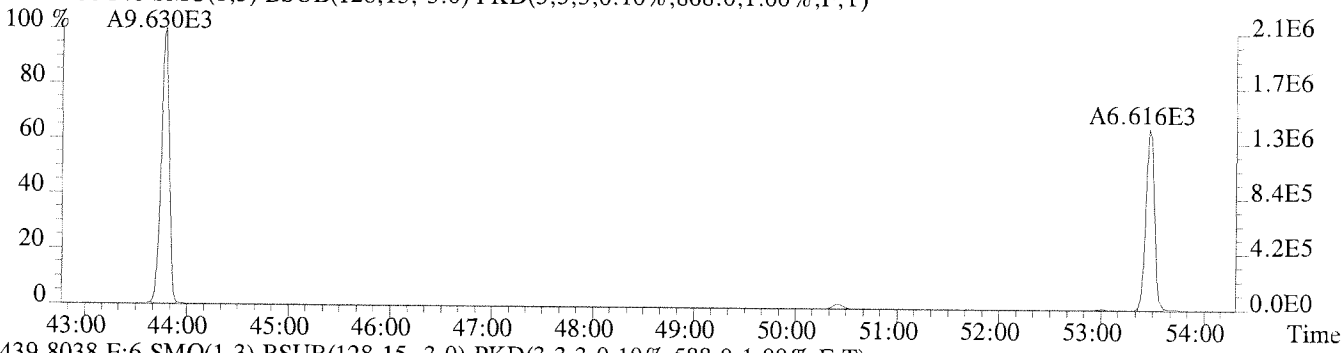


File:U139144 #1-572 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

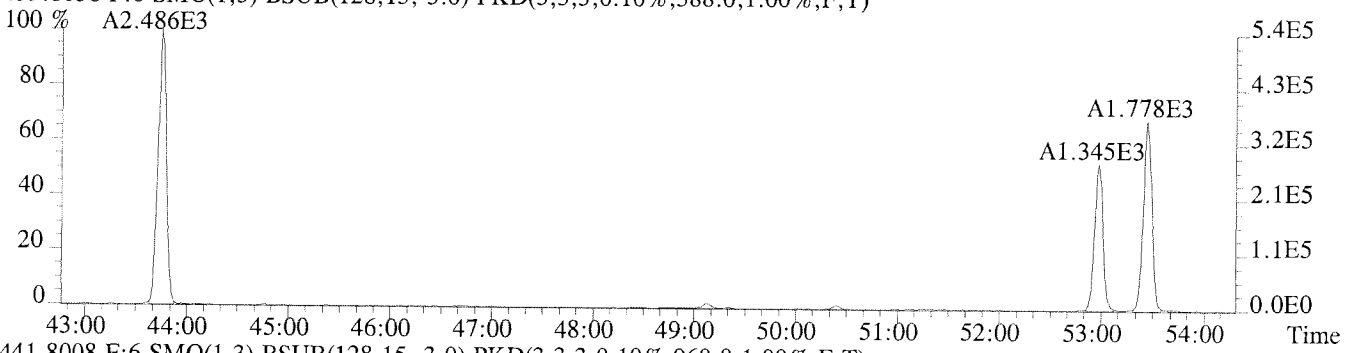
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,660.0,1.00%,F,T)



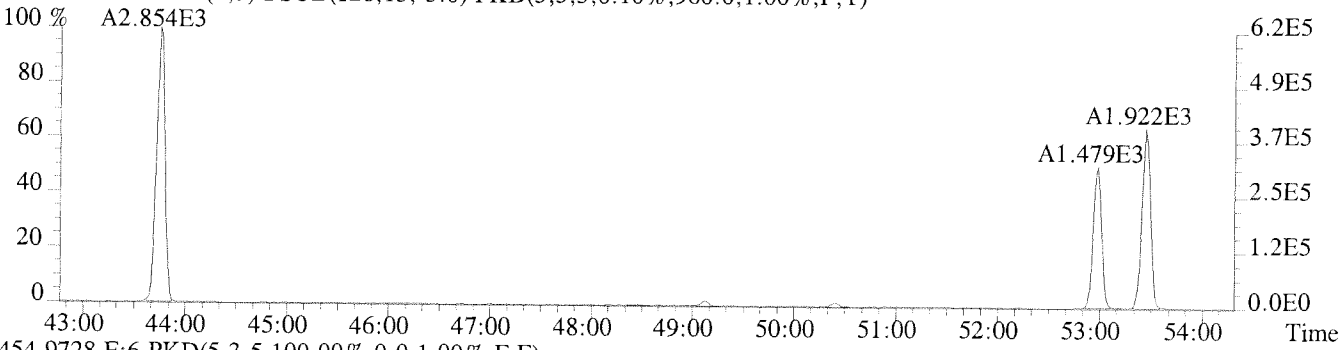
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



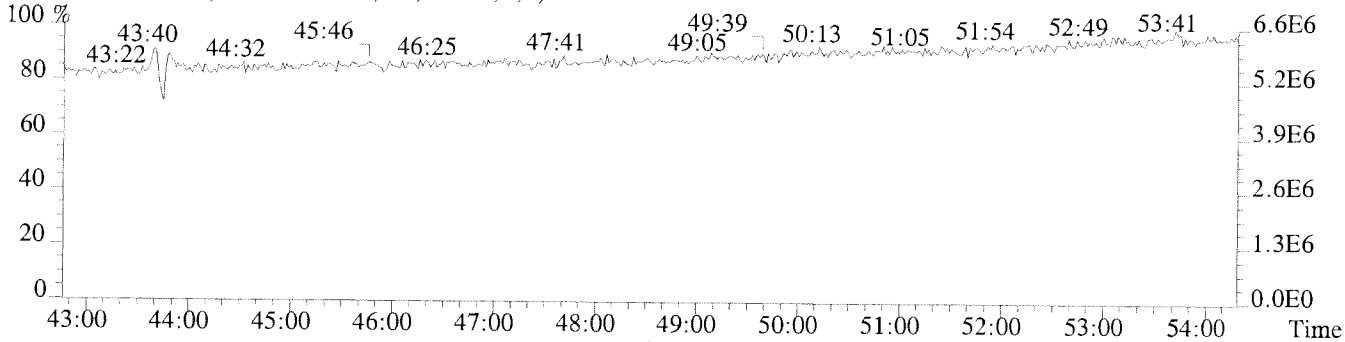
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,588.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)

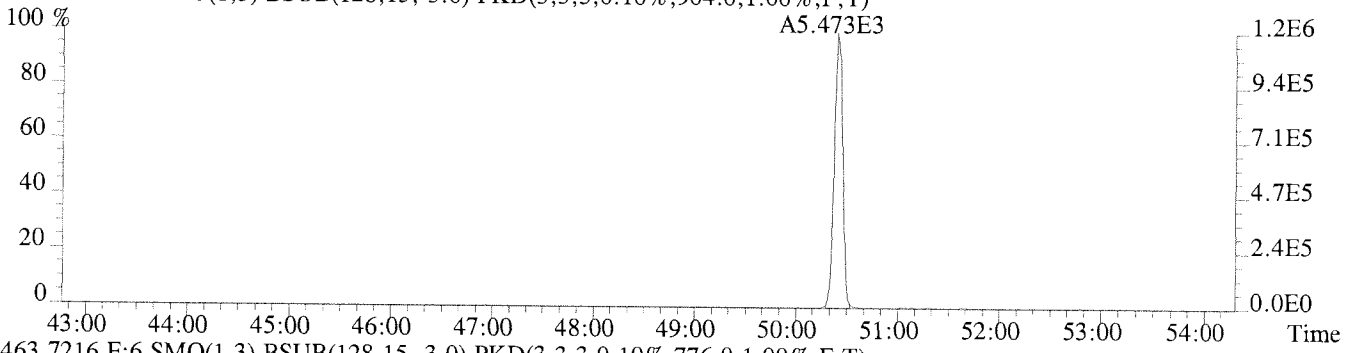


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

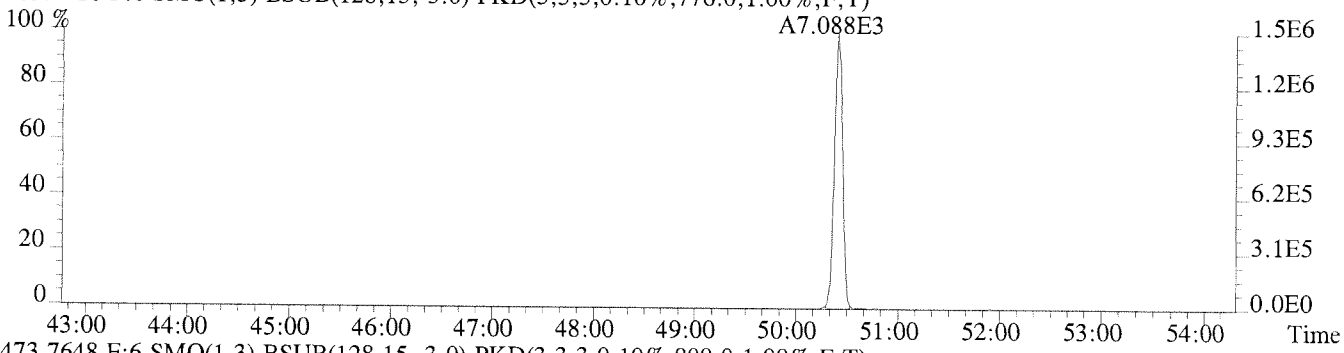


File:U139144 #1-572 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

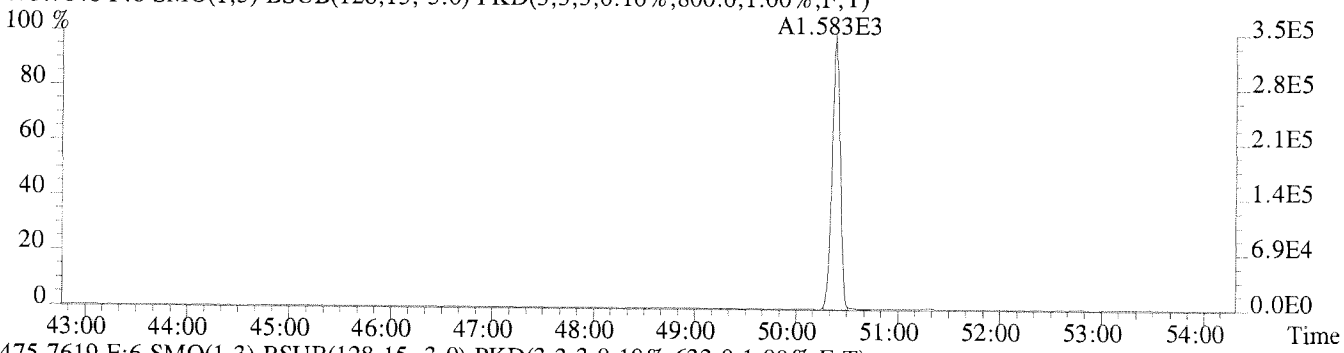
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)



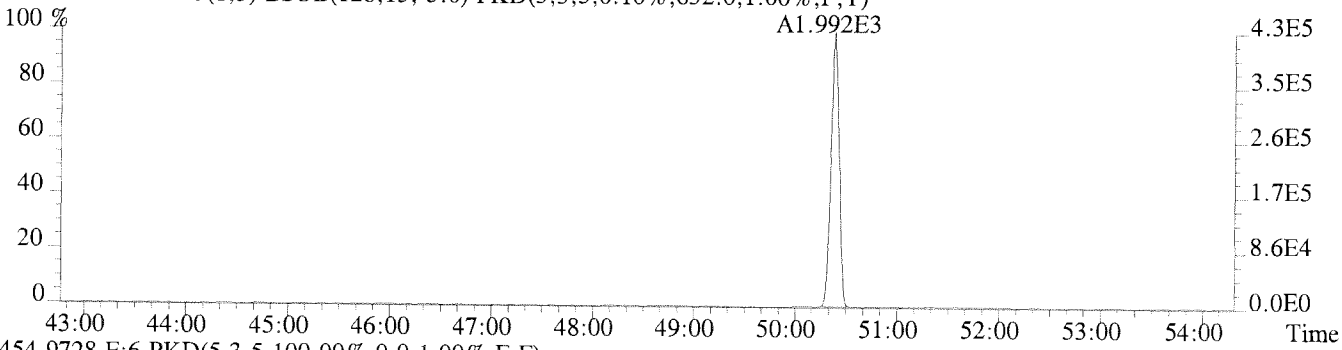
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)



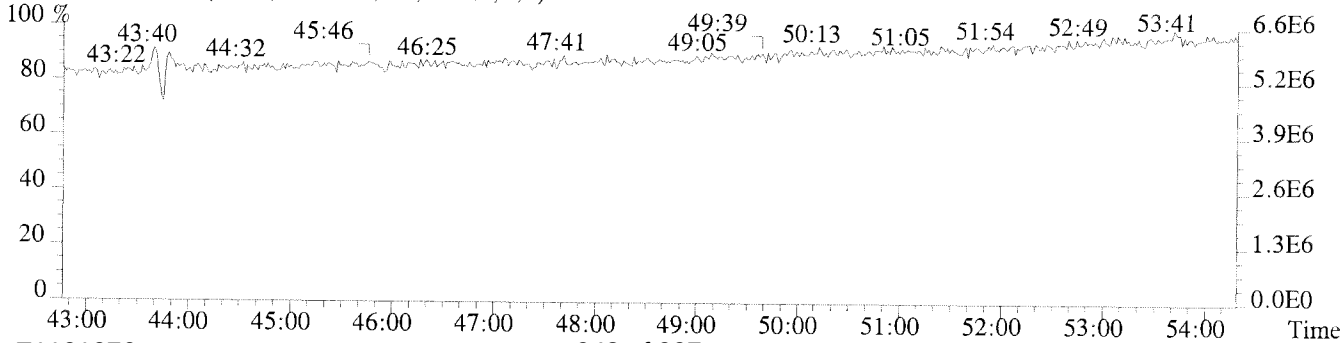
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,800.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,632.0,1.00%,F,T)

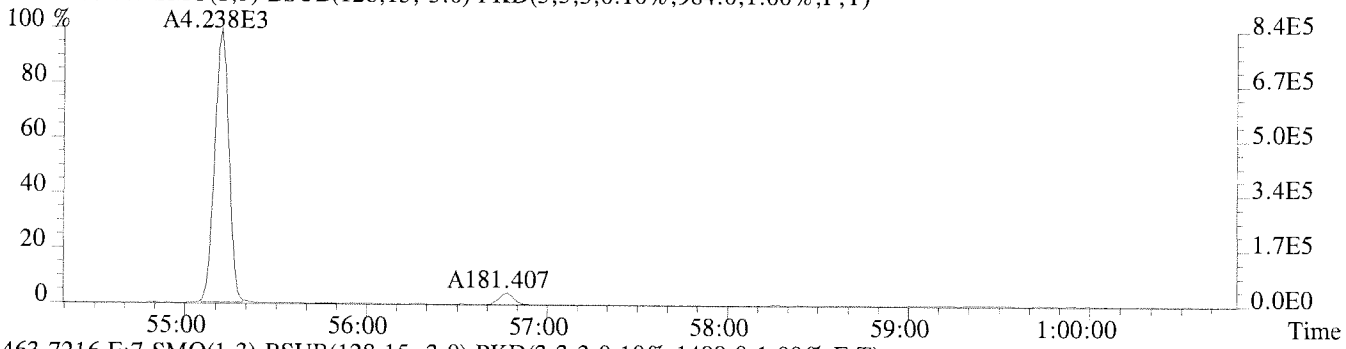


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

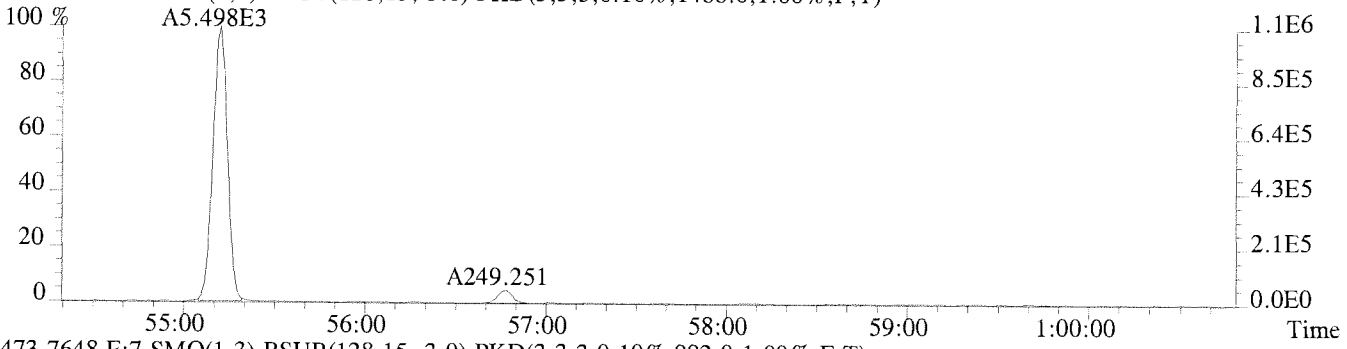


File:U139144 #1-366 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

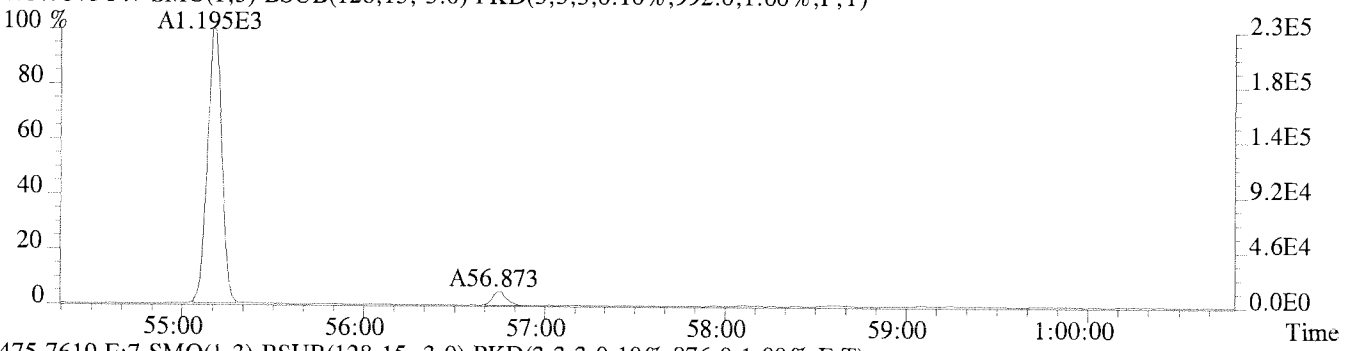
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,984.0,1.00%,F,T)



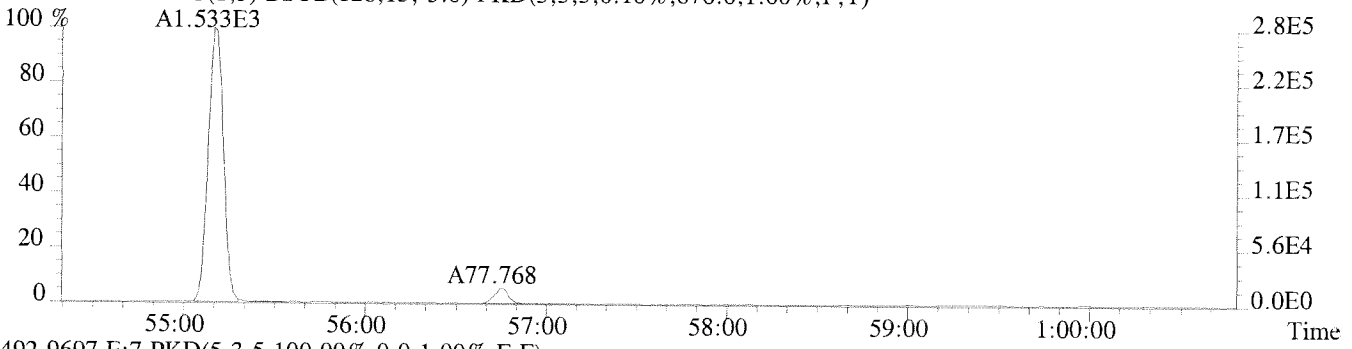
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1488.0,1.00%,F,T)



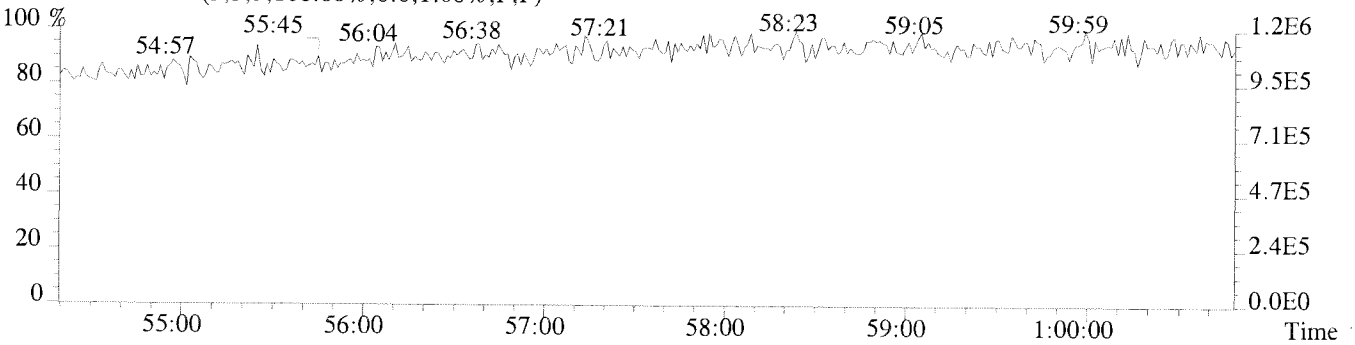
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,992.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,876.0,1.00%,F,T)

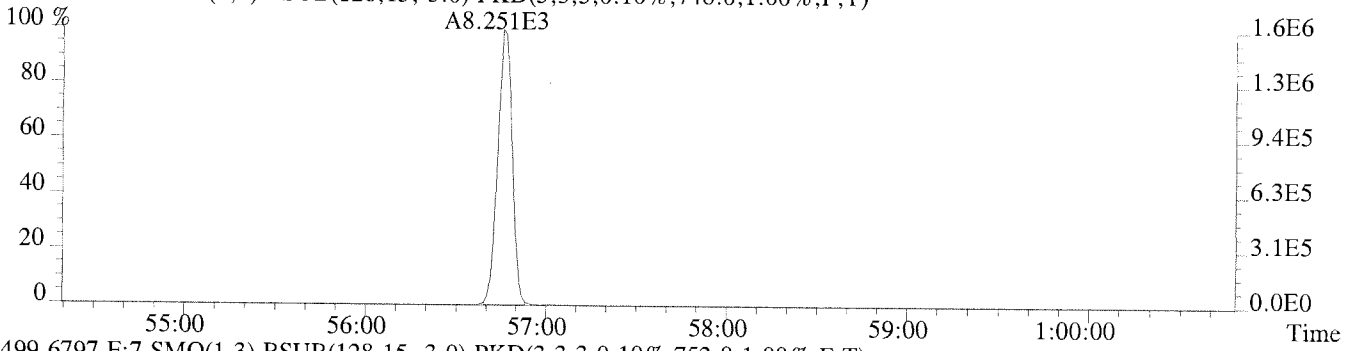


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

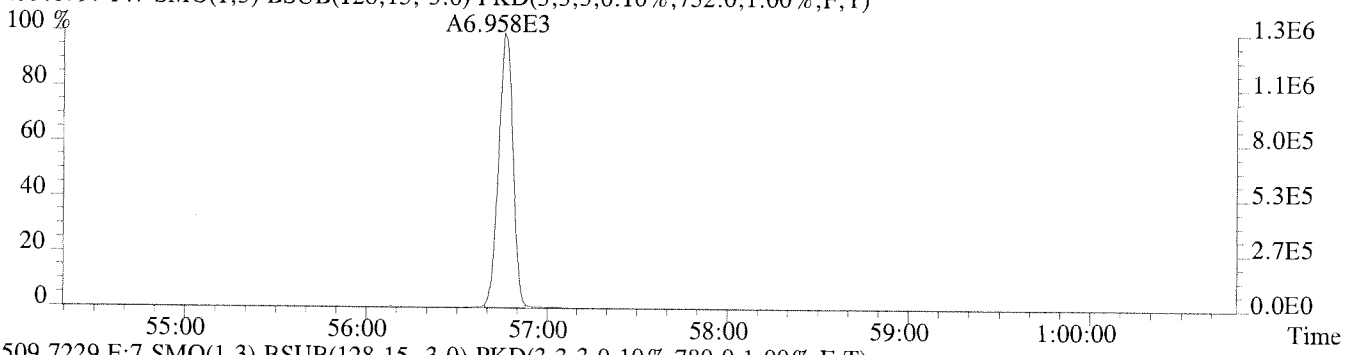


File:U139144 #1-366 Acq:23-FEB-2011 15:48:29 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS4

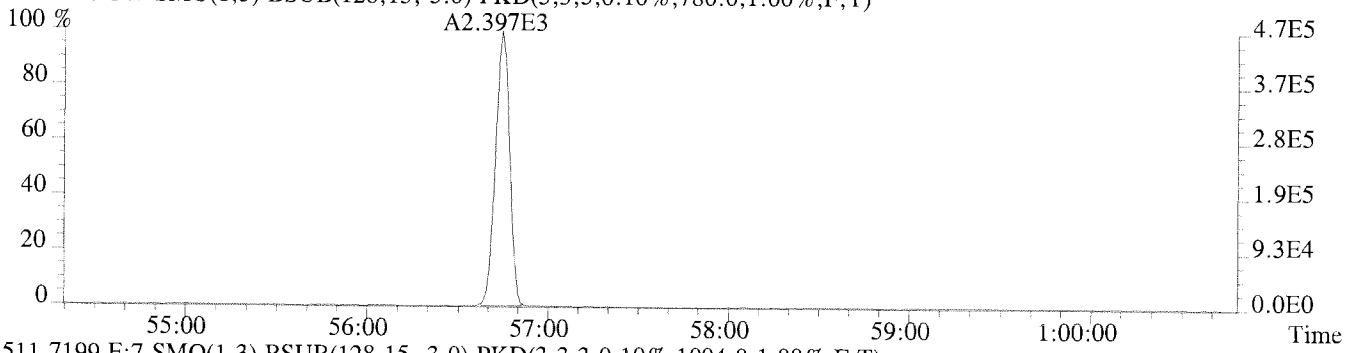
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,748.0,1.00%,F,T)



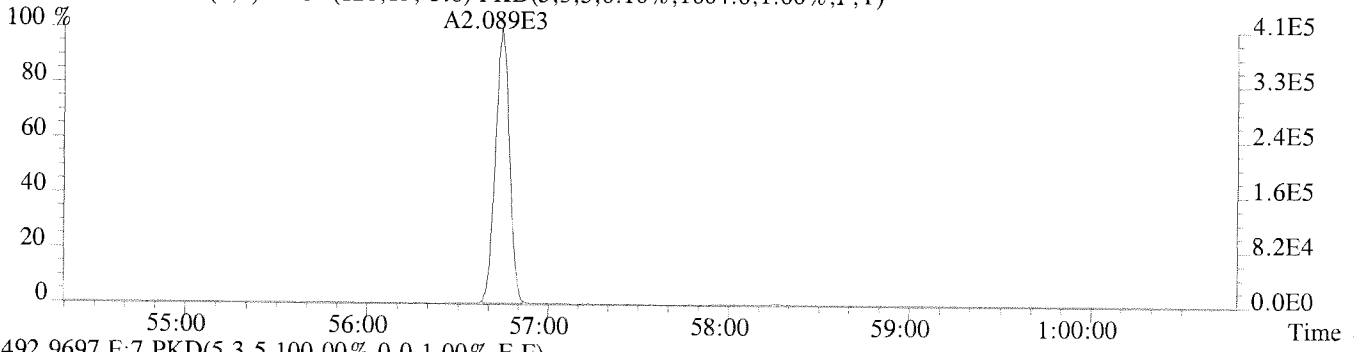
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,752.0,1.00%,F,T)



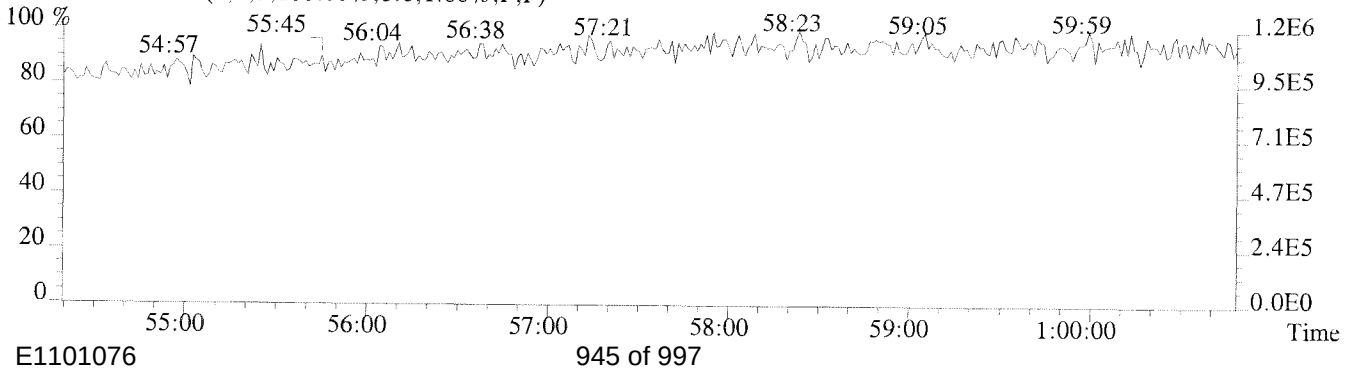
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,780.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
ICAL CS5

Run #5 Filename U139145 #1 Samp: 1 Inj: 1 Acquired: 23-FEB-11 16:50:43
Processed: 24-FEB-11 17:57:10 LAB. ID: ICAL CS5

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRT
1	1	2-MoCB	13:02	4.361e+05	1.388e+05	3.14	yes	no	1.001
2	3	4-MoCB	15:13	4.128e+05	1.316e+05	3.14	yes	no	1.001
3	4	22'-DiCB	15:27	2.432e+05	1.582e+05	1.54	yes	no	1.001
4	15	44'-DiCB	21:21	2.635e+05	1.683e+05	1.57	yes	no	1.001
5	19	22'6'-TrCB	18:33	1.497e+05	1.465e+05	1.02	yes	no	1.001
6	37	344'-TrCB	28:22	2.015e+05	1.909e+05	1.06	yes	no	1.001
7	54	22'66'-TeCB	21:37	1.668e+05	2.174e+05	0.77	yes	no	1.001
8	81	344'5-TeCB	35:05	1.369e+05	1.755e+05	0.78	yes	no	1.000
9	77	33'44'-TeCB	35:40	1.295e+05	1.673e+05	0.77	yes	no	1.001
10	104	22'466'-PeCB	27:04	2.415e+05	1.508e+05	1.60	yes	no	1.001
11	123	2'344'5-PeCB	37:36	1.707e+05	1.092e+05	1.56	yes	no	1.000
12	118	23'44'5-PeCB	37:56	1.784e+05	1.132e+05	1.58	yes	no	1.001
13	114	2344'5-PeCB	38:28	1.780e+05	1.139e+05	1.56	yes	no	1.001
14	105	233'44'-PeCB	39:07	1.646e+05	1.043e+05	1.58	yes	no	1.000
15	126	33'44'5-PeCB	42:12	1.381e+05	8.838e+04	1.56	yes	no	1.000
16	155	22'44'66'-HxCB	32:42	2.160e+05	1.696e+05	1.27	yes	no	1.001
17	167	23'44'55'-HxCB	44:02	1.138e+05	9.134e+04	1.25	yes	no	1.000
18	156/7	233'44'5-HxCB	45:12	2.104e+05	1.693e+05	1.24	yes	no	1.000
19	169	33'44'55'-HxCB	48:26	8.620e+04	6.927e+04	1.24	yes	no	1.000
20	188	22'34'566'-HpCB	38:24	1.742e+05	1.688e+05	1.03	yes	no	1.000
21	189	233'44'55'-HpCB	50:55	8.037e+04	7.810e+04	1.03	yes	no	1.000
22	202	22'33'55'66'-OcCB	43:46	1.172e+05	1.325e+05	0.88	yes	no	1.000
23	205	233'44'55'6-OcCB	53:28	8.135e+04	9.188e+04	0.89	yes	no	1.000
24	208	22'33'4'55'66'-NoCB	50:25	7.691e+04	9.893e+04	0.78	yes	no	1.000
25	206	22'33'44'55'6-NoCB	55:12	5.708e+04	7.337e+04	0.78	yes	no	1.001
26	209	DeCB	56:46	1.124e+05	9.569e+04	1.17	yes	no	1.000
27	1L	13C-2-MoCB	13:01	2.008e+04	6.419e+03	3.13	yes	yes	0.748
28	3L	13C-4-MoCB	15:12	1.932e+04	6.096e+03	3.17	yes	yes	0.874
29	4L	13C-22'-DiCB	15:26	1.100e+04	6.763e+03	1.63	yes	no	0.887
30	15L	13C-44'-DiCB	21:20	1.291e+04	8.005e+03	1.61	yes	no	1.226
31	19L	13C-22'6'-TrCB	18:32	7.402e+03	7.135e+03	1.04	yes	no	1.065
32	37L	13C-344'-TrCB	28:21	8.752e+03	8.621e+03	1.02	yes	no	1.085
33	54L	13C-22'66'-TeCB	21:36	8.485e+03	1.057e+04	0.80	yes	no	0.827
34	81L	13C-344'5-TeCB	35:04	6.467e+03	8.518e+03	0.76	yes	no	1.342
35	77L	13C-33'44'-TeCB	35:38	6.223e+03	8.528e+03	0.73	yes	no	1.364
36	104L	13C-22'466'-PeCB	27:03	1.117e+04	7.193e+03	1.55	yes	no	0.821
37	123L	13C-2'344'5-PeCB	37:35	8.237e+03	5.189e+03	1.59	yes	no	1.141
38	118L	13C-23'44'5-PeCB	37:54	8.507e+03	5.375e+03	1.58	yes	no	1.150
39	114L	13C-2344'5-PeCB	38:26	8.804e+03	5.541e+03	1.59	yes	no	1.166
40	105L	13C-233'44'-PeCB	39:07	7.920e+03	4.902e+03	1.62	yes	no	1.187
41	126L	13C-33'44'5-PeCB	42:12	6.959e+03	4.337e+03	1.60	yes	no	1.281
42	155L	13C-22'44'66'-HxCB	32:41	1.071e+04	8.445e+03	1.27	yes	no	0.797
43	167L	13C-23'44'55'-HxCB	44:01	5.707e+03	4.431e+03	1.29	yes	no	1.074
44	156/7	13C-233'44'5'-HxCB	45:11	1.011e+04	7.854e+03	1.29	yes	no	1.102
45	169L	13C-33'44'55'-HxCB	48:25	4.279e+03	3.391e+03	1.26	yes	no	1.181
46	188L	13C-22'34'566'-HpCB	38:23	8.735e+03	8.297e+03	1.05	yes	no	0.724
47	189L	13C-233'44'55'-HpCB	50:54	4.732e+03	4.475e+03	1.06	yes	no	0.961
48	202L	13C-22'33'55'66'-OcCB	43:45	6.997e+03	7.946e+03	0.88	yes	no	0.826
49	205L	13C-233'44'55'6-OcCB	53:27	4.565e+03	5.012e+03	0.91	yes	no	1.009
50	208L	13C-22'33'4'55'66'-NoCB	50:24	4.409e+03	5.597e+03	0.79	yes	no	0.951
51	206L	13C-22'33'44'55'6-NoCB	55:10	3.155e+03	3.940e+03	0.80	yes	no	1.041
52	209L	13C-DeCB	56:45	6.335e+03	5.297e+03	1.20	yes	no	1.071

53	28L	13C-244'-TrCB	24:19	1.128e+04	1.057e+04	1.07	yes	no	0.930
54	111L	13C-233'55'-PeCB	35:36	9.930e+03	6.355e+03	1.56	yes	no	1.080
55	178L	13C-22'33'55'6-HpCB	41:26	5.781e+03	5.386e+03	1.07	yes	no	1.011
56	9L	13C-2,5-DiCB	17:24	1.319e+04	8.397e+03	1.57	yes	no	*
57	52L	13C-22'55'-TeCB	26:08	7.090e+03	9.247e+03	0.77	yes	no	*
58	101L	13C-22'4'55'-PeCB	32:57	8.117e+03	5.040e+03	1.61	yes	no	*
59	138L	13C-22'3'44'5'-HxCB	41:00	6.060e+03	4.850e+03	1.25	yes	no	*
60	194L	13C-22'33'44'55'-OcCB	52:59	3.344e+03	3.782e+03	0.88	yes	no	*

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
ICAL CS5

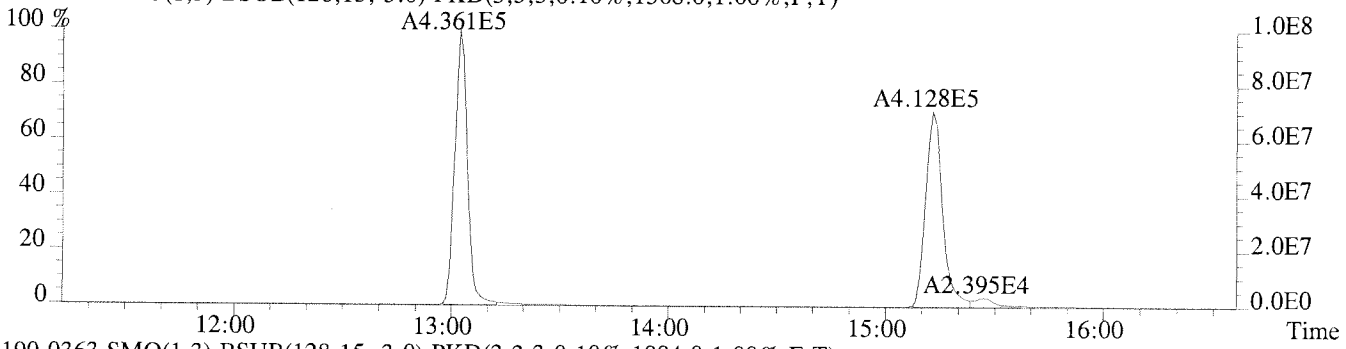
Run #5 Filename U139145 Samp: 1 Inj: 1 Acquired: 23-FEB-11 16:50:43
Processed: 24-FEB-11 17:57:101 LAB. ID: ICAL CS5

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2-MoCB	1.00e+08	1.37e+03	7.3e+04	3.20e+07	1.88e+03	1.7e+04
	4-MoCB	7.13e+07	1.37e+03	5.2e+04	2.27e+07	1.88e+03	1.2e+04
	22'-DiCB	4.49e+07	2.53e+03	1.8e+04	2.93e+07	7.81e+03	3.8e+03
	44'-DiCB	3.92e+07	5.69e+03	6.9e+03	2.49e+07	8.36e+03	3.0e+03
	22'6'-TrCB	2.65e+07	9.84e+02	2.7e+04	2.60e+07	8.56e+02	3.0e+04
	344'-TrCB	2.77e+07	1.82e+03	1.5e+04	2.64e+07	2.01e+03	1.3e+04
7	22'66'-TeCB	2.73e+07	6.32e+02	4.3e+04	3.56e+07	8.68e+02	4.1e+04
8	344'5-TeCB	2.23e+07	1.75e+03	1.3e+04	2.86e+07	1.56e+03	1.8e+04
	33'44'-TeCB	1.99e+07	1.75e+03	1.1e+04	2.55e+07	1.56e+03	1.6e+04
	22'466'-PeCB	3.71e+07	7.60e+02	4.9e+04	2.31e+07	8.68e+02	2.7e+04
11	2'344'5-PeCB	2.99e+07	5.41e+04	5.5e+02	1.90e+07	2.65e+04	7.2e+02
12	23'44'5-PeCB	3.01e+07	5.41e+04	5.6e+02	1.91e+07	2.65e+04	7.2e+02
13	2344'5-PeCB	3.08e+07	5.41e+04	5.7e+02	1.96e+07	2.65e+04	7.4e+02
14	233'44'-PeCB	2.78e+07	5.41e+04	5.1e+02	1.78e+07	2.65e+04	6.7e+02
15	33'44'5-PeCB	2.25e+07	5.41e+04	4.2e+02	1.42e+07	2.65e+04	5.4e+02
16	22'44'66'-HxCB	3.68e+07	5.06e+03	7.3e+03	2.88e+07	2.69e+03	1.1e+04
17	23'44'55'-HxCB	2.45e+07	4.15e+03	5.9e+03	1.97e+07	4.47e+03	4.4e+03
18	233'44'5-HxCB	3.11e+07	4.15e+03	7.5e+03	2.50e+07	4.47e+03	5.6e+03
19	33'44'55'-HxCB	1.81e+07	4.15e+03	4.4e+03	1.46e+07	4.47e+03	3.3e+03
20	22'34'566'-HpCB	3.05e+07	7.24e+02	4.2e+04	2.98e+07	5.04e+02	5.9e+04
	233'44'55'-HpCB	1.72e+07	8.72e+02	2.0e+04	1.66e+07	9.68e+02	1.7e+04
	22'33'55'66'-OcCB	2.53e+07	1.57e+03	1.6e+04	2.87e+07	7.48e+02	3.8e+04
	233'44'55'6-OcCB	1.76e+07	1.57e+03	1.1e+04	1.99e+07	7.48e+02	2.7e+04
	22'33'4'55'66'-NoCB	1.68e+07	8.44e+02	2.0e+04	2.16e+07	1.14e+03	1.9e+04
25	22'33'44'55'6-NoCB	1.10e+07	2.32e+03	4.7e+03	1.41e+07	3.59e+03	3.9e+03
26	DeCB	2.19e+07	7.76e+02	2.8e+04	1.86e+07	9.40e+02	2.0e+04
	13C-2-MoCB	4.58e+06	1.93e+03	2.4e+03	1.49e+06	3.35e+04	4.4e+01
28	13C-4-MoCB	3.34e+06	1.93e+03	1.7e+03	1.09e+06	3.35e+04	3.2e+01
29	13C-22'-DiCB	2.05e+06	4.35e+03	4.7e+02	1.26e+06	2.13e+03	5.9e+02
30	13C-44'-DiCB	1.95e+06	4.83e+03	4.0e+02	1.23e+06	2.52e+03	4.9e+02
31	13C-22'6'-TrCB	1.34e+06	1.71e+04	7.8e+01	1.28e+06	9.44e+03	1.4e+02
32	13C-344'-TrCB	1.28e+06	1.83e+04	7.0e+01	1.23e+06	9.93e+03	1.2e+02
33	13C-22'66'-TeCB	1.40e+06	2.08e+03	6.7e+02	1.76e+06	8.96e+02	2.0e+03
34	13C-344'5-TeCB	1.08e+06	2.75e+03	3.9e+02	1.40e+06	8.68e+02	1.6e+03
35	13C-33'44'-TeCB	9.99e+05	2.75e+03	3.6e+02	1.30e+06	8.68e+02	1.5e+03
36	13C-22'466'-PeCB	1.65e+06	9.00e+02	1.8e+03	1.08e+06	8.60e+02	1.3e+03
37	13C-2'344'5-PeCB	1.42e+06	3.37e+03	4.2e+02	8.87e+05	5.74e+03	1.5e+02
38	13C-23'44'5-PeCB	1.45e+06	3.37e+03	4.3e+02	9.13e+05	5.74e+03	1.6e+02
	13C-2344'5-PeCB	1.52e+06	3.37e+03	4.5e+02	9.83e+05	5.74e+03	1.7e+02
	13C-233'44'-PeCB	1.33e+06	3.37e+03	3.9e+02	8.55e+05	5.74e+03	1.5e+02
	13C-33'44'5-PeCB	1.17e+06	3.37e+03	3.5e+02	7.41e+05	5.74e+03	1.3e+02
	13C-22'44'66'-HxCB	1.85e+06	9.68e+02	1.9e+03	1.45e+06	1.21e+03	1.2e+03
43	13C-23'44'55'-HxCB	1.23e+06	2.25e+03	5.4e+02	9.70e+05	3.46e+03	2.8e+02
44	13C-233'44'5'-HxCB	1.50e+06	2.25e+03	6.6e+02	1.17e+06	3.46e+03	3.4e+02
45	13C-33'44'55'-HxCB	8.99e+05	2.25e+03	4.0e+02	7.32e+05	3.46e+03	2.1e+02
	13C-22'34'566'-HpCB	1.55e+06	9.76e+02	1.6e+03	1.48e+06	5.72e+02	2.6e+03
47	13C-233'44'55'-HpCB	9.93e+05	1.36e+03	7.3e+02	9.38e+05	1.08e+03	8.7e+02
48	13C-22'33'55'66'-OcCB	1.49e+06	8.72e+02	1.7e+03	1.72e+06	1.34e+03	1.3e+03
49	13C-233'44'55'6-OcCB	9.80e+05	8.72e+02	1.1e+03	1.07e+06	1.34e+03	8.0e+02
50	13C-22'33'4'55'66'-NoCB	9.45e+05	8.92e+02	1.1e+03	1.21e+06	9.92e+02	1.2e+03
51	13C-22'33'44'55'6-NoCB	6.10e+05	7.24e+02	8.4e+02	7.63e+05	6.24e+02	1.2e+03
52	13C-DeCB	1.25e+06	8.16e+02	1.5e+03	1.02e+06	9.24e+02	1.1e+03

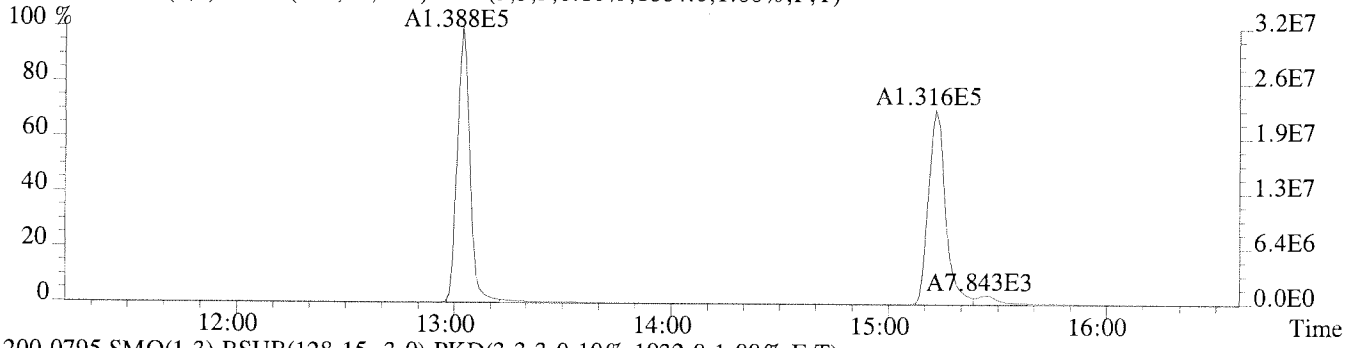
13C-244'-TrCB	1.39e+06	1.83e+04	7.6e+01	1.34e+06	9.93e+03	1.3e+02
13C-233'55'-PeCB	1.64e+06	1.56e+03	1.0e+03	1.03e+06	1.75e+03	5.9e+02
13C-22'33'55'6-HpCB	1.02e+06	9.76e+02	1.0e+03	9.34e+05	5.72e+02	1.6e+03
13C-2,5-DiCB	2.24e+06	4.83e+03	4.6e+02	1.40e+06	2.52e+03	5.6e+02
13C-22'55'-TeCB	1.01e+06	2.28e+03	4.4e+02	1.30e+06	1.40e+03	9.3e+02
13C-22'4'55'-PeCB	1.31e+06	1.56e+03	8.3e+02	8.26e+05	1.75e+03	4.7e+02
13C-22'3'44'5'-HxCB	9.95e+05	9.16e+02	1.1e+03	8.07e+05	9.04e+02	8.9e+02
13C-22'33'44'55'-OcCB	6.91e+05	8.72e+02	7.9e+02	7.87e+05	1.34e+03	5.9e+02

File:U139145 #1-347 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

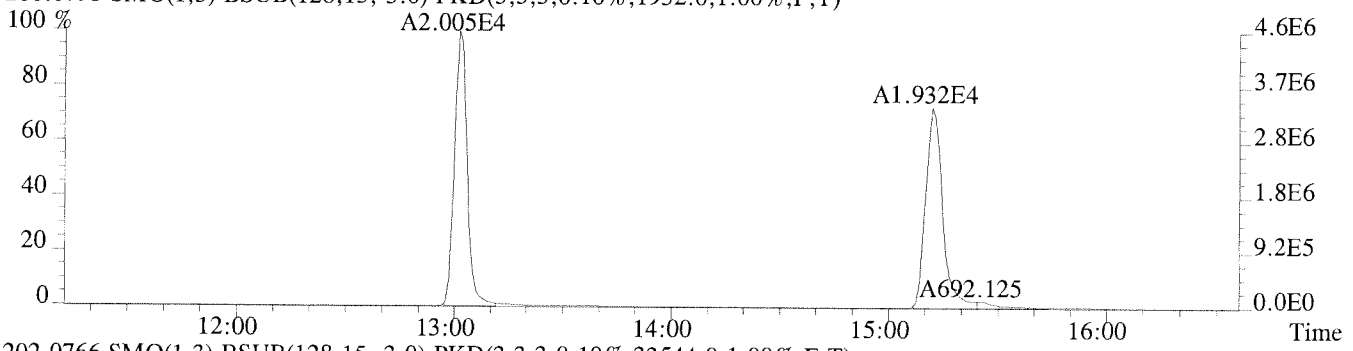
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1368.0,1.00%,F,T)



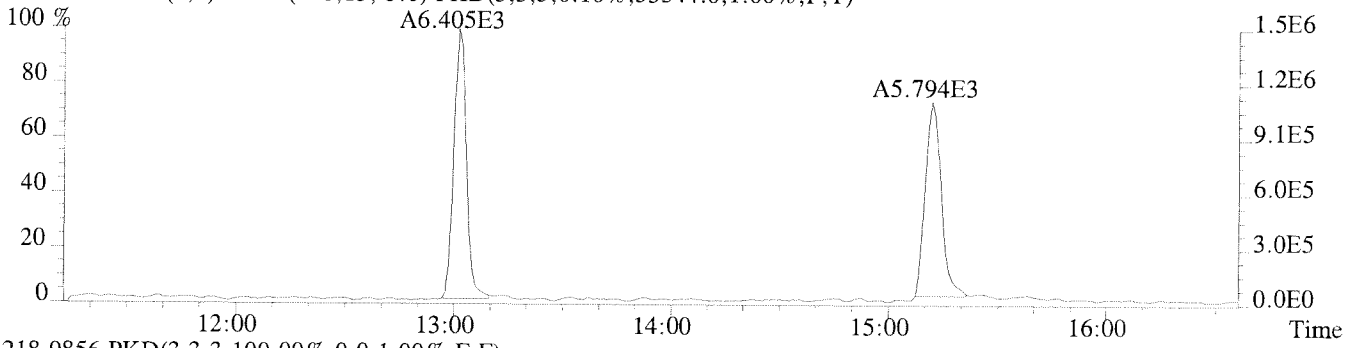
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1884.0,1.00%,F,T)



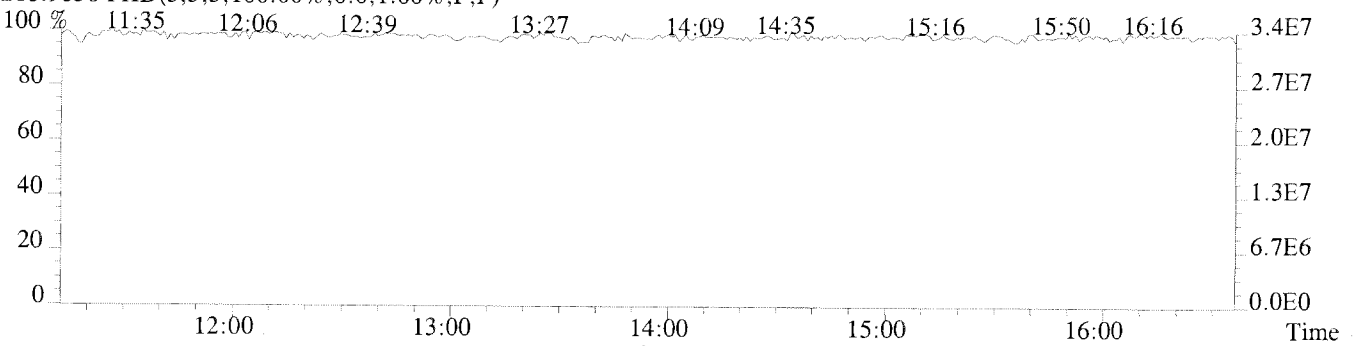
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1932.0,1.00%,F,T)



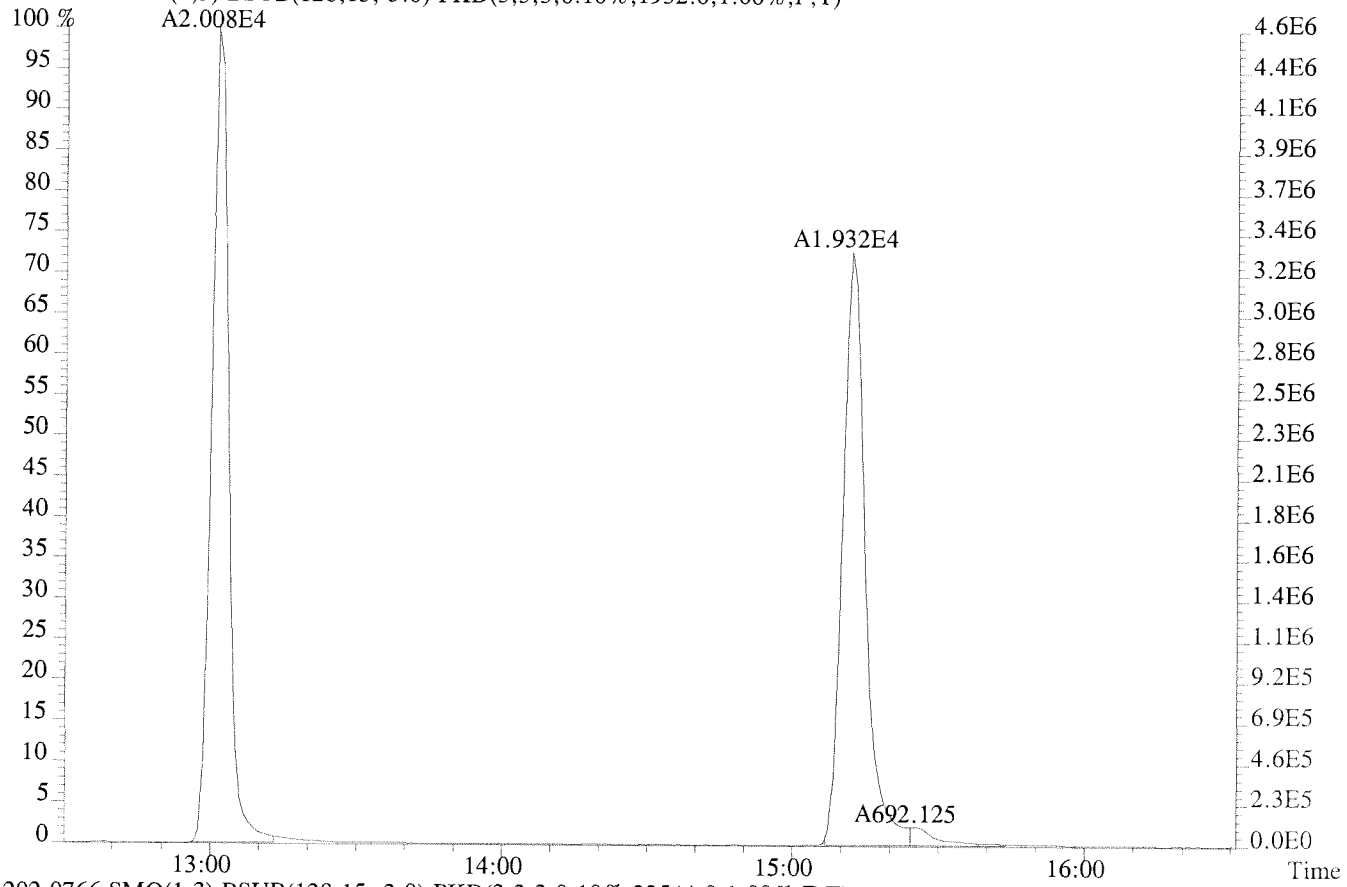
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,33544.0,1.00%,F,T)



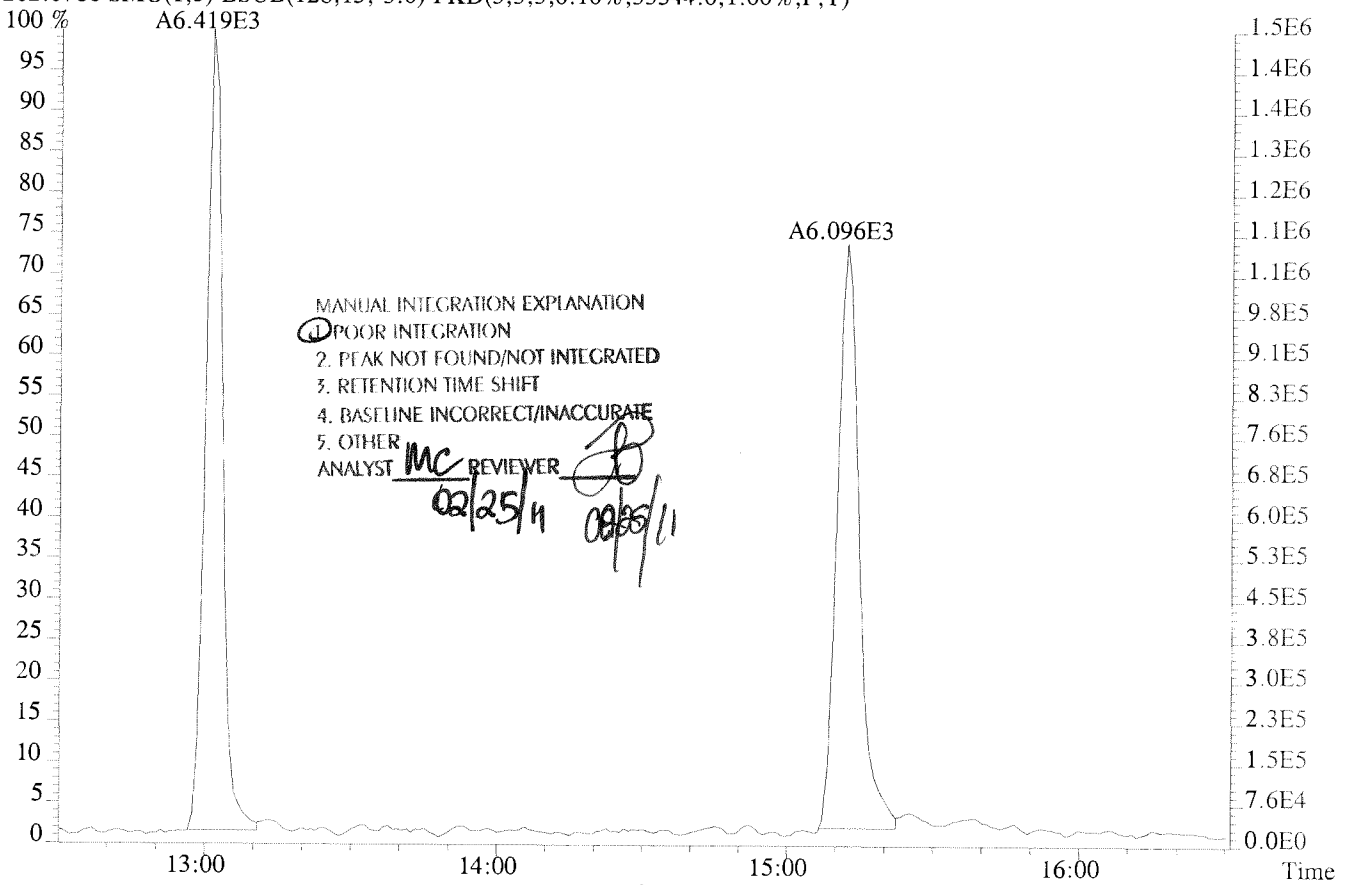
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139145 #1-347 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1932.0,1.00%,F,T)



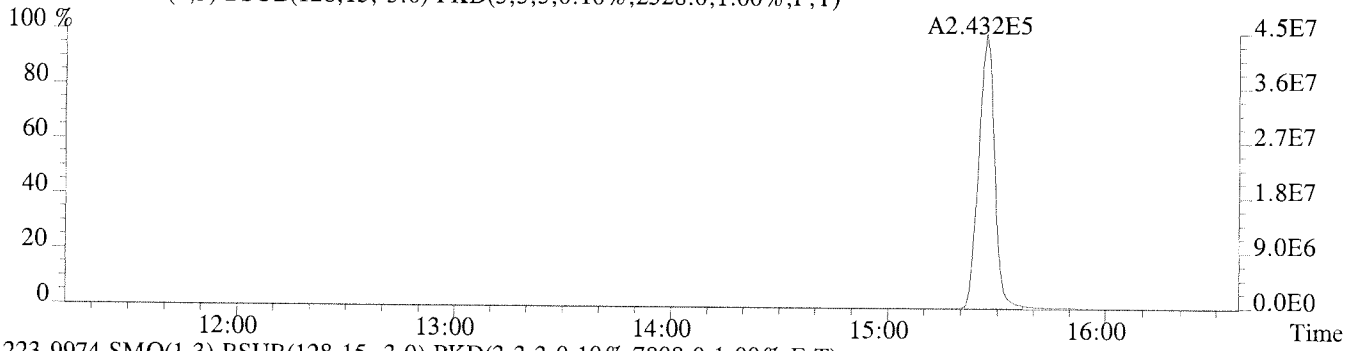
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,33544.0,1.00%,F,T)



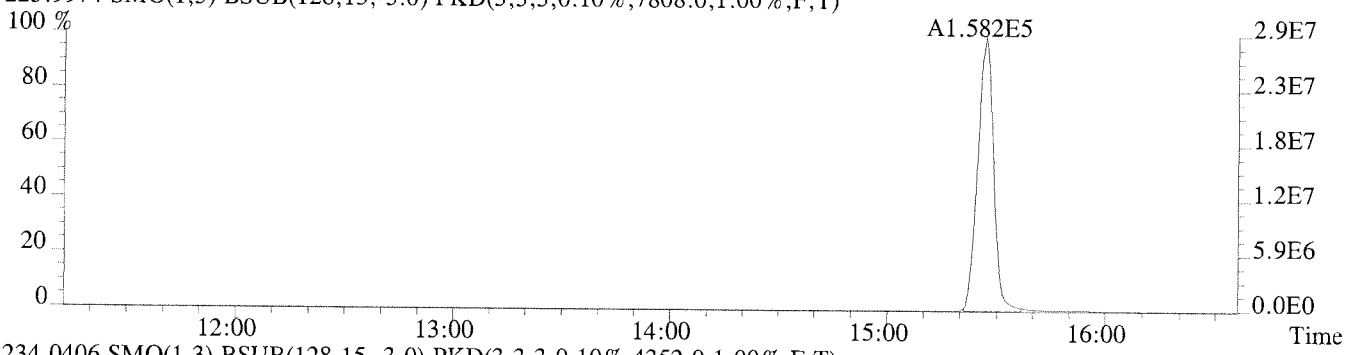
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST MC REVIEWER
02/25/11 03/05/11

File:U139145 #1-347 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

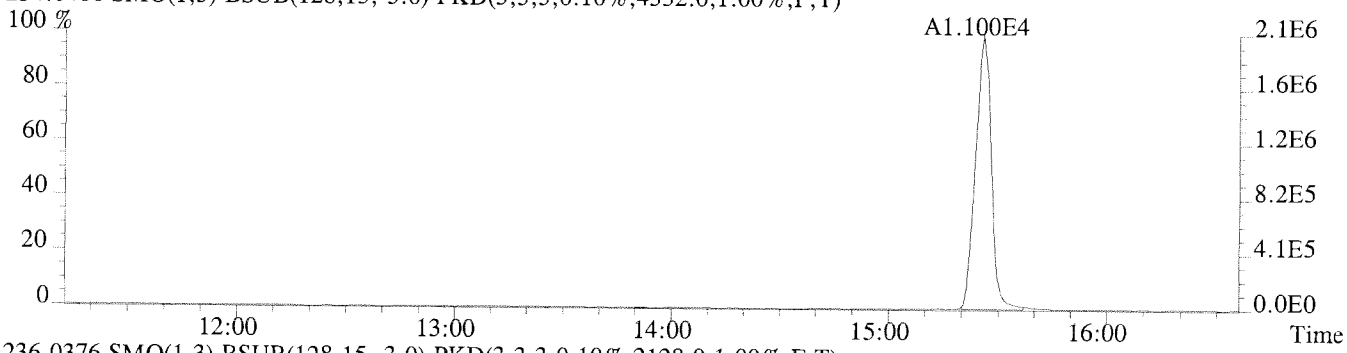
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2528.0,1.00%,F,T)



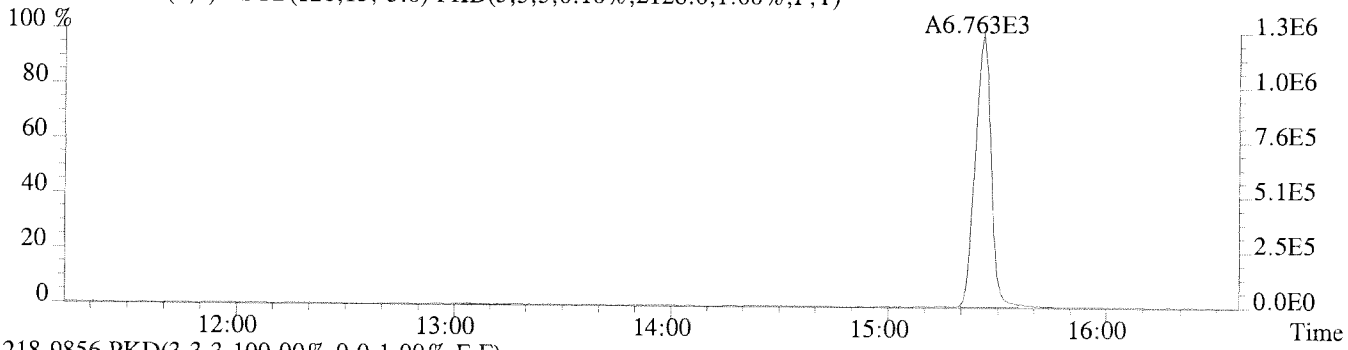
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7808.0,1.00%,F,T)



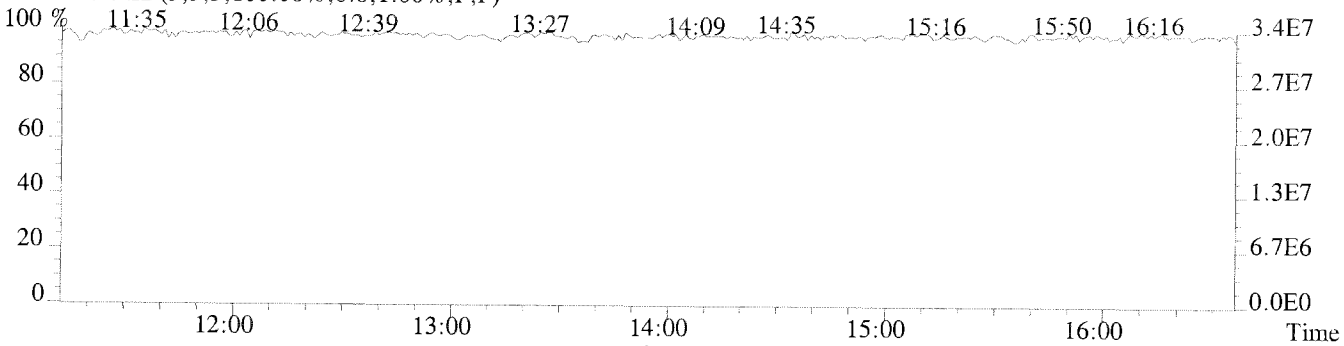
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4352.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2128.0,1.00%,F,T)

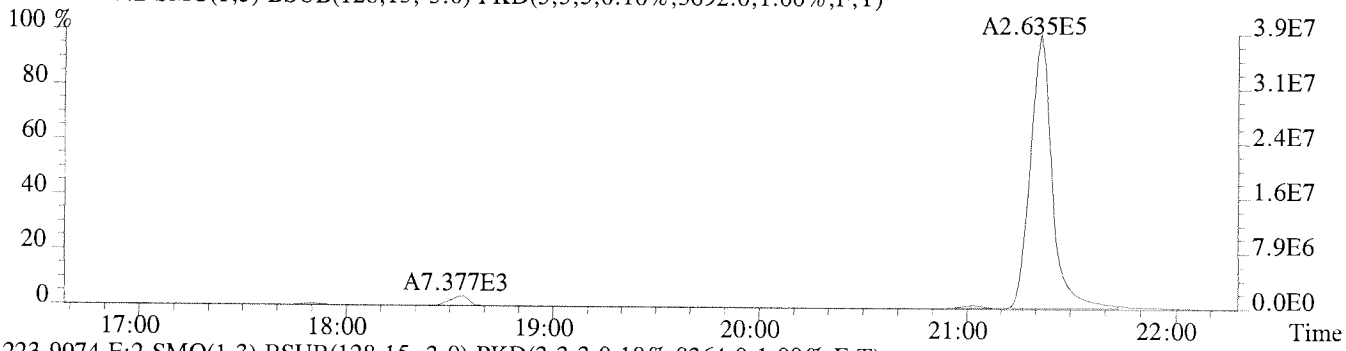


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

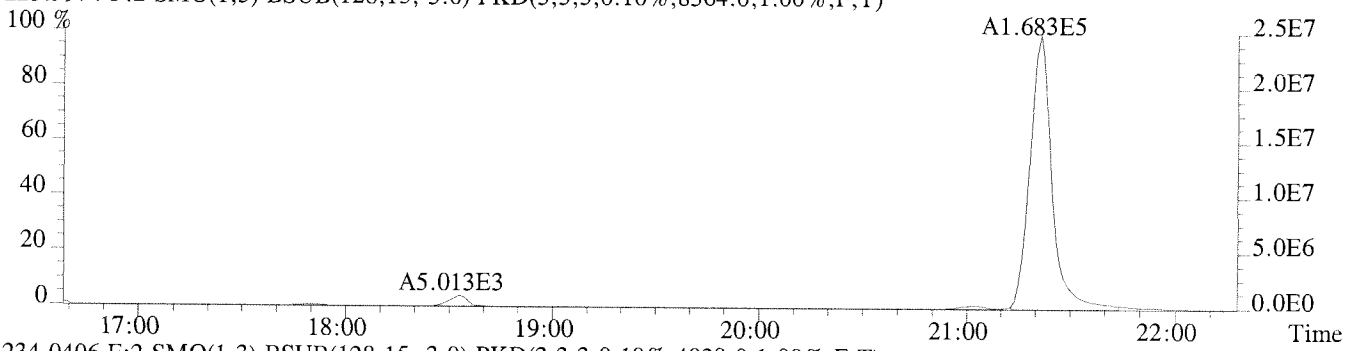


File:U139145 #1-313 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

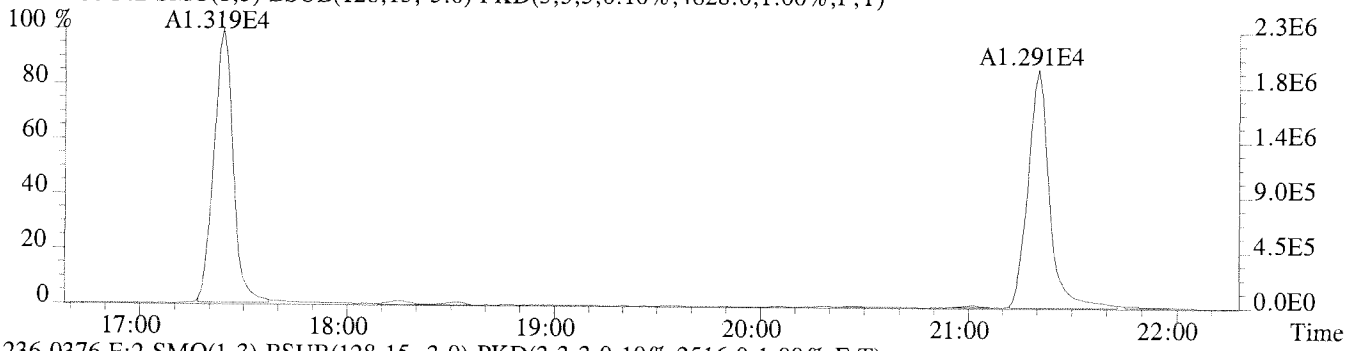
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5692.0,1.00%,F,T)



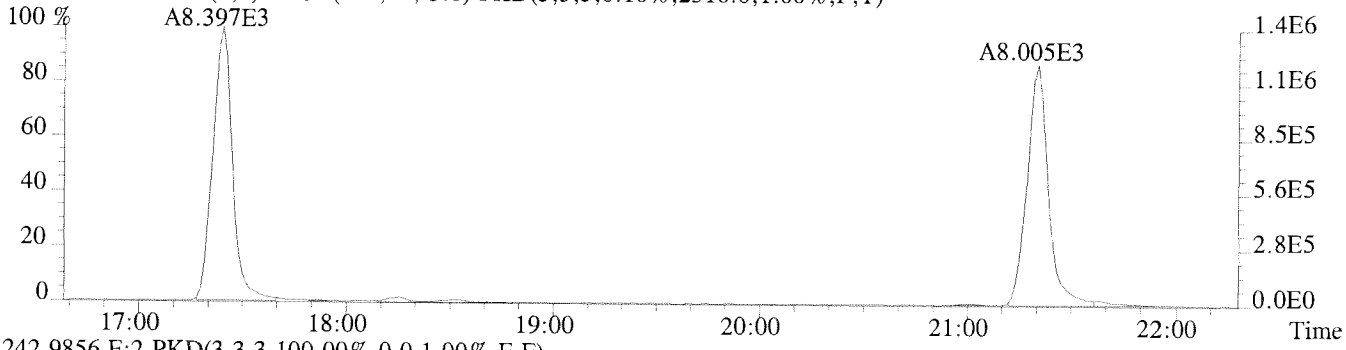
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,8364.0,1.00%,F,T)



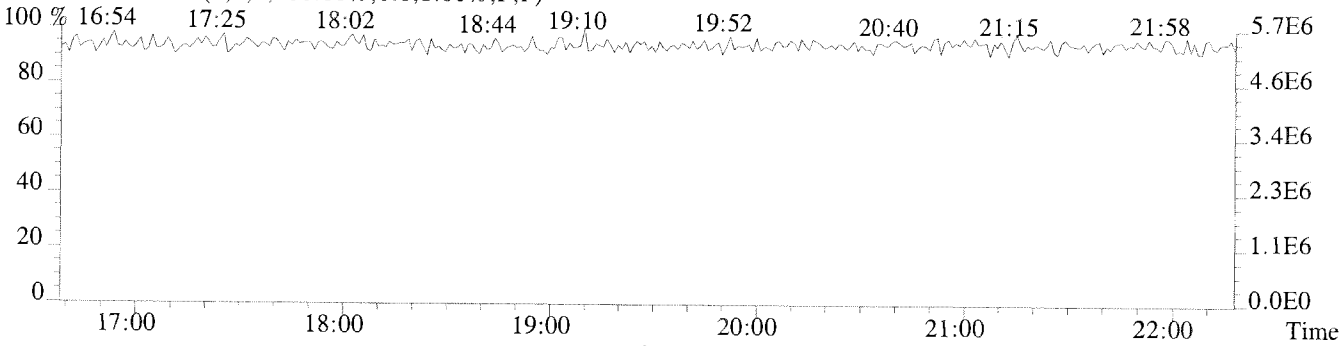
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4828.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2516.0,1.00%,F,T)

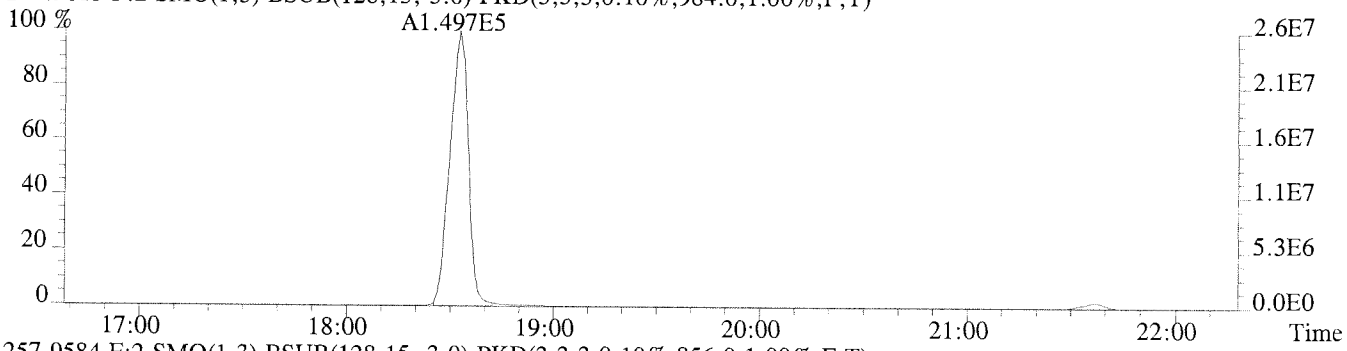


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

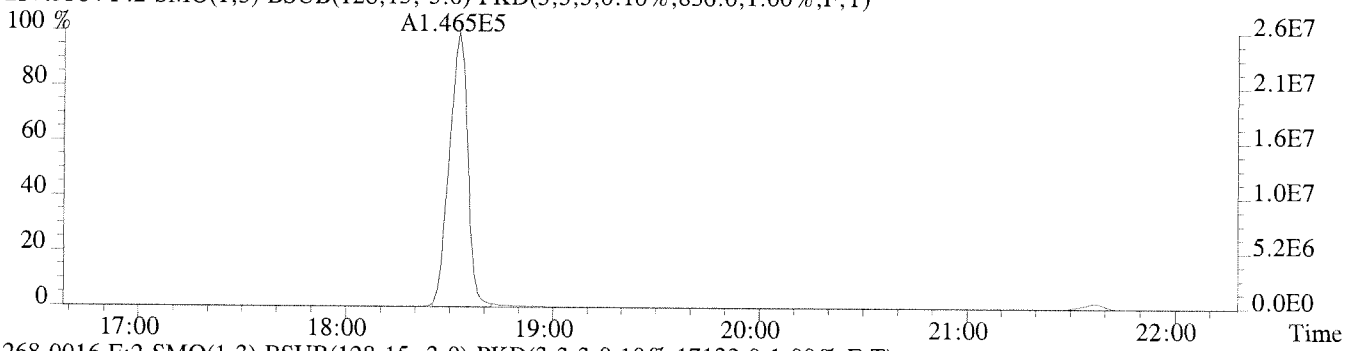


File:U139145 #1-313 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

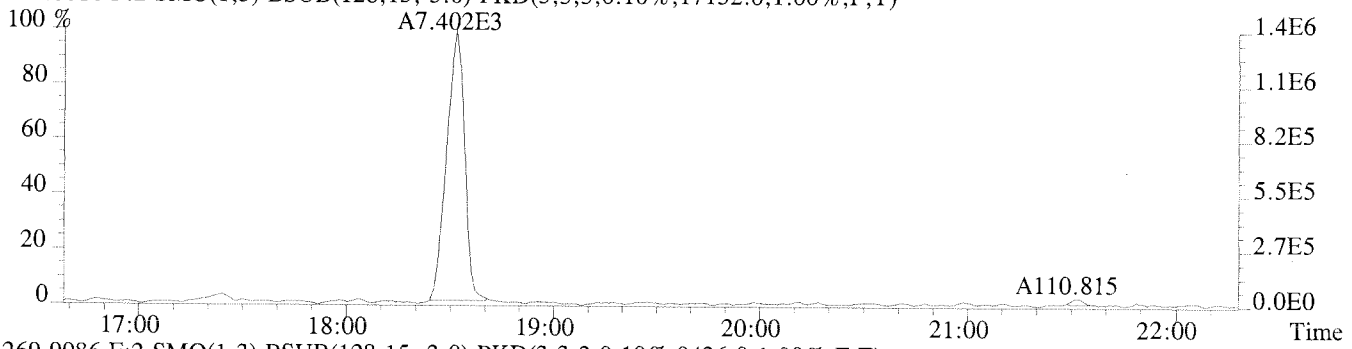
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,984.0,1.00%,F,T)



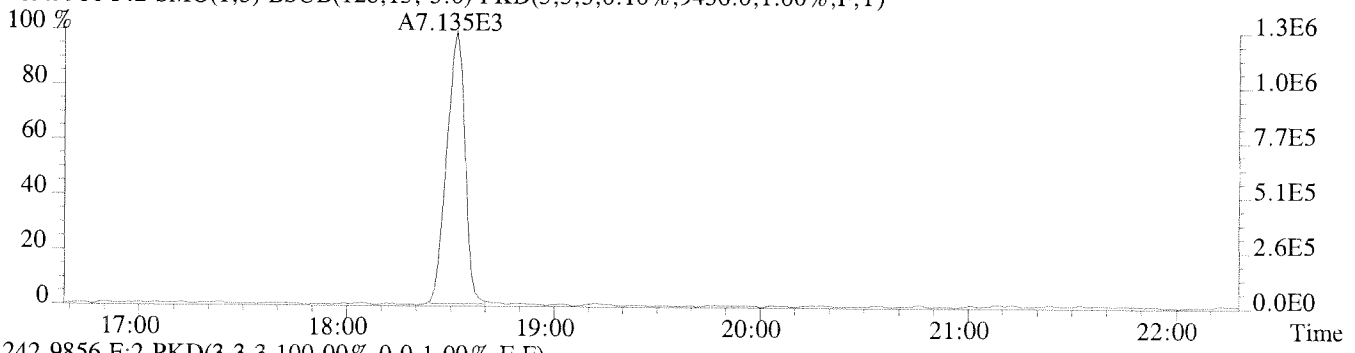
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,856.0,1.00%,F,T)



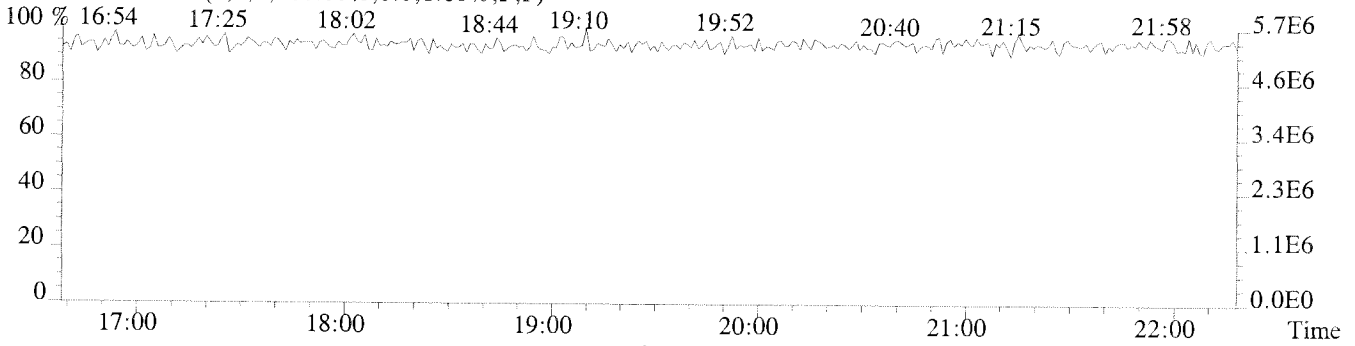
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,17132.0,1.00%,F,T)



269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9436.0,1.00%,F,T)

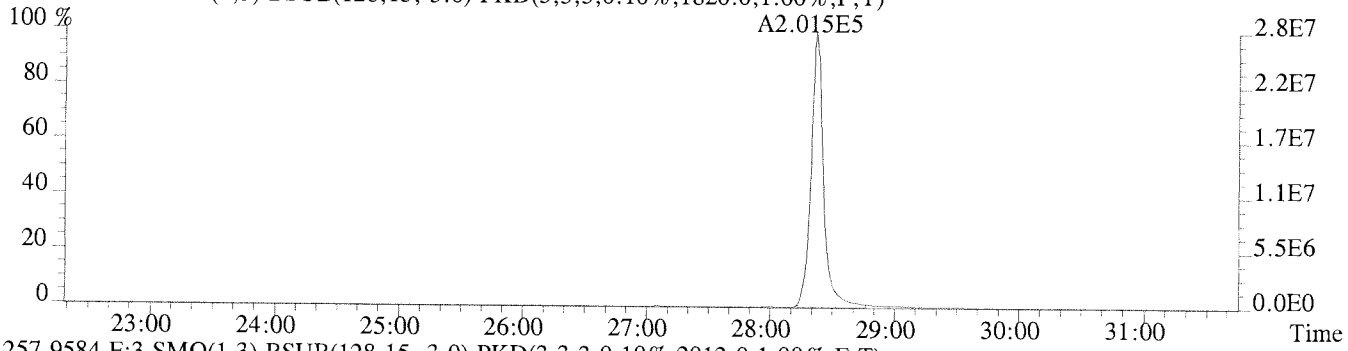


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

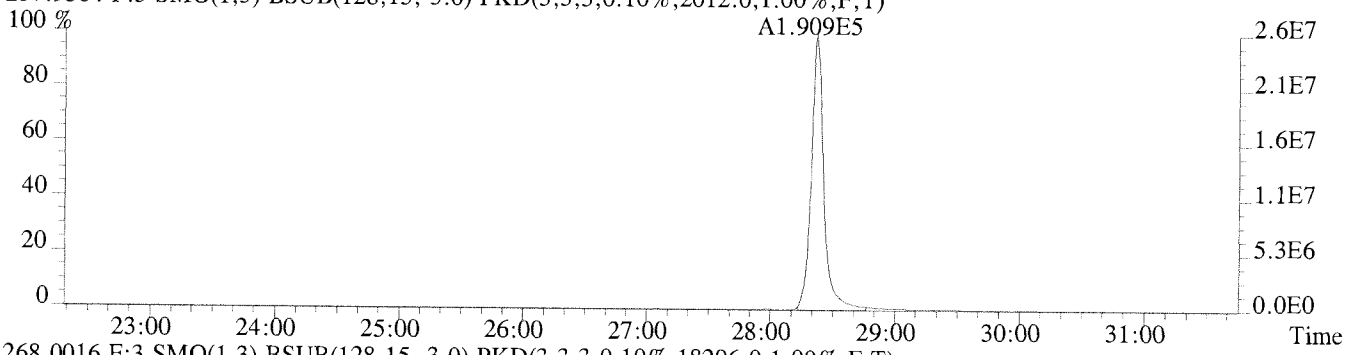


File:U139145 #1-604 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

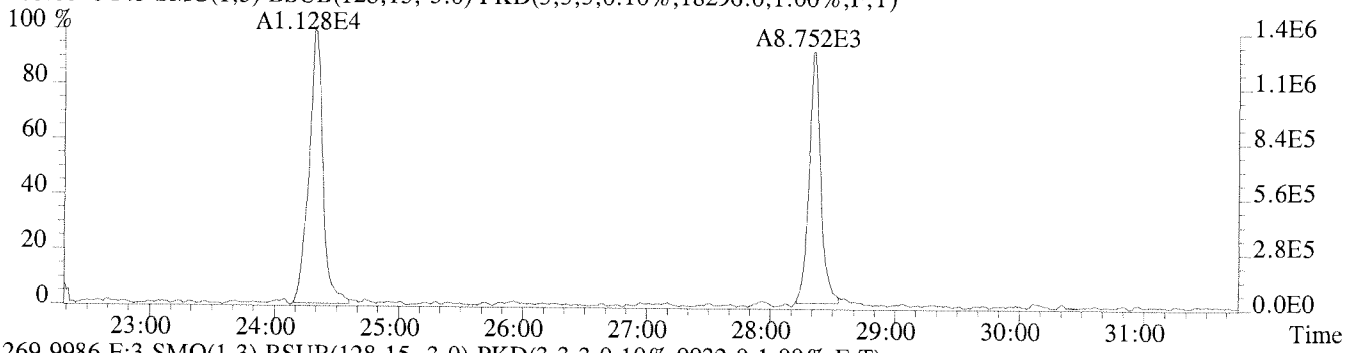
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1820.0,1.00%,F,T)



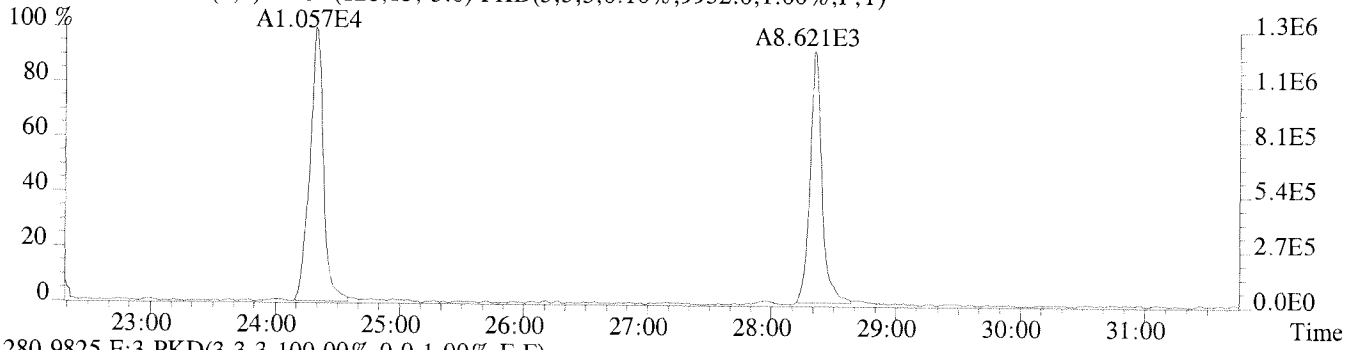
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2012.0,1.00%,F,T)



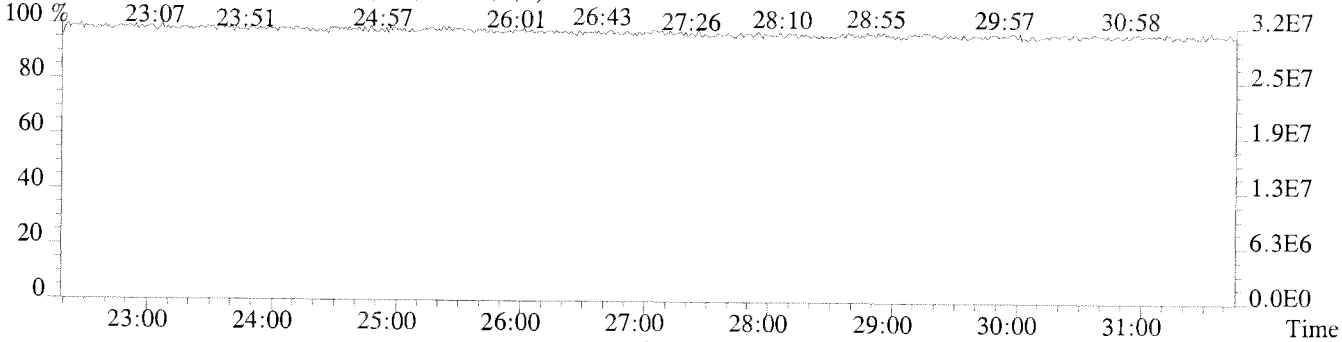
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18296.0,1.00%,F,T)



269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,9932.0,1.00%,F,T)

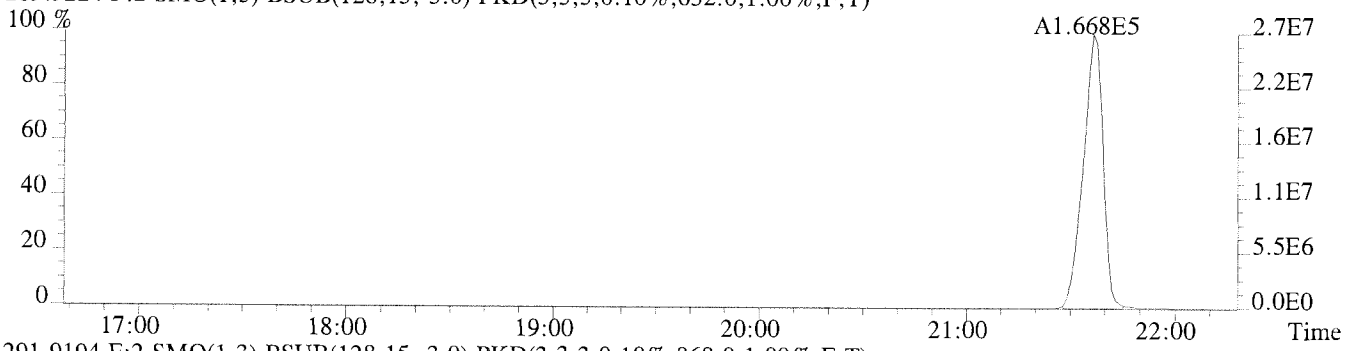


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

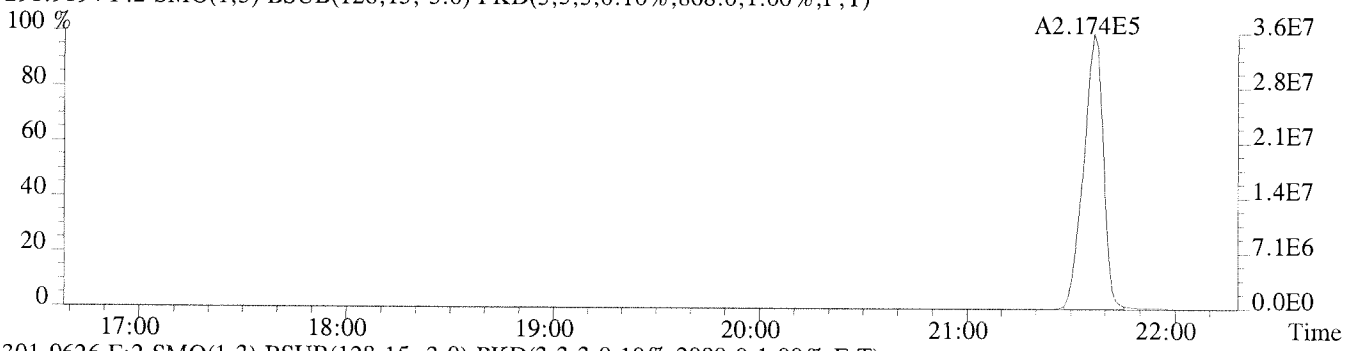


File:U139145 #1-313 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

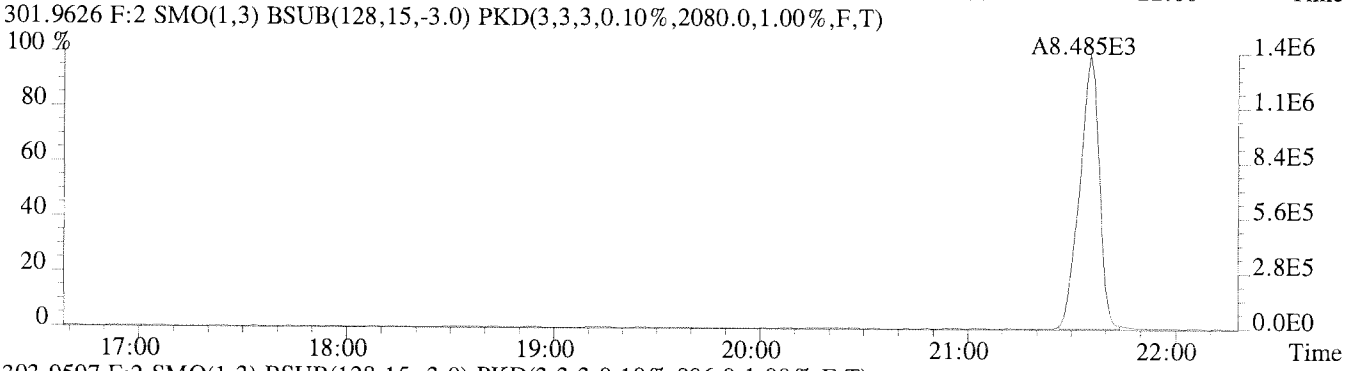
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,632.0,1.00%,F,T)



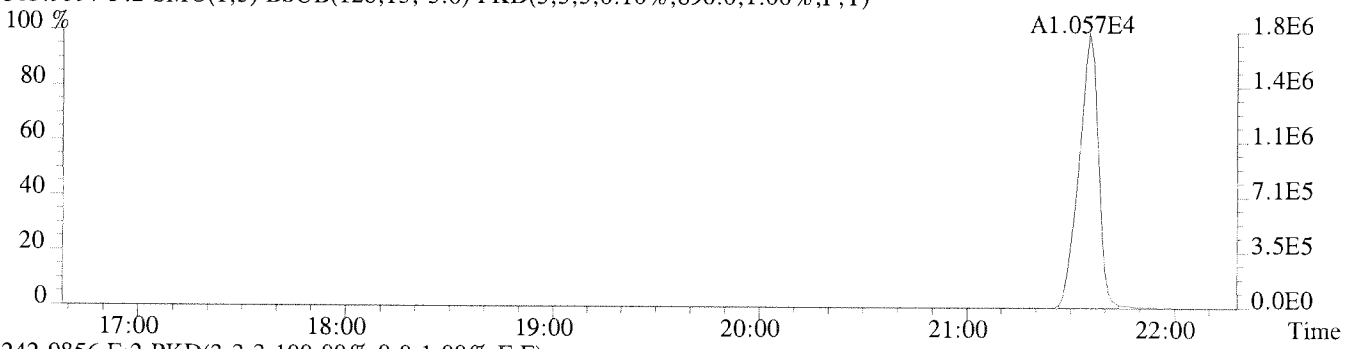
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



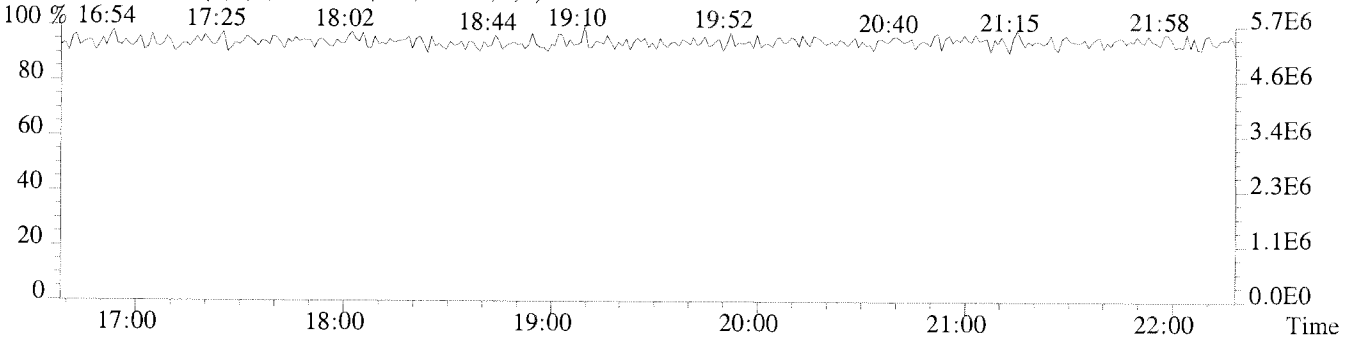
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2080.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,896.0,1.00%,F,T)

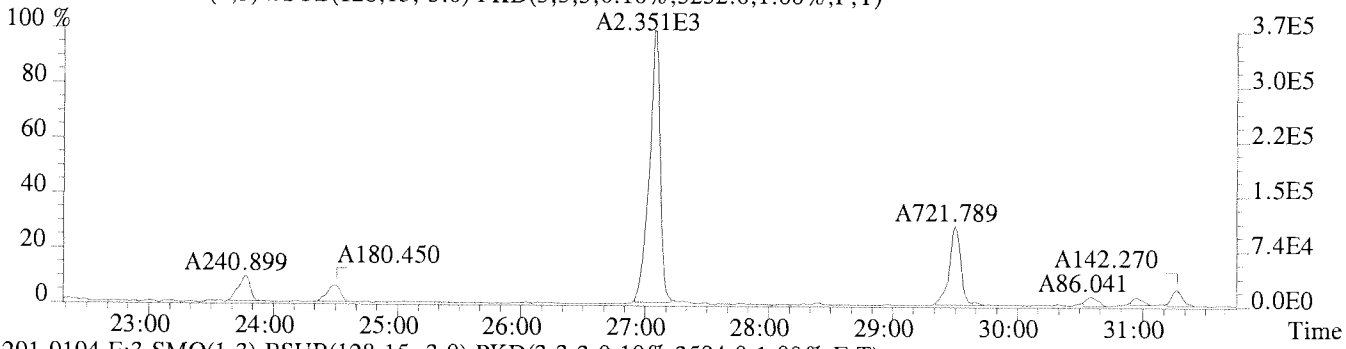


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

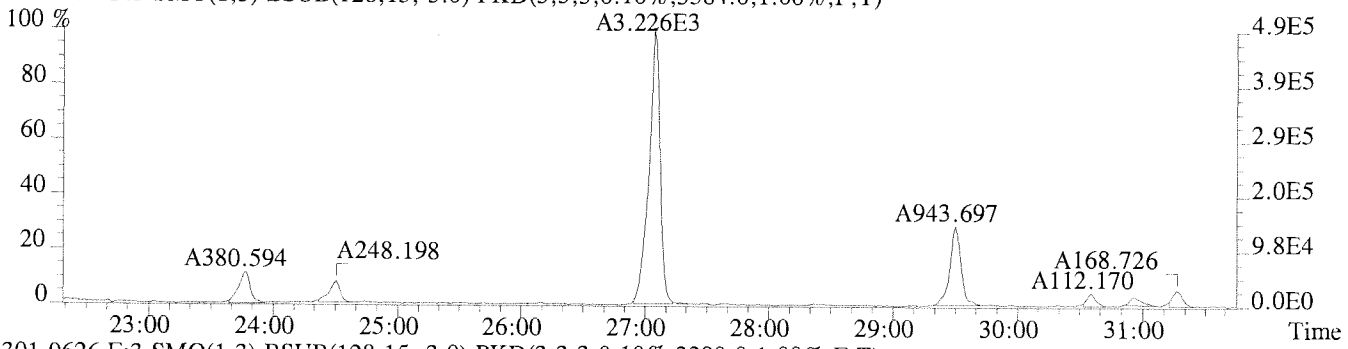


File:U139145 #1-604 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

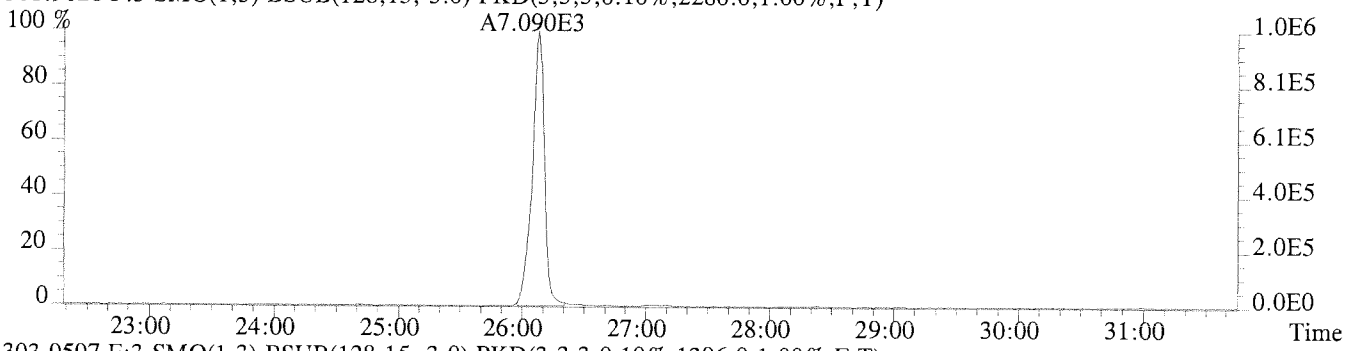
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3232.0,1.00%,F,T)



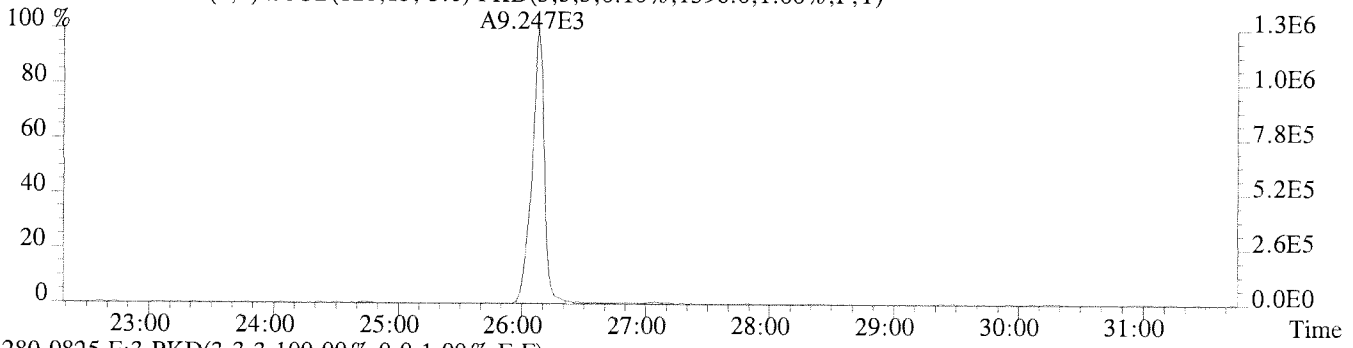
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3584.0,1.00%,F,T)



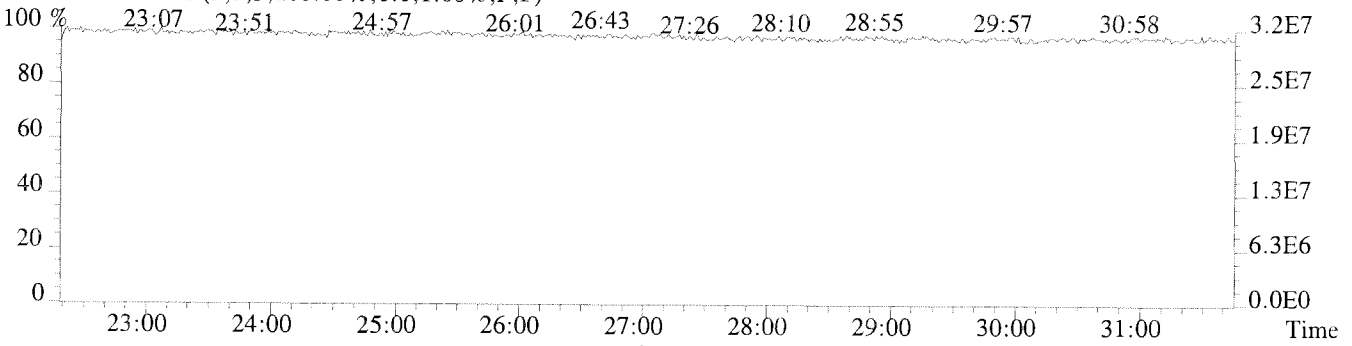
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2280.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1396.0,1.00%,F,T)

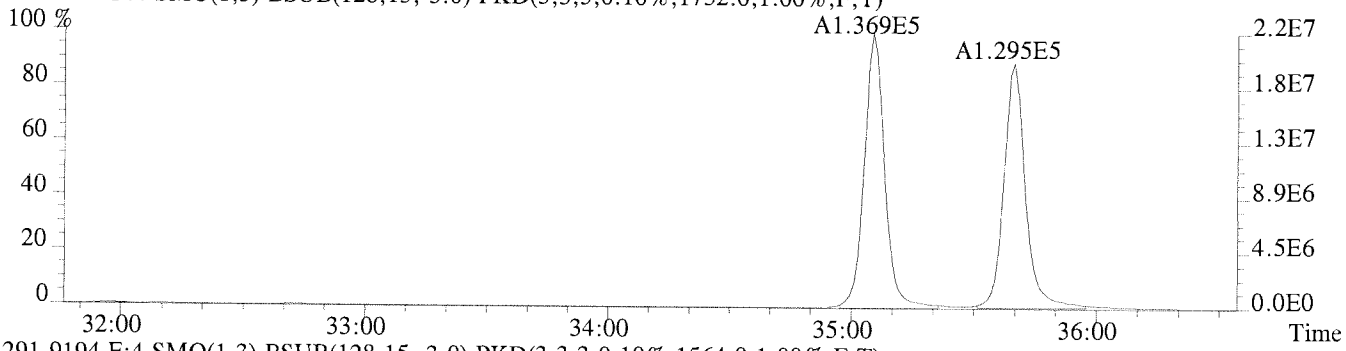


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

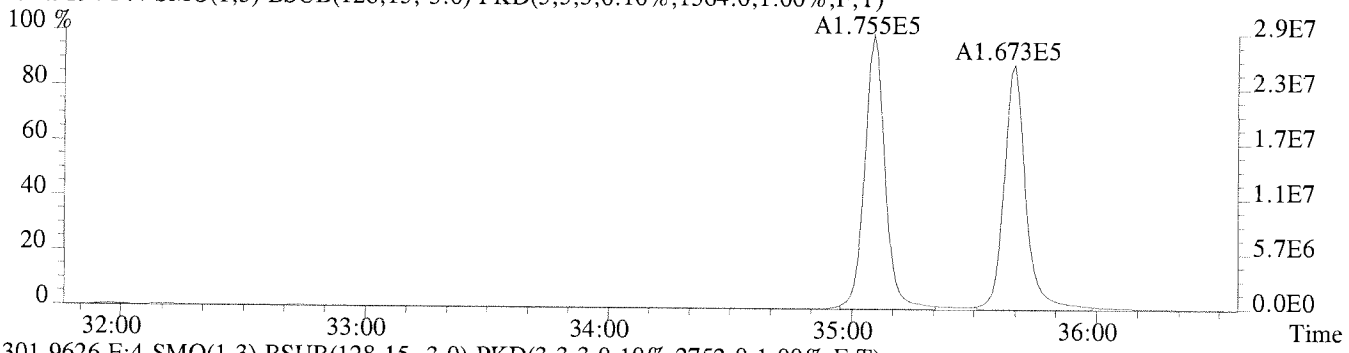


File:U139145 #1-308 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

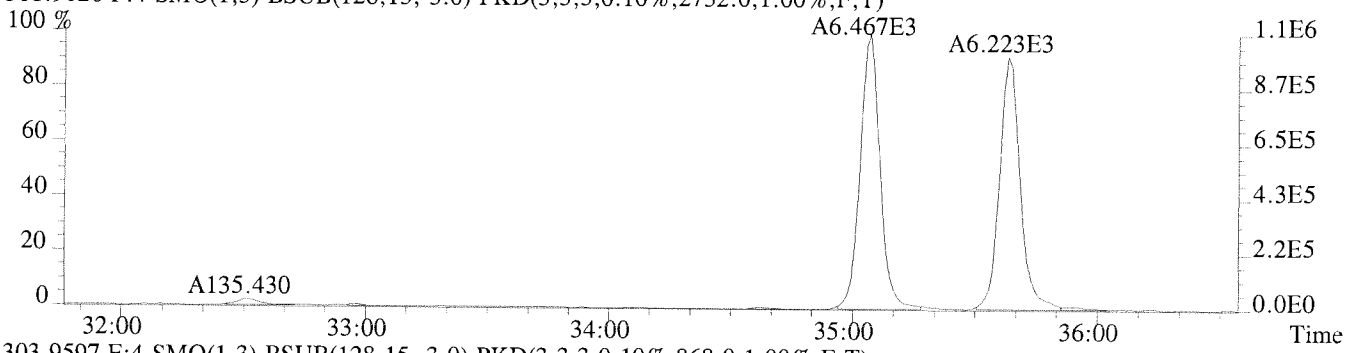
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1752.0,1.00%,F,T)



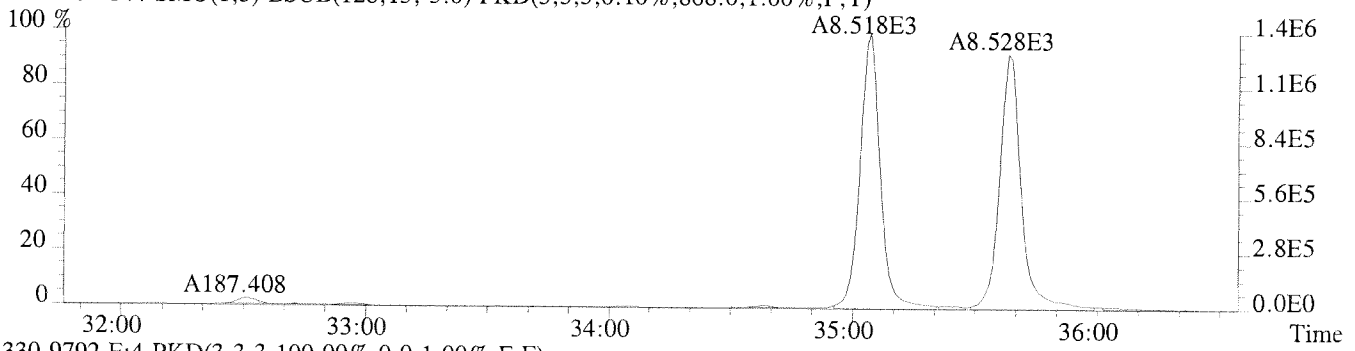
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1564.0,1.00%,F,T)



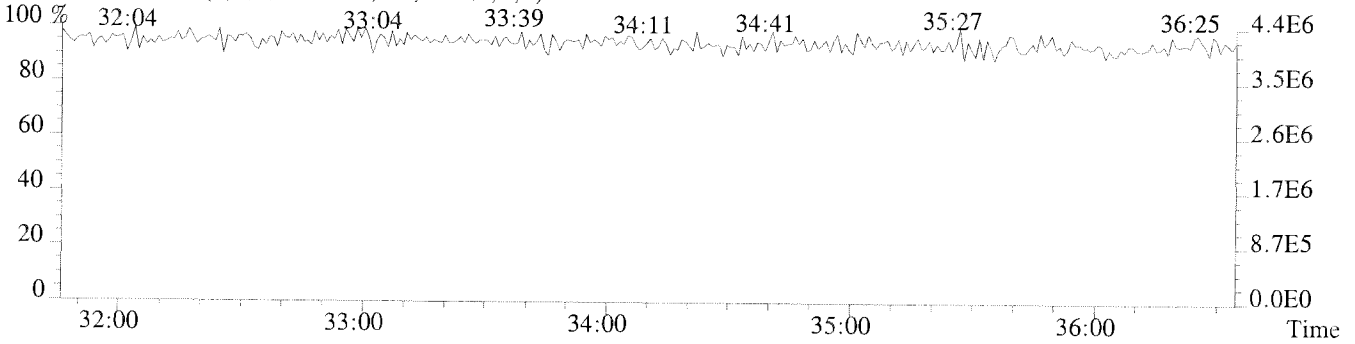
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2752.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)

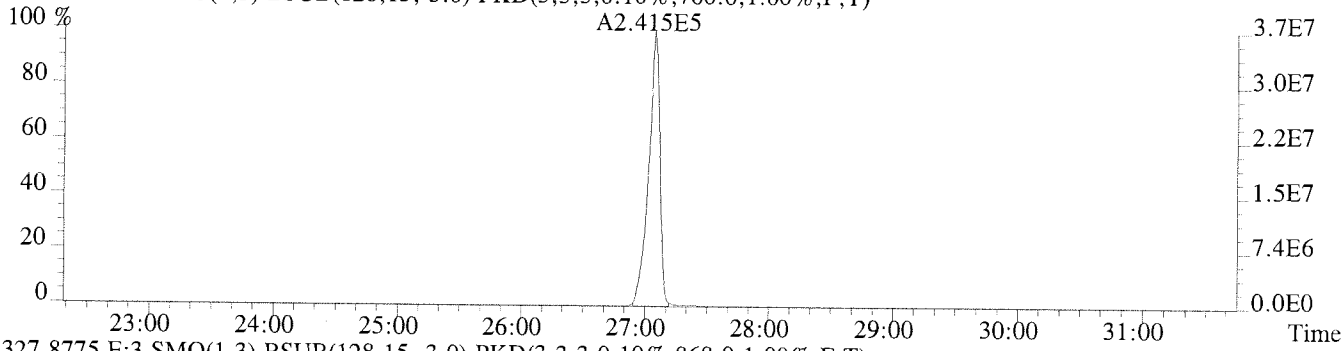


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

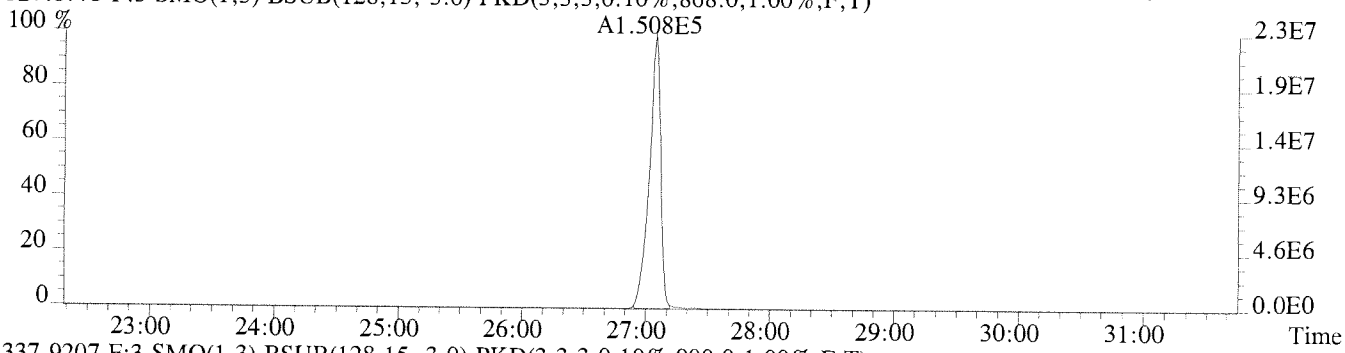


File:U139145 #1-604 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

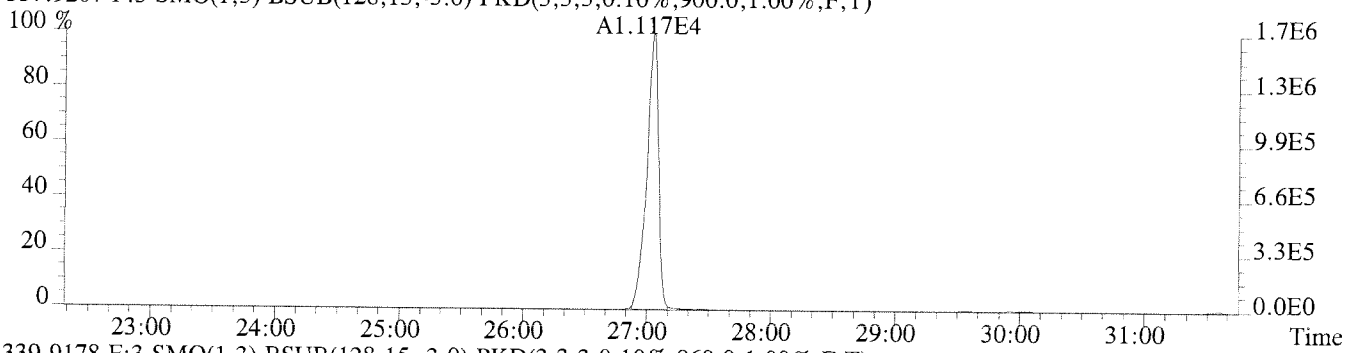
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,760.0,1.00%,F,T)



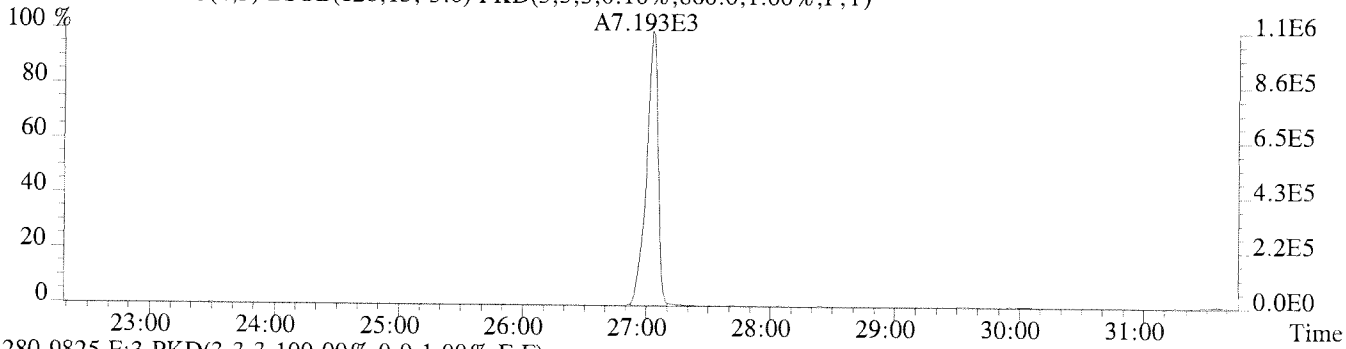
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,868.0,1.00%,F,T)



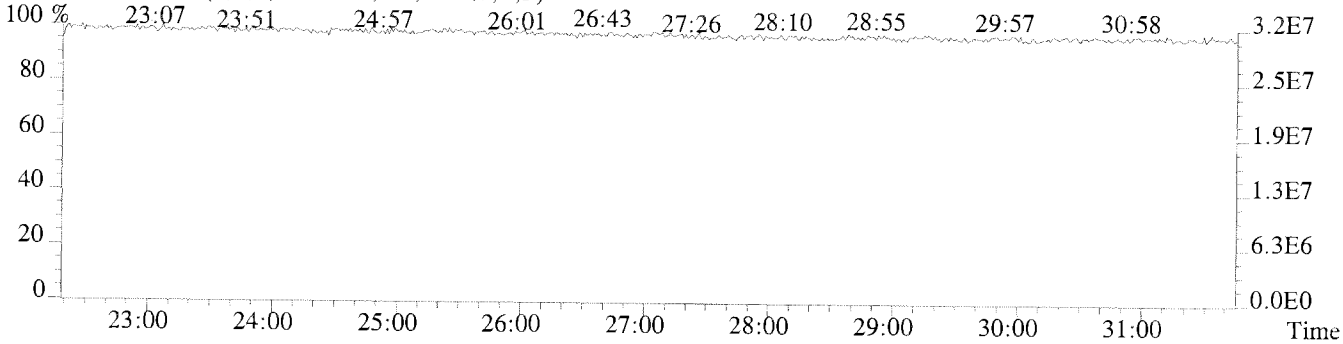
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,900.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,860.0,1.00%,F,T)

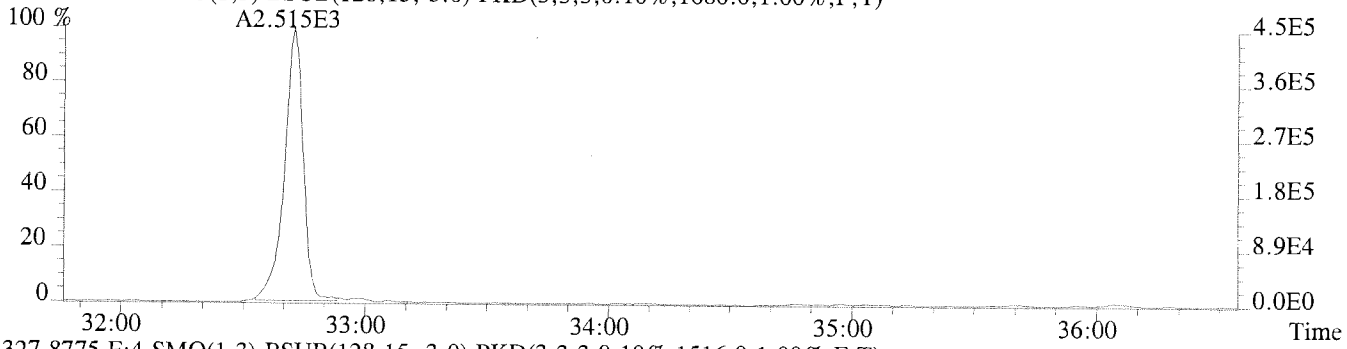


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

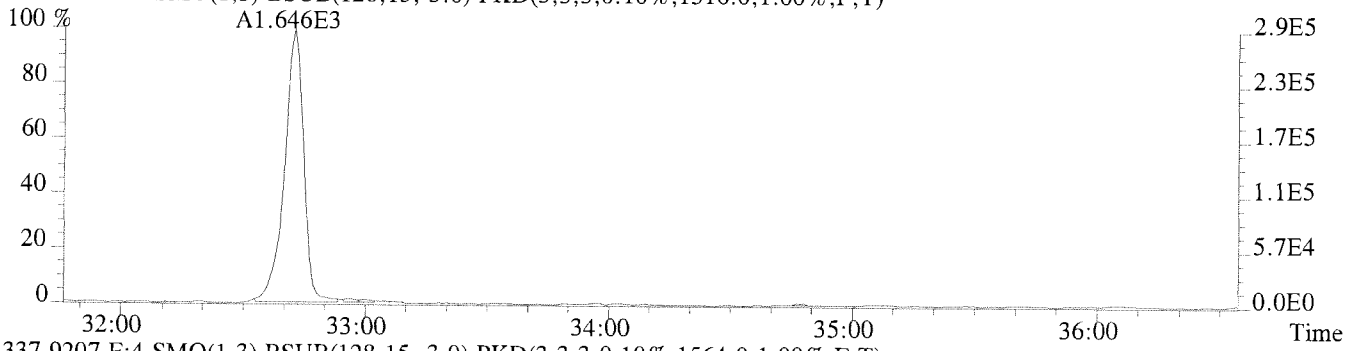


File:U139145 #1-308 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

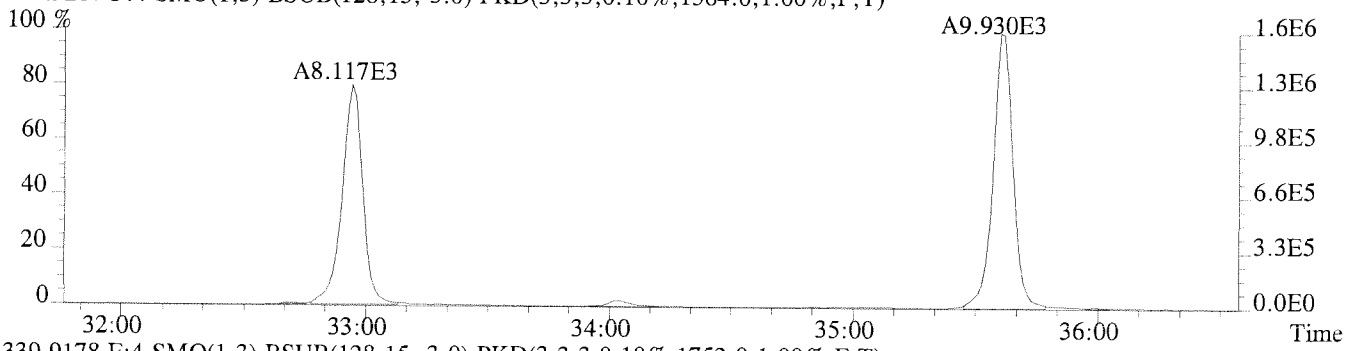
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1680.0,1.00%,F,T)



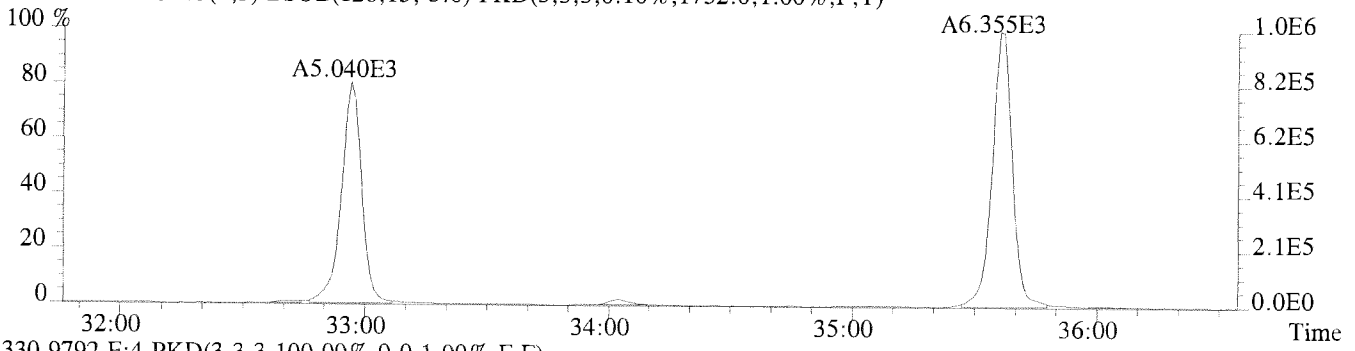
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1516.0,1.00%,F,T)



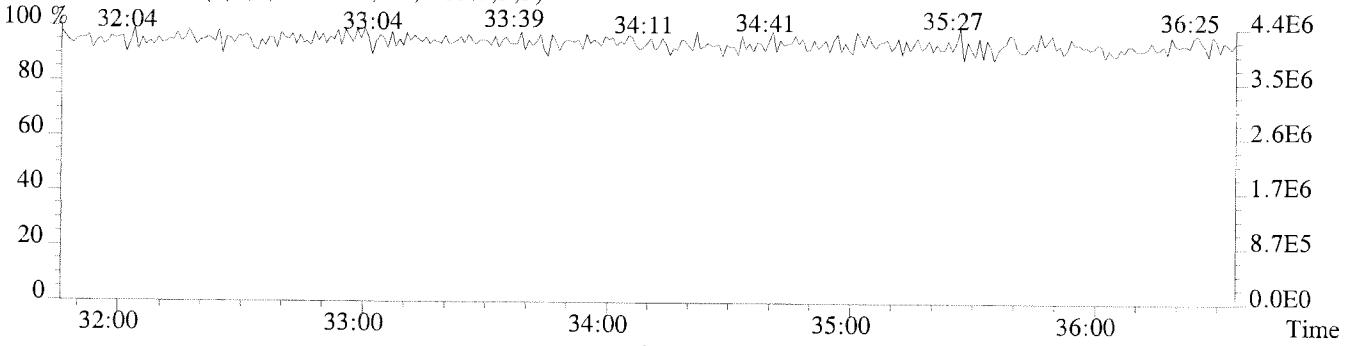
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1564.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1752.0,1.00%,F,T)

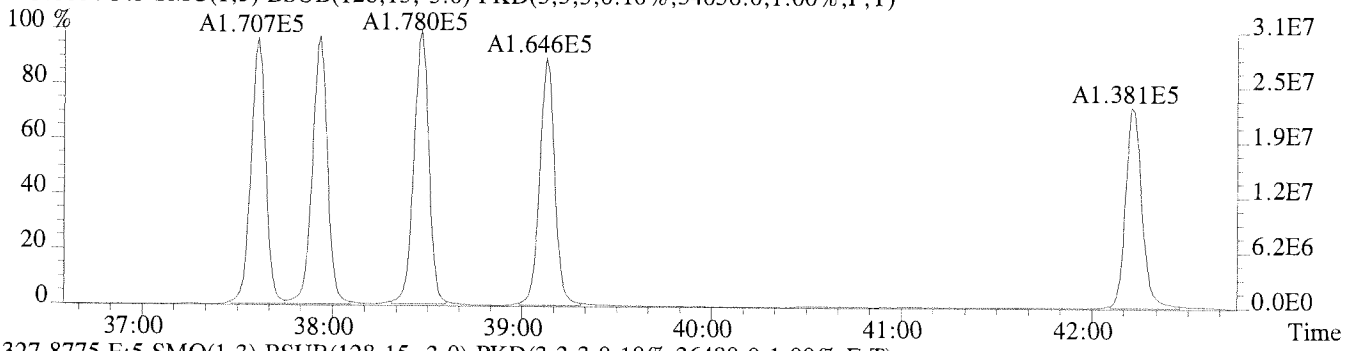


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

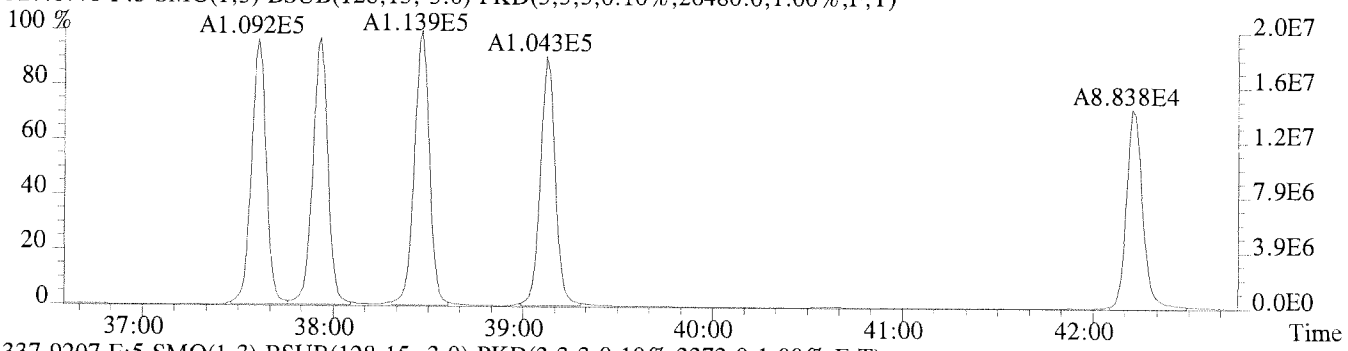


File:U139145 #1-395 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

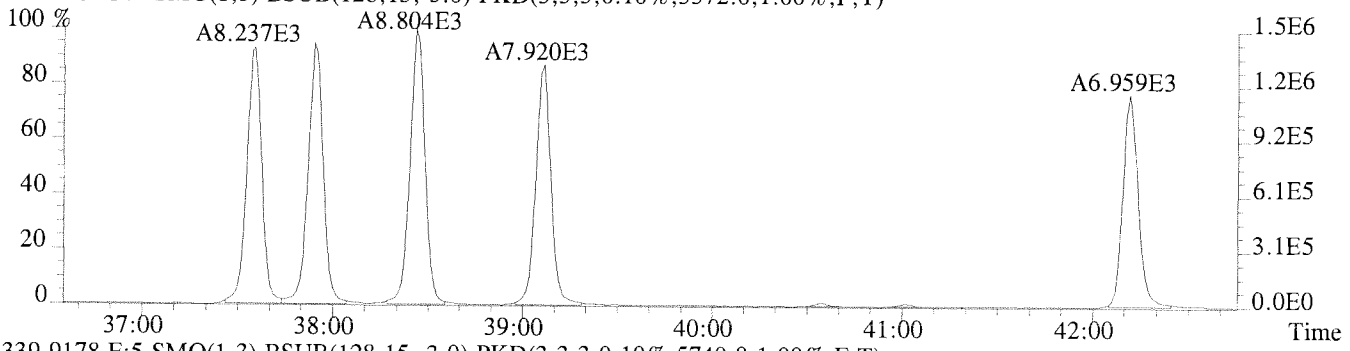
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,54056.0,1.00%,F,T)



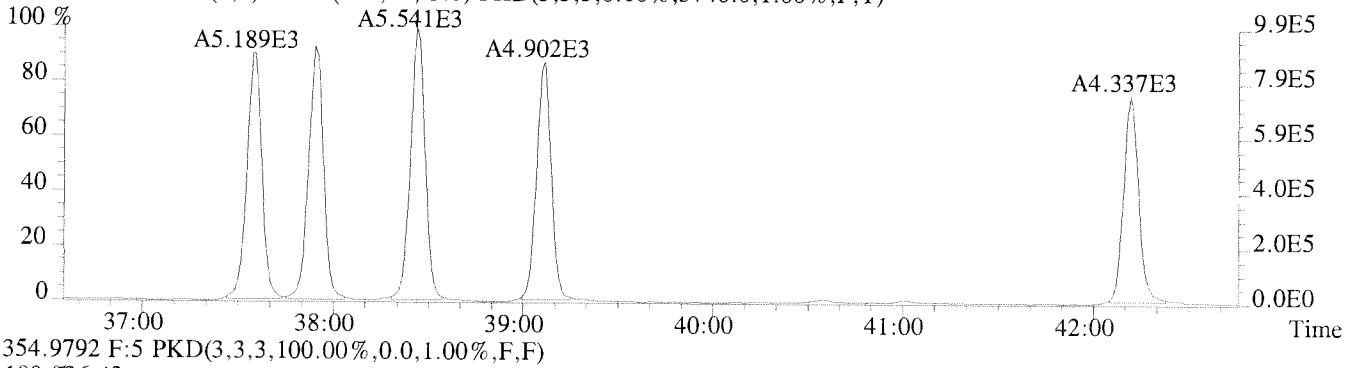
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,26480.0,1.00%,F,T)



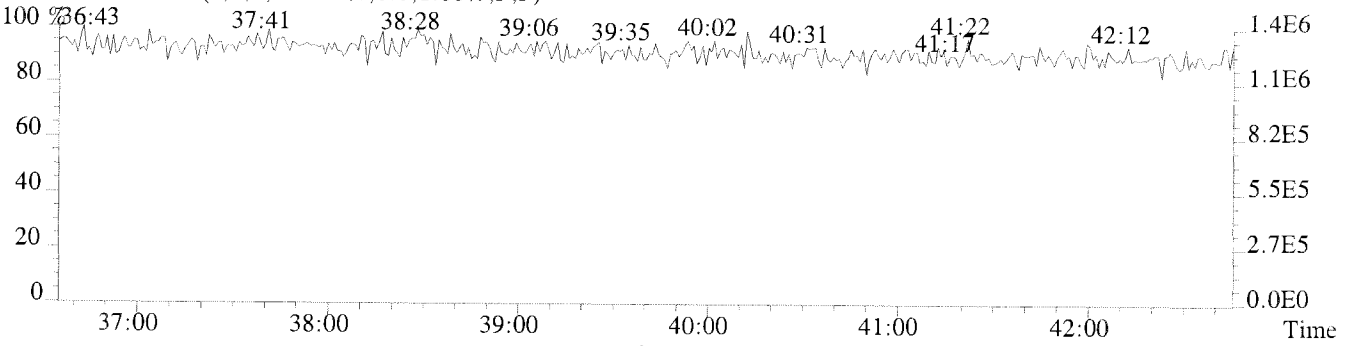
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3372.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5740.0,1.00%,F,T)

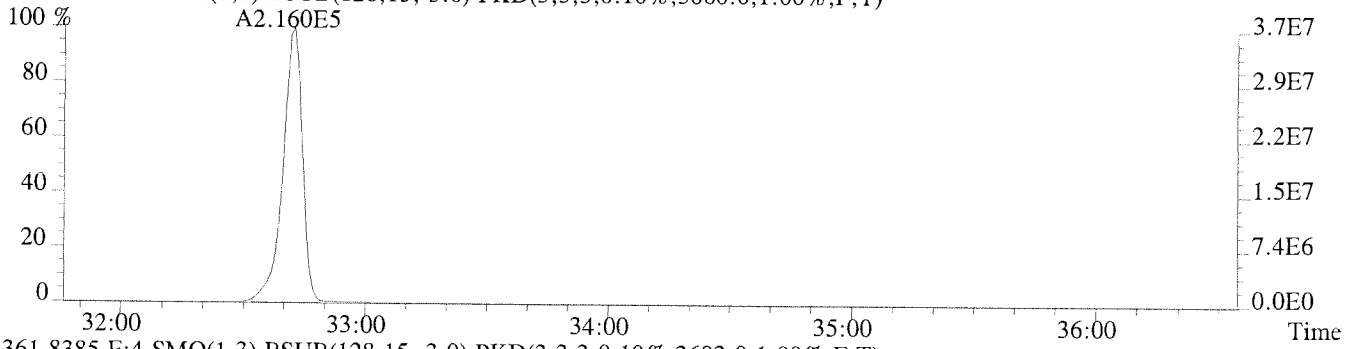


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

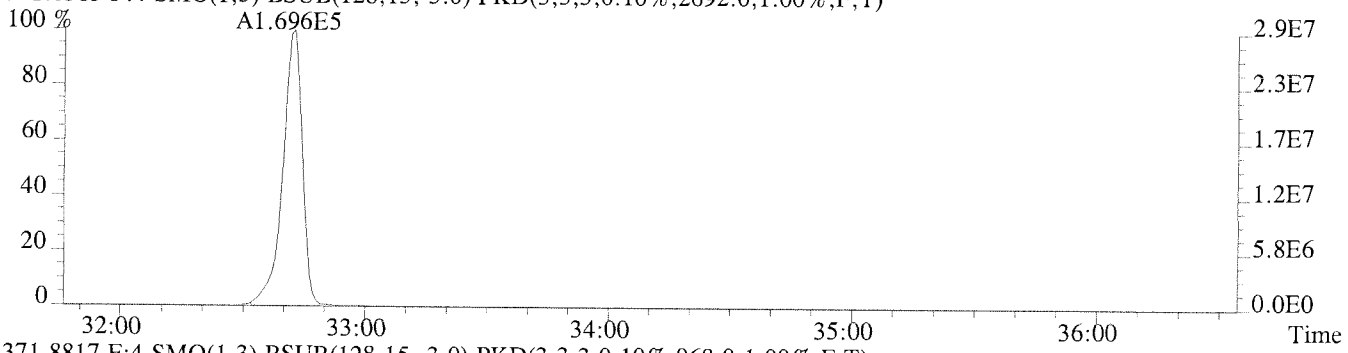


File:U139145 #1-308 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

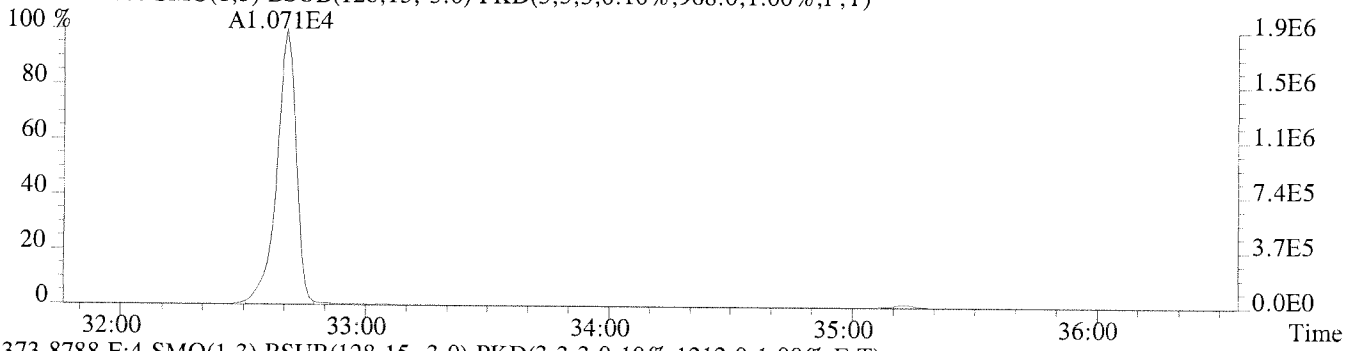
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5060.0,1.00%,F,T)



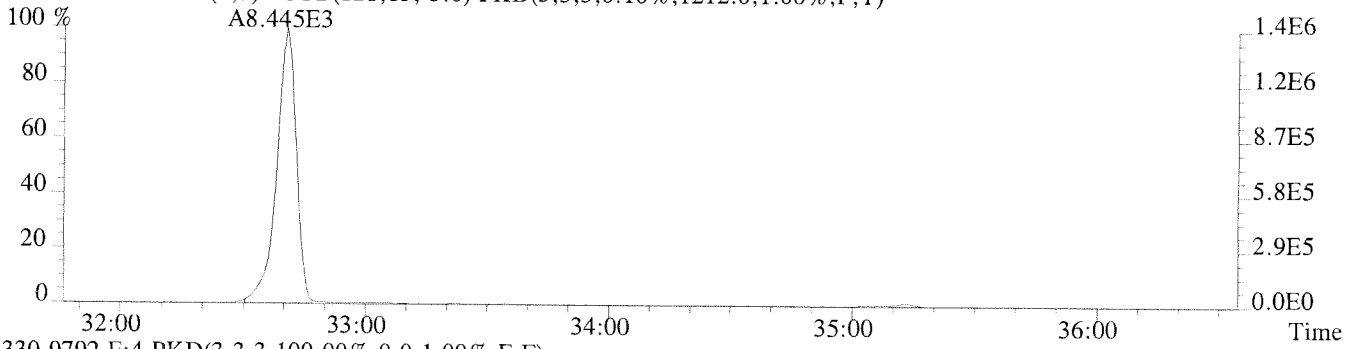
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2692.0,1.00%,F,T)



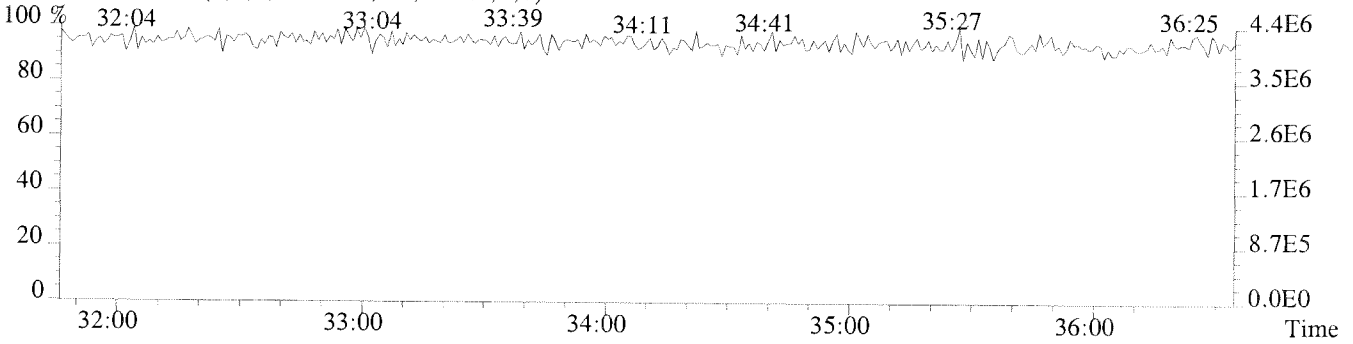
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1212.0,1.00%,F,T)

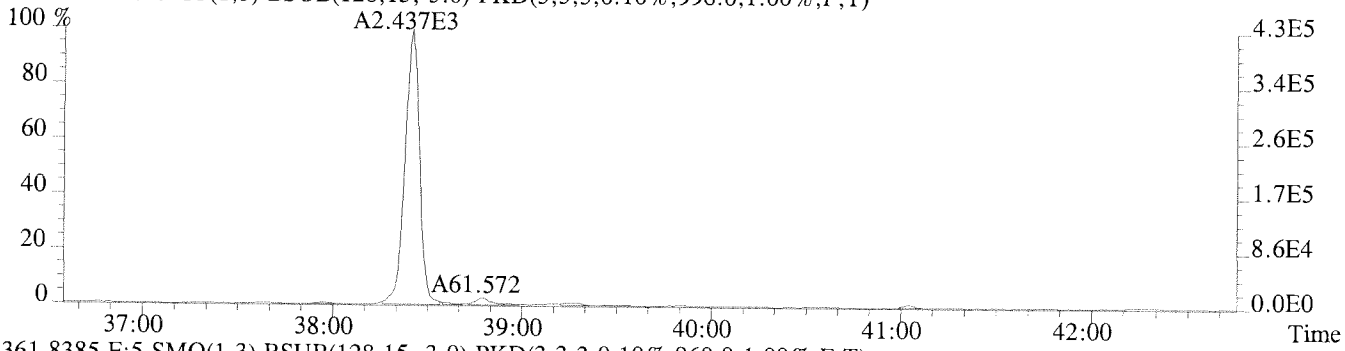


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

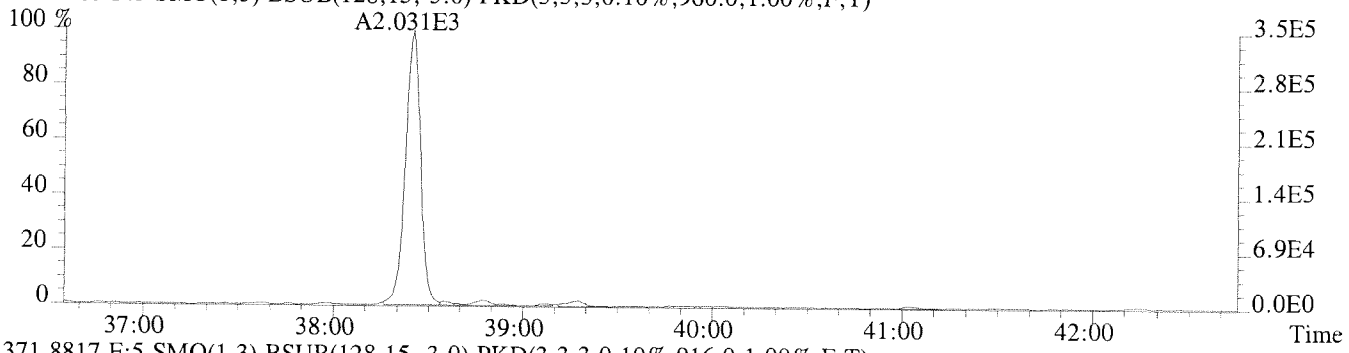


File:U139145 #1-395 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

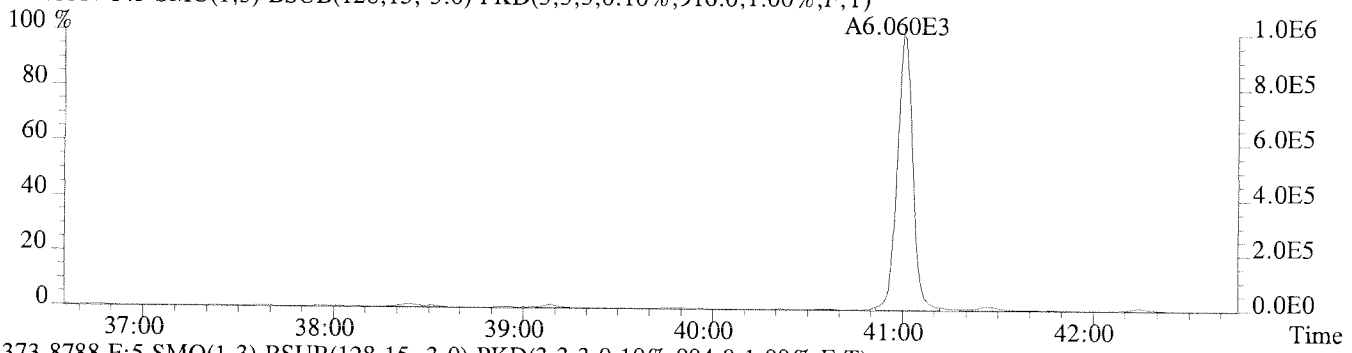
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,996.0,1.00%,F,T)



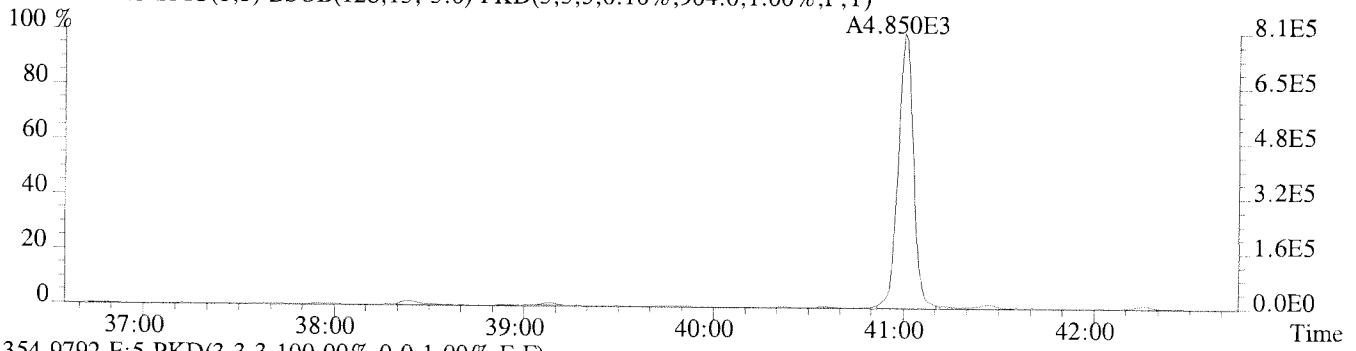
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,960.0,1.00%,F,T)



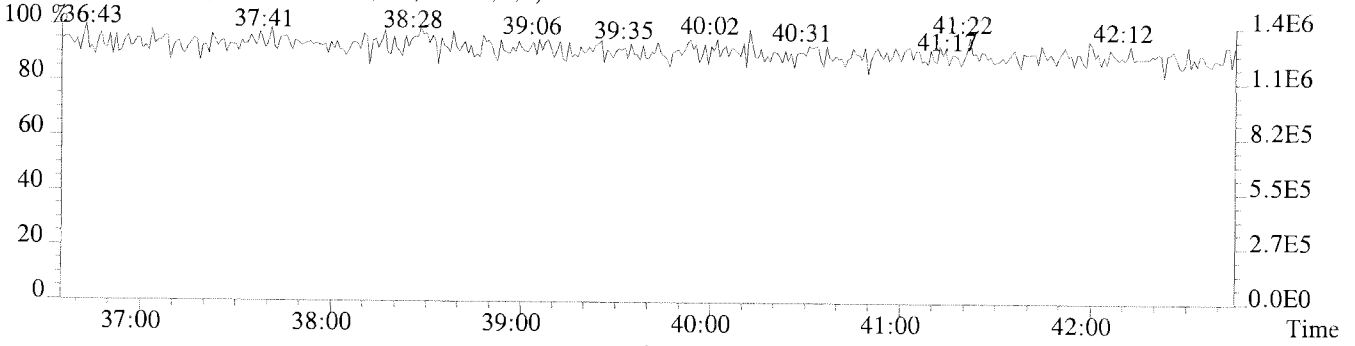
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,916.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)

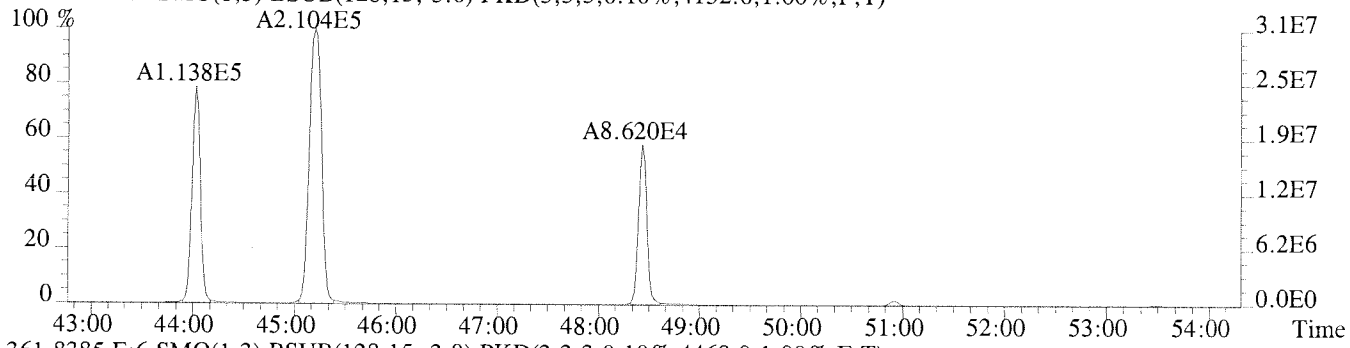


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

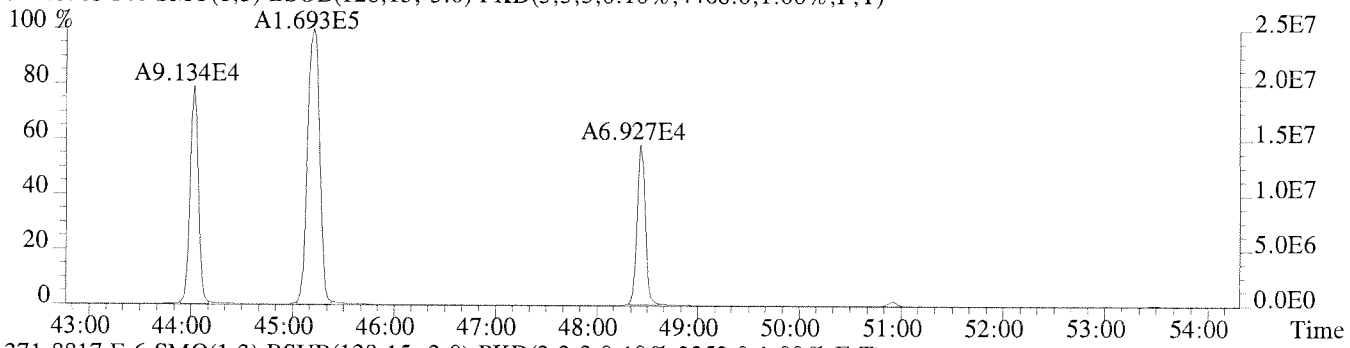


File:U139145 #1-572 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

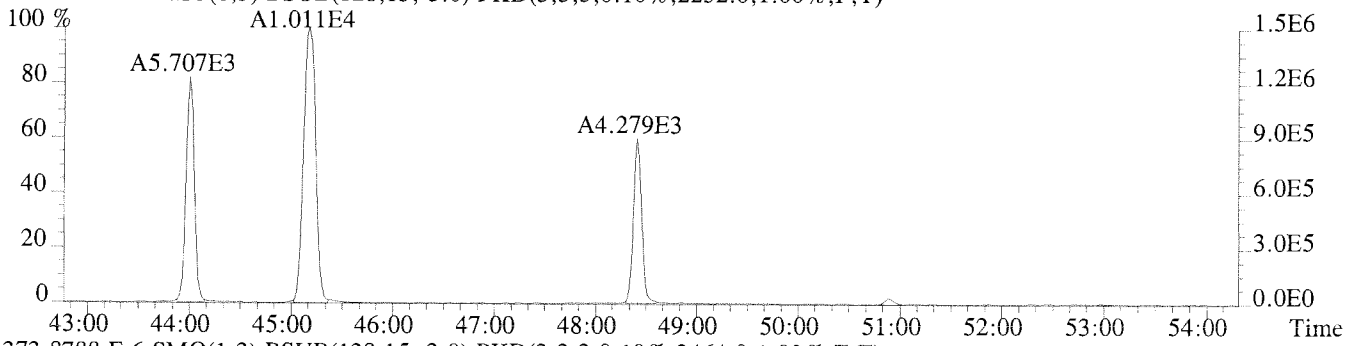
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4152.0,1.00%,F,T)



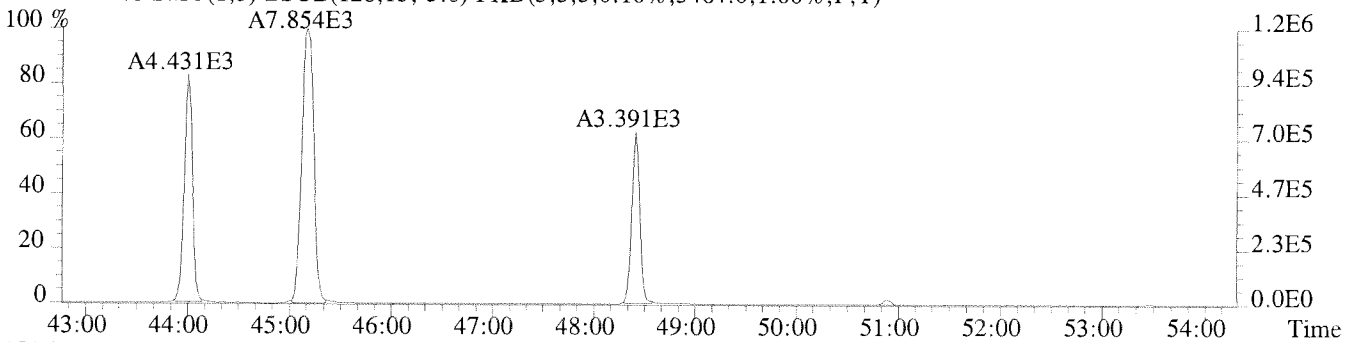
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4468.0,1.00%,F,T)



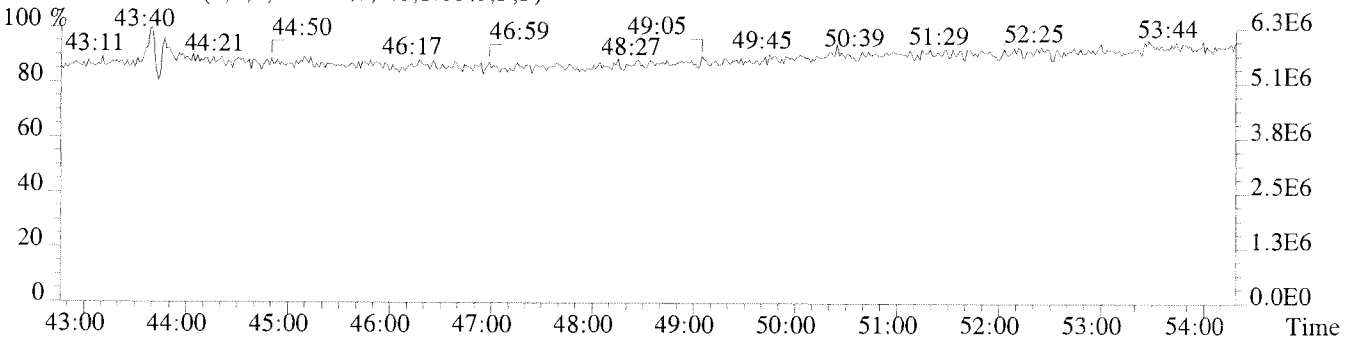
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2252.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3464.0,1.00%,F,T)

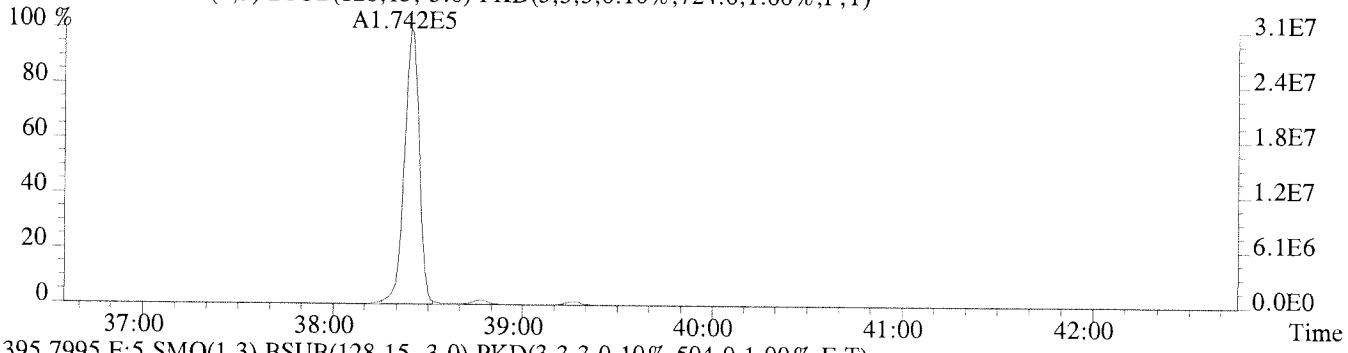


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

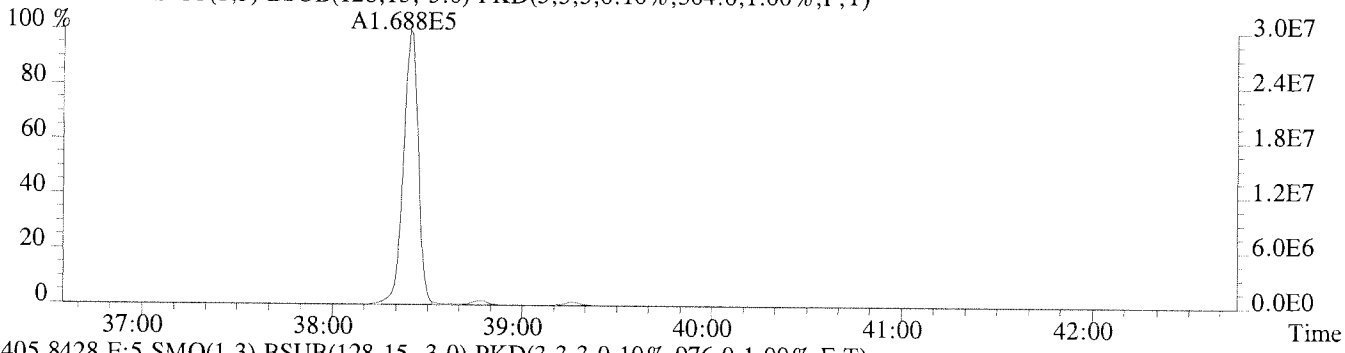


File:U139145 #1-395 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

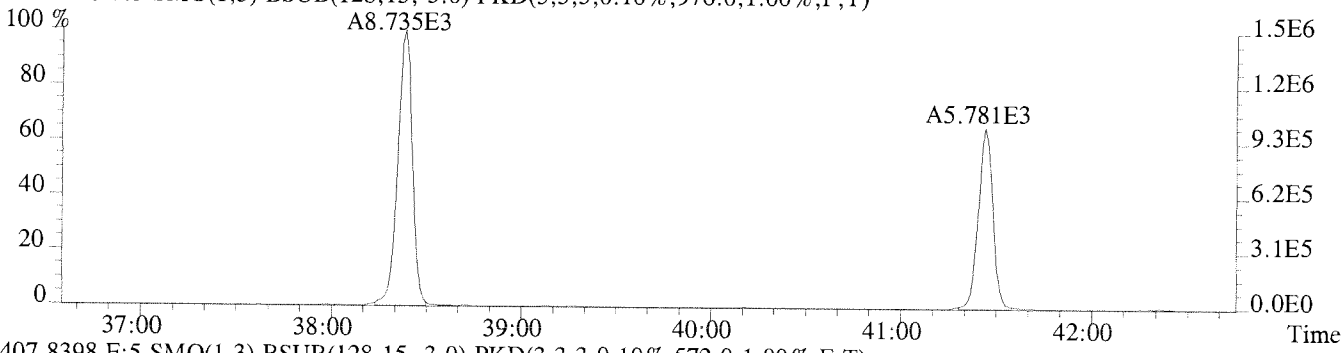
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)



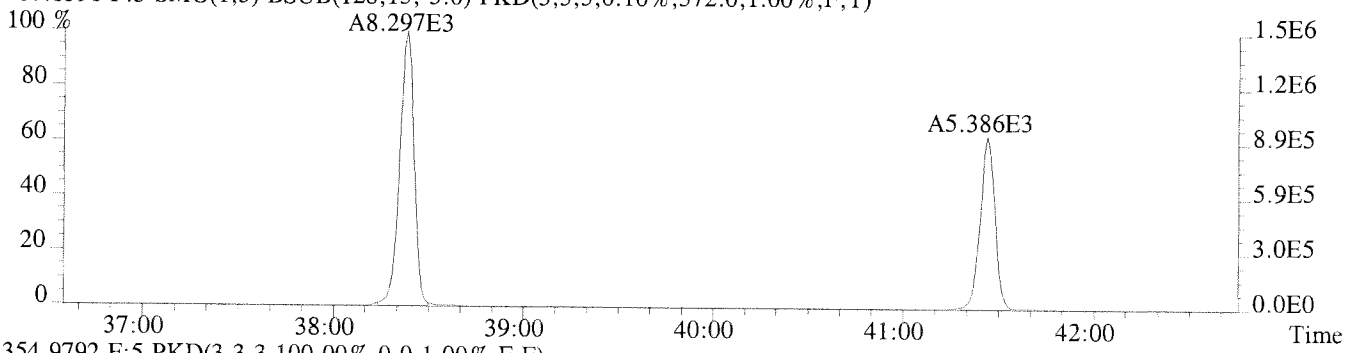
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,504.0,1.00%,F,T)



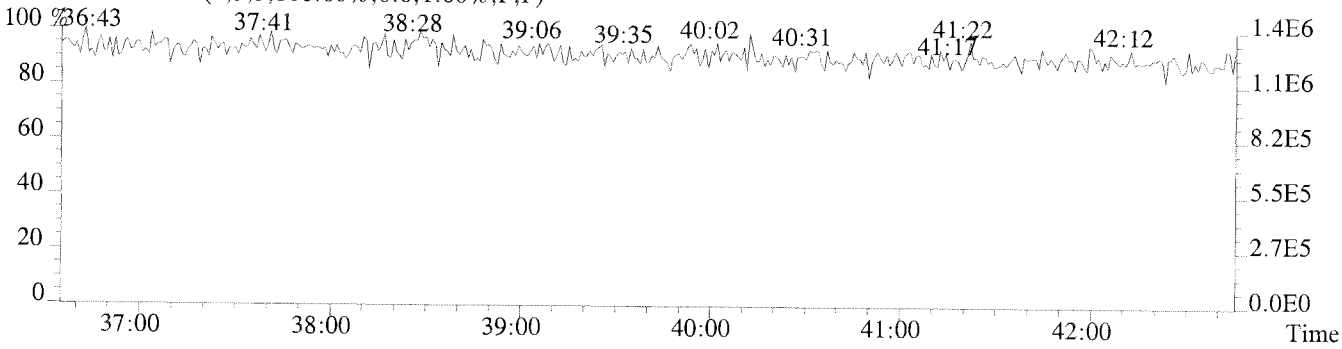
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,572.0,1.00%,F,T)

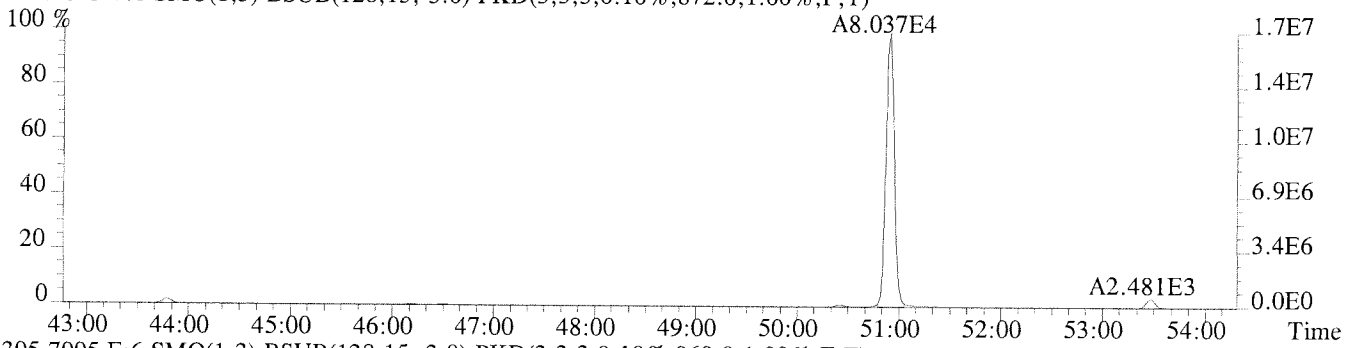


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

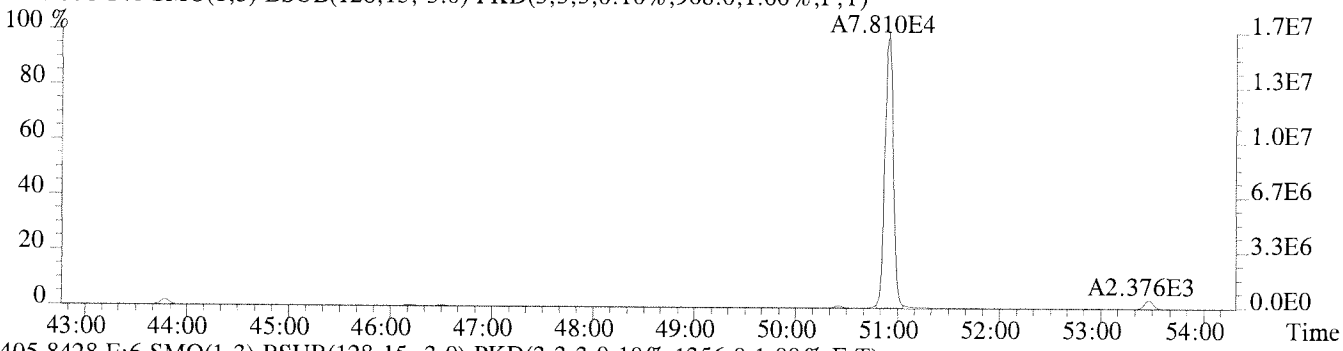


File:U139145 #1-572 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

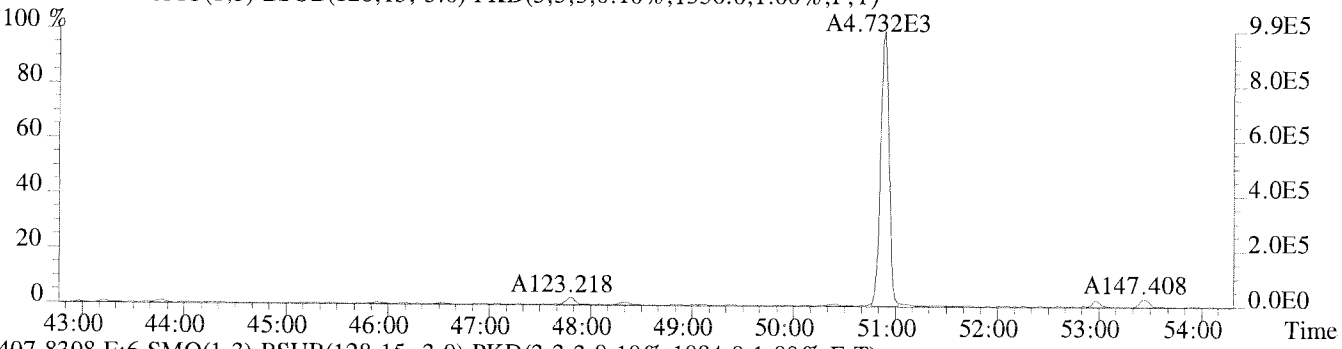
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



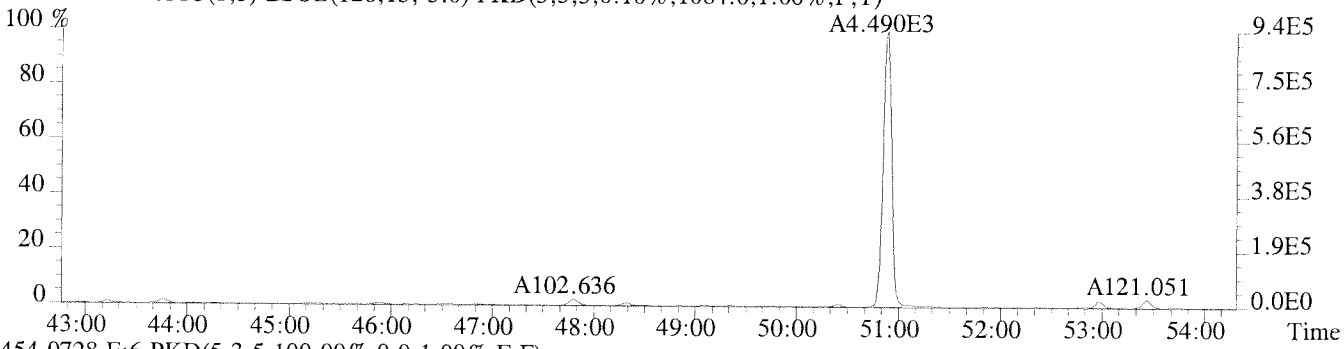
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)



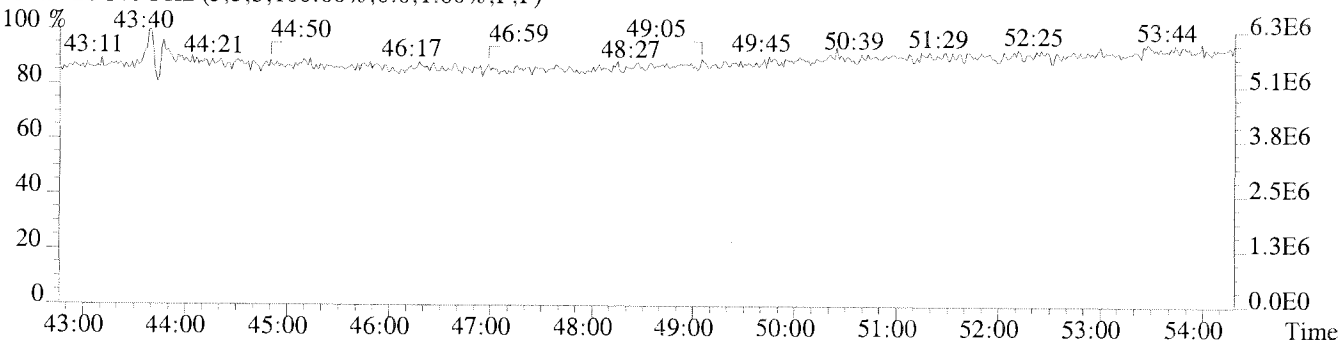
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1356.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1084.0,1.00%,F,T)

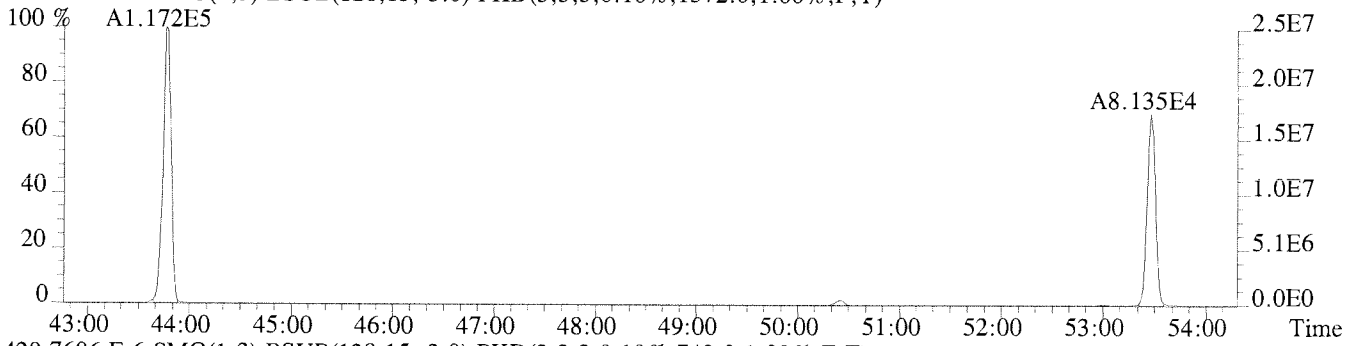


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

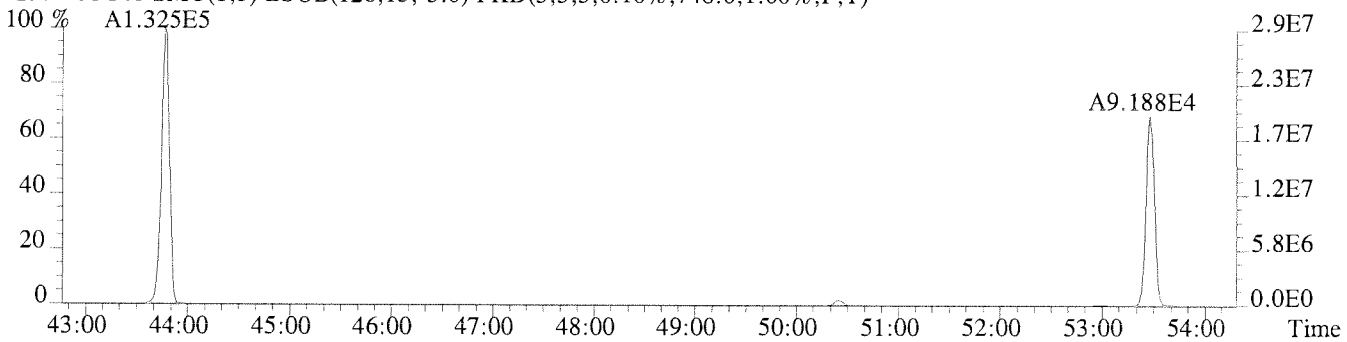


File:U139145 #1-572 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

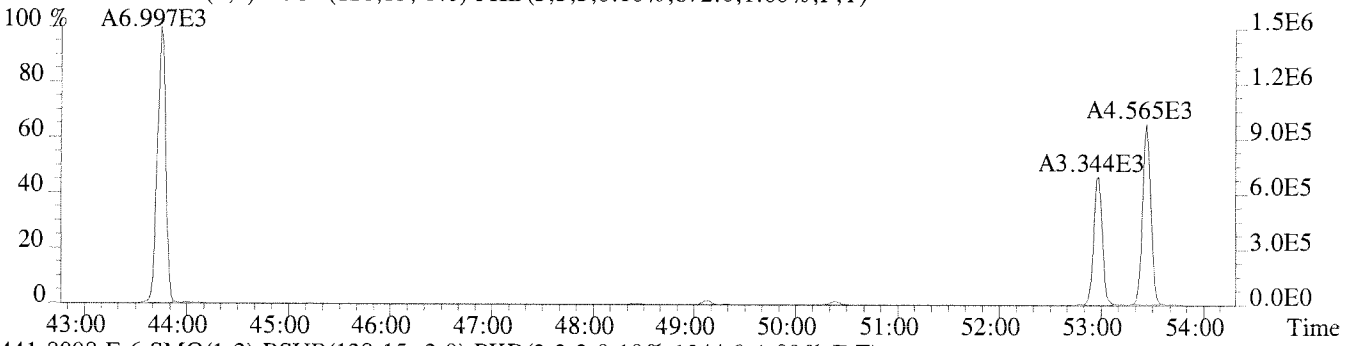
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1572.0,1.00%,F,T)



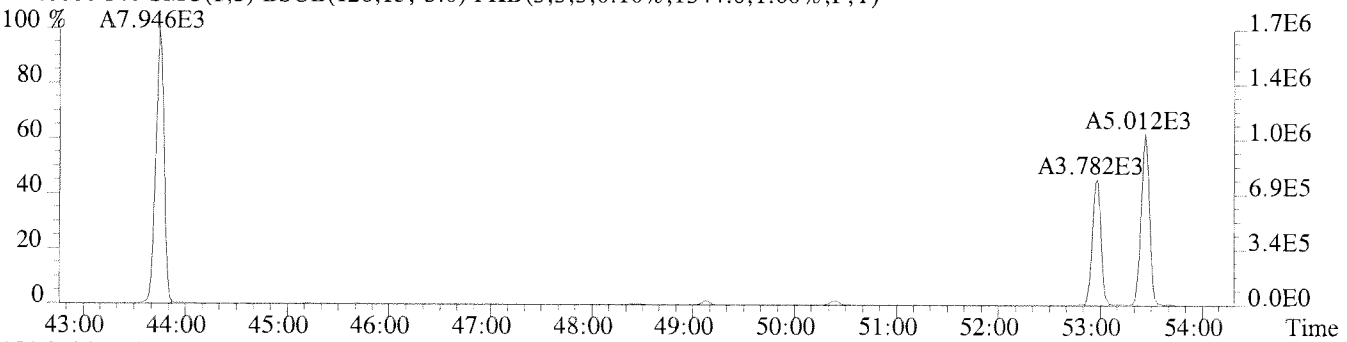
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,748.0,1.00%,F,T)



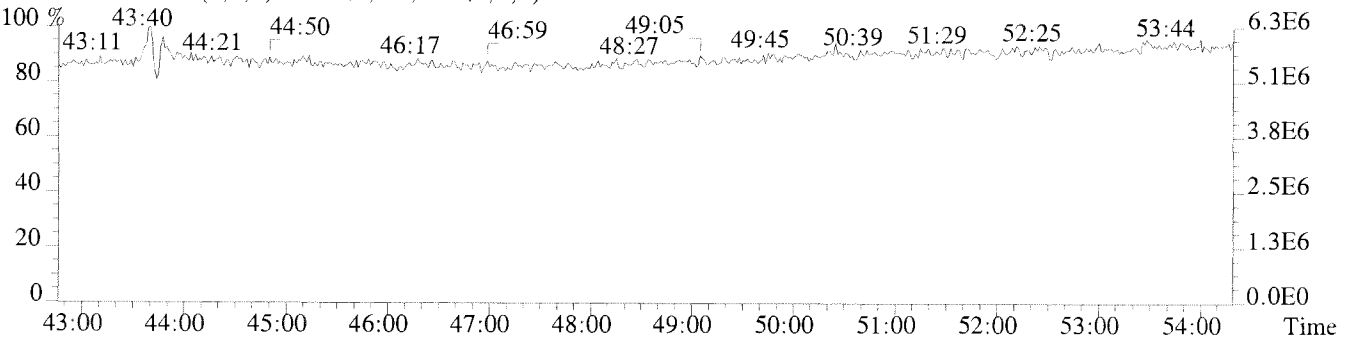
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,872.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1344.0,1.00%,F,T)

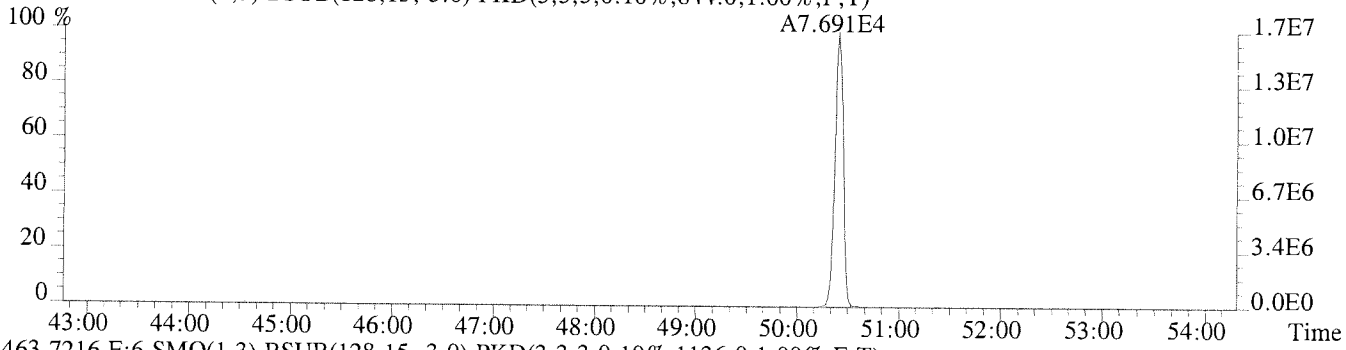


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

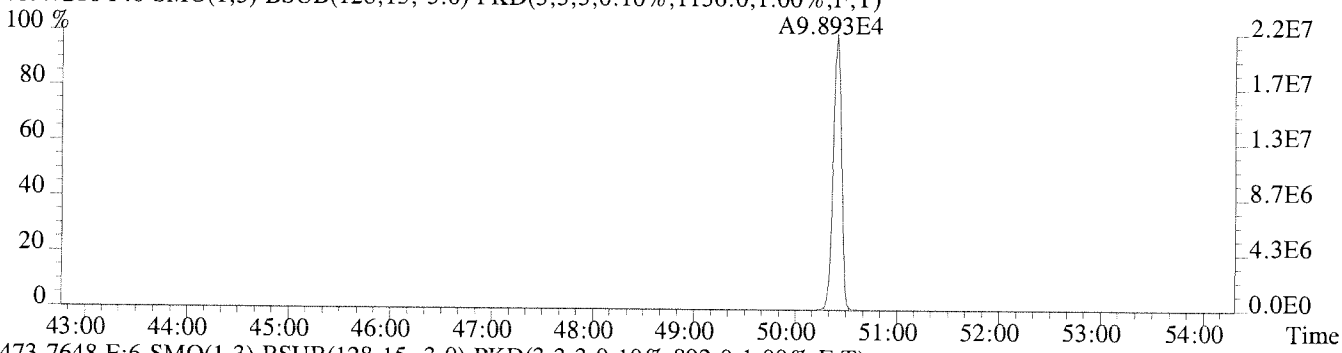


File:U139145 #1-572 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

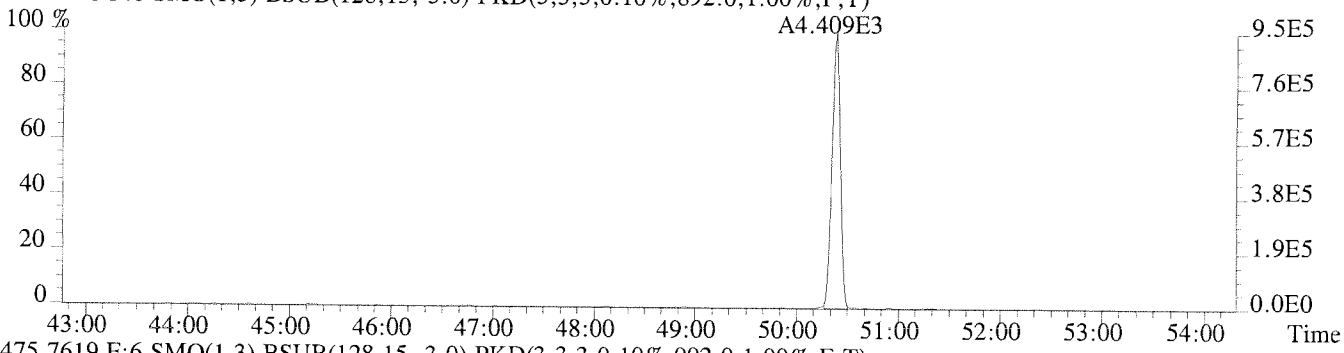
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,844.0,1.00%,F,T)



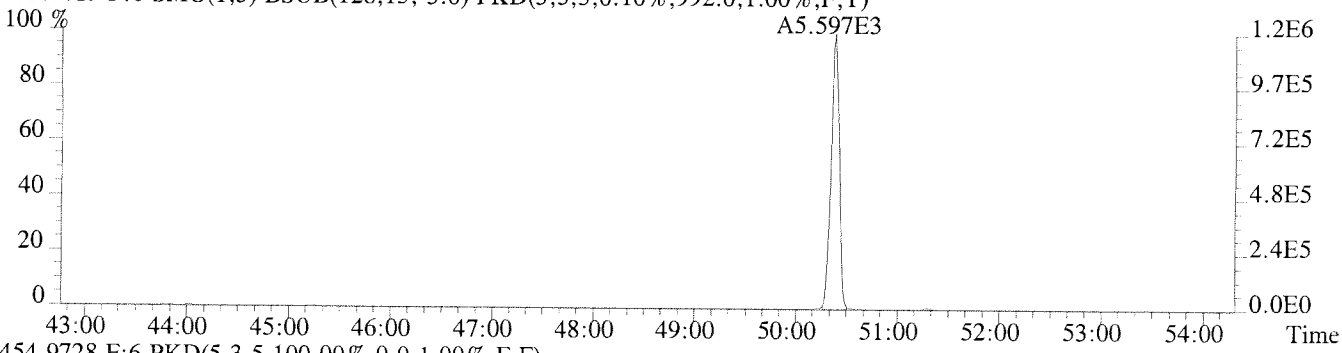
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1136.0,1.00%,F,T)



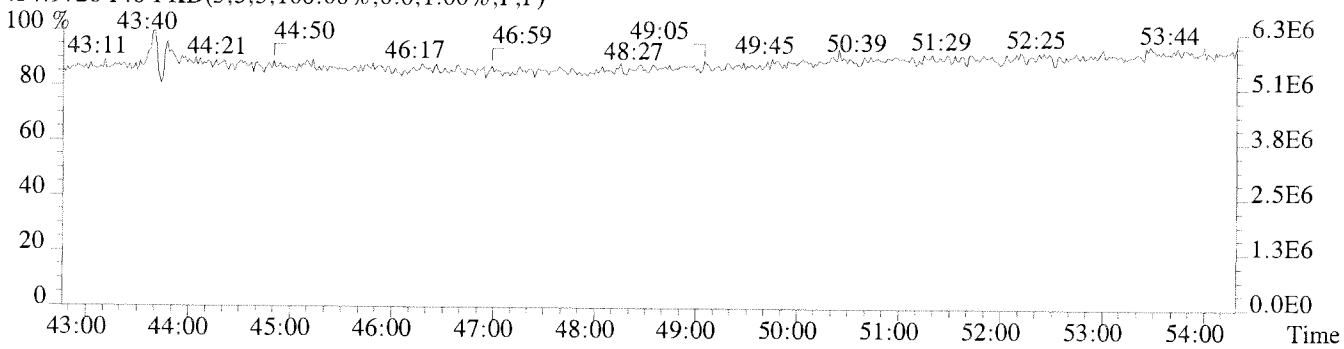
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,892.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,992.0,1.00%,F,T)

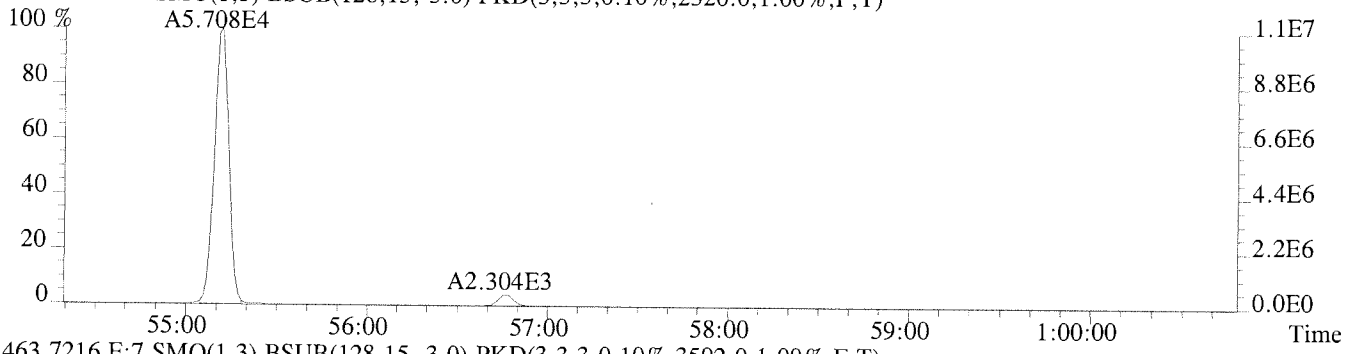


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

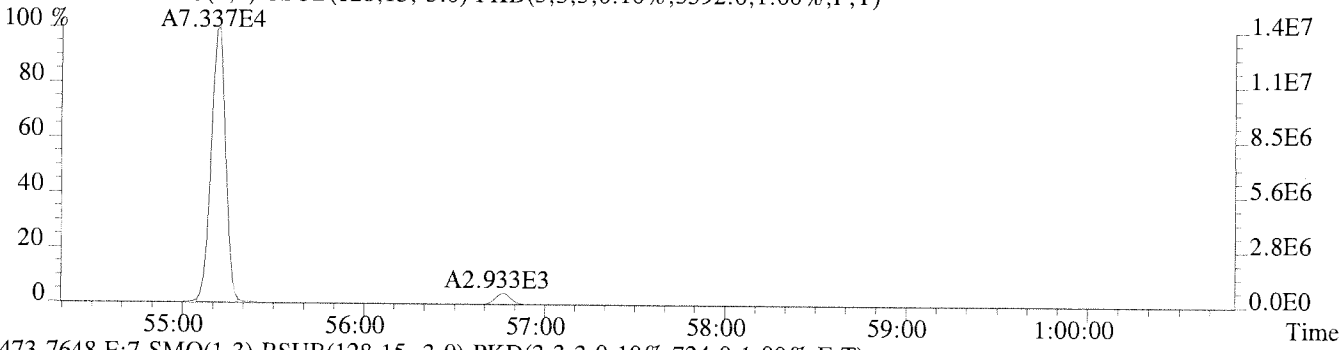


File:U139145 #1-366 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

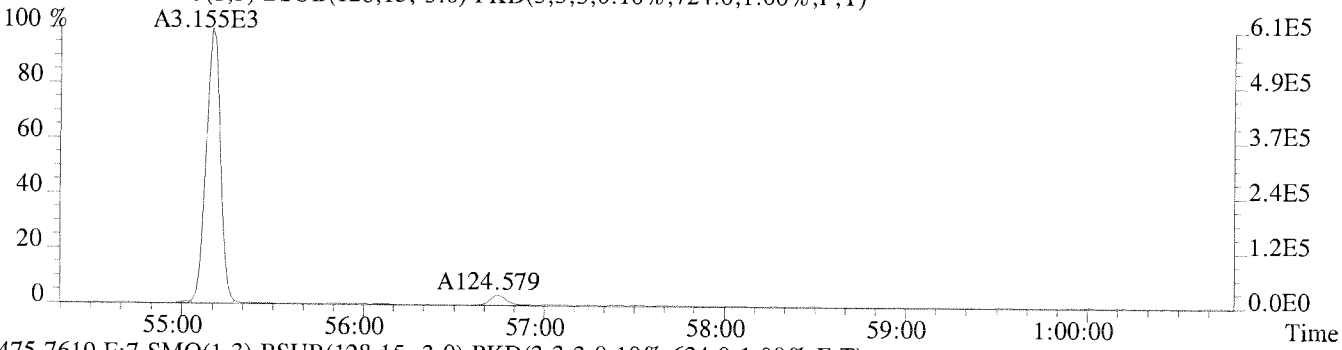
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2320.0,1.00%,F,T)



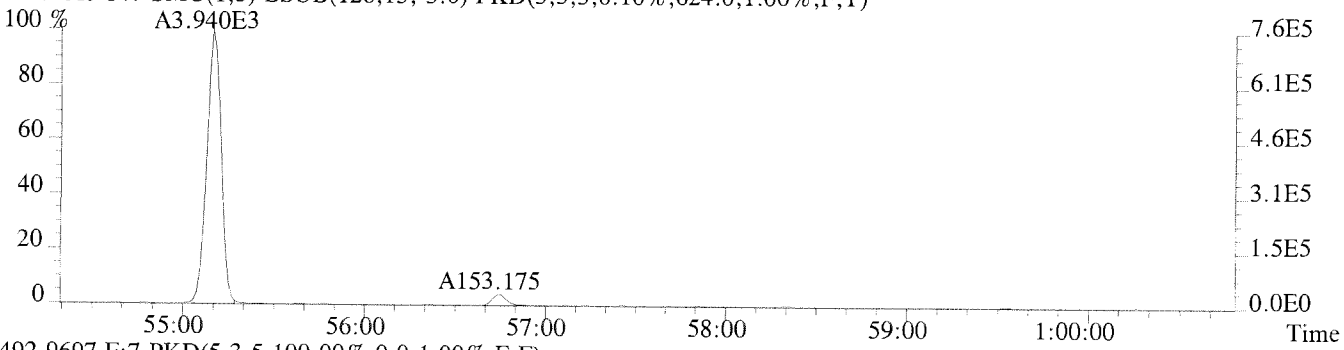
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3592.0,1.00%,F,T)



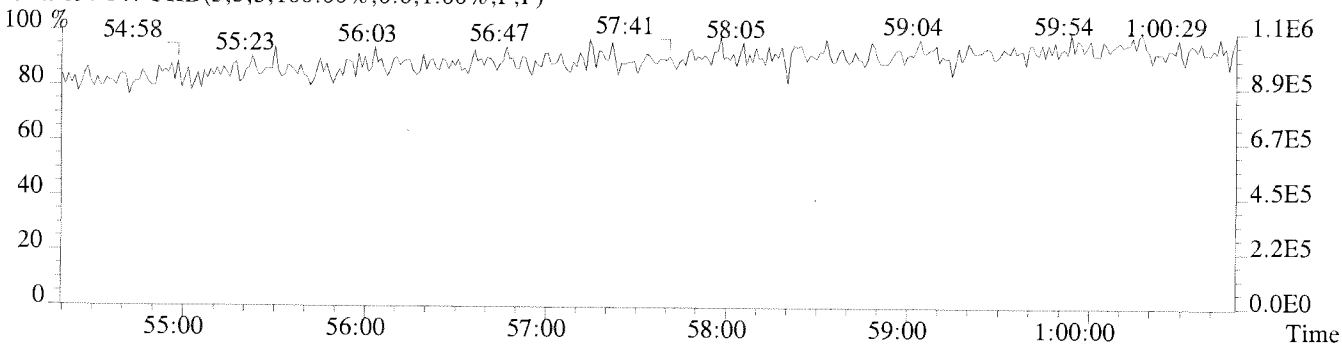
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,624.0,1.00%,F,T)

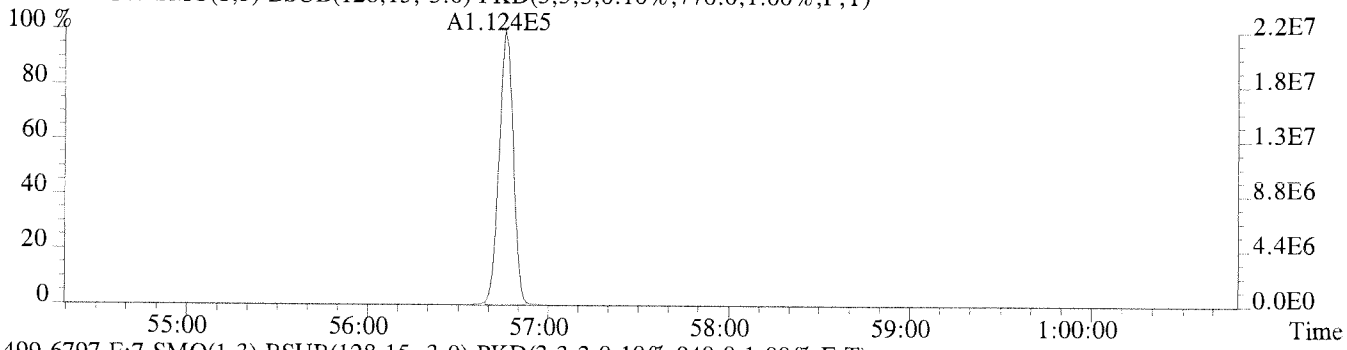


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

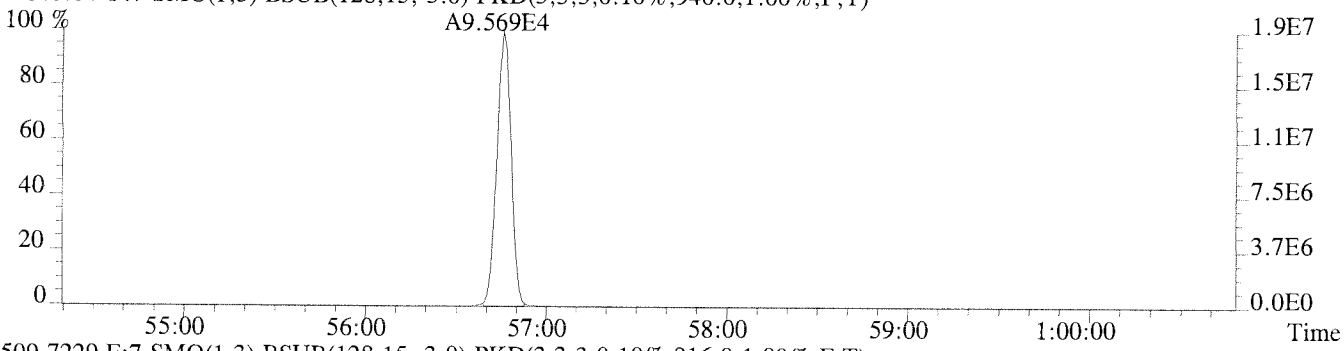


File:U139145 #1-366 Acq:23-FEB-2011 16:50:43 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS5

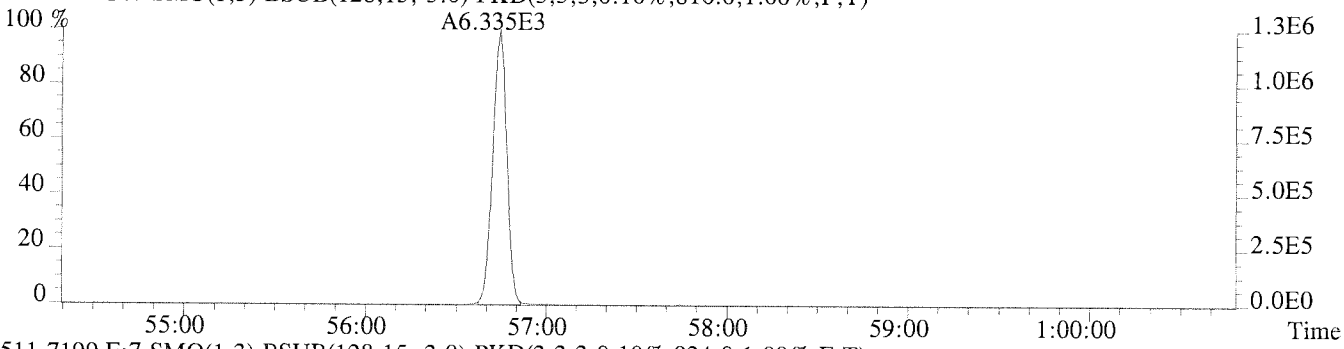
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)



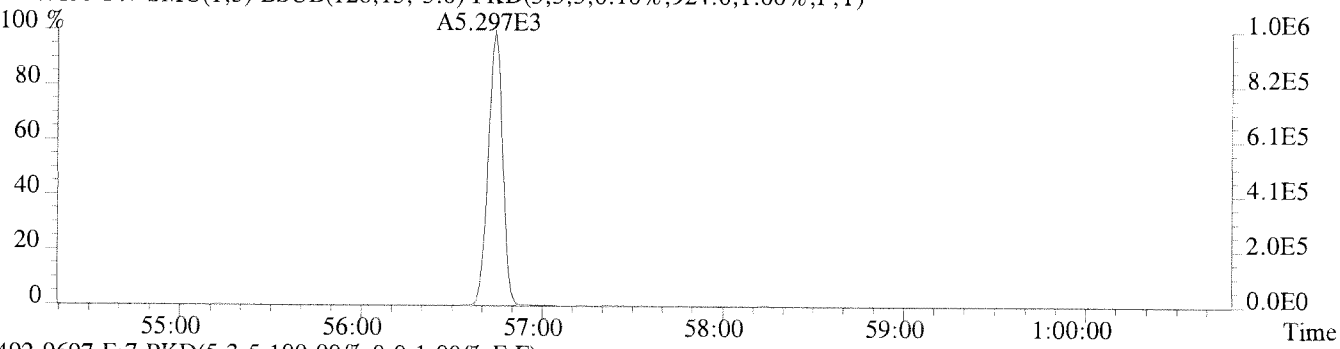
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,940.0,1.00%,F,T)



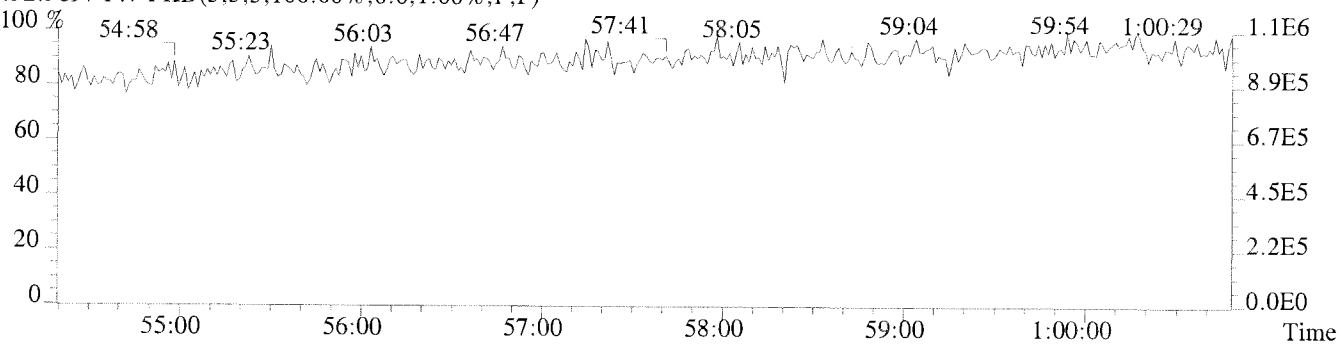
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,816.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



Columbia Analytical Services, Inc.
Sample Response Summary

CLIENT ID.
ICAL CS6

Run #6 Filename U139146 #1 Samp: 1 Inj: 1 Acquired: 23-FEB-11 18:13:13
Processed: 24-FEB-11 17:57:11 LAB. ID: ICAL CS6

	Typ	Name	RT-1	Resp 1	Resp 2	Ratio	Meet	Mod?	RRT
1	1	2-MoCB	13:02	3.766e+05	1.199e+05	3.14	yes	no	1.001
2	3	4-MoCB	15:13	3.644e+05	1.155e+05	3.15	yes	no	1.000
3	4	22'-DiCB	15:27	2.009e+05	1.295e+05	1.55	yes	no	1.001
4	15	44'-DiCB	21:21	2.481e+05	1.573e+05	1.58	yes	no	1.001
5	19	22'6'-TrCB	18:33	1.244e+05	1.219e+05	1.02	yes	no	1.001
6	37	344'-TrCB	28:22	1.981e+05	1.881e+05	1.05	yes	no	1.001
7	54	22'66'-TeCB	21:37	1.315e+05	1.711e+05	0.77	yes	no	1.001
8	81	344'5-TeCB	35:05	1.356e+05	1.726e+05	0.79	yes	no	1.001
9	77	33'44'-TeCB	35:39	1.318e+05	1.668e+05	0.79	yes	no	1.000
10	104	22'466'-PeCB	27:04	2.097e+05	1.312e+05	1.60	yes	no	1.001
11	123	2'344'5-PeCB	37:36	1.689e+05	1.073e+05	1.57	yes	no	1.001
12	118	23'44'5-PeCB	37:55	1.751e+05	1.112e+05	1.57	yes	no	1.000
13	114	2344'5-PeCB	38:27	1.756e+05	1.111e+05	1.58	yes	no	1.000
14	105	233'44'-PeCB	39:07	1.660e+05	1.059e+05	1.57	yes	no	1.000
15	126	33'44'5-PeCB	42:12	1.434e+05	9.055e+04	1.58	yes	no	1.000
16	155	22'44'66'-HxCB	32:42	1.899e+05	1.490e+05	1.27	yes	no	1.001
17	167	23'44'55'-HxCB	44:02	1.130e+05	9.029e+04	1.25	yes	no	1.001
18	156/7	233'44'5-HxCB	45:12	2.137e+05	1.700e+05	1.26	yes	no	1.001
19	169	33'44'55'-HxCB	48:26	9.286e+04	7.406e+04	1.25	yes	no	1.000
20	188	22'34'566'-HpCB	38:24	1.544e+05	1.489e+05	1.04	yes	no	1.001
[illegible]	189	233'44'55'-HpCB	50:54	7.794e+04	7.686e+04	1.01	yes	no	1.000
[illegible]	202	22'33'55'66'-OcCB	43:46	9.487e+04	1.071e+05	0.89	yes	no	1.000
[illegible]	205	233'44'55'6-OcCB	53:28	7.558e+04	8.594e+04	0.88	yes	no	1.001
24	208	22'33'4'55'66'-NoCB	50:24	6.749e+04	8.624e+04	0.78	yes	no	1.001
25	206	22'33'44'55'6-NoCB	55:11	5.431e+04	7.034e+04	0.77	yes	no	1.000
26	209	DeCB	56:46	9.765e+04	8.314e+04	1.17	yes	no	1.001
27	1L	13C-2-MoCB	13:01	3.905e+03	1.246e+03	3.13	yes	yes	0.748
28	3L	13C-4-MoCB	15:13	3.880e+03	1.265e+03	3.07	yes	yes	0.875
29	4L	13C-22'-DiCB	15:26	1.983e+03	1.291e+03	1.54	yes	no	0.887
30	15L	13C-44'-DiCB	21:20	2.558e+03	1.712e+03	1.49	yes	no	1.226
31	19L	13C-22'6'-TrCB	18:32	1.253e+03	1.287e+03	0.97	yes	yes	1.065
32	37L	13C-344'-TrCB	28:20	1.930e+03	1.729e+03	1.12	yes	yes	1.084
33	54L	13C-22'66'-TeCB	21:36	1.504e+03	1.749e+03	0.86	yes	no	0.827
34	81L	13C-344'5-TeCB	35:03	1.397e+03	1.712e+03	0.82	yes	no	1.341
35	77L	13C-33'44'-TeCB	35:38	1.365e+03	1.684e+03	0.81	yes	no	1.364
36	104L	13C-22'466'-PeCB	27:03	2.171e+03	1.384e+03	1.57	yes	no	0.821
37	123L	13C-2'344'5-PeCB	37:34	1.763e+03	1.191e+03	1.48	yes	no	1.140
38	118L	13C-23'44'5-PeCB	37:54	1.939e+03	1.241e+03	1.56	yes	no	1.150
[illegible]	114L	13C-2344'5-PeCB	38:26	1.867e+03	1.206e+03	1.55	yes	no	1.166
[illegible]	105L	13C-233'44'-PeCB	39:06	1.809e+03	1.203e+03	1.50	yes	no	1.187
[illegible]	126L	13C-33'44'5-PeCB	42:11	1.611e+03	9.971e+02	1.62	yes	no	1.280
42	155L	13C-22'44'66'-HxCB	32:41	2.014e+03	1.595e+03	1.26	yes	no	0.797
43	167L	13C-23'44'55'-HxCB	43:59	1.194e+03	9.777e+02	1.22	yes	no	1.073
44	156/7	13C-233'44'5'-HxCB	45:10	2.326e+03	1.848e+03	1.26	yes	no	1.102
[illegible]	169L	13C-33'44'55'-HxCB	48:25	9.503e+02	7.515e+02	1.26	yes	no	1.181
46	188L	13C-22'34'566'-HpCB	38:22	1.714e+03	1.597e+03	1.07	yes	no	0.725
47	189L	13C-233'44'55'-HpCB	50:53	9.774e+02	9.047e+02	1.08	yes	no	0.961
48	202L	13C-22'33'55'66'-OcCB	43:45	1.161e+03	1.251e+03	0.93	yes	no	0.826
49	205L	13C-233'44'55'6-OcCB	53:25	9.261e+02	1.028e+03	0.90	yes	no	1.009
50	208L	13C-22'33'4'55'66'-NoCB	50:22	7.869e+02	9.857e+02	0.80	yes	no	0.951
51	206L	13C-22'33'44'55'6-NoCB	55:10	6.694e+02	8.031e+02	0.83	yes	no	1.042
52	209L	13C-DeCB	56:43	1.179e+03	9.678e+02	1.22	yes	no	1.071

53	28L	13C-244'-TrCB	24:20	2.034e+03	2.149e+03	0.95	yes	yes	0.931
54	111L	13C-233'55'-PeCB	35:36	1.967e+03	1.245e+03	1.58	yes	no	1.080
55	178L	13C-22'33'55'6-HpCB	41:26	1.080e+03	9.567e+02	1.13	yes	no	1.011
56									
57	9L	13C-2,5-DiCB	17:24	2.563e+03	1.536e+03	1.67	yes	no	*
57	52L	13C-22'55'-TeCB	26:08	1.230e+03	1.579e+03	0.78	yes	no	*
58	101L	13C-22'4'55'-PeCB	32:57	1.531e+03	1.012e+03	1.51	yes	no	*
59	138L	13C-22'3'44'5'-HxCB	41:00	1.319e+03	1.086e+03	1.21	yes	no	*
60	194L	13C-22'33'44'55'-OcCB	52:57	5.854e+02	7.002e+02	0.84	yes	no	*

Columbia Analytical Services,Inc.
Signal/Noise Height Ratio Summary

CLIENT ID.
ICAL CS6

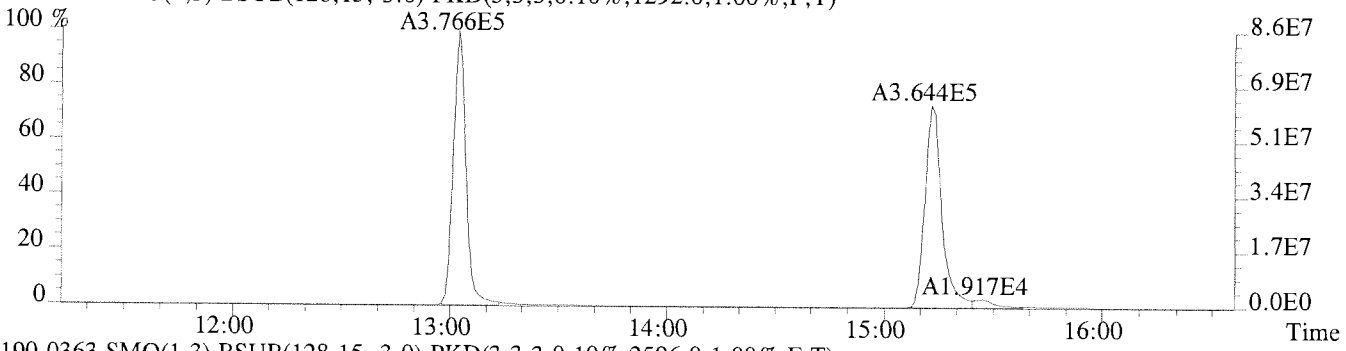
Run #6 Filename U139146 Samp: 1 Inj: 1 Acquired: 23-FEB-11 18:13:13
Processed: 24-FEB-11 17:57:111 LAB. ID: ICAL CS6

	Name	Signal 1	Noise 1	S/N Rat.1	Signal 2	Noise 2	S/N Rat.2
1	2-MoCB	8.57e+07	1.29e+03	6.6e+04	2.73e+07	2.60e+03	1.1e+04
2	4-MoCB	6.30e+07	1.29e+03	4.9e+04	2.01e+07	2.60e+03	7.8e+03
3	22'-DiCB	3.85e+07	2.26e+03	1.7e+04	2.49e+07	7.16e+03	3.5e+03
4	44'-DiCB	3.93e+07	6.23e+03	6.3e+03	2.49e+07	7.60e+03	3.3e+03
5	22'6'-TrCB	2.40e+07	1.66e+03	1.5e+04	2.37e+07	1.17e+03	2.0e+04
[illegible]	344'-TrCB	2.85e+07	1.98e+03	1.4e+04	2.69e+07	2.19e+03	1.2e+04
[illegible]	22'66'-TeCB	2.39e+07	8.64e+02	2.8e+04	3.12e+07	1.21e+03	2.6e+04
[illegible]	344'5-TeCB	2.19e+07	1.60e+03	1.4e+04	2.79e+07	2.56e+03	1.1e+04
[illegible]	33'44'-TeCB	2.02e+07	1.60e+03	1.3e+04	2.56e+07	2.56e+03	1.0e+04
10	22'466'-PeCB	3.53e+07	8.48e+02	4.2e+04	2.21e+07	1.24e+03	1.8e+04
11	2'344'5-PeCB	2.93e+07	4.88e+04	6.0e+02	1.86e+07	3.53e+04	5.3e+02
12	23'44'5-PeCB	2.99e+07	4.88e+04	6.1e+02	1.90e+07	3.53e+04	5.4e+02
[illegible]	2344'5-PeCB	3.02e+07	4.88e+04	6.2e+02	1.91e+07	3.53e+04	5.4e+02
[illegible]	233'44'-PeCB	2.85e+07	4.88e+04	5.8e+02	1.81e+07	3.53e+04	5.1e+02
15	33'44'5-PeCB	2.34e+07	4.88e+04	4.8e+02	1.48e+07	3.53e+04	4.2e+02
16	22'44'66'-HxCB	3.37e+07	1.00e+03	3.4e+04	2.64e+07	1.38e+03	1.9e+04
17	23'44'55'-HxCB	2.37e+07	5.46e+03	4.3e+03	1.88e+07	6.24e+03	3.0e+03
18	233'44'5-HxCB	3.12e+07	5.46e+03	5.7e+03	2.48e+07	6.24e+03	4.0e+03
19	33'44'55'-HxCB	1.91e+07	5.46e+03	3.5e+03	1.52e+07	6.24e+03	2.4e+03
20	22'34'566'-HpCB	2.80e+07	9.44e+02	3.0e+04	2.68e+07	9.32e+02	2.9e+04
21	233'44'55'-HpCB	1.64e+07	1.53e+03	1.1e+04	1.62e+07	9.72e+02	1.7e+04
22	22'33'55'66'-OcCB	2.05e+07	1.14e+03	1.8e+04	2.32e+07	2.13e+03	1.1e+04
23	233'44'55'6-OcCB	1.59e+07	1.14e+03	1.4e+04	1.80e+07	2.13e+03	8.5e+03
24	22'33'4'55'66'-NoCB	1.42e+07	8.56e+02	1.7e+04	1.83e+07	1.11e+03	1.6e+04
[illegible]	22'33'44'55'6-NoCB	1.07e+07	2.36e+03	4.5e+03	1.38e+07	2.48e+03	5.6e+03
[illegible]	DeCB	1.89e+07	7.16e+02	2.6e+04	1.60e+07	6.00e+02	2.7e+04
[illegible]	13C-2-MoCB	8.68e+05	1.36e+03	6.4e+02	2.84e+05	1.85e+04	1.5e+01
[illegible]	13C-4-MoCB	6.71e+05	1.36e+03	4.9e+02	2.22e+05	1.85e+04	1.2e+01
29	13C-22'-DiCB	3.76e+05	3.54e+03	1.1e+02	2.38e+05	1.43e+03	1.7e+02
30	13C-44'-DiCB	4.23e+05	6.64e+03	6.4e+01	2.85e+05	2.66e+03	1.1e+02
[illegible]	13C-22'6'-TrCB	2.49e+05	1.30e+04	1.9e+01	2.49e+05	1.11e+04	2.2e+01
[illegible]	13C-344'-TrCB	3.10e+05	1.84e+04	1.7e+01	2.71e+05	1.04e+04	2.6e+01
33	13C-22'66'-TeCB	2.68e+05	1.66e+03	1.6e+02	3.21e+05	1.28e+03	2.5e+02
34	13C-344'5-TeCB	2.38e+05	1.21e+03	2.0e+02	2.82e+05	9.68e+02	2.9e+02
35	13C-33'44'-TeCB	2.30e+05	1.21e+03	1.9e+02	2.73e+05	9.68e+02	2.8e+02
36	13C-22'466'-PeCB	3.58e+05	8.20e+02	4.4e+02	2.32e+05	9.04e+02	2.6e+02
37	13C-2'344'5-PeCB	3.14e+05	1.39e+03	2.3e+02	2.05e+05	6.16e+02	3.3e+02
38	13C-23'44'5-PeCB	3.43e+05	1.39e+03	2.5e+02	2.15e+05	6.16e+02	3.5e+02
39	13C-2344'5-PeCB	3.22e+05	1.39e+03	2.3e+02	2.01e+05	6.16e+02	3.3e+02
40	13C-233'44'-PeCB	3.14e+05	1.39e+03	2.3e+02	2.02e+05	6.16e+02	3.3e+02
41	13C-33'44'5-PeCB	2.63e+05	1.39e+03	1.9e+02	1.67e+05	6.16e+02	2.7e+02
[illegible]	13C-22'44'66'-HxCB	3.59e+05	9.76e+02	3.7e+02	2.80e+05	9.52e+02	2.9e+02
[illegible]	13C-23'44'55'-HxCB	2.52e+05	1.17e+03	2.2e+02	1.97e+05	8.92e+02	2.2e+02
[illegible]	13C-233'44'5'-HxCB	3.44e+05	1.17e+03	2.9e+02	2.65e+05	8.92e+02	3.0e+02
[illegible]	13C-33'44'55'-HxCB	1.95e+05	1.17e+03	1.7e+02	1.58e+05	8.92e+02	1.8e+02
[illegible]	13C-22'34'566'-HpCB	3.00e+05	9.32e+02	3.2e+02	2.81e+05	9.24e+02	3.0e+02
[illegible]	13C-233'44'55'-HpCB	1.98e+05	9.48e+02	2.1e+02	1.89e+05	7.16e+02	2.6e+02
48	13C-22'33'55'66'-OcCB	2.49e+05	7.72e+02	3.2e+02	2.71e+05	7.24e+02	3.7e+02
49	13C-233'44'55'6-OcCB	1.84e+05	7.72e+02	2.4e+02	2.13e+05	7.24e+02	2.9e+02
[illegible]	13C-22'33'4'55'66'-NoCB	1.73e+05	7.68e+02	2.3e+02	2.12e+05	7.76e+02	2.7e+02
51	13C-22'33'44'55'6-NoCB	1.24e+05	7.12e+02	1.7e+02	1.52e+05	5.00e+02	3.0e+02
52	13C-DeCB	2.22e+05	5.84e+02	3.8e+02	1.89e+05	6.16e+02	3.1e+02

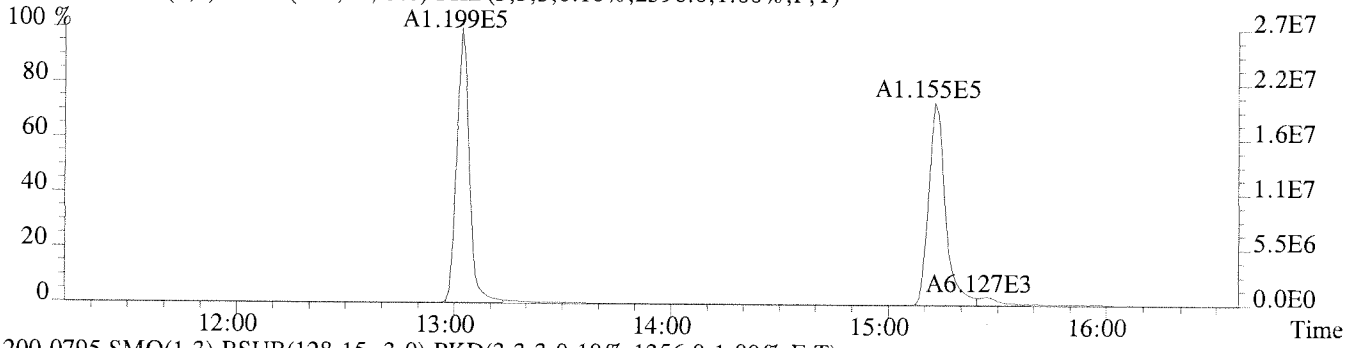
13C-244'-TrCB	2.98e+05	1.84e+04	1.6e+01	2.87e+05	1.04e+04	2.8e+01
13C-233'55'-PeCB	3.34e+05	1.35e+03	2.5e+02	2.00e+05	1.00e+03	2.0e+02
13C-22'33'55'6-HpCB	1.82e+05	9.32e+02	2.0e+02	1.64e+05	9.24e+02	1.8e+02
13C-2,5-DiCB	4.49e+05	6.64e+03	6.8e+01	2.66e+05	2.66e+03	1.0e+02
13C-22'55'-TeCB	1.87e+05	1.59e+03	1.2e+02	2.50e+05	1.19e+03	2.1e+02
13C-22'4'55'-PeCB	2.58e+05	1.35e+03	1.9e+02	1.63e+05	1.00e+03	1.6e+02
13C-22'3'44'5'-HxCB	2.25e+05	1.18e+03	1.9e+02	1.82e+05	1.00e+03	1.8e+02
13C-22'33'44'55'-OcCB	1.23e+05	7.72e+02	1.6e+02	1.46e+05	7.24e+02	2.0e+02

File:U139146 #1-347 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

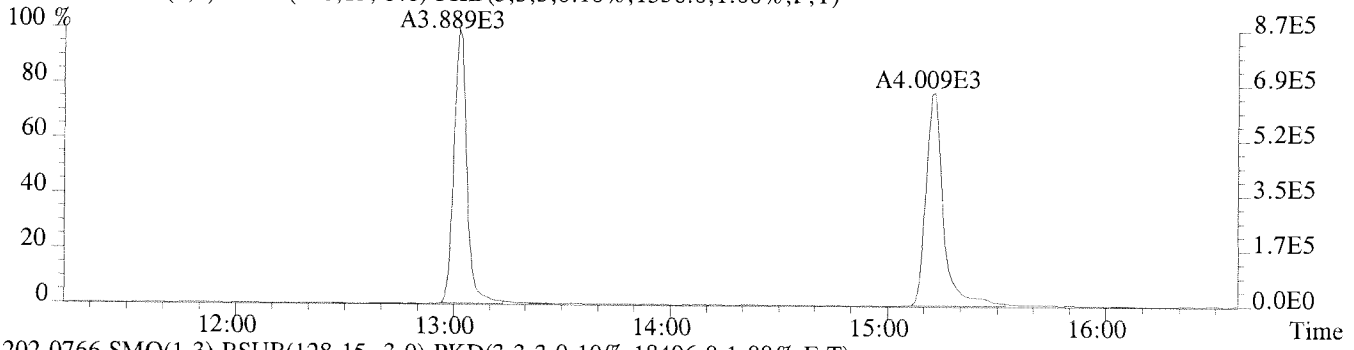
188.0393 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1292.0,1.00%,F,T)



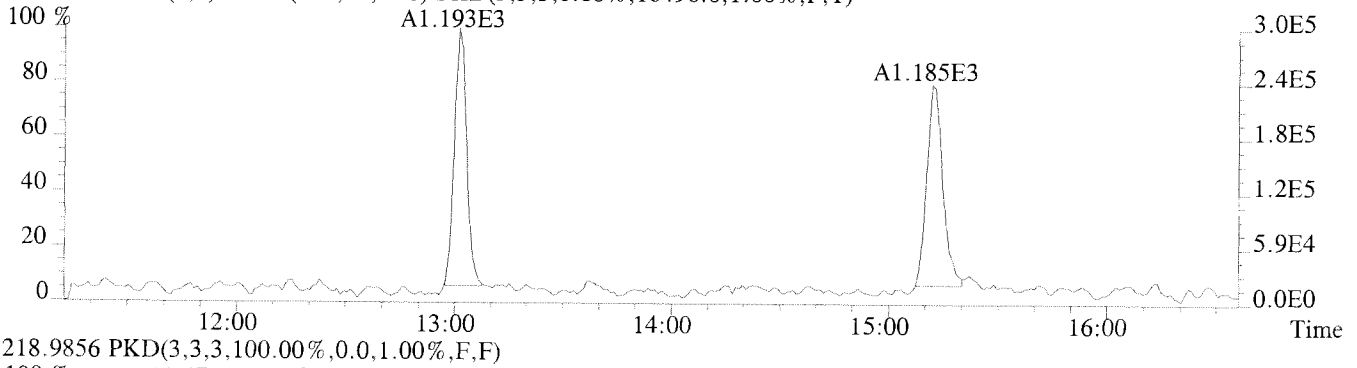
190.0363 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2596.0,1.00%,F,T)



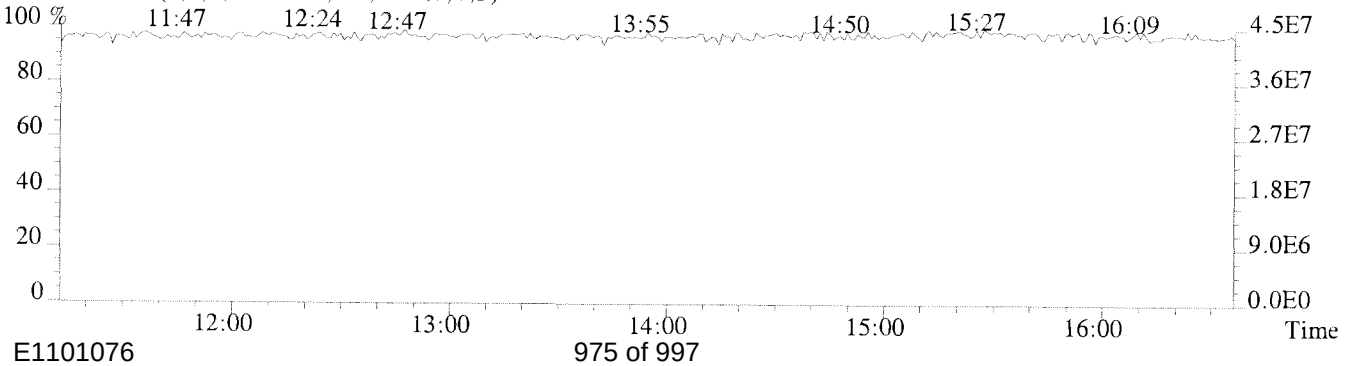
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1356.0,1.00%,F,T)



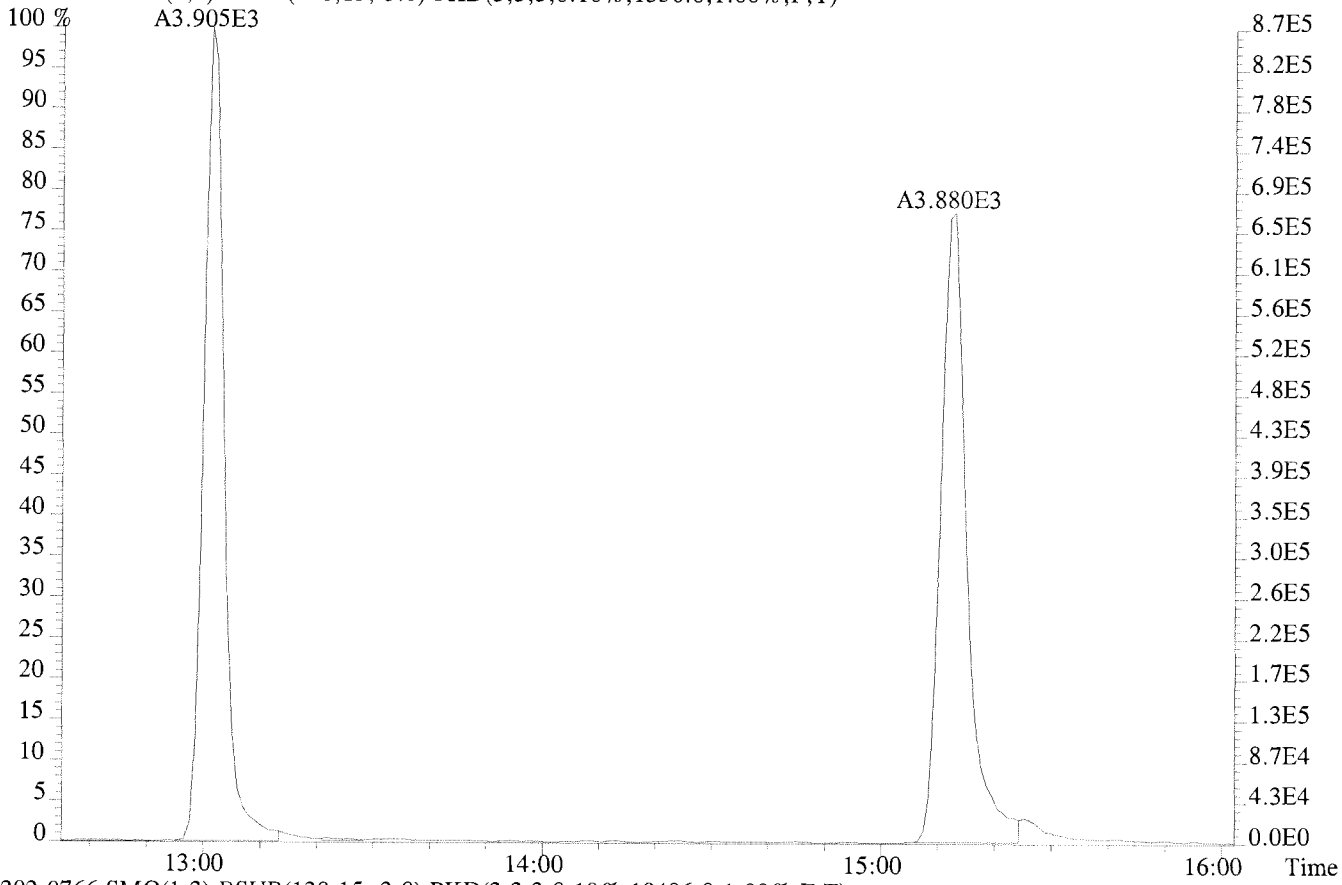
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18496.0,1.00%,F,T)



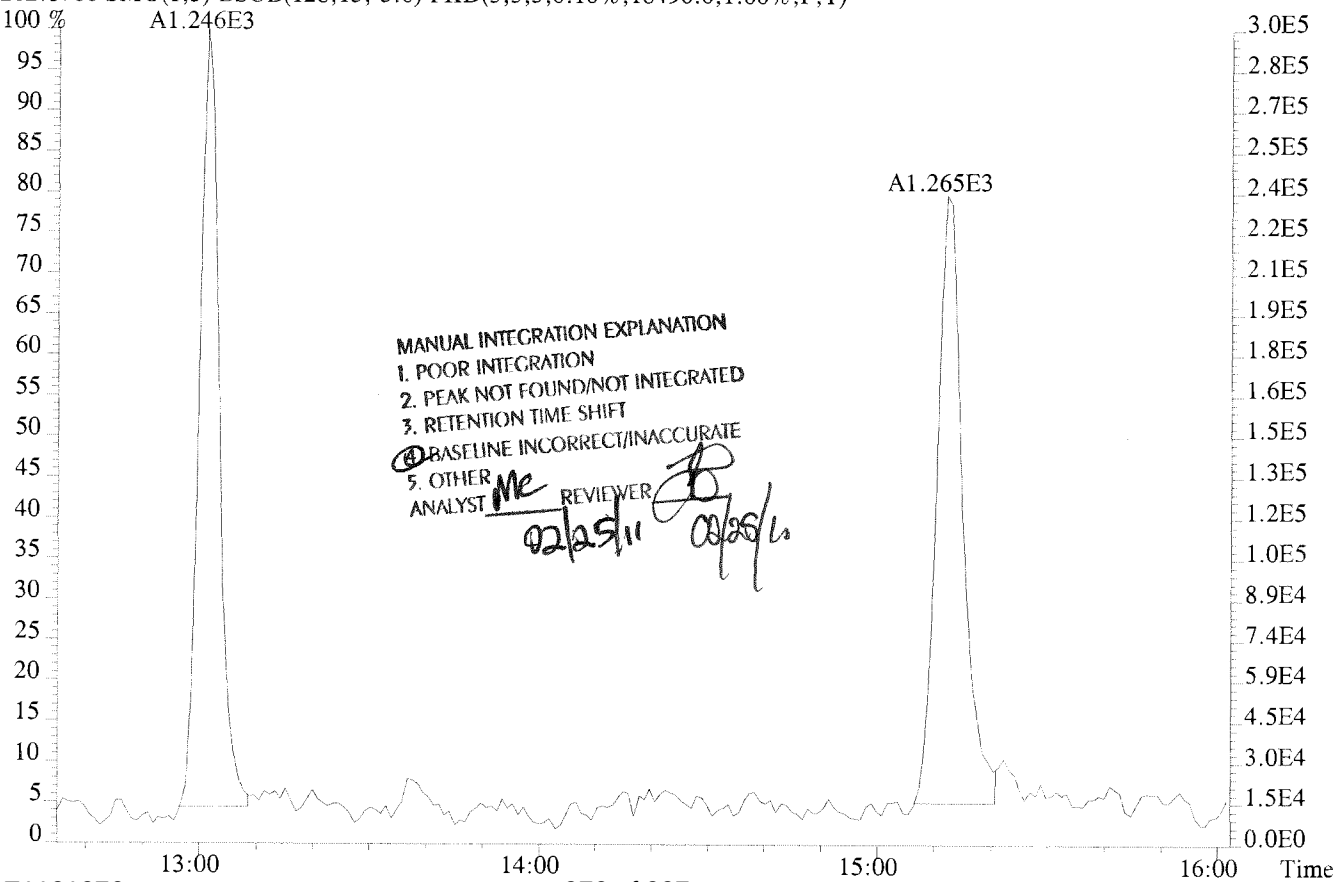
218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139146 #1-347 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6
200.0795 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1356.0,1.00%,F,T)



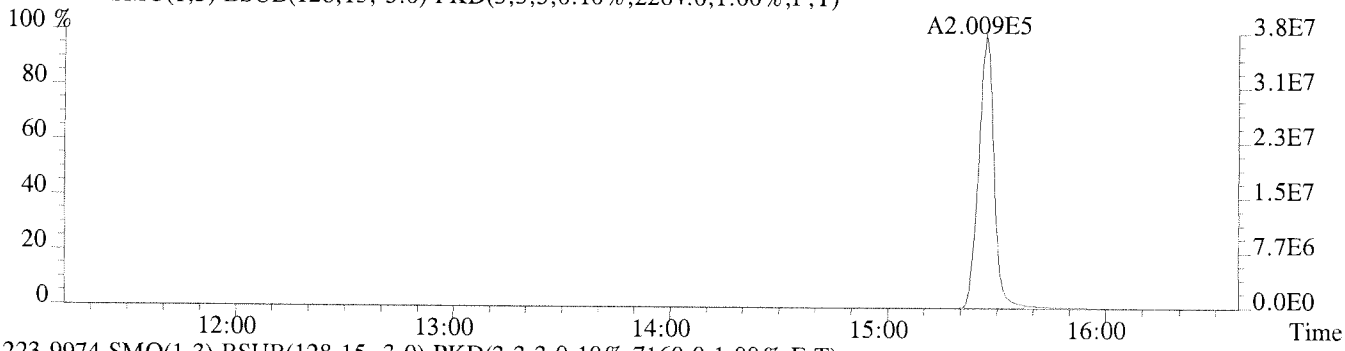
202.0766 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18496.0,1.00%,F,T)



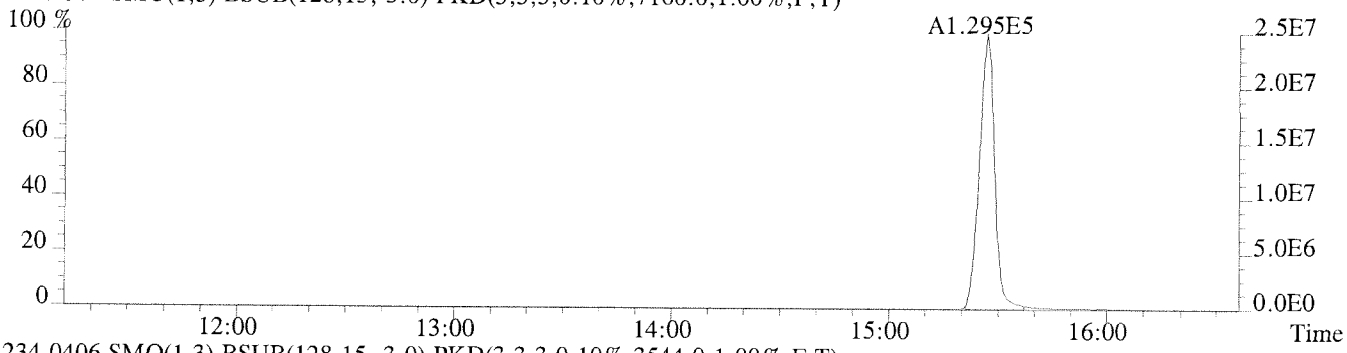
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST Mc REVIEWER
02/25/11 02/25/11

File:U139146 #1-347 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

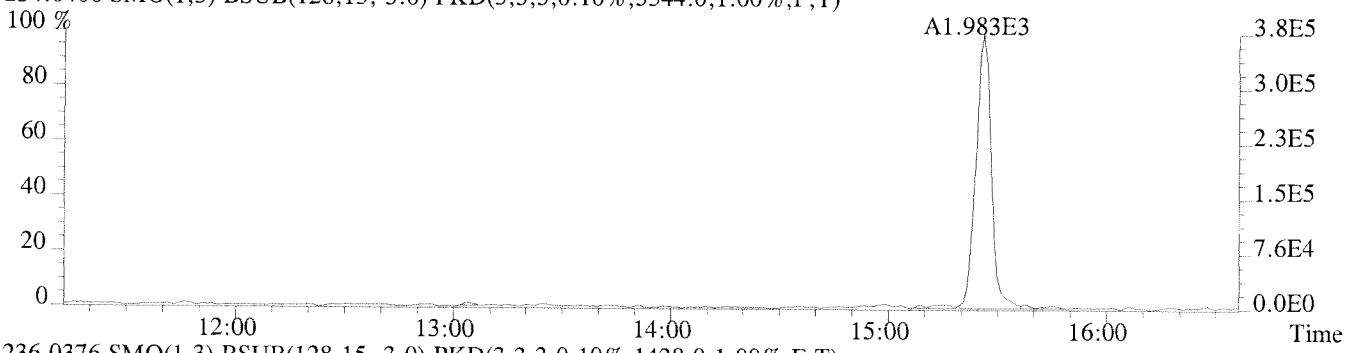
222.0003 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2264.0,1.00%,F,T)



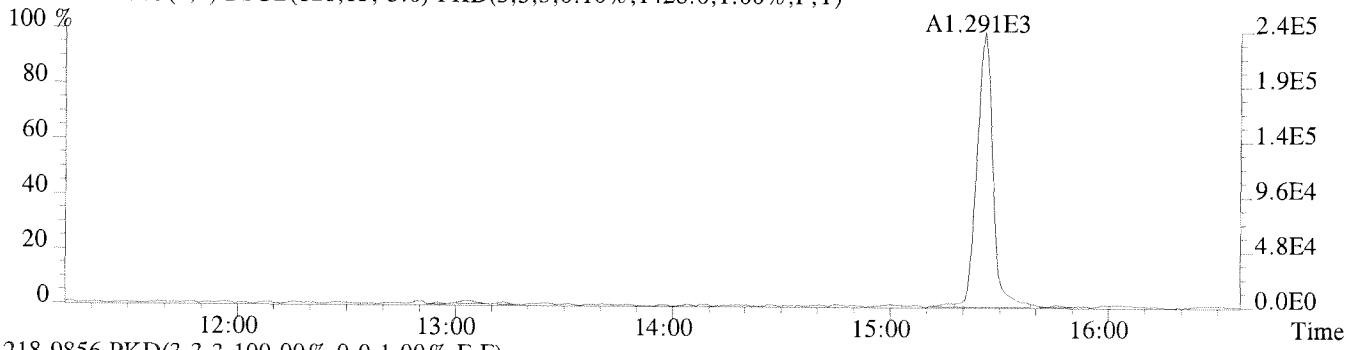
223.9974 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7160.0,1.00%,F,T)



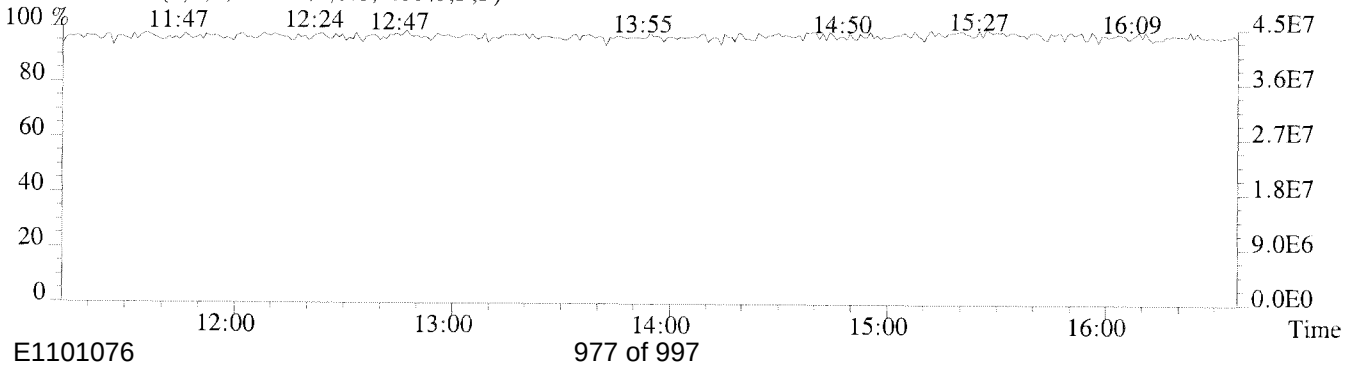
234.0406 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,3544.0,1.00%,F,T)



236.0376 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1428.0,1.00%,F,T)

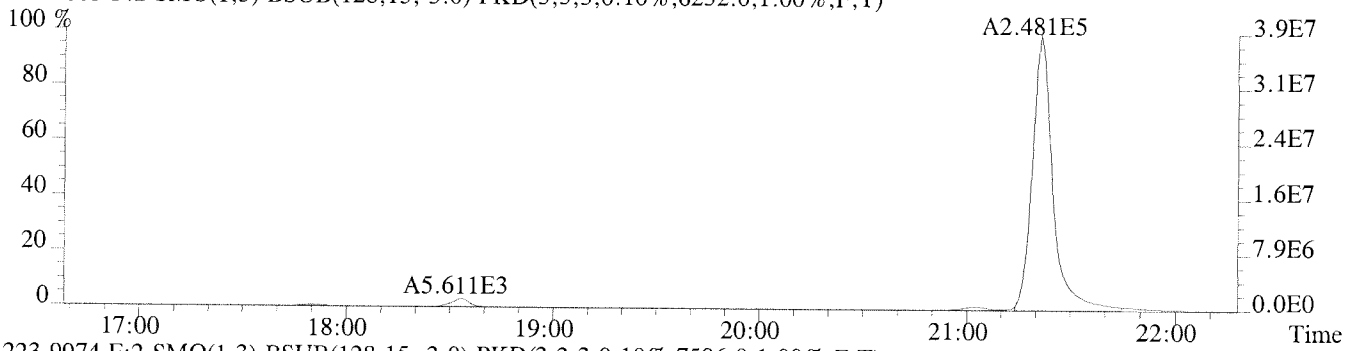


218.9856 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

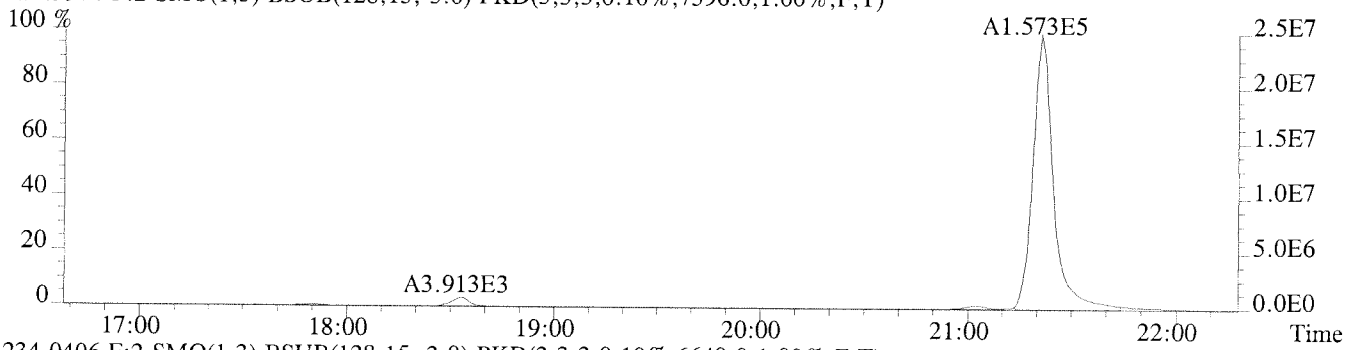


File:U139146 #1-313 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

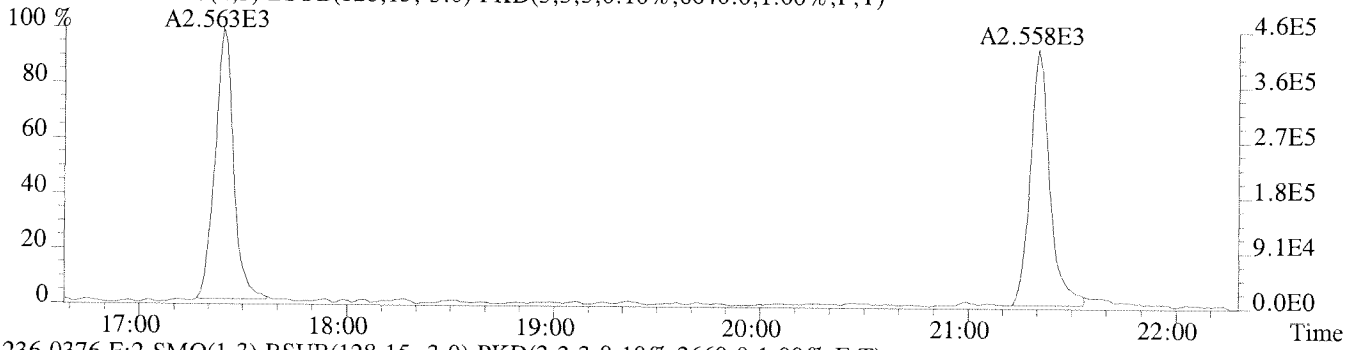
222.0003 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6232.0,1.00%,F,T)



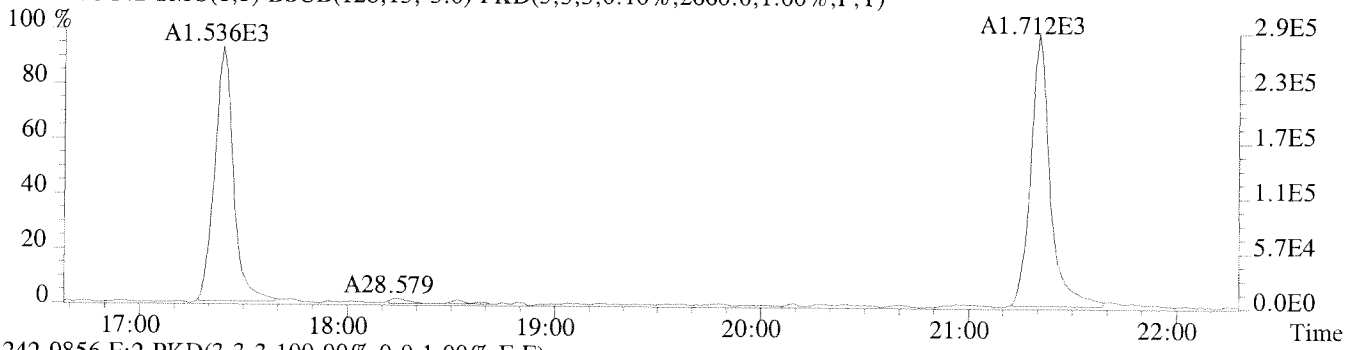
223.9974 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,7596.0,1.00%,F,T)



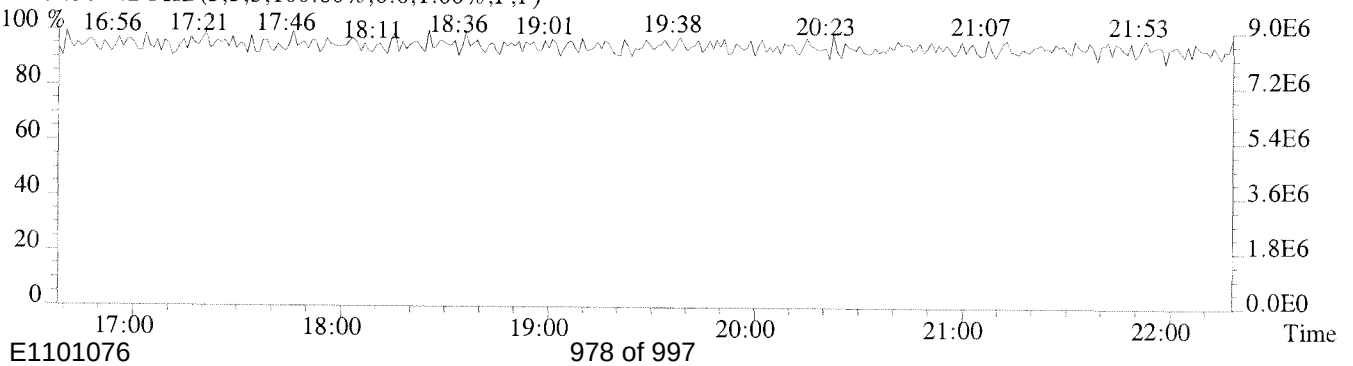
234.0406 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6640.0,1.00%,F,T)



236.0376 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2660.0,1.00%,F,T)

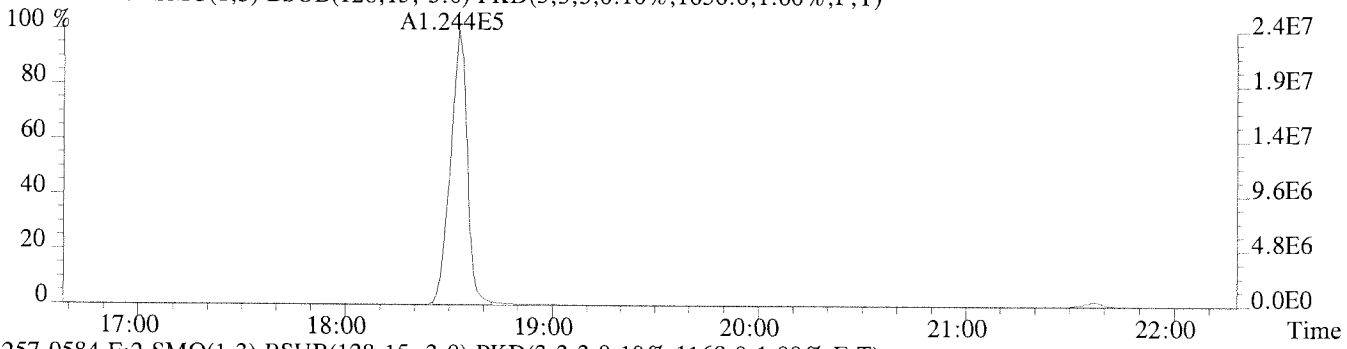


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

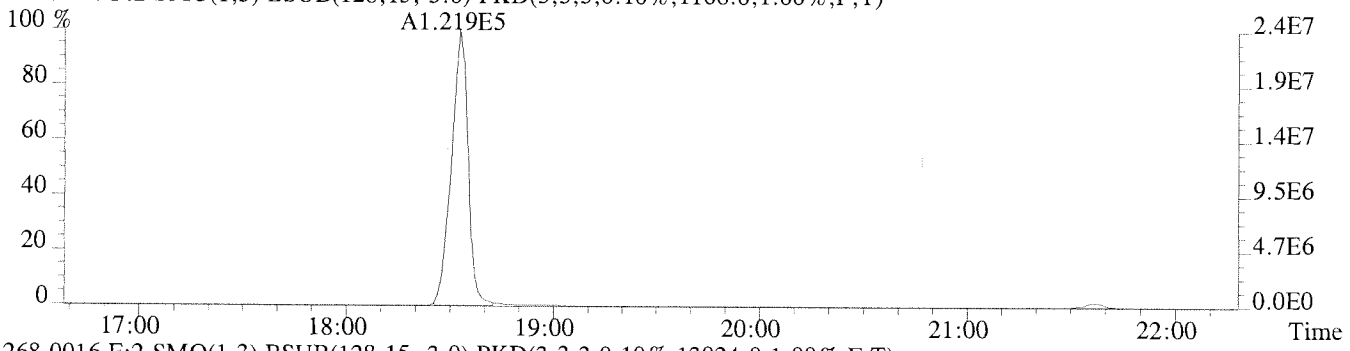


File:U139146 #1-313 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

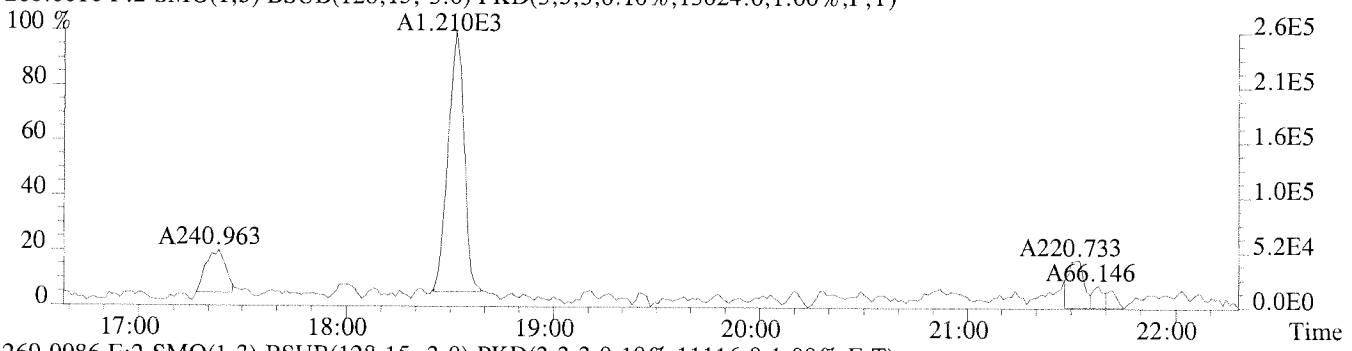
255.9613 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1656.0,1.00%,F,T)



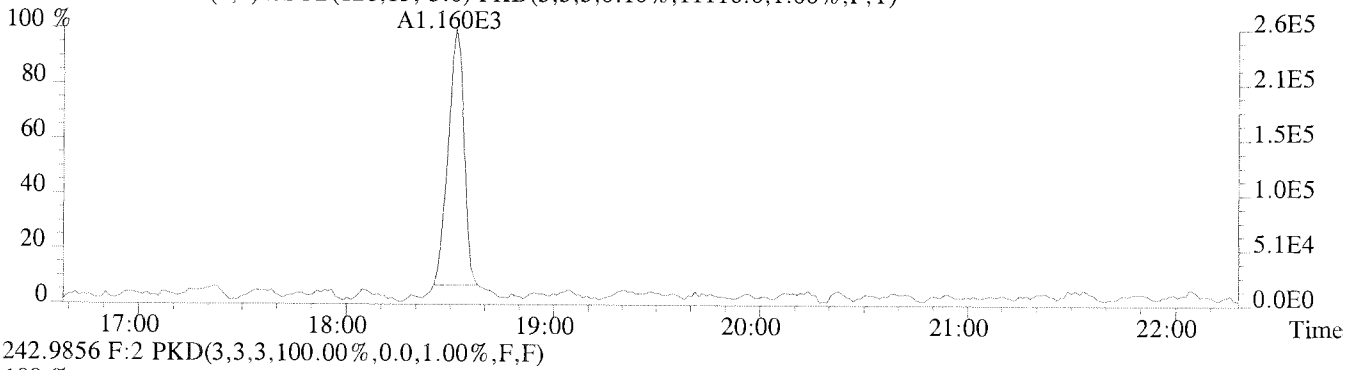
257.9584 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1168.0,1.00%,F,T)



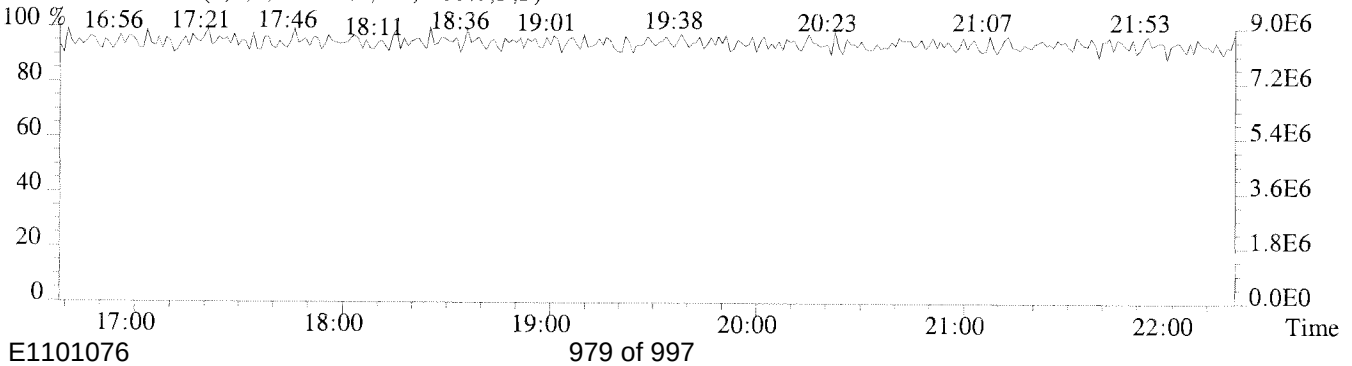
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13024.0,1.00%,F,T)



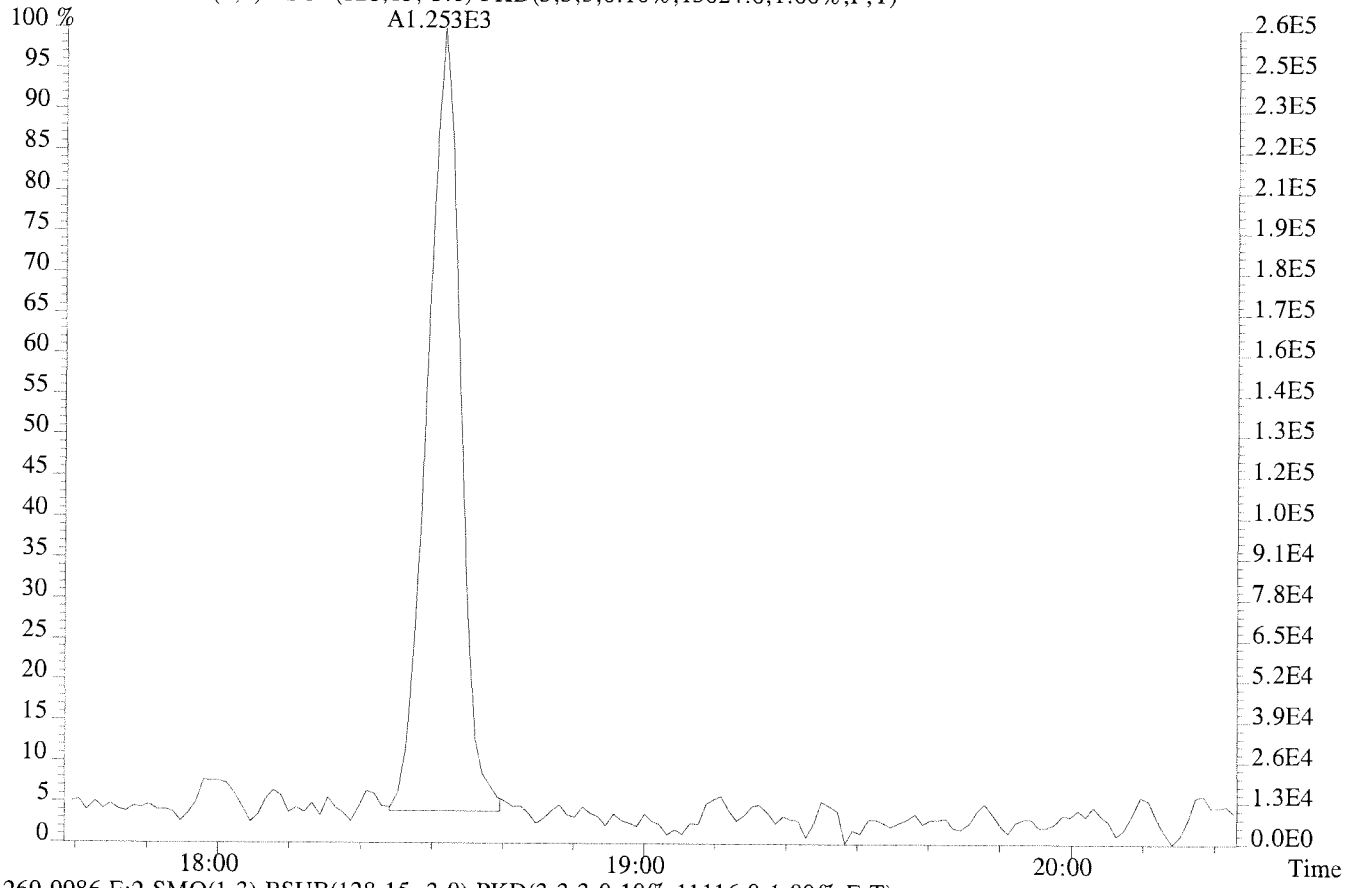
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11116.0,1.00%,F,T)



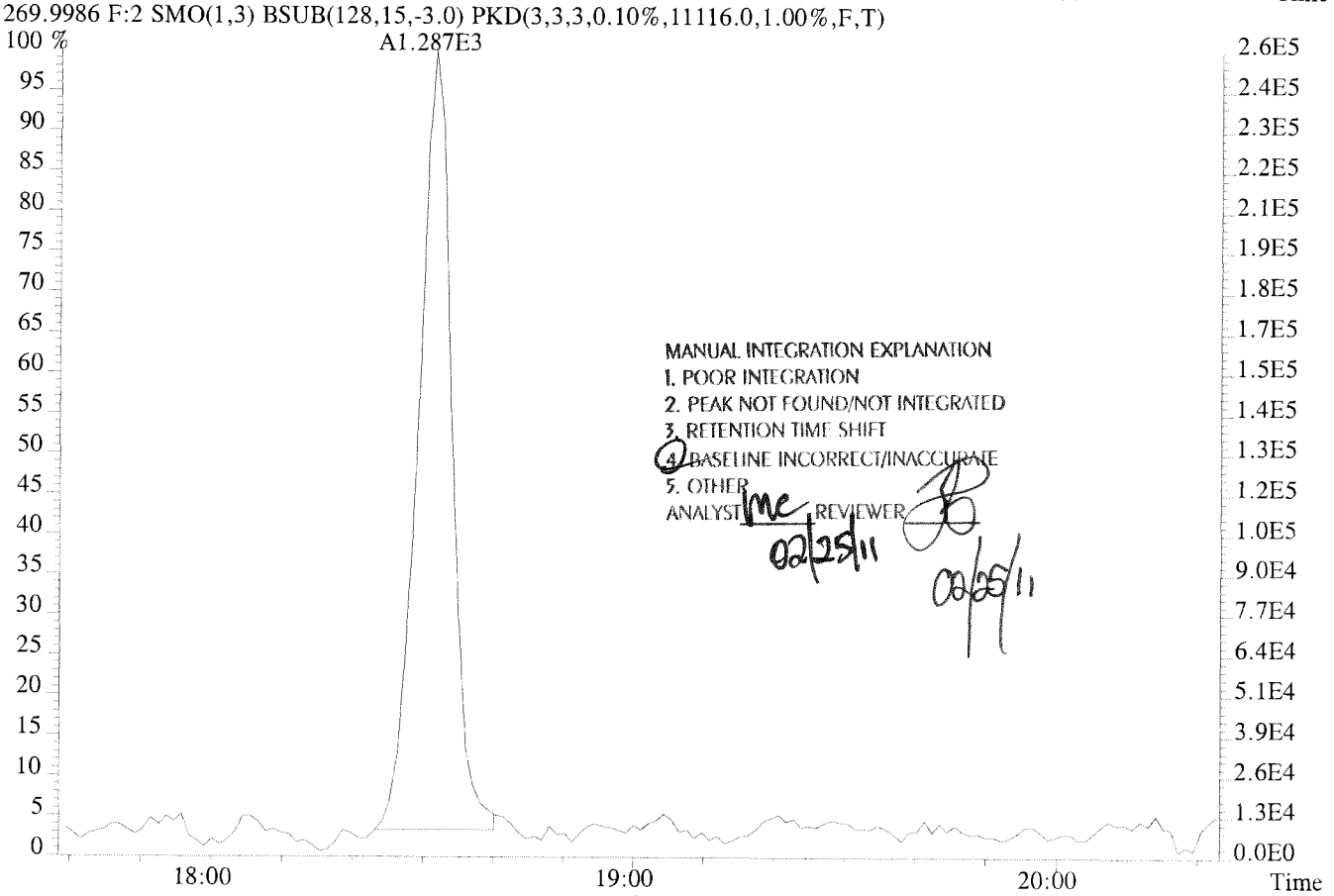
242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139146 #1-313 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6
268.0016 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,13024.0,1.00%,F,T)



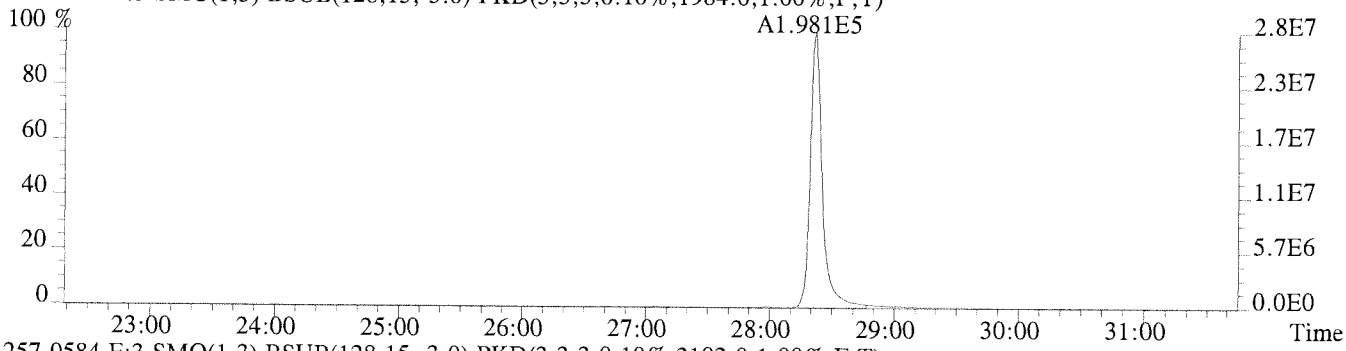
269.9986 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,11116.0,1.00%,F,T)



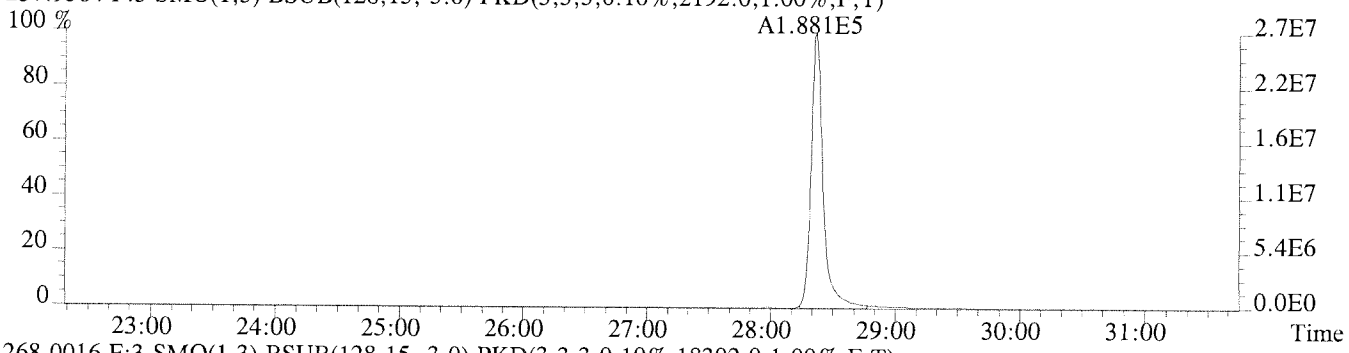
MANUAL INTEGRATION EXPLANATION
1. POOR INTEGRATION
2. PEAK NOT FOUND/NOT INTEGRATED
3. RETENTION TIME SHIFT
4. BASELINE INCORRECT/INACCURATE
5. OTHER
ANALYST mc REVIEWER
02/25/11
02/25/11

File:U139146 #1-604 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

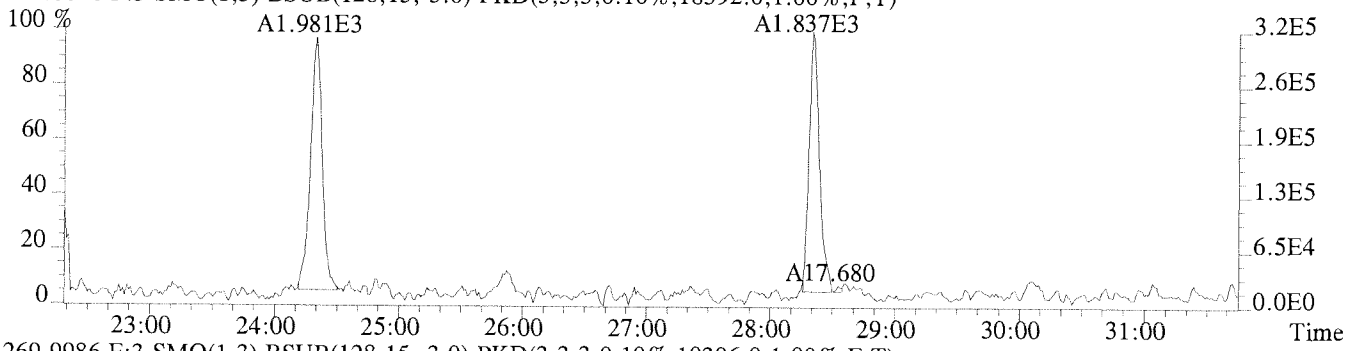
255.9613 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1984.0,1.00%,F,T)



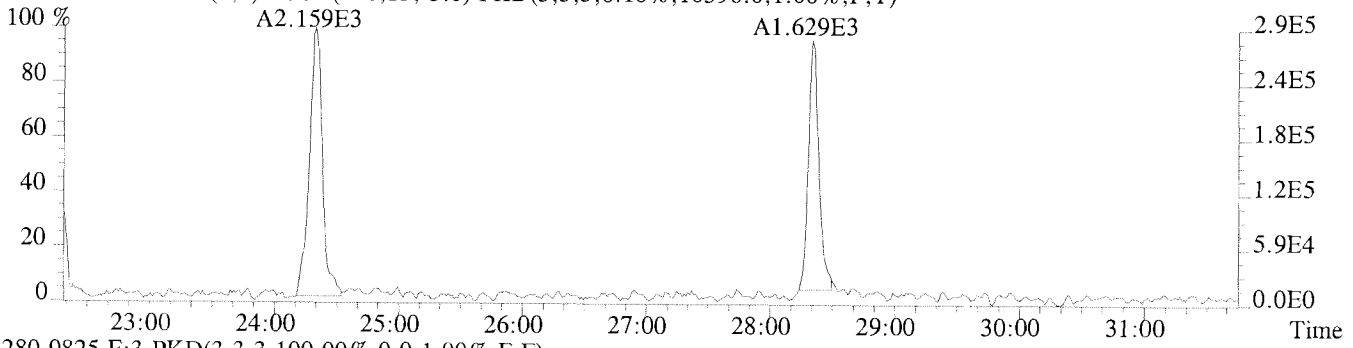
257.9584 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2192.0,1.00%,F,T)



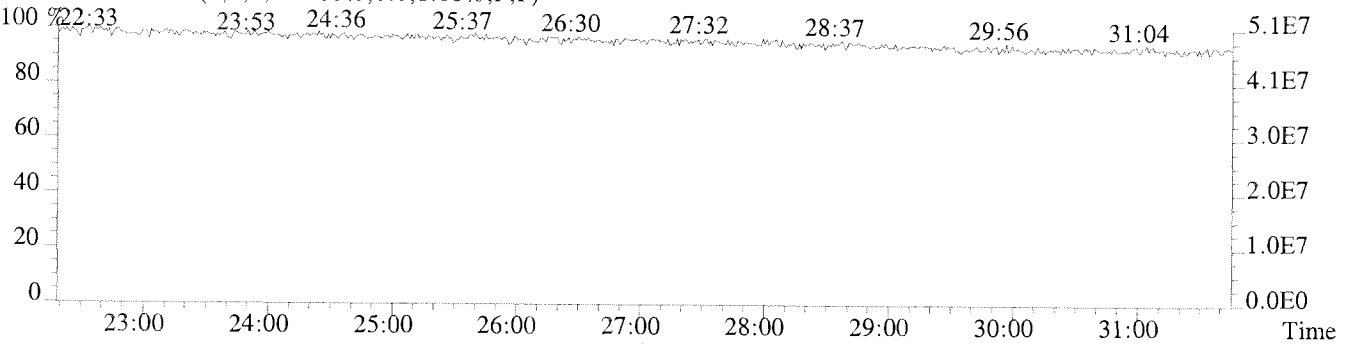
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18392.0,1.00%,F,T)



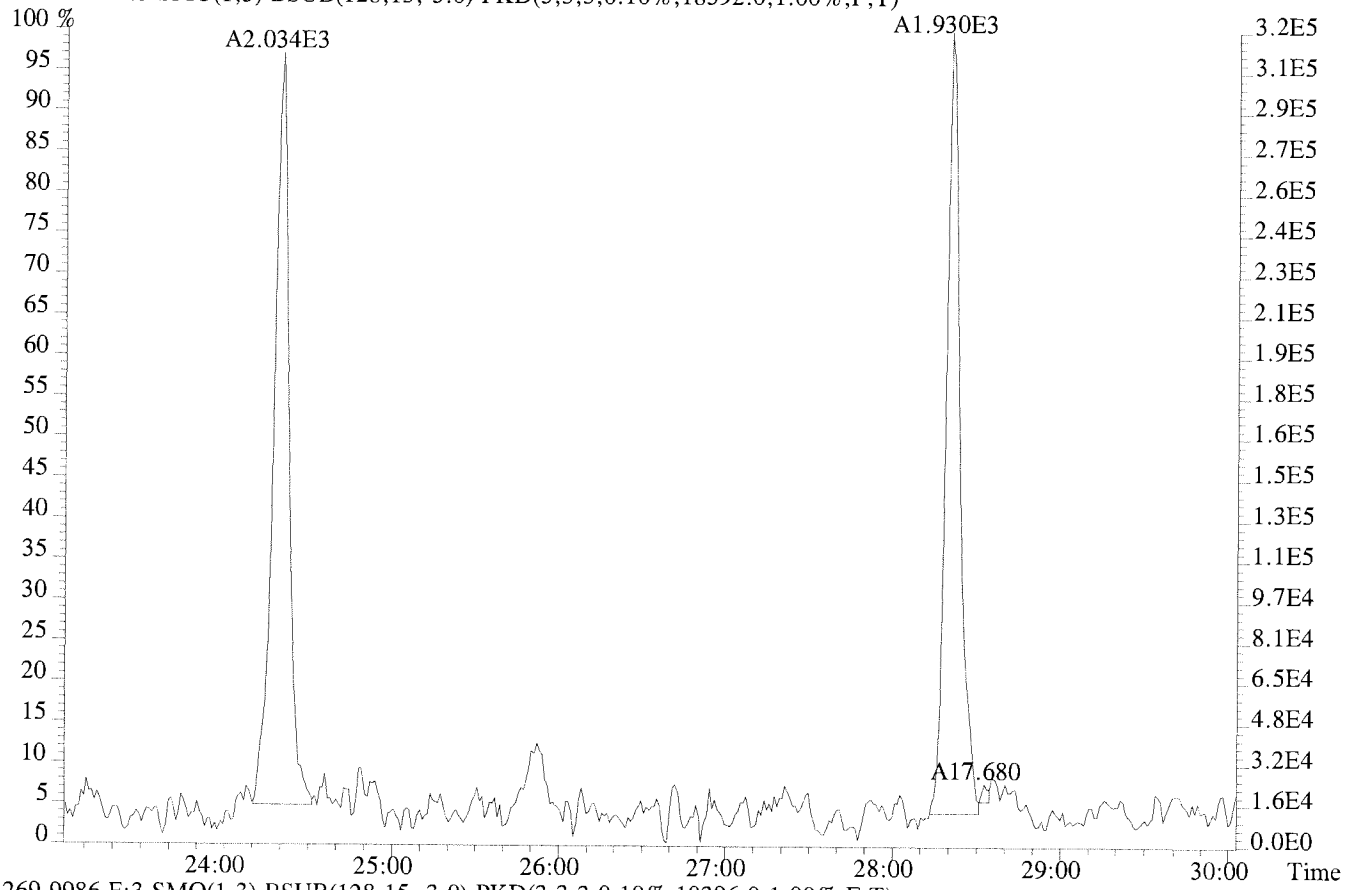
269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10396.0,1.00%,F,T)



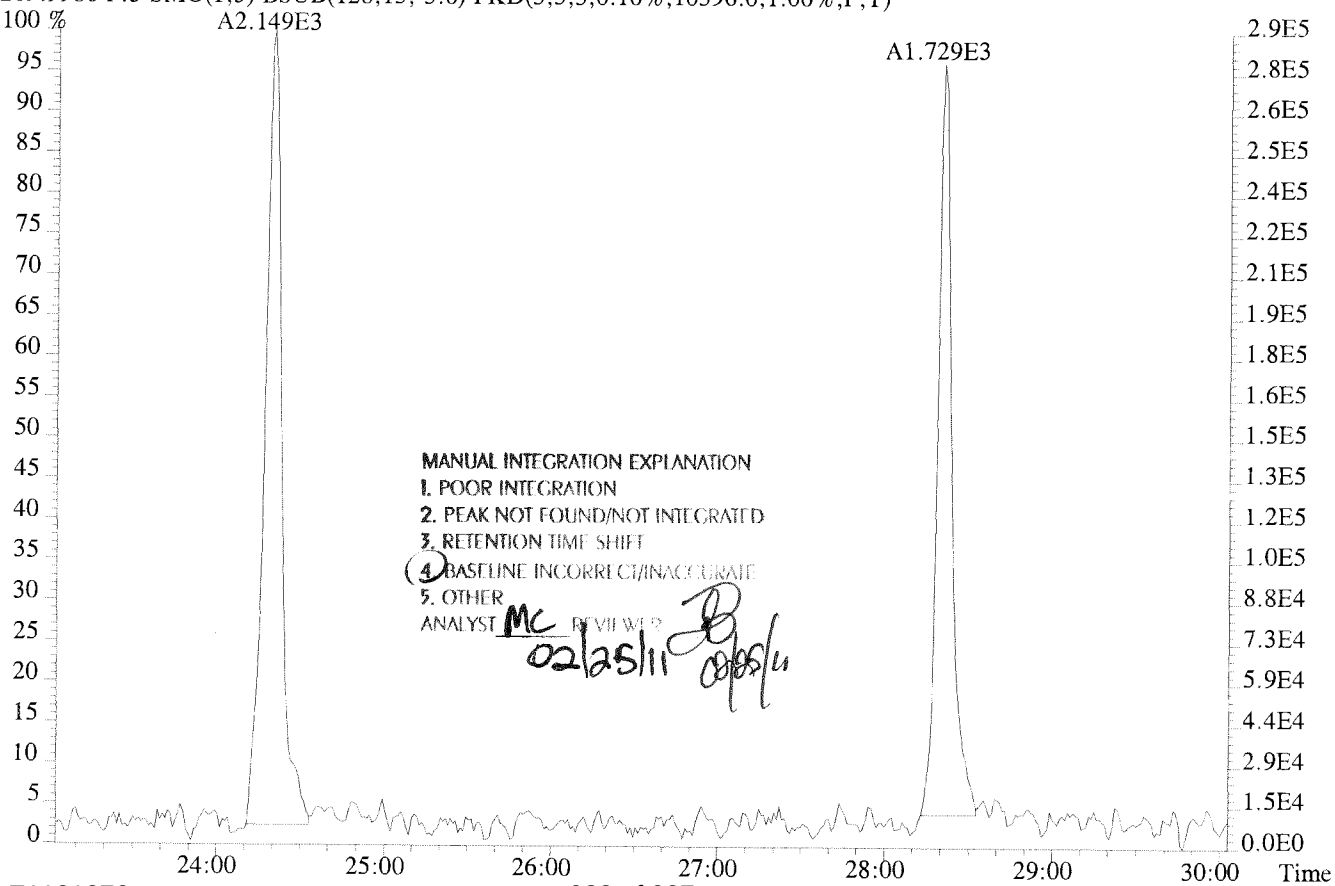
280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)



File:U139146 #1-604 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6
268.0016 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,18392.0,1.00%,F,T)

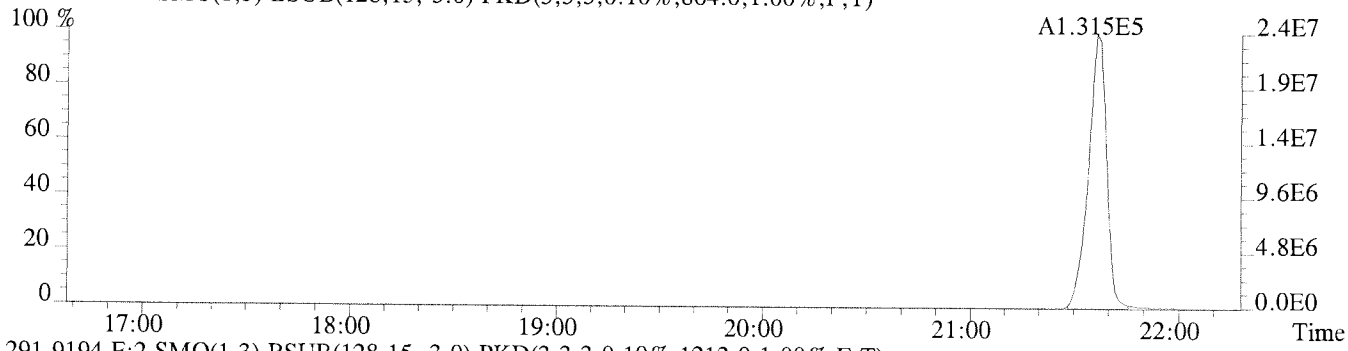


269.9986 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,10396.0,1.00%,F,T)

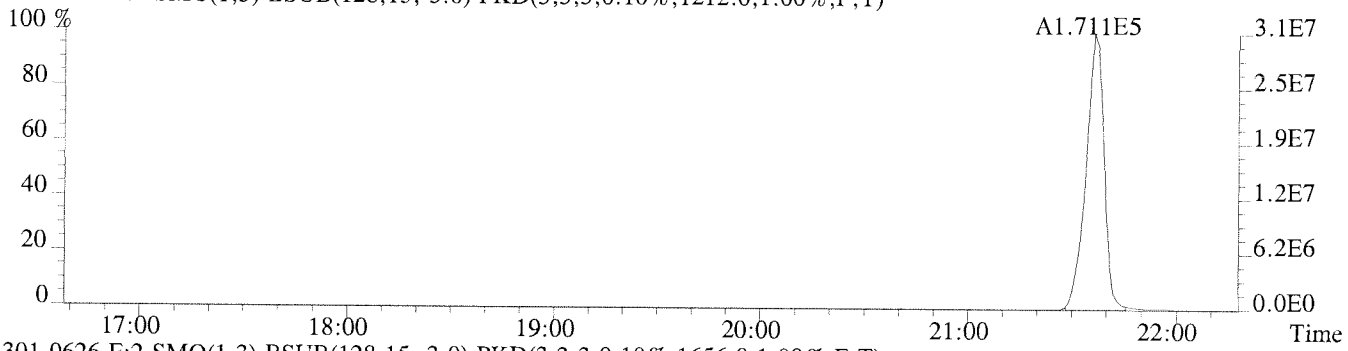


File:U139146 #1-313 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

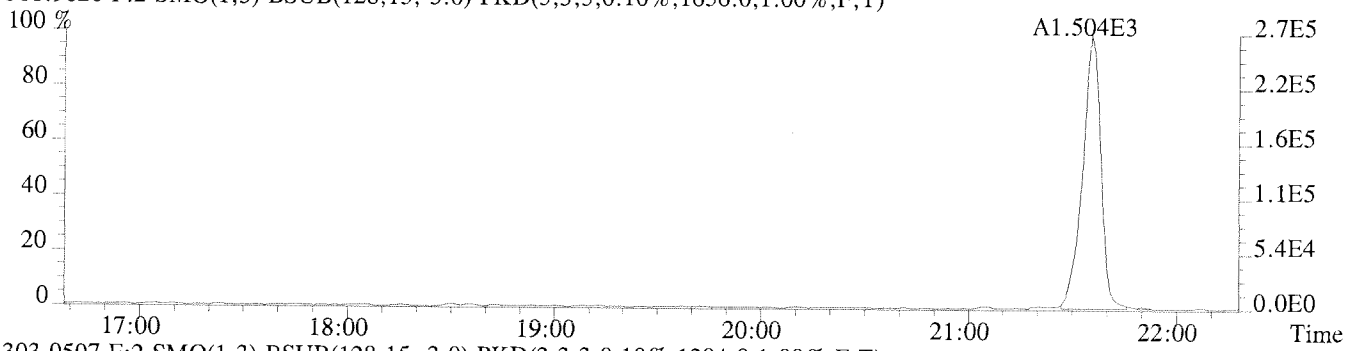
289.9224 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,864.0,1.00%,F,T)



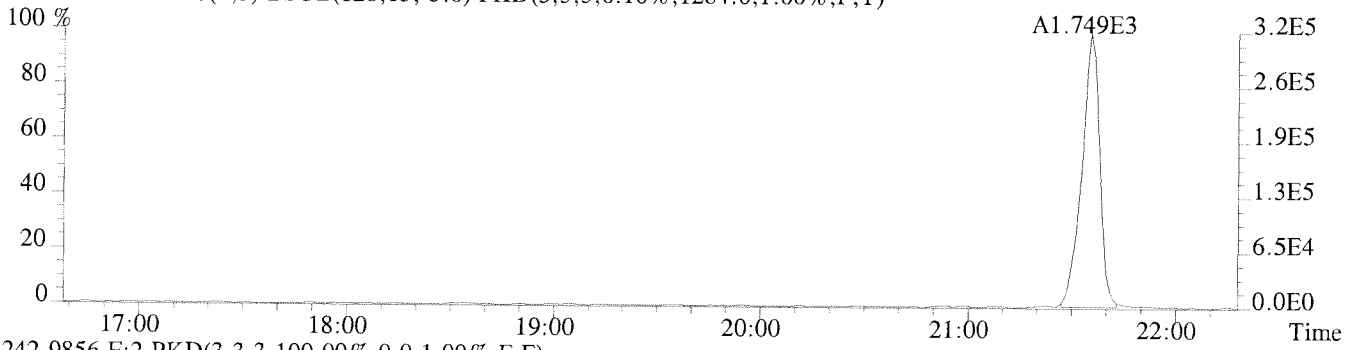
291.9194 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1212.0,1.00%,F,T)



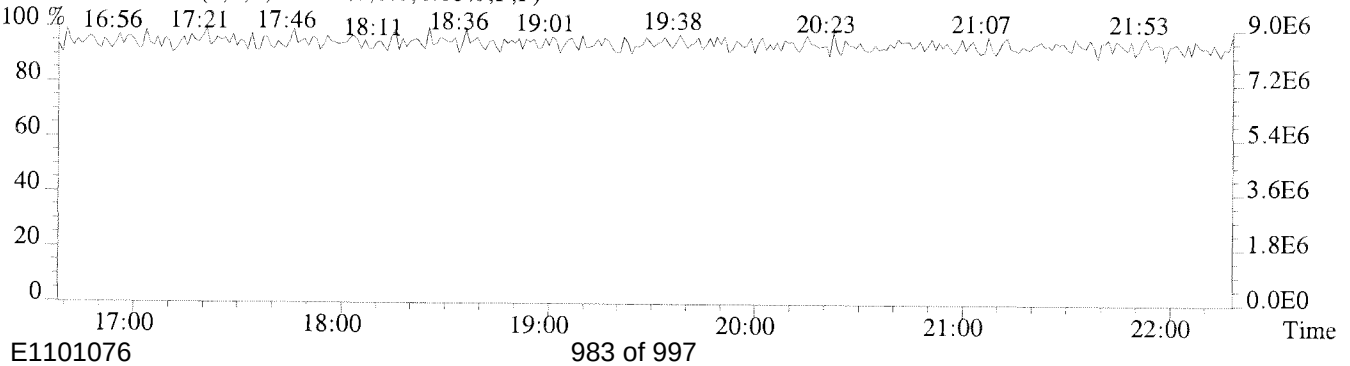
301.9626 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1656.0,1.00%,F,T)



303.9597 F:2 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1284.0,1.00%,F,T)

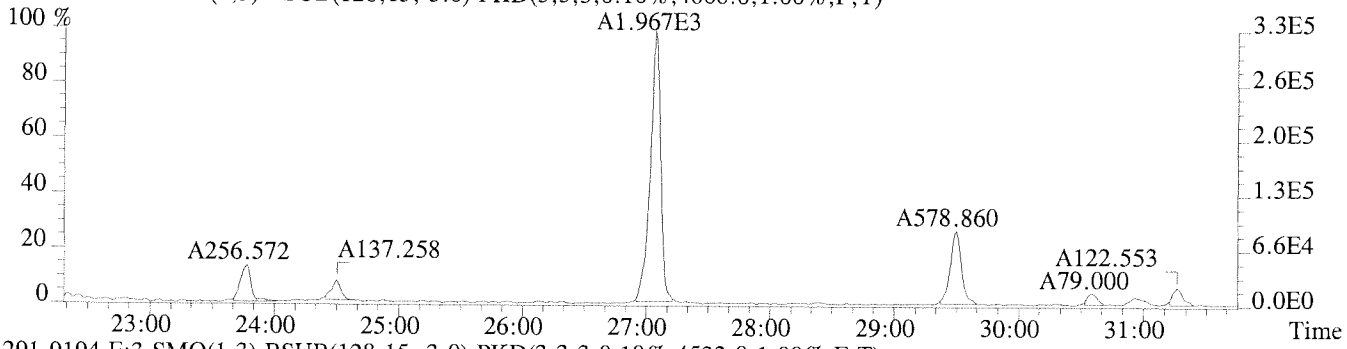


242.9856 F:2 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

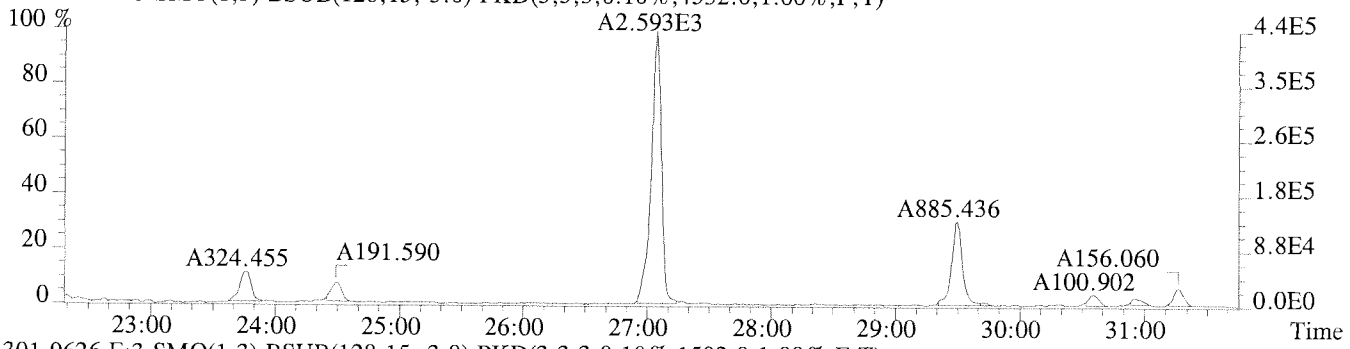


File:U139146 #1-604 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

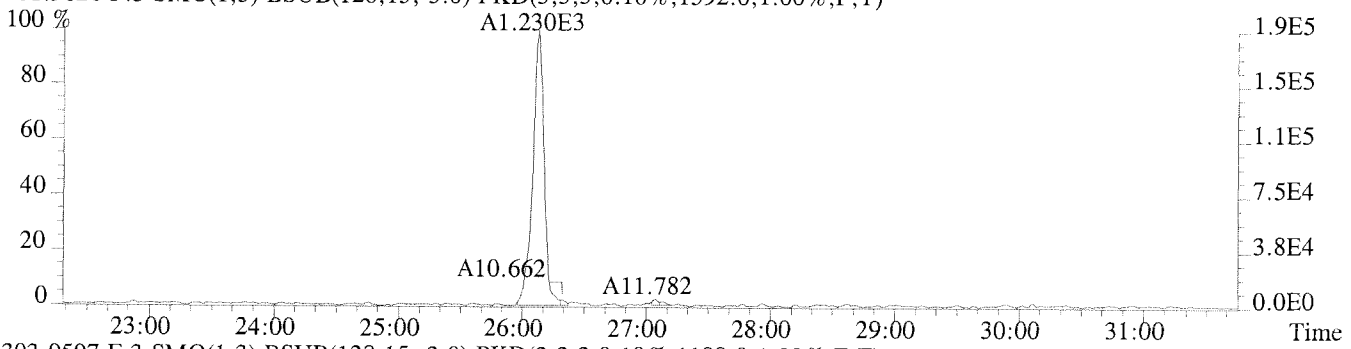
289.9224 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4068.0,1.00%,F,T)



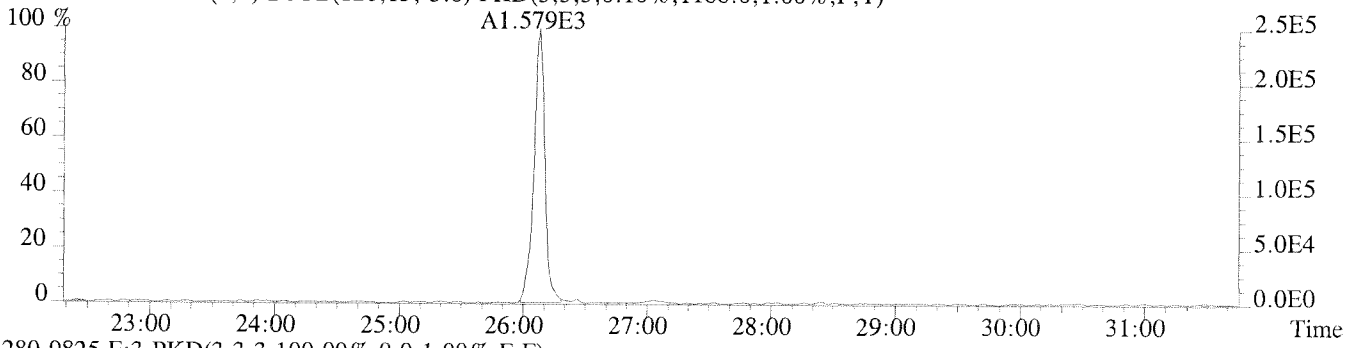
291.9194 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,4532.0,1.00%,F,T)



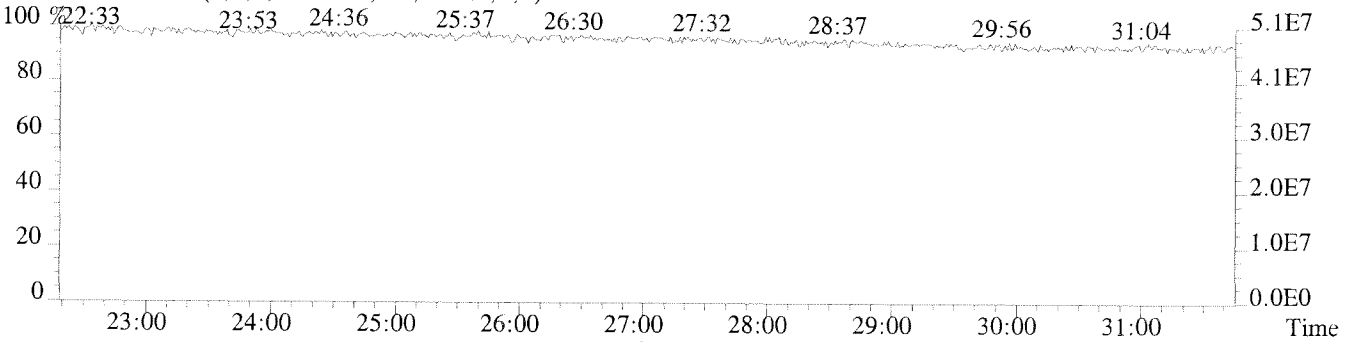
301.9626 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1592.0,1.00%,F,T)



303.9597 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1188.0,1.00%,F,T)

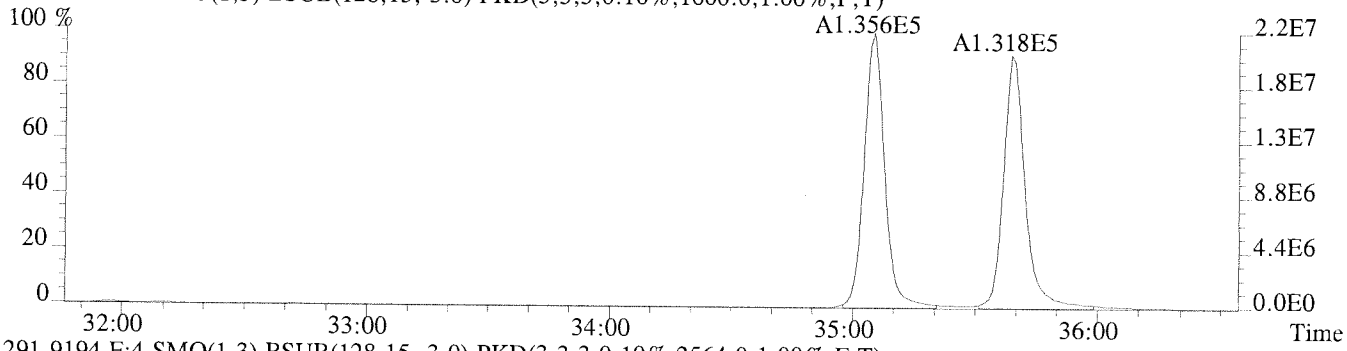


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

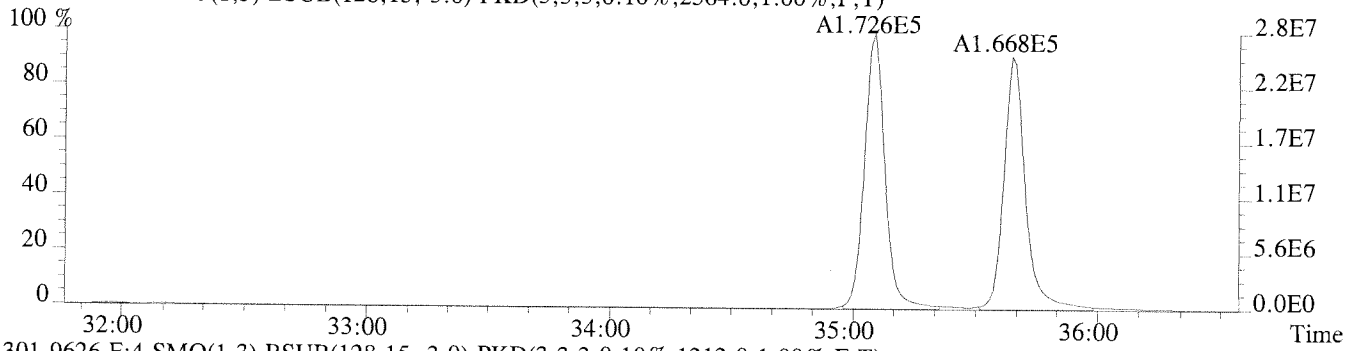


File:U139146 #1-308 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

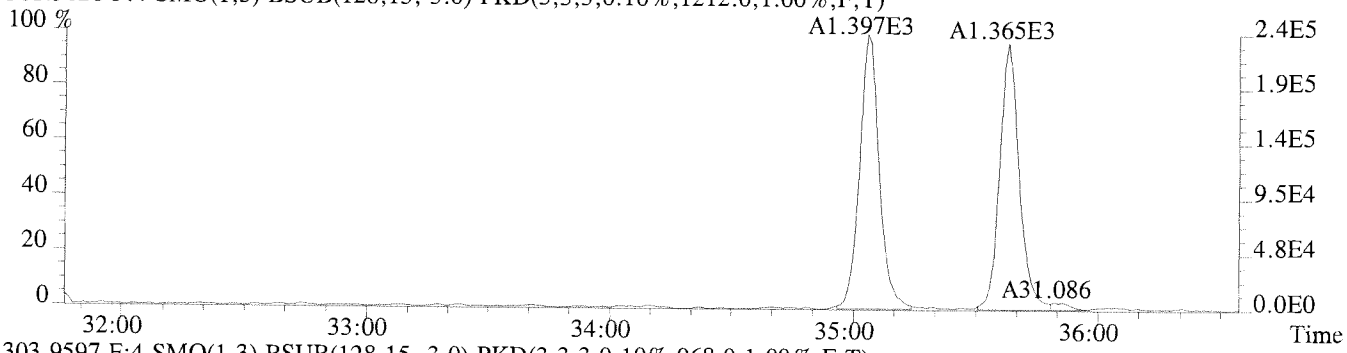
289.9224 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1600.0,1.00%,F,T)



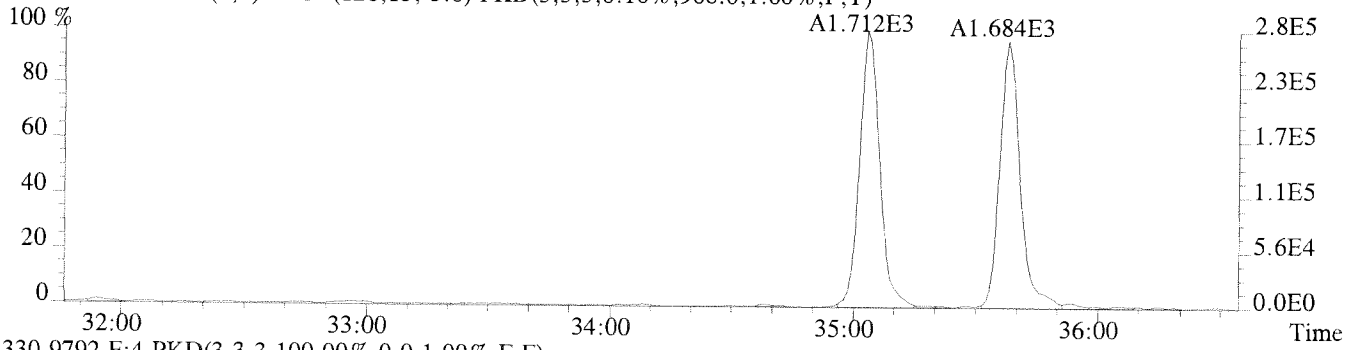
291.9194 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2564.0,1.00%,F,T)



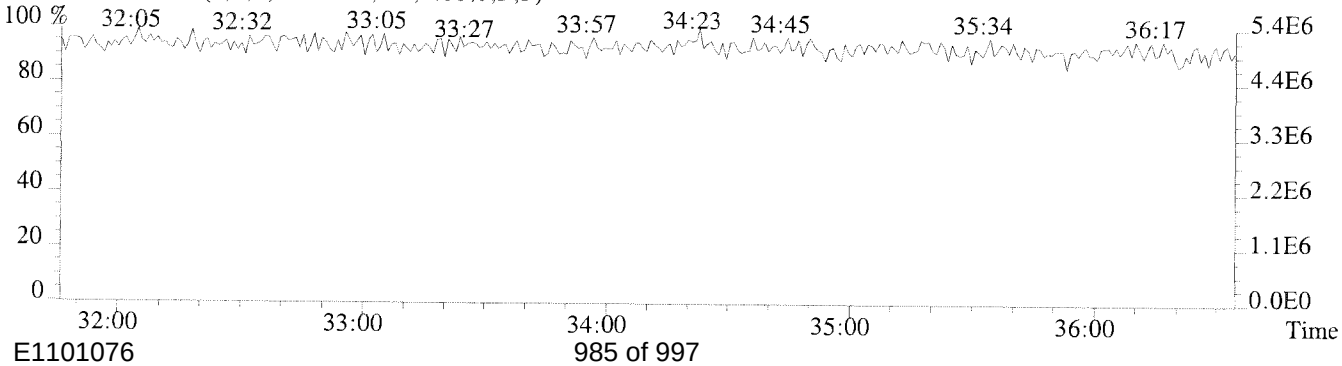
301.9626 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1212.0,1.00%,F,T)



303.9597 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,968.0,1.00%,F,T)

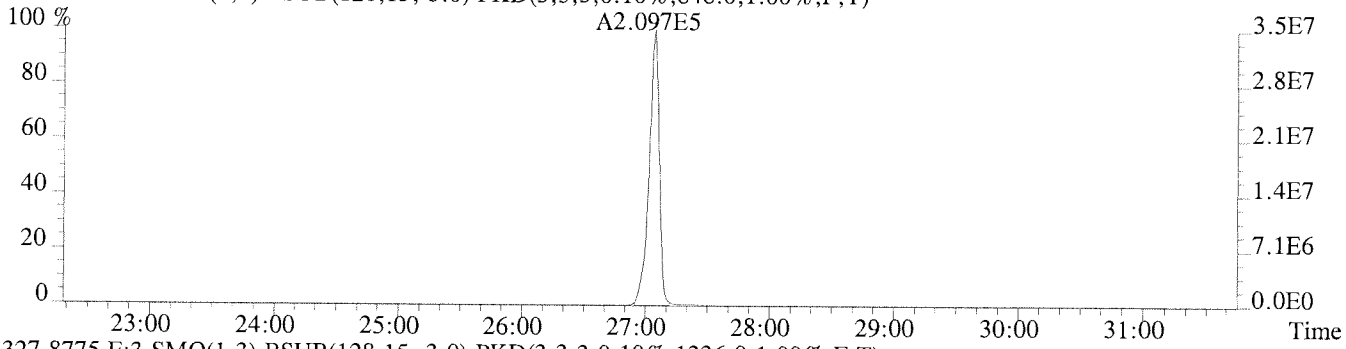


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

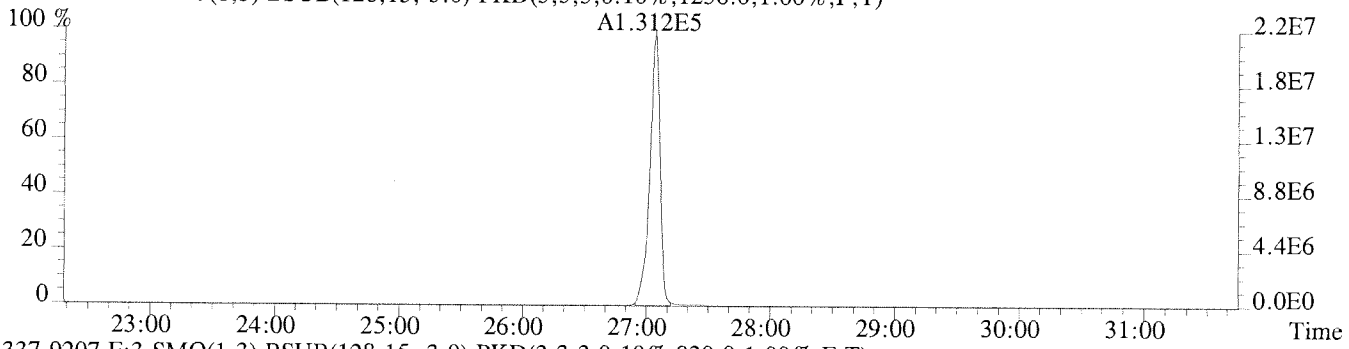


File:U139146 #1-604 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

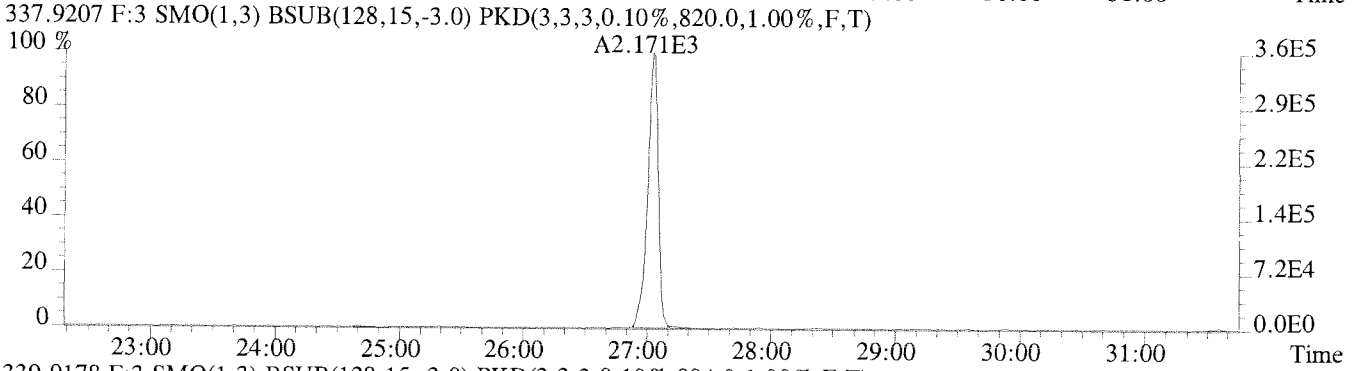
325.8804 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,848.0,1.00%,F,T)



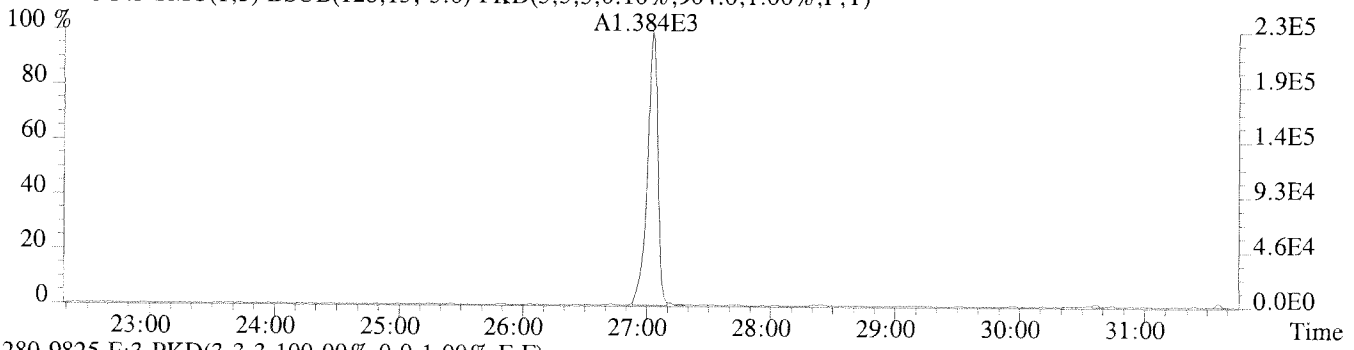
327.8775 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1236.0,1.00%,F,T)



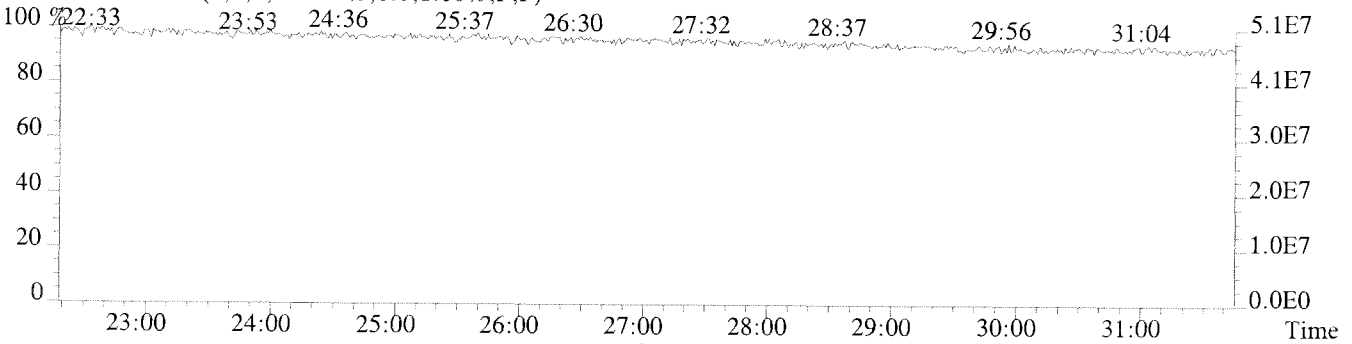
337.9207 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,820.0,1.00%,F,T)



339.9178 F:3 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,904.0,1.00%,F,T)

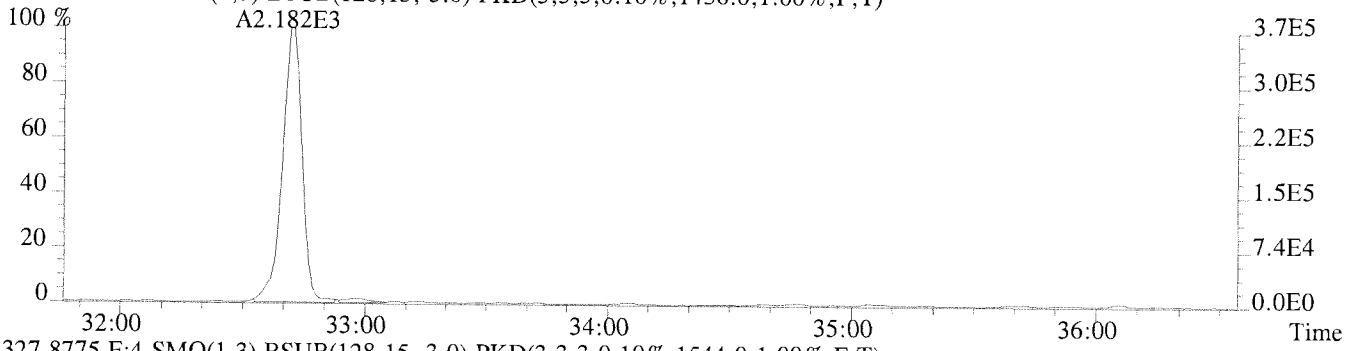


280.9825 F:3 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

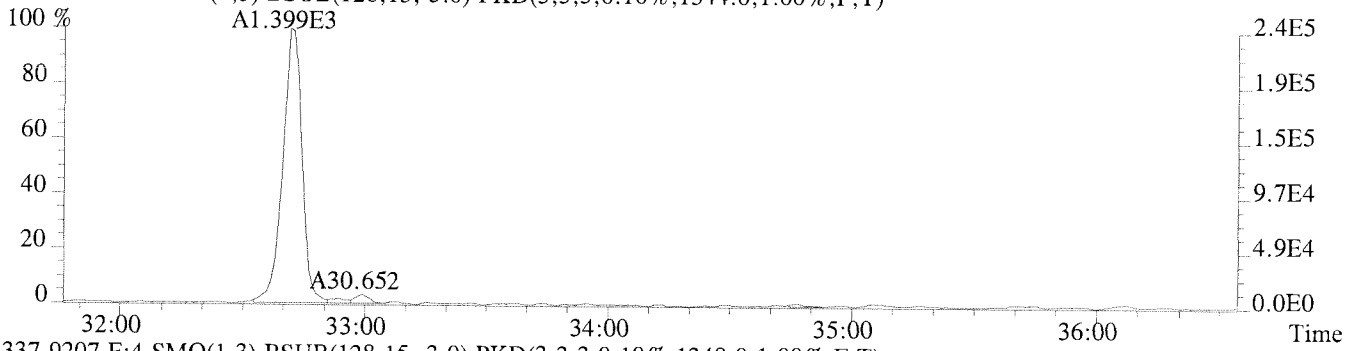


File:U139146 #1-308 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

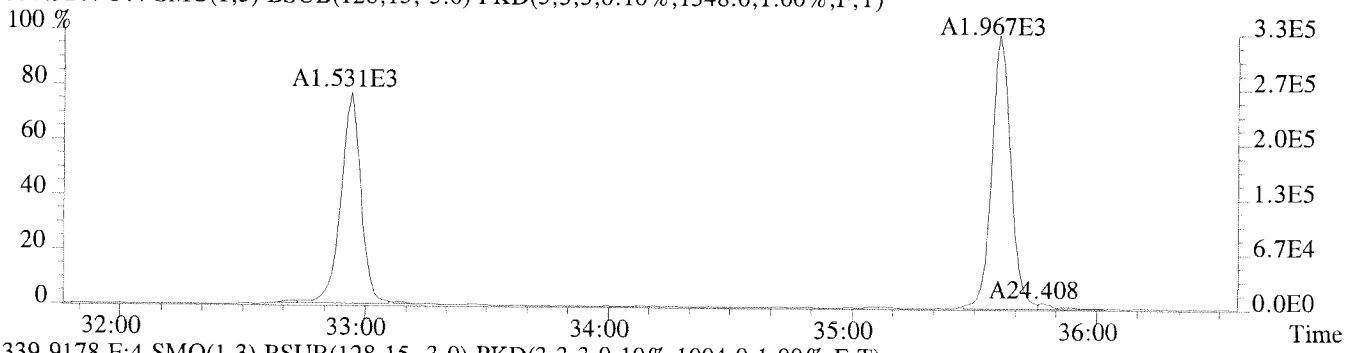
325.8804 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1456.0,1.00%,F,T)



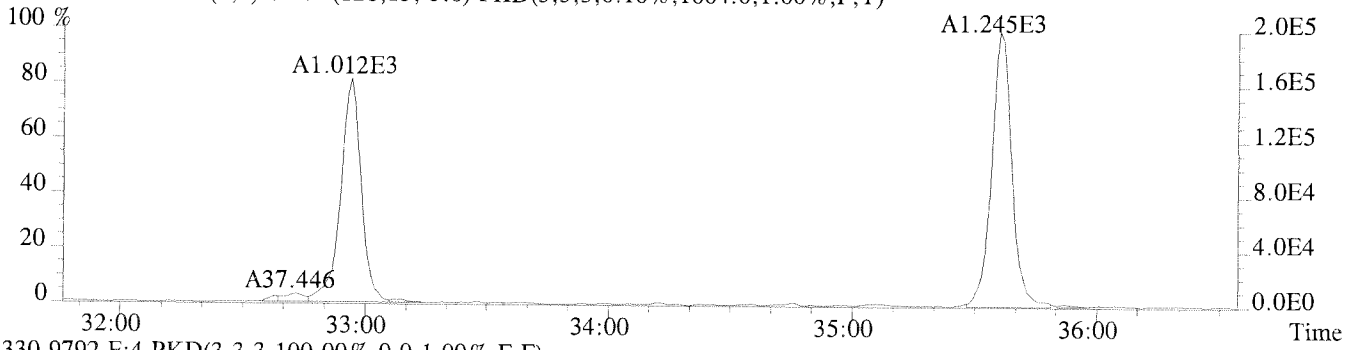
327.8775 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1544.0,1.00%,F,T)



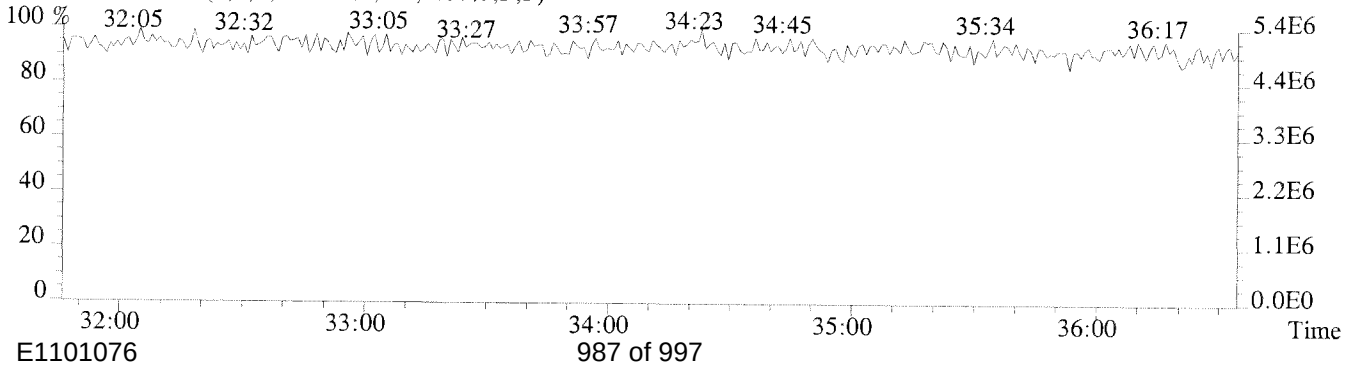
337.9207 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1348.0,1.00%,F,T)



339.9178 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)

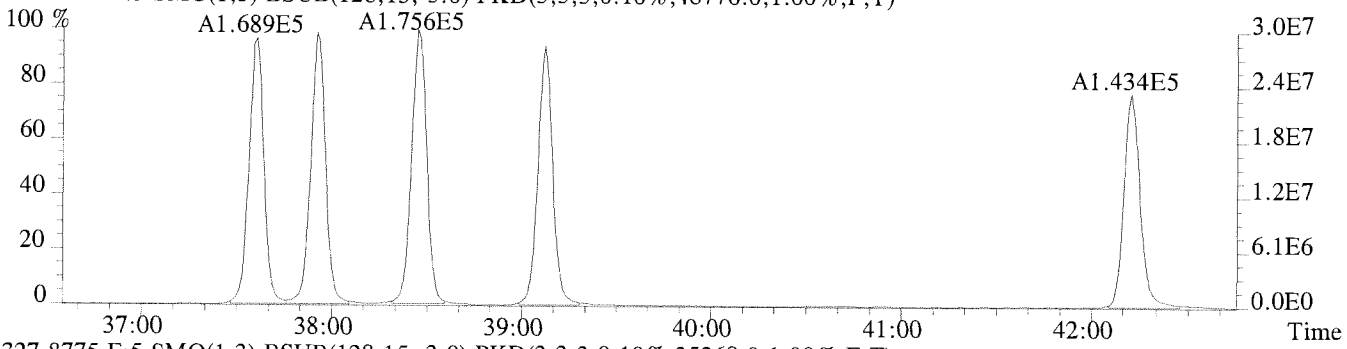


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

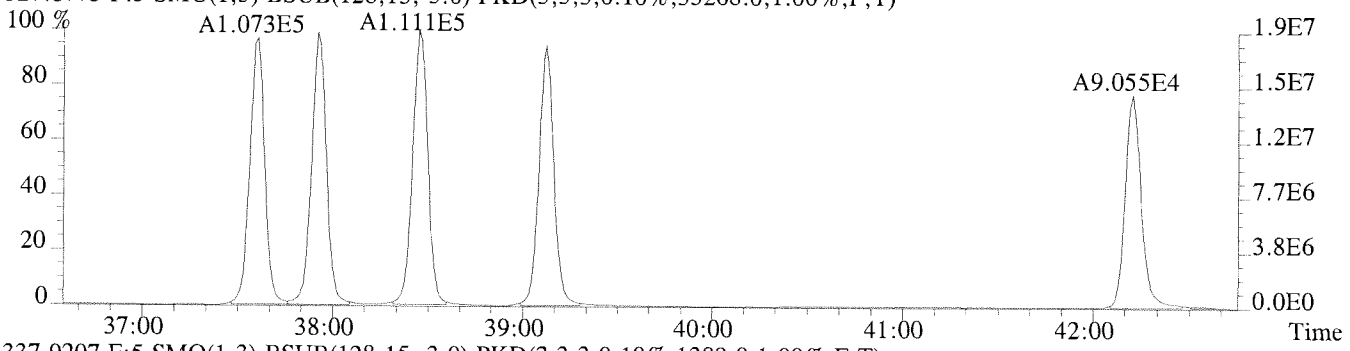


File:U139146 #1-395 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

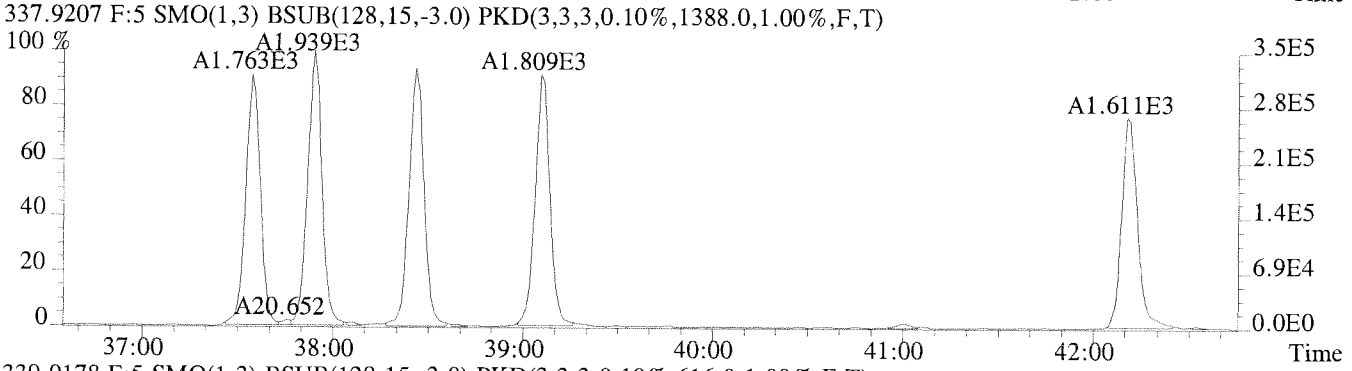
325.8804 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,48776.0,1.00%,F,T)



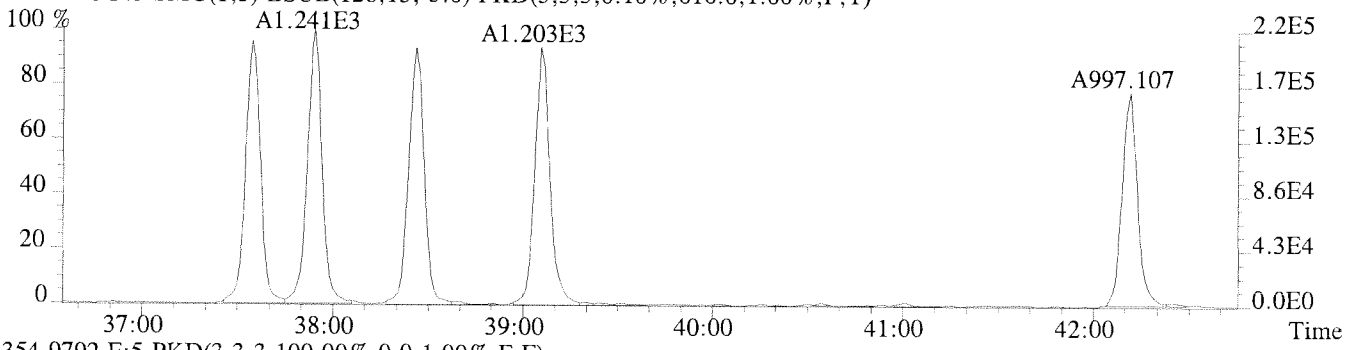
327.8775 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,35268.0,1.00%,F,T)



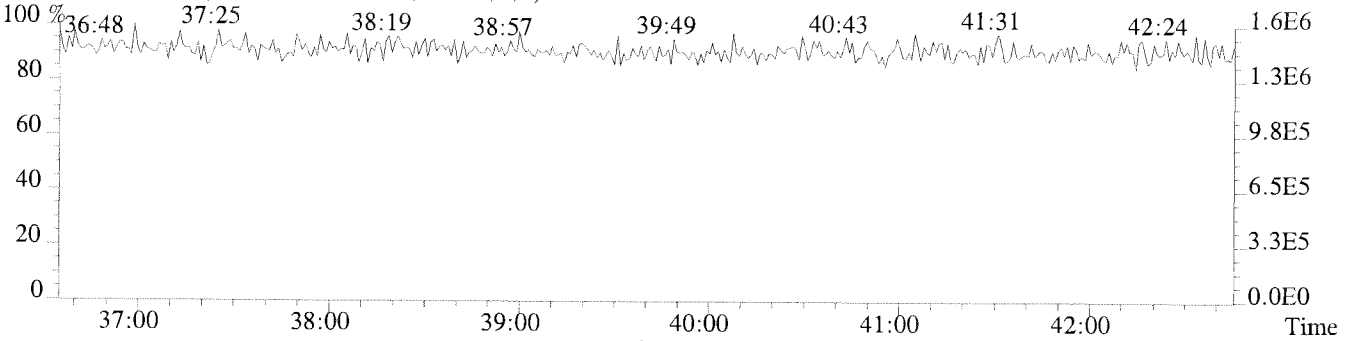
337.9207 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1388.0,1.00%,F,T)



339.9178 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,616.0,1.00%,F,T)

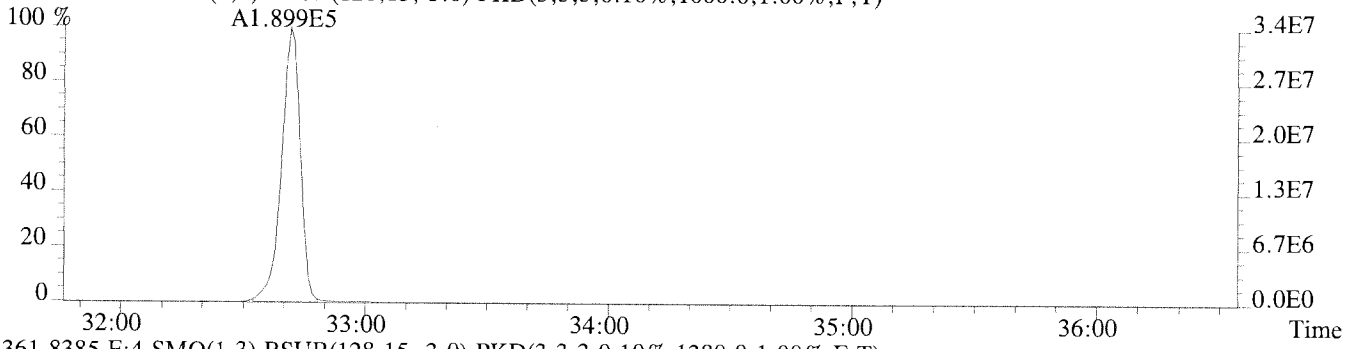


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

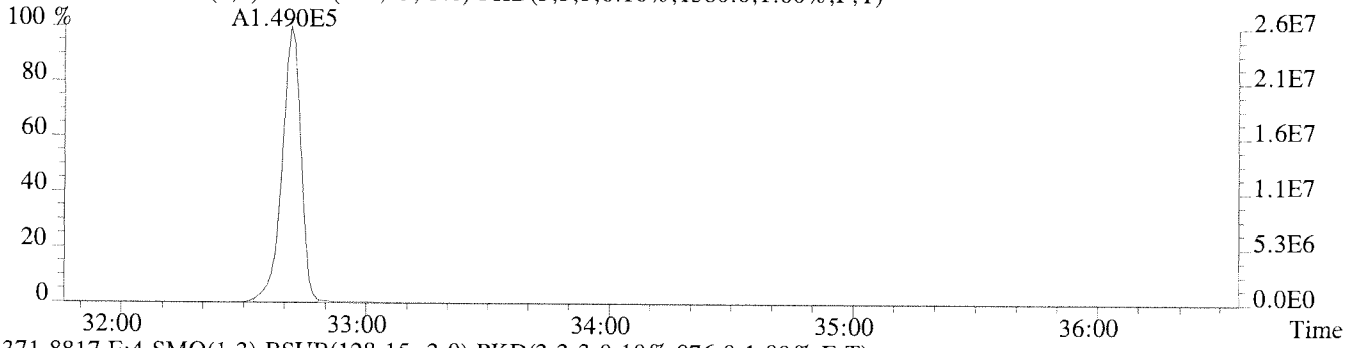


File:U139146 #1-308 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:1CAL CS6

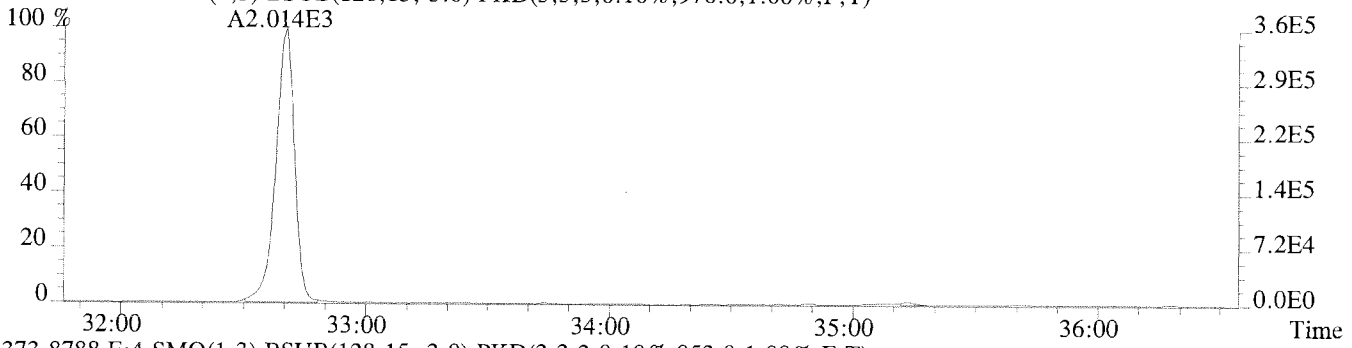
359.8415 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1000.0,1.00%,F,T)



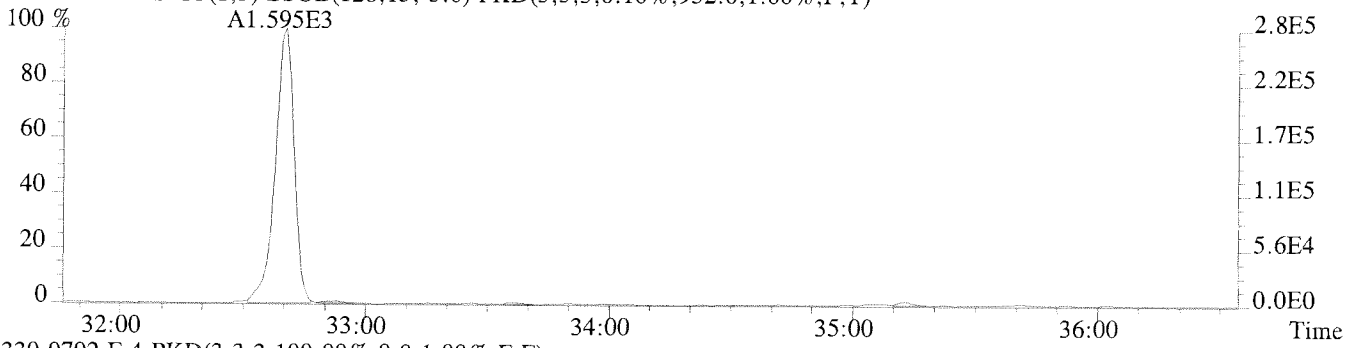
361.8385 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1380.0,1.00%,F,T)



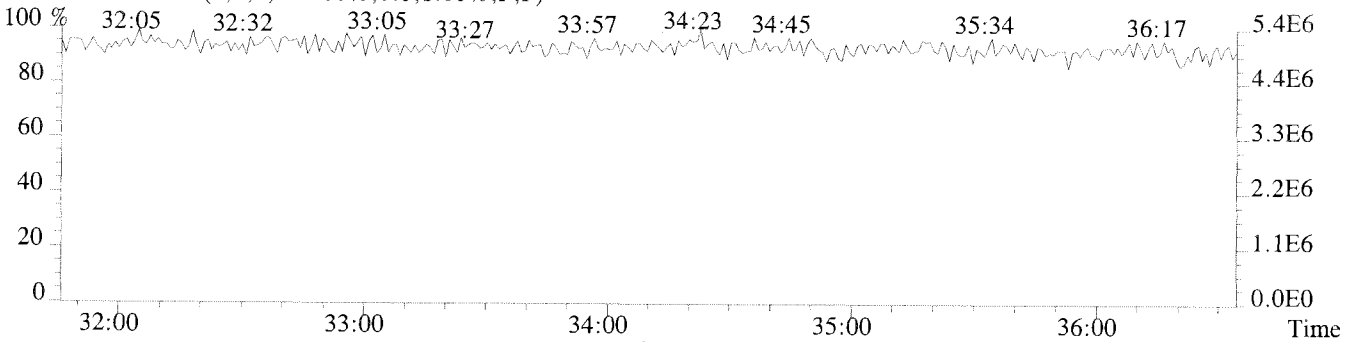
371.8817 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,976.0,1.00%,F,T)



373.8788 F:4 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,952.0,1.00%,F,T)

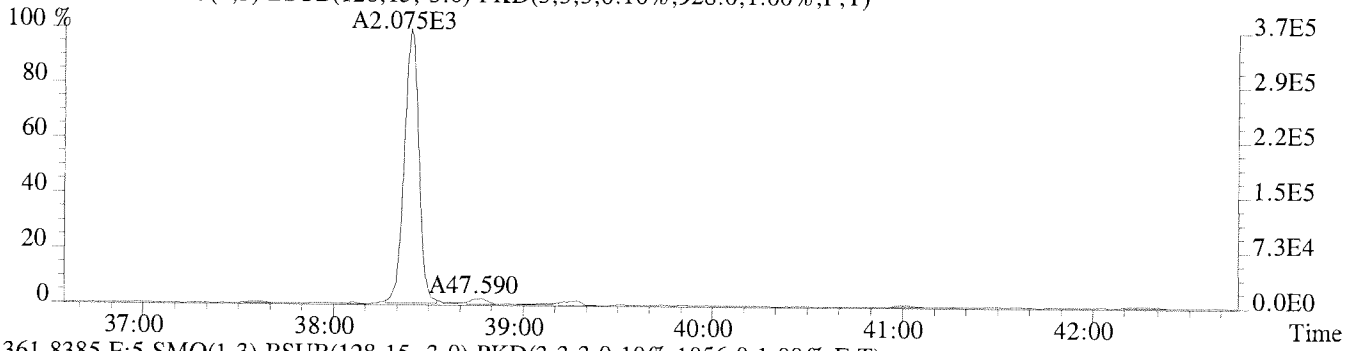


330.9792 F:4 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

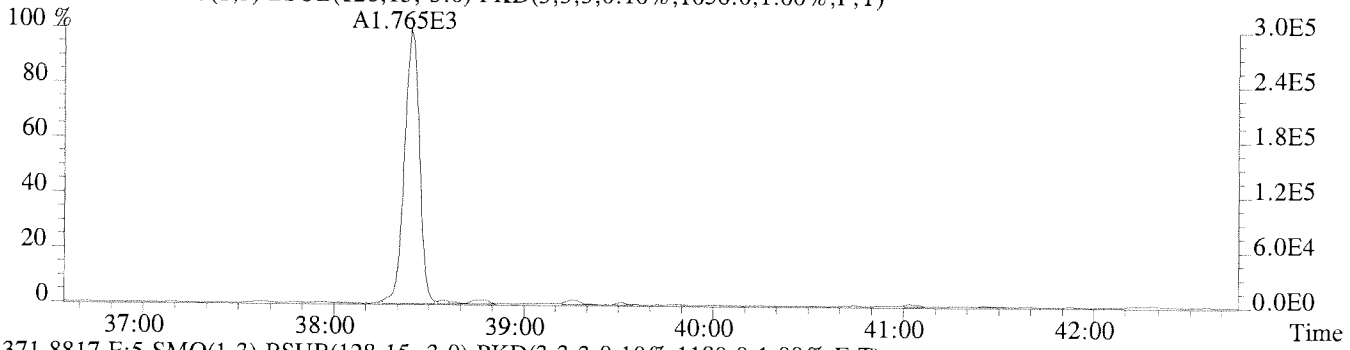


File:U139146 #1-395 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

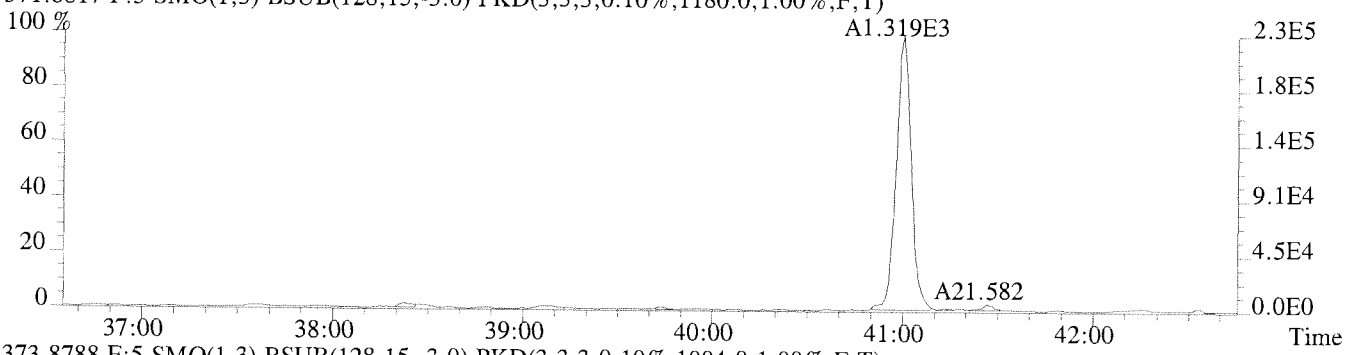
359.8415 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,928.0,1.00%,F,T)



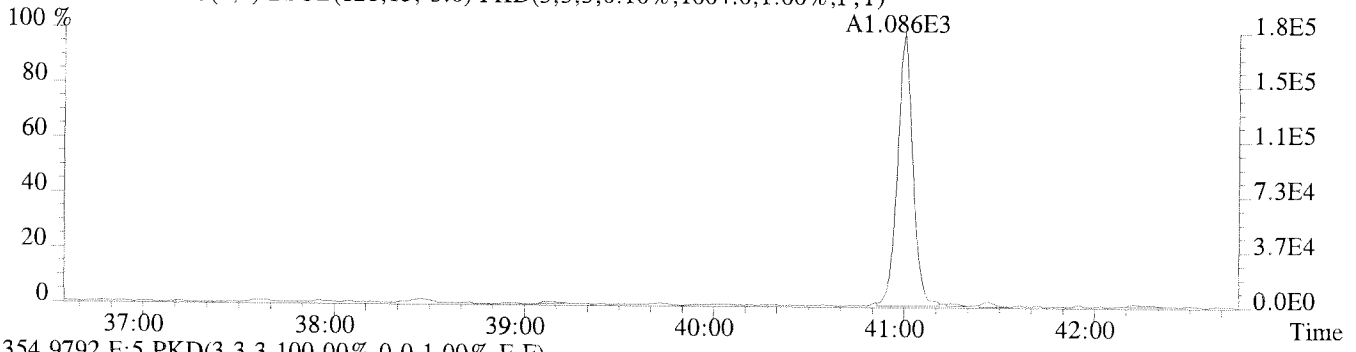
361.8385 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1056.0,1.00%,F,T)



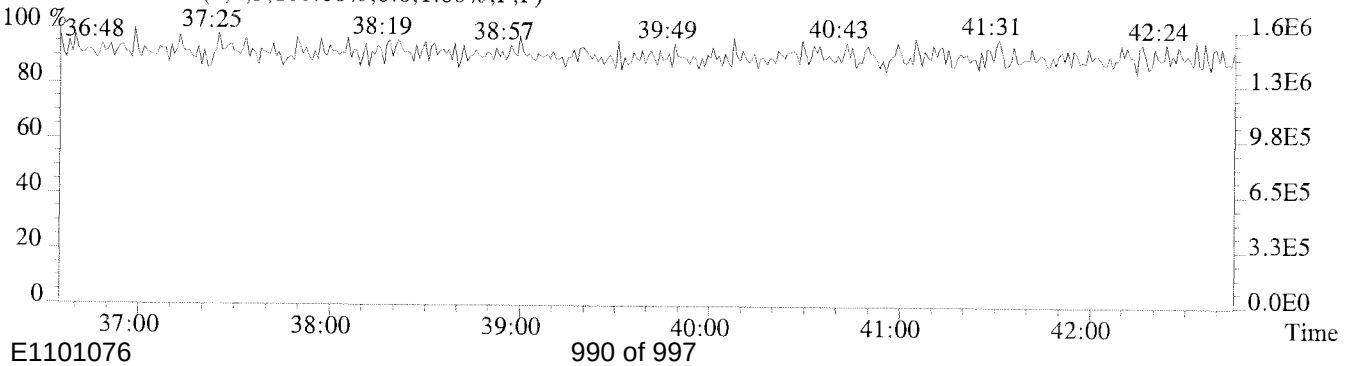
371.8817 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1180.0,1.00%,F,T)



373.8788 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1004.0,1.00%,F,T)

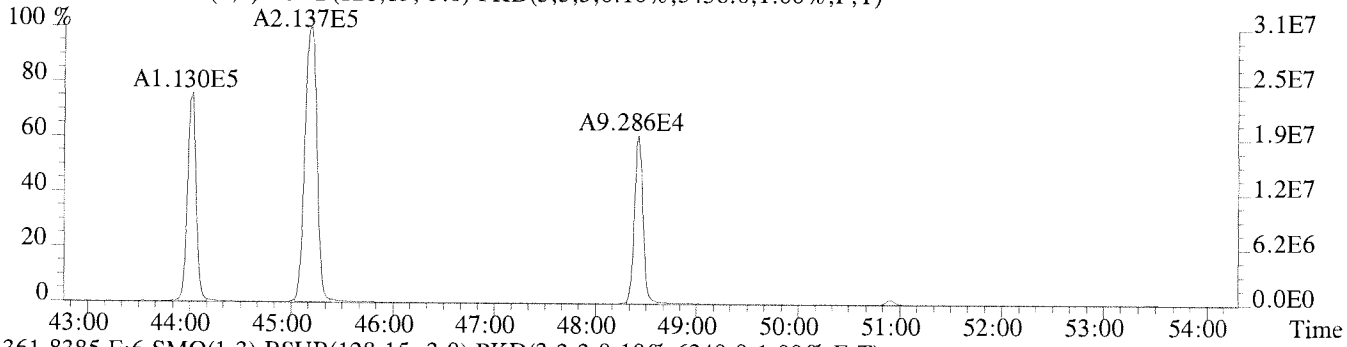


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

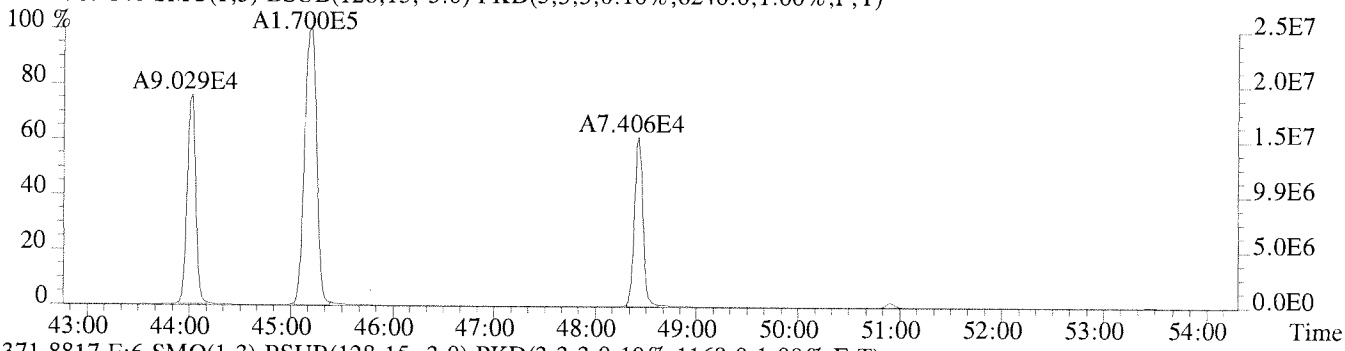


File:U139146 #1-572 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

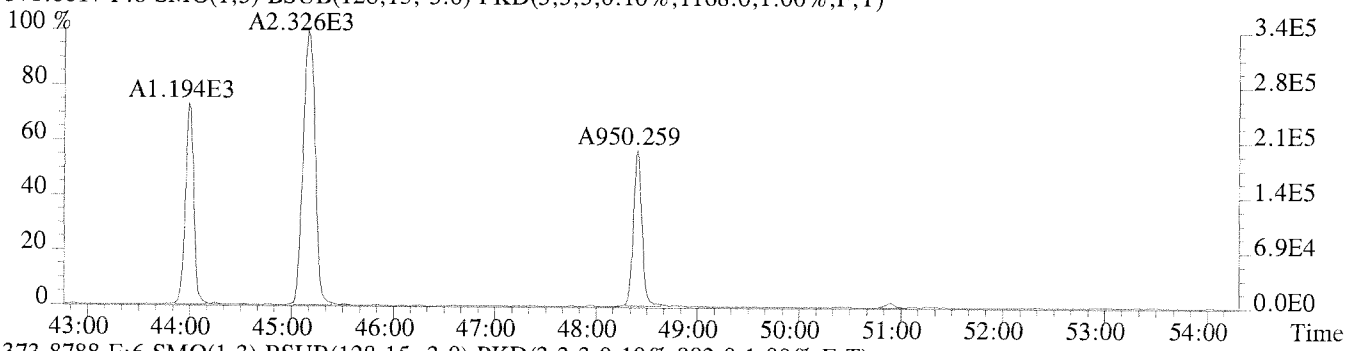
359.8415 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,5456.0,1.00%,F,T)



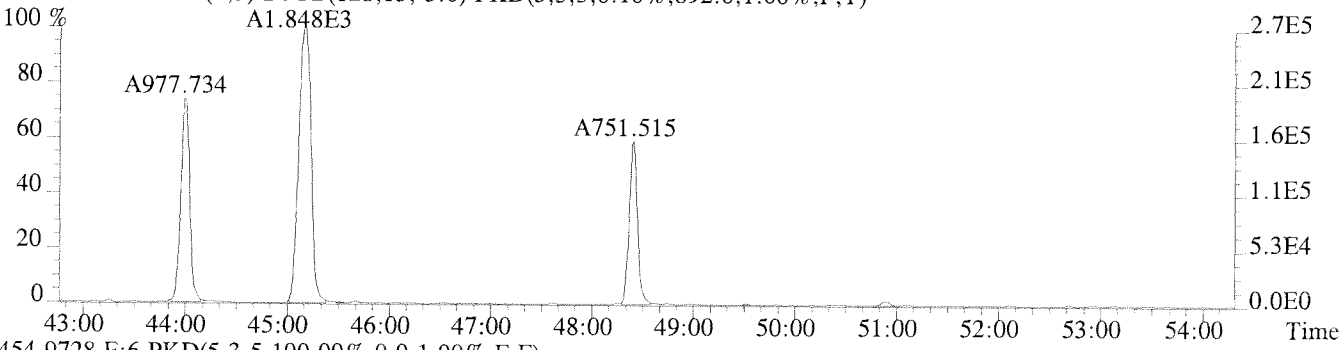
361.8385 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,6240.0,1.00%,F,T)



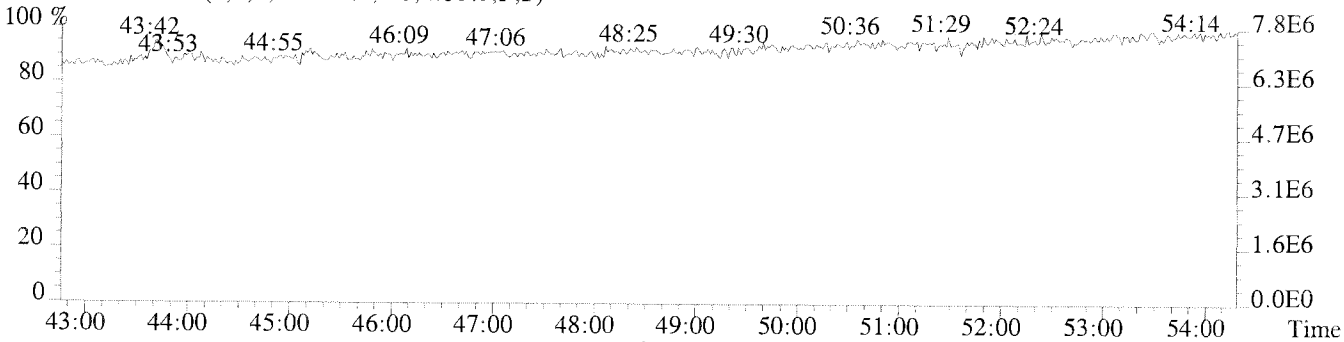
371.8817 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1168.0,1.00%,F,T)



373.8788 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,892.0,1.00%,F,T)

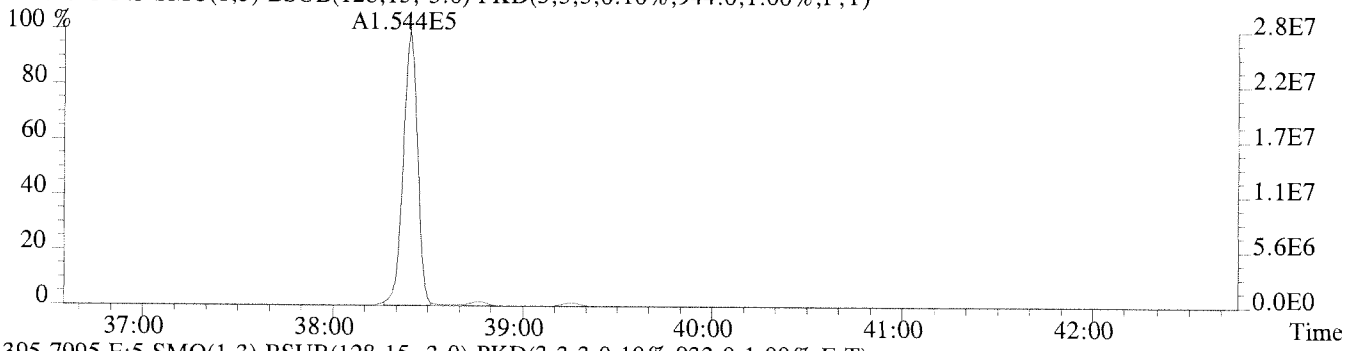


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

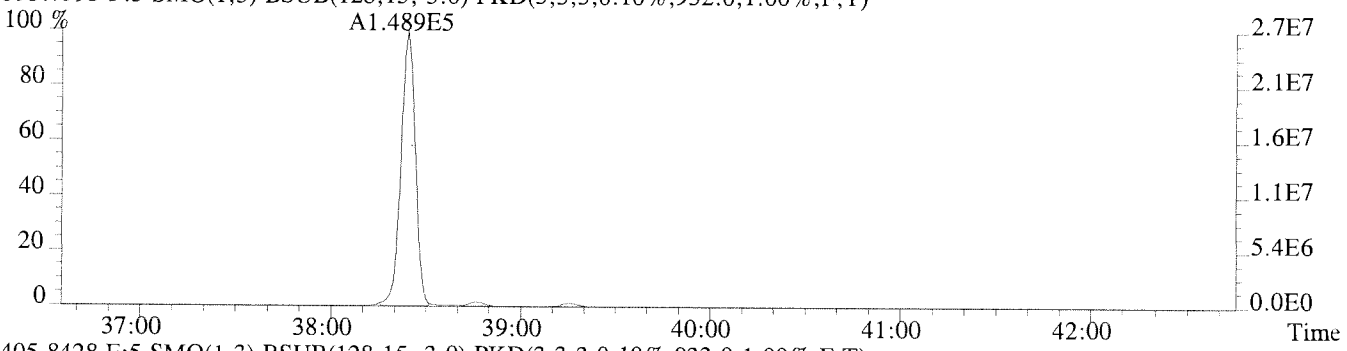


File:U139146 #1-395 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

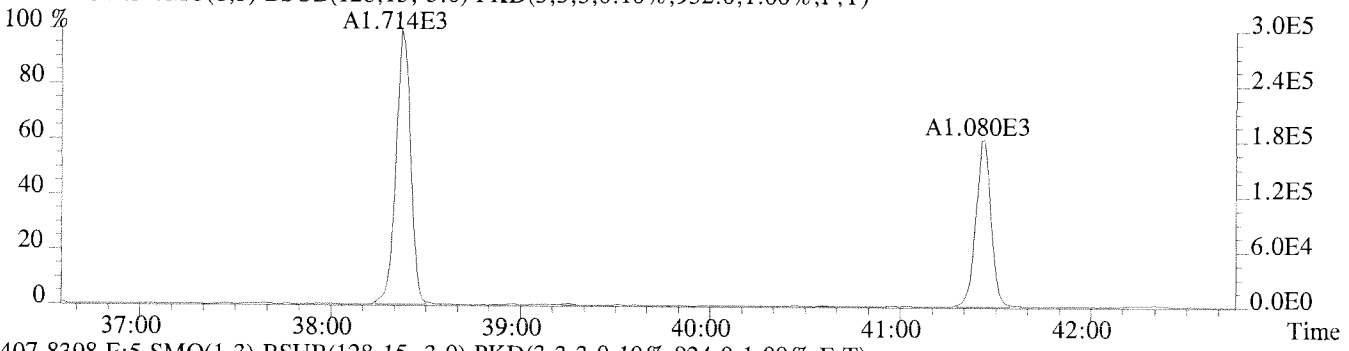
393.8025 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,944.0,1.00%,F,T)



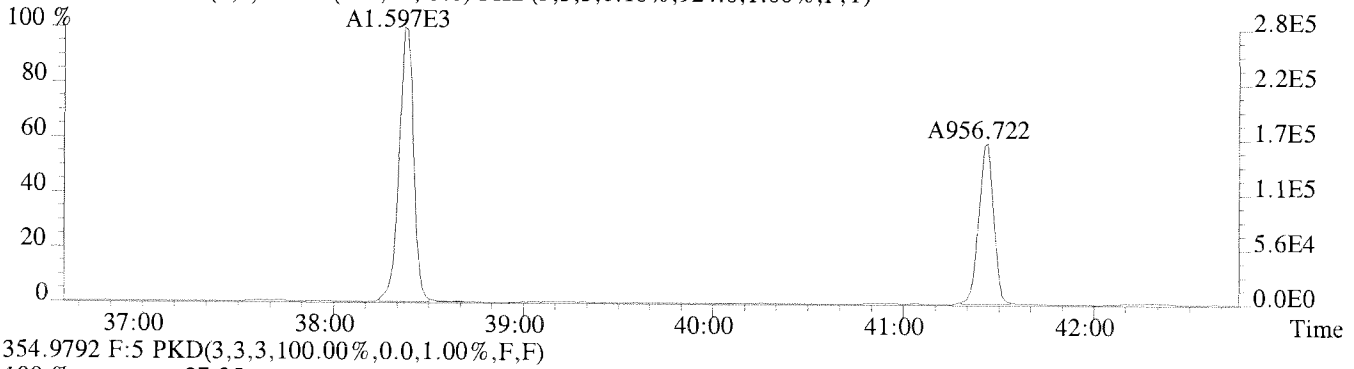
395.7995 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,932.0,1.00%,F,T)



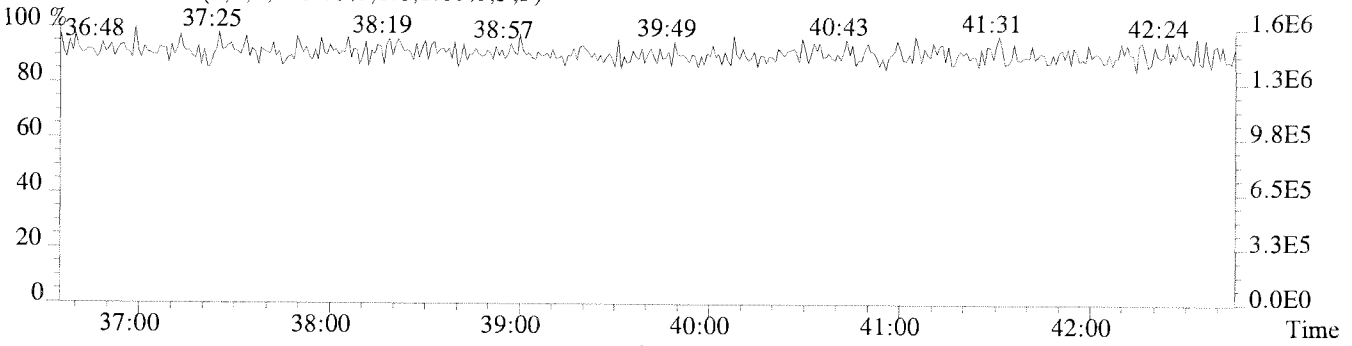
405.8428 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,932.0,1.00%,F,T)



407.8398 F:5 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,924.0,1.00%,F,T)

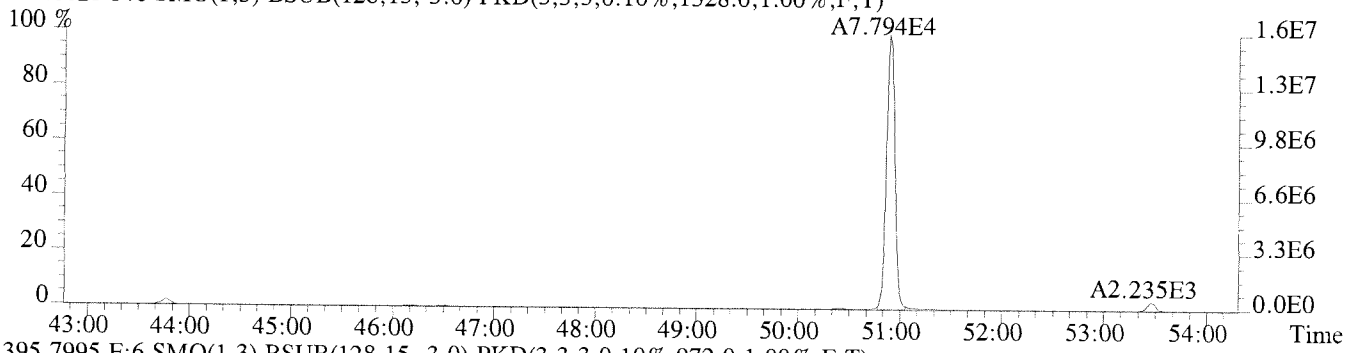


354.9792 F:5 PKD(3,3,3,100.00%,0.0,1.00%,F,F)

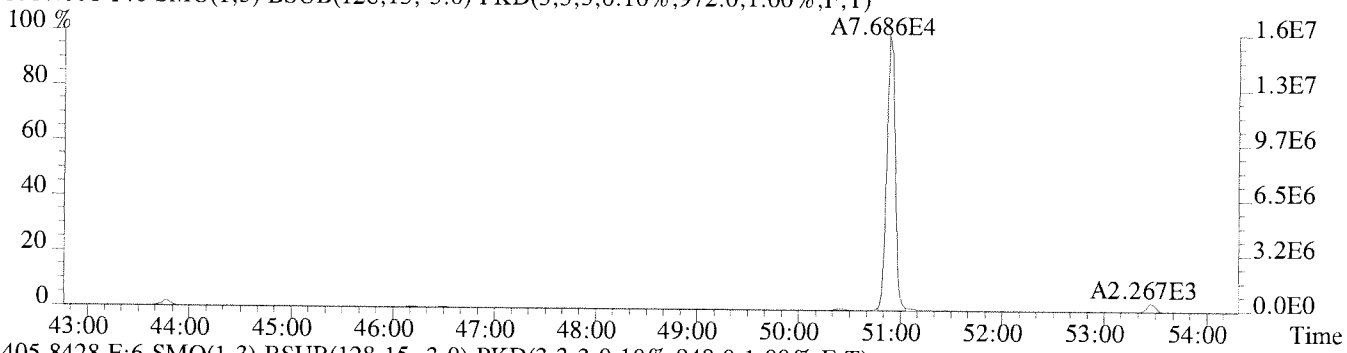


File:U139146 #1-572 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

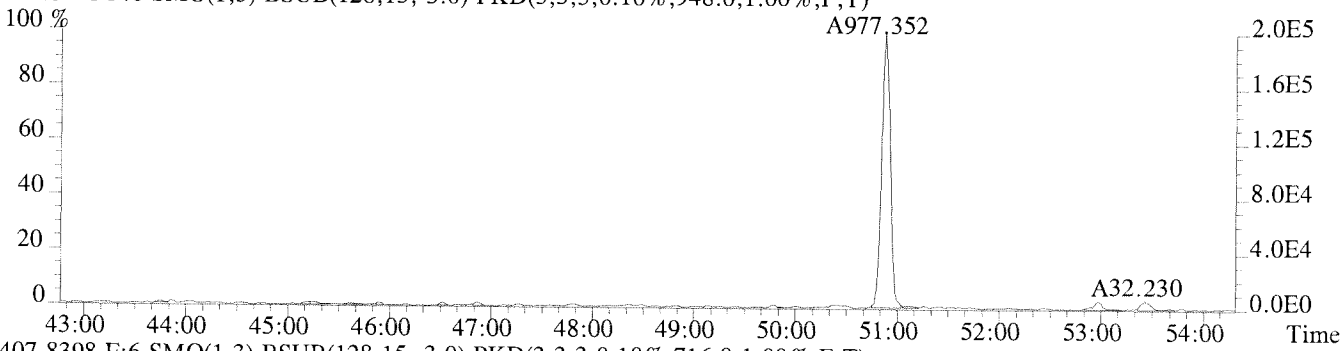
393.8025 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1528.0,1.00%,F,T)



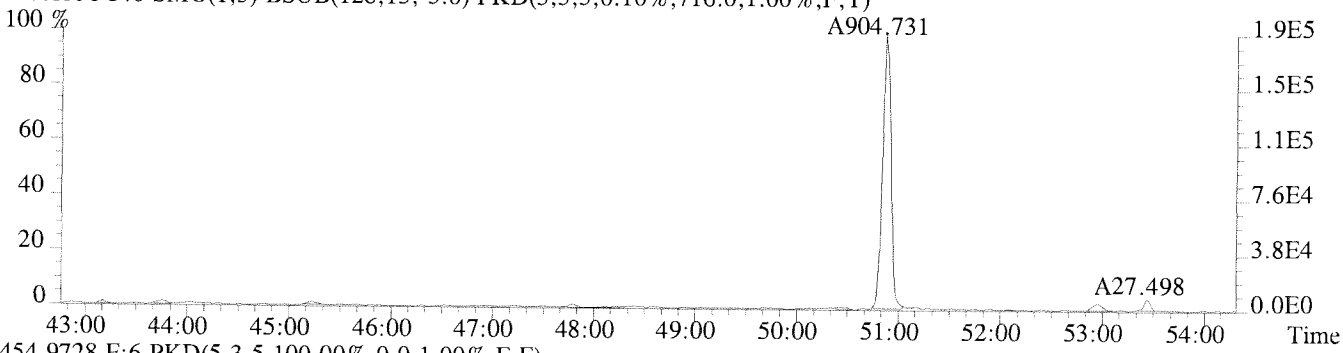
395.7995 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,972.0,1.00%,F,T)



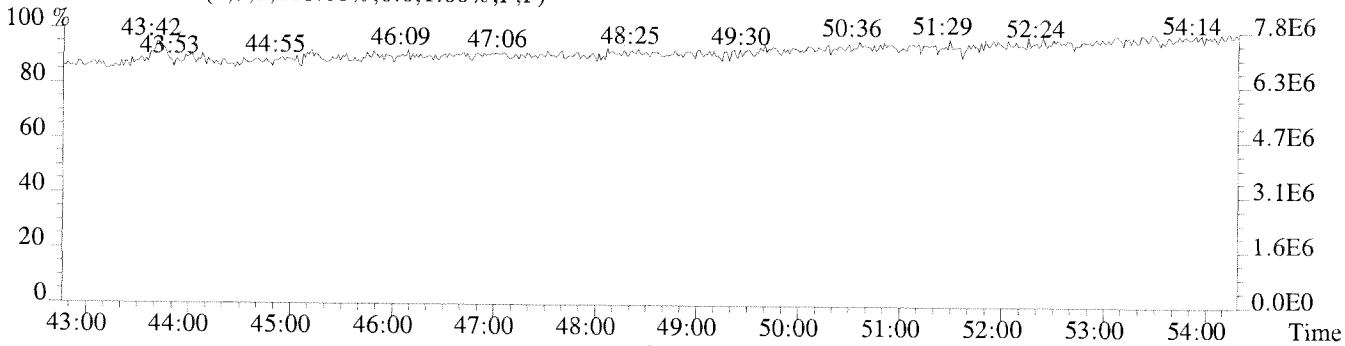
405.8428 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,948.0,1.00%,F,T)



407.8398 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)

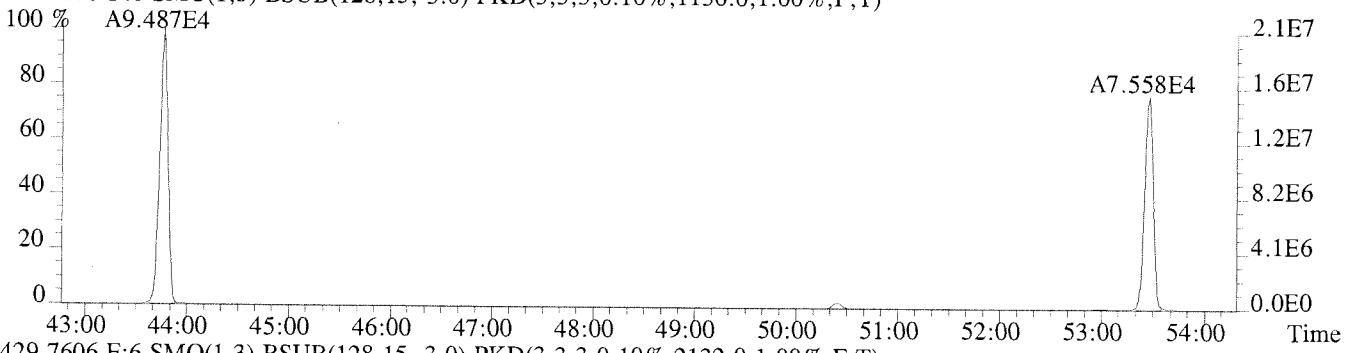


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

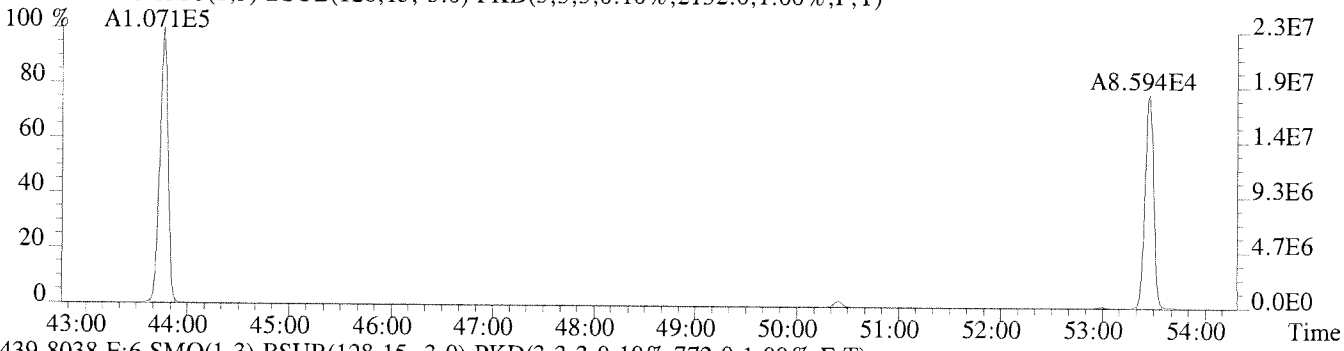


File:U139146 #1-572 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

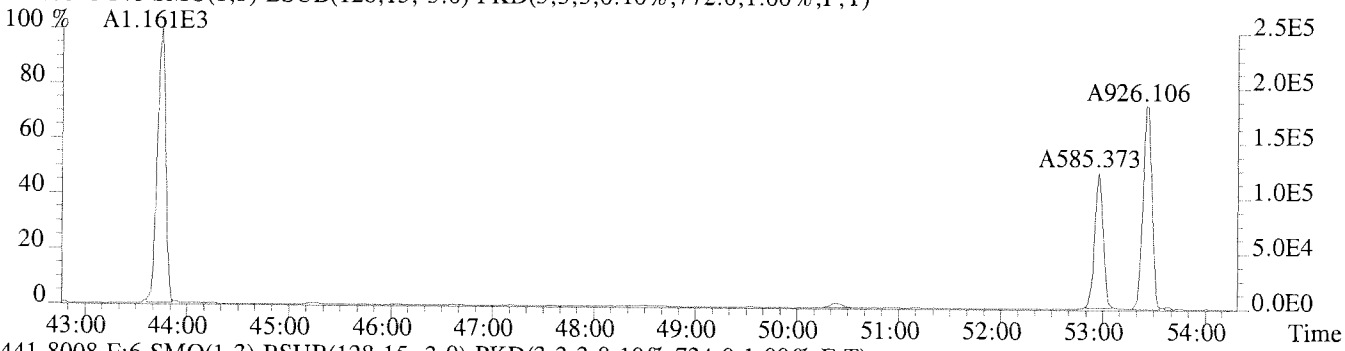
427.7635 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1136.0,1.00%,F,T)



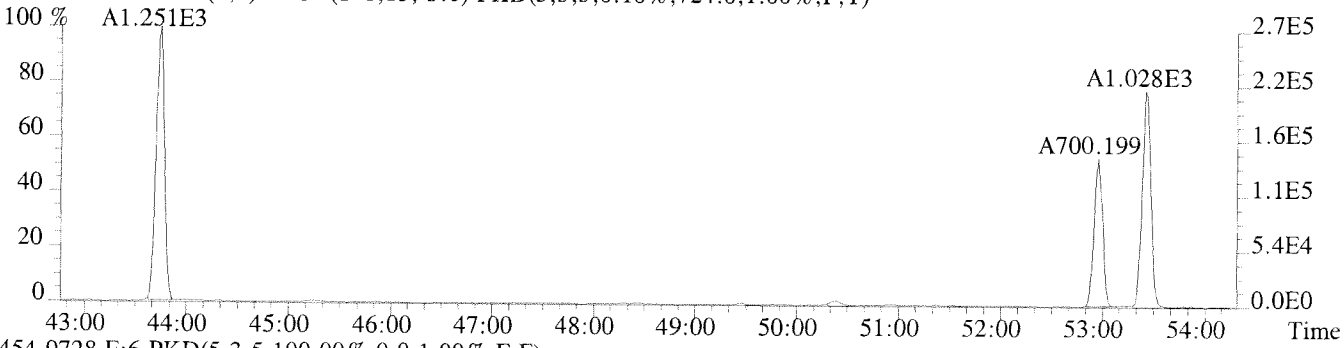
429.7606 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2132.0,1.00%,F,T)



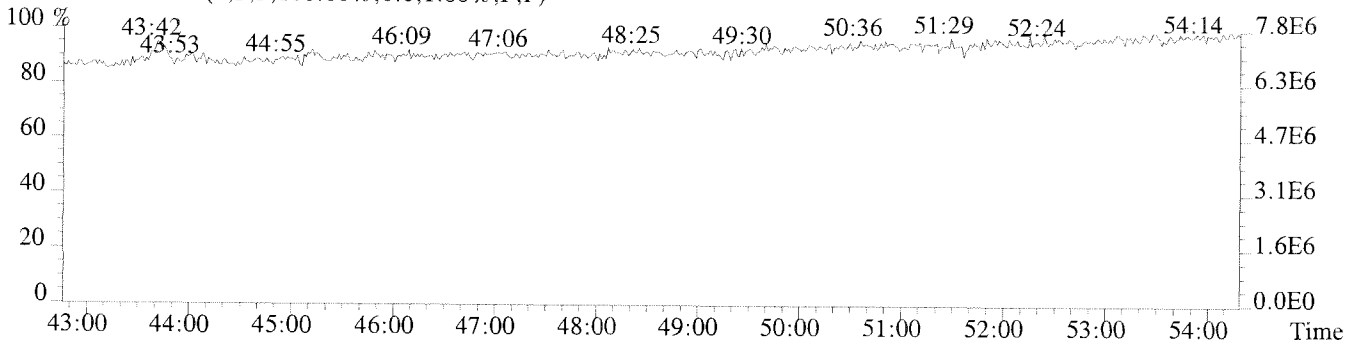
439.8038 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,772.0,1.00%,F,T)



441.8008 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,724.0,1.00%,F,T)

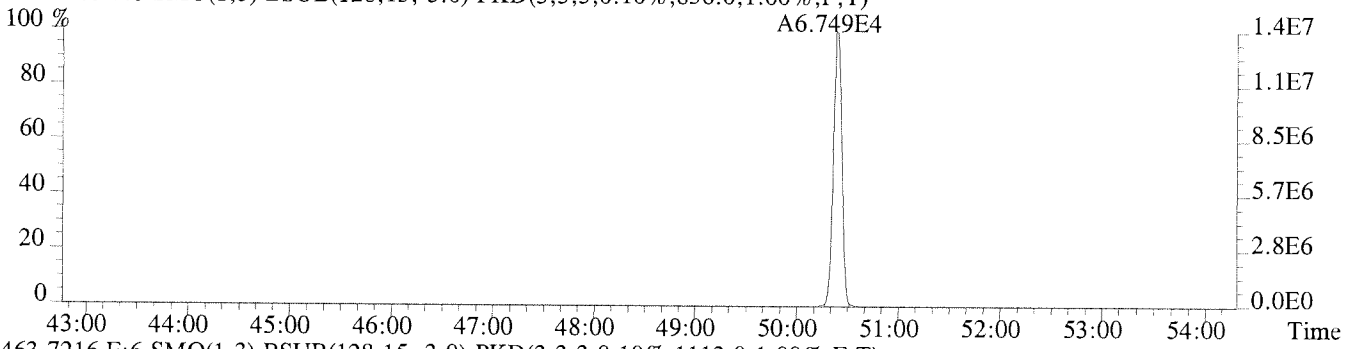


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

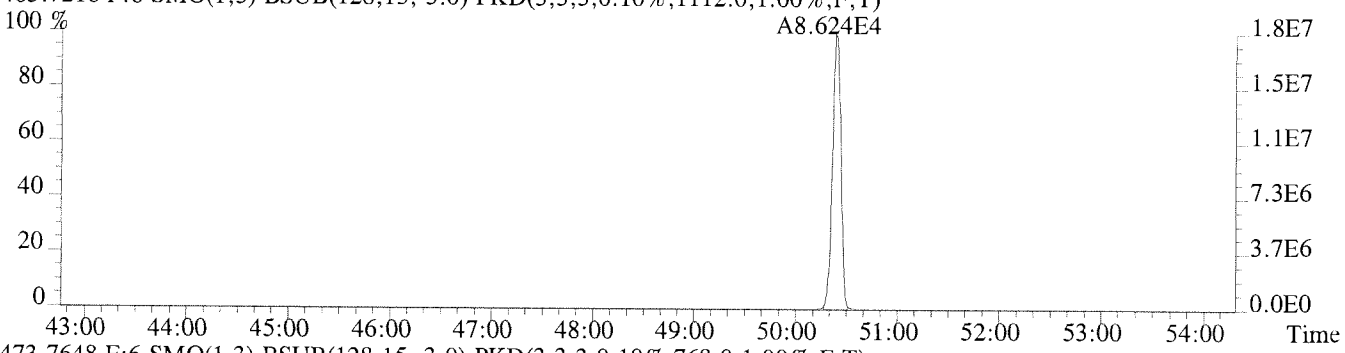


File:U139146 #1-572 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

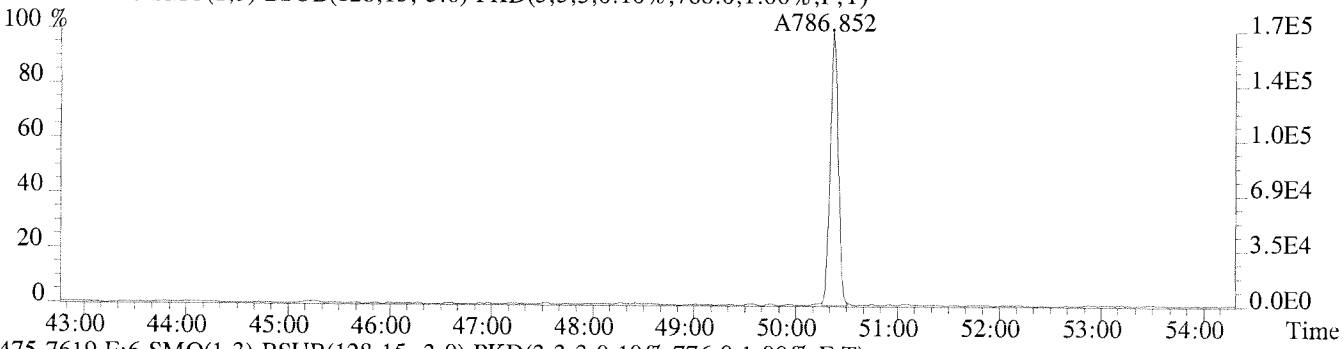
461.7246 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,856.0,1.00%,F,T)



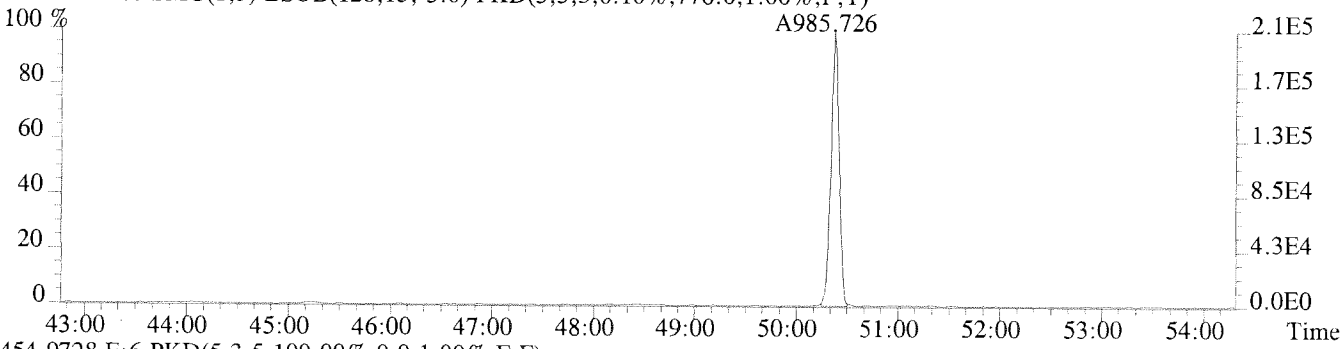
463.7216 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,1112.0,1.00%,F,T)



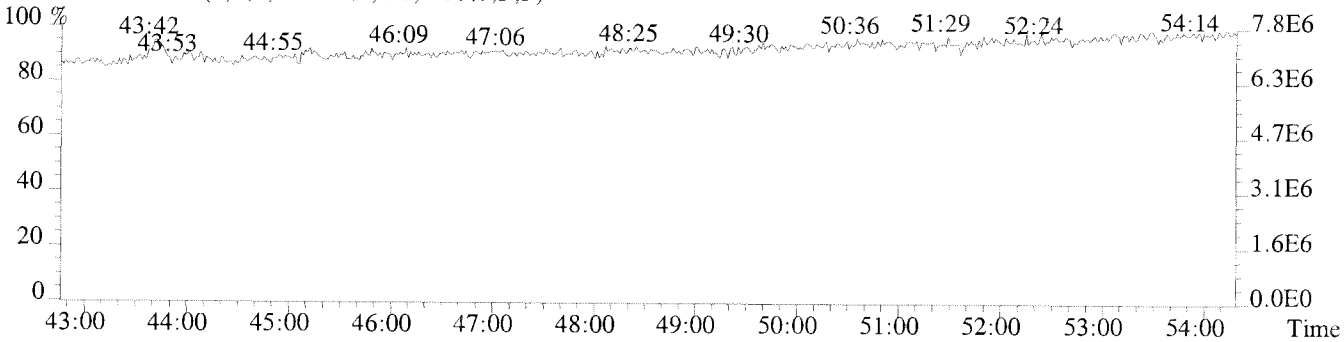
473.7648 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,768.0,1.00%,F,T)



475.7619 F:6 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,776.0,1.00%,F,T)

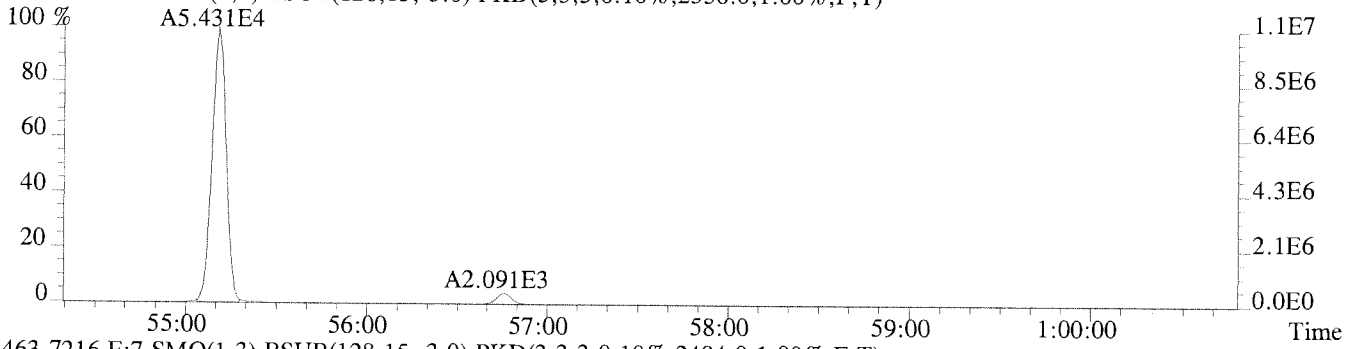


454.9728 F:6 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

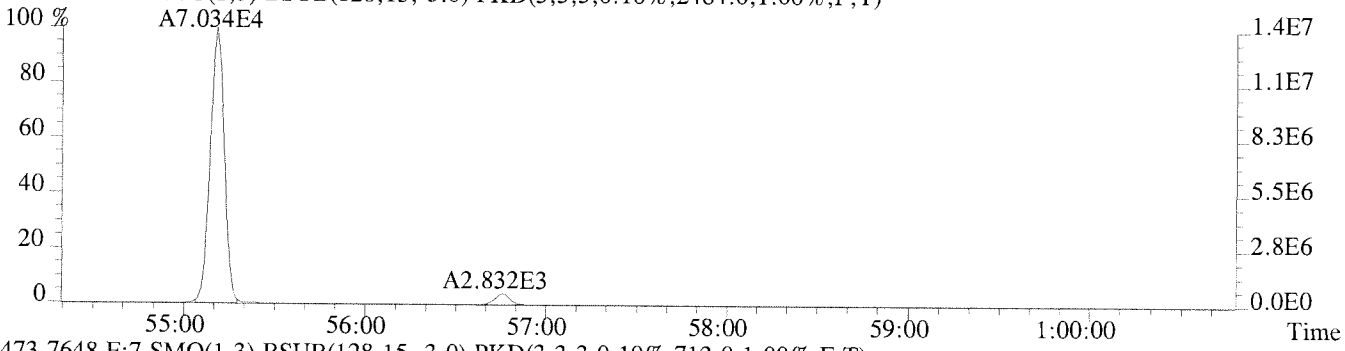


File:U139146 #1-366 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

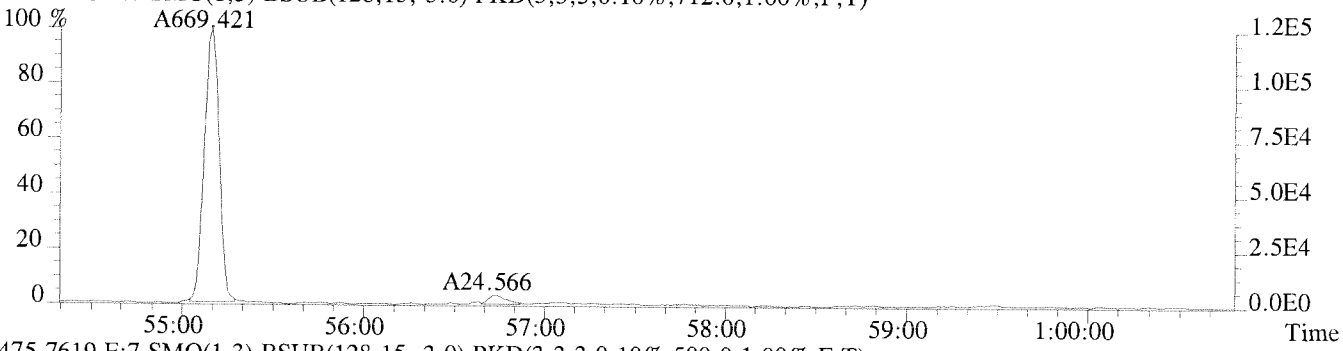
461.7246 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2356.0,1.00%,F,T)



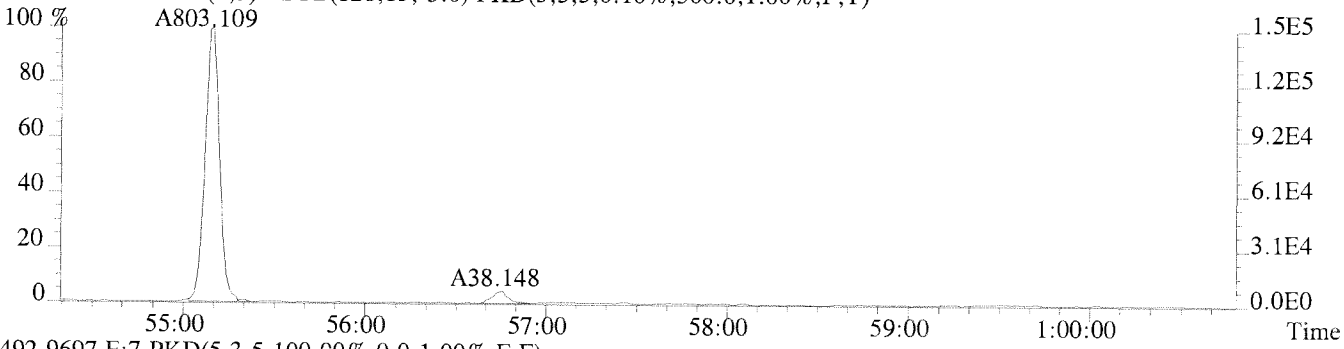
463.7216 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,2484.0,1.00%,F,T)



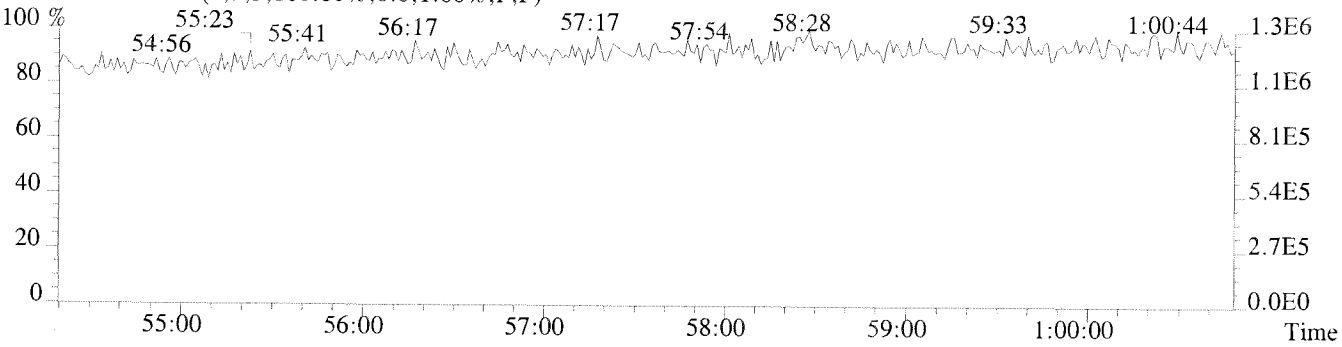
473.7648 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,712.0,1.00%,F,T)



475.7619 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,500.0,1.00%,F,T)

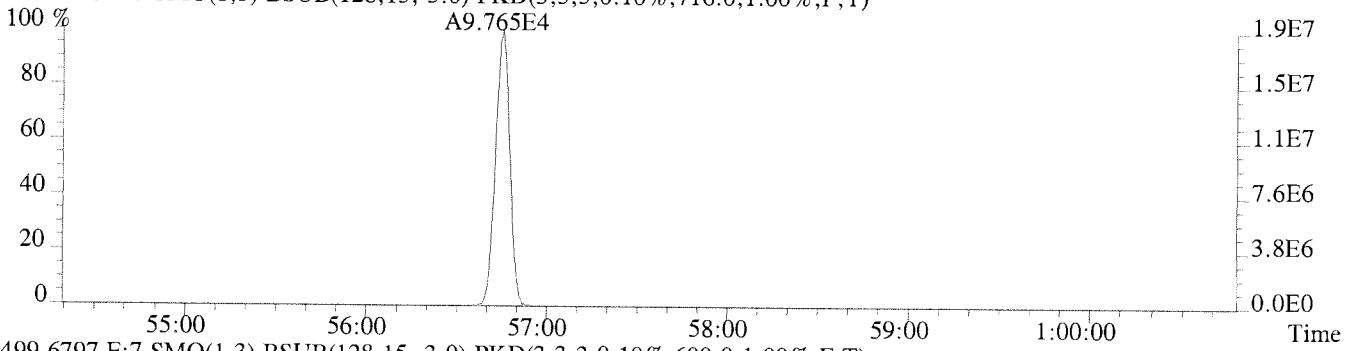


492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)

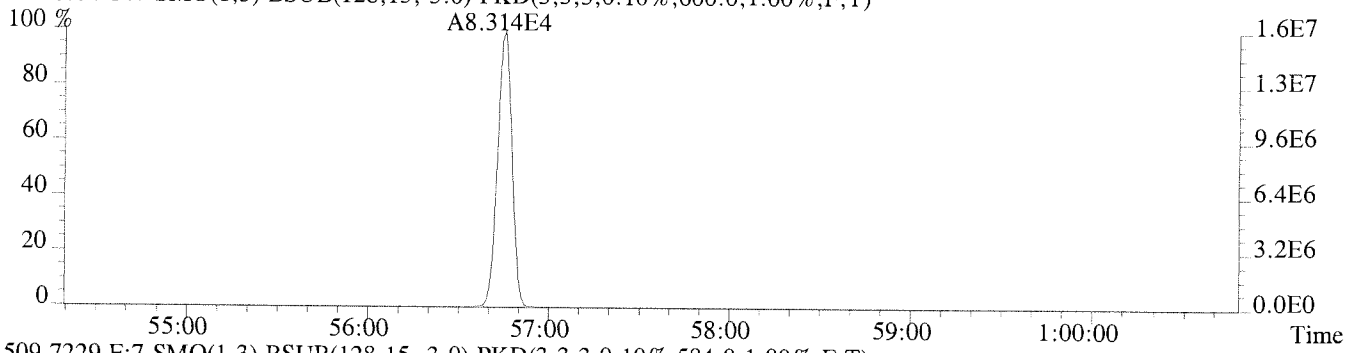


File:U139146 #1-366 Acq:23-FEB-2011 18:13:13 Probe EI+ Magnet SIR VG BioTech Mass spect£
Sample#1 Exp:ICAL CS6

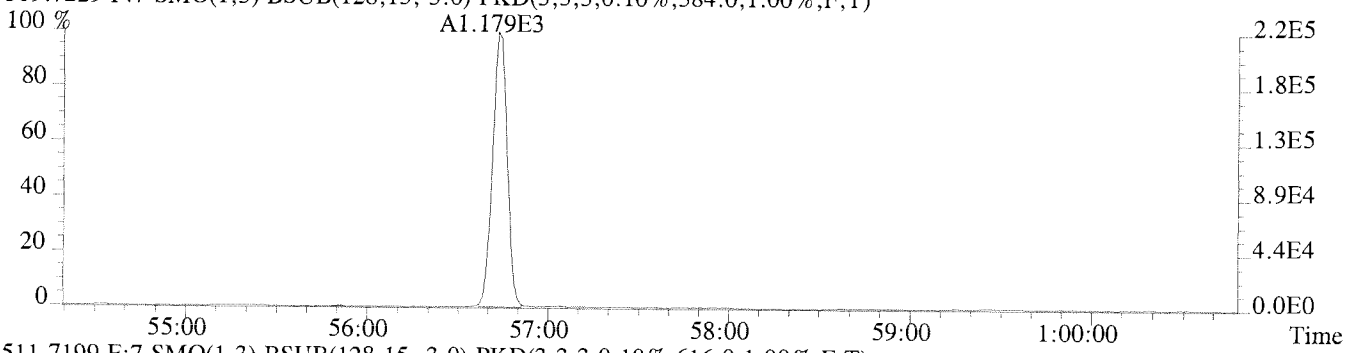
497.6826 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,716.0,1.00%,F,T)



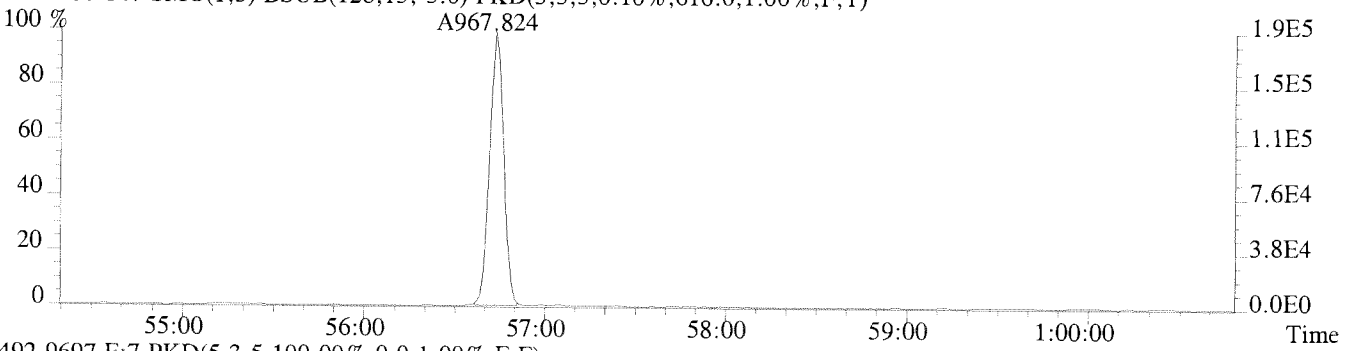
499.6797 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,600.0,1.00%,F,T)



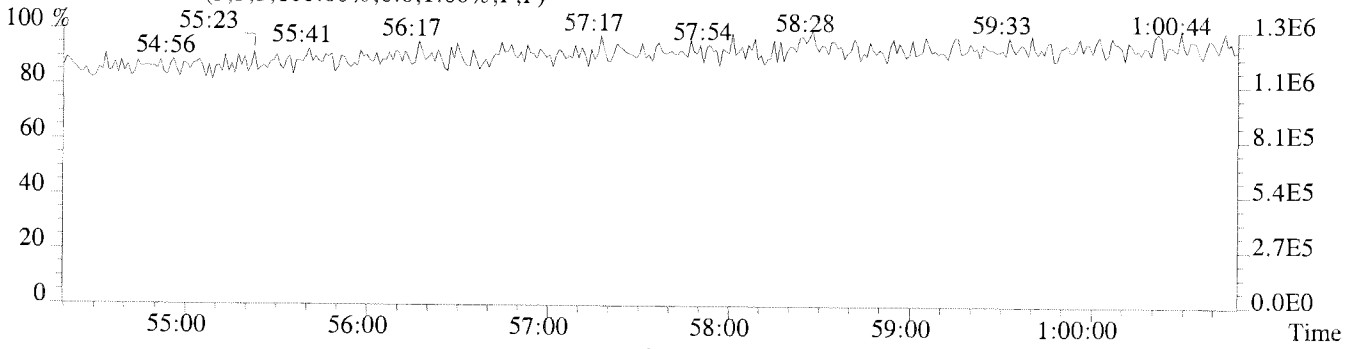
509.7229 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,584.0,1.00%,F,T)



511.7199 F:7 SMO(1,3) BSUB(128,15,-3.0) PKD(3,3,3,0.10%,616.0,1.00%,F,T)



492.9697 F:7 PKD(5,3,5,100.00%,0.0,1.00%,F,F)



APPENDIX D

FIELD NOTES

11/1/11

Arrived on-site @ 1105

Opened wells
~~157~~ 152 U/L @ 1145
156 U/L @ 1148
157 U/L @ 1150
- No positive or negative pressure observed when opening

Took initial @ 1205 (152L)

	DTW	Time
KC91-152U	15.09	12:33
KC91-152L	15.80	12:35
KC91-156U	14.40	12:49
KC91-156L	14.42	12:52
KC91 ~~156~~ 157 U	12.96	1301
KC91-157L	13.02	1304

Decomned between each measurement

Pump intake placed @ ≈ 2' from bottom of well