HC·V
HAMPTONCLARKE·VERITECH

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
198 ROUTE 46 EAST, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

Project: Port Ivory-Site 1 Remed.

Client PO: Not Available

Report To: Hatch Mott MacDonald
27 Bleeker Street
Millburn, NJ 07041

Attn: R.Trepp

Received Date: 12/14/2009

Report Date: 1/6/2010

Deliverables: NYDOH-CatB

Lab ID: AC48886

Lab Project No: 9121403

This report is a true report of results obtained from our tests of this material. All results meet the requirements of the NELAC Institute standards. In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Jeri Rossi - Quality Assurance Director OR Stanley Gilewicz - Laboratory Director

NJ	(07071 and 07069)	NY	(ELAP11408 and 11939)	CT	(PH-0671)	USACE
PA	(68-00463 and 68-04409)	KY	(90124)	WV	(353)	

NELAP ACCREDITED TNI LABORATORY

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SDG Narrative

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SDG Narrative

Client: Port Authority of NY& NJ
Project: Port Ivory-Site 1 Remed.

Hampton-Clarke/Veritech (HC·V) received the following samples on December 14, 2009:

Client ID	HCV Sample ID	Matrix	Analysis
PI-01-TP-RAM1-121109SS01	AC48886-001	Soil	VO (8260B), BNA (8270C)
PI-01-TP-RAN1-121109SS01	AC48886-002	Soil	VO (8260B), BNA (8270C)

Volatile Organic Analysis:

The recovery of Trichloroethene is biased high, outside QC limits in the Matrix Spike in batch 14345. All QC criteria were met in the Laboratory Control Sample (MBS).

The recovery of 1,2-Dichlorobenzene and 1,4-Dichlorobenzene is biased low, outside QC limits in the Matrix Spike Duplicate in batch 14345. All QC criteria were met in the Laboratory Control Sample (MBS).

The MS/MSD RPD of Tetrachloroethene, Toluene and 1,4-Dichlorobenzene is outside QC limits in batch 14345.

Base Neutral Acid Extractable Analysis:

Data conforms to method requirements.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jeri Rossi
Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

1/7/10
Date

Reporting Limit Definitions

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REPORTING LIMIT DEFINITIONS

RL = Reporting Limit

MDL = Method Detection Limit

For Clean Water Act and SW846 Organic methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

For Clean Water Act Metals method, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

For Clean Water Act and SW846 Wet Chemistry methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve. For most gravimetric methods the Reporting Limit is defined as a value 3 to 5 times the MDL.

Data Package Summary Forms

Veritech Report Of Analysis

Lab#: AC48886-001 Collection Date: 12/11/2009
Sample ID: PI-01-TP-RAM1-121109SS01

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	**1**	**percent**		**58**
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	**1**	**mg/kg**	**NA**	**160J**
1,2,4-Trichlorobenzene	1	mg/kg	0.11	ND
1,2-Diphenylhydrazine	1	mg/kg	0.11	ND
2,4,5-Trichlorophenol	1	mg/kg	0.11	ND
2,4,6-Trichlorophenol	1	mg/kg	0.11	ND
2,4-Dichlorophenol	1	mg/kg	0.11	ND
2,4-Dimethylphenol	1	mg/kg	0.11	ND
2,4-Dinitrophenol	1	mg/kg	0.57	ND
2,4-Dinitrotoluene	1	mg/kg	0.11	ND
2,6-Dinitrotoluene	1	mg/kg	0.11	ND
2-Chloronaphthalene	1	mg/kg	0.11	ND
2-Chlorophenol	1	mg/kg	0.11	ND
2-Methylnaphthalene	**1**	**mg/kg**	**0.11**	**0.34**
2-Methylphenol	1	mg/kg	0.11	ND
2-Nitroaniline	1	mg/kg	0.11	ND
2-Nitrophenol	1	mg/kg	0.11	ND
3&4-Methylphenol	1	mg/kg	0.11	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.11	ND
3-Nitroaniline	1	mg/kg	0.11	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.57	ND
4-Bromophenyl-phenylether	1	mg/kg	0.11	ND
4-Chloro-3-methylphenol	1	mg/kg	0.11	ND
4-Chloroaniline	1	mg/kg	0.11	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.11	ND
4-Nitroaniline	1	mg/kg	0.11	ND
4-Nitrophenol	1	mg/kg	0.11	ND
Acenaphthene	1	mg/kg	0.11	ND
Acenaphthylene	1	mg/kg	0.11	ND
Anthracene	1	mg/kg	0.11	ND
Benzidine	1	mg/kg	0.57	ND
Benzo[a]anthracene	1	mg/kg	0.11	ND
Benzo[a]pyrene	1	mg/kg	0.11	ND
Benzo[b]fluoranthene	1	mg/kg	0.11	ND
Benzo[g,h,i]perylene	1	mg/kg	0.11	ND
Benzo[k]fluoranthene	1	mg/kg	0.11	ND
Benzyl alcohol	1	mg/kg	0.11	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.11	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.11	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.11	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.11	ND
Butylbenzylphthalate	1	mg/kg	0.11	ND
Carbazole	1	mg/kg	0.11	ND
Chrysene	**1**	**mg/kg**	**0.11**	**0.13**
Dibenzo[a,h]anthracene	1	mg/kg	0.11	ND
Dibenzofuran	1	mg/kg	0.11	ND
Diethylphthalate	1	mg/kg	0.11	ND
Dimethylphthalate	1	mg/kg	0.11	ND
Di-n-butylphthalate	1	mg/kg	0.11	ND
Di-n-octylphthalate	1	mg/kg	0.11	ND
Fluoranthene	1	mg/kg	0.11	ND
Fluorene	1	mg/kg	0.11	ND
Hexachlorobenzene	1	mg/kg	0.11	ND
Hexachlorobutadiene	1	mg/kg	0.11	ND
Hexachlorocyclopentadiene	1	mg/kg	0.57	ND
Hexachloroethane	1	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.11	ND
Isophorone	1	mg/kg	0.11	ND
Naphthalene	**1**	**mg/kg**	**0.11**	**0.16**
Nitrobenzene	1	mg/kg	0.11	ND
N-Nitrosodimethylamine	1	mg/kg	0.11	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.11	ND
N-Nitrosodiphenylamine	1	mg/kg	0.11	ND
Pentachlorophenol	1	mg/kg	0.57	ND
Phenanthrene	**1**	**mg/kg**	**0.11**	**0.43**
Phenol	1	mg/kg	0.11	ND
Pyrene	**1**	**mg/kg**	**0.11**	**0.33**

Lab#: AC48886-001 Collection Date: 12/11/2009
Sample ID: PI-01-TP-RAM1-121109SS01

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	**0.965**	**mg/kg**	**NA**	**2.1J**
1,1,1-Trichloroethane	0.965	mg/kg	0.0083	ND
1,1,2,2-Tetrachloroethane	0.965	mg/kg	0.0083	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.965	mg/kg	0.0083	ND
1,1,2-Trichloroethane	0.965	mg/kg	0.0083	ND
1,1-Dichloroethane	0.965	mg/kg	0.0083	ND
1,1-Dichloroethene	0.965	mg/kg	0.0083	ND
1,2,3-Trichloropropane	0.965	mg/kg	0.0083	ND
1,2,4-Trimethylbenzene	**0.965**	**mg/kg**	**0.0017**	**0.036**
1,2-Dichlorobenzene	0.965	mg/kg	0.0083	ND
1,2-Dichloroethane	0.965	mg/kg	0.0083	ND
1,2-Dichloropropane	0.965	mg/kg	0.0083	ND
1,3,5-Trimethylbenzene	**0.965**	**mg/kg**	**0.0017**	**0.015**
1,3-Dichlorobenzene	0.965	mg/kg	0.0083	ND
1,3-Dichloropropane	0.965	mg/kg	0.0083	ND
1,4-Dichlorobenzene	0.965	mg/kg	0.0083	ND
1,4-Dioxane	0.965	mg/kg	0.42	ND
2-Butanone	0.965	mg/kg	0.0083	ND
2-Chloroethylvinylether	0.965	mg/kg	0.0083	ND
2-Hexanone	0.965	mg/kg	0.0083	ND
4-Isopropyltoluene	**0.965**	**mg/kg**	**0.0017**	**0.021**
4-Methyl-2-pentanone	0.965	mg/kg	0.0083	ND
Acetone	**0.965**	**mg/kg**	**0.042**	**0.080**
Acrolein	0.965	mg/kg	0.042	ND
Acrylonitrile	0.965	mg/kg	0.0083	ND
Benzene	**0.965**	**mg/kg**	**0.0017**	**0.0040**
Bromodichloromethane	0.965	mg/kg	0.0083	ND
Bromoform	0.965	mg/kg	0.0083	ND
Bromomethane	0.965	mg/kg	0.0083	ND
Carbon disulfide	**0.965**	**mg/kg**	**0.0083**	**0.012**
Carbon tetrachloride	0.965	mg/kg	0.0083	ND
Chlorobenzene	0.965	mg/kg	0.0083	ND
Chloroethane	0.965	mg/kg	0.0083	ND
Chloroform	0.965	mg/kg	0.0083	ND
Chloromethane	0.965	mg/kg	0.0083	ND
cis-1,2-Dichloroethene	0.965	mg/kg	0.0083	ND
cis-1,3-Dichloropropene	0.965	mg/kg	0.0083	ND
Dibromochloromethane	0.965	mg/kg	0.0083	ND
Dichlorodifluoromethane	0.965	mg/kg	0.0083	ND
Ethylbenzene	**0.965**	**mg/kg**	**0.0017**	**0.0049**
Isopropylbenzene	**0.965**	**mg/kg**	**0.0017**	**0.0050**
m&p-Xylenes	**0.965**	**mg/kg**	**0.0017**	**0.0065**
Methylene chloride	0.965	mg/kg	0.0083	ND
Methyl-t-butyl ether	0.965	mg/kg	0.0017	ND
n-Butylbenzene	**0.965**	**mg/kg**	**0.0017**	**0.0072**
n-Propylbenzene	**0.965**	**mg/kg**	**0.0017**	**0.0069**
o-Xylene	**0.965**	**mg/kg**	**0.0017**	**0.0080**
sec-Butylbenzene	**0.965**	**mg/kg**	**0.0017**	**0.0036**
Styrene	0.965	mg/kg	0.0083	ND
t-Butyl Alcohol	0.965	mg/kg	0.042	ND
t-Butylbenzene	0.965	mg/kg	0.0017	ND
Tetrachloroethene	0.965	mg/kg	0.0083	ND
Toluene	**0.965**	**mg/kg**	**0.0017**	**0.0031**
trans-1,2-Dichloroethene	0.965	mg/kg	0.0083	ND
trans-1,3-Dichloropropene	0.965	mg/kg	0.0083	ND
Trichloroethene	0.965	mg/kg	0.0083	ND
Trichlorofluoromethane	0.965	mg/kg	0.0083	ND
Vinyl chloride	0.965	mg/kg	0.0083	ND
Xylenes (Total)	**0.965**	**mg/kg**	**0.0017**	**0.0145**

Lab#: AC48886-002	Collection Date: 12/11/2009
Sample ID: PI-01-TP-RAN1-121109SS01	

TestGroup/Analyte	DF	Units	RL	Result
% Solids SM2540G				
% Solids	1	percent		54
Semivolatile Organics + 25 (8270)				
:TotalSemiVolatileTic	1	mg/kg	NA	160J
1,2,4-Trichlorobenzene	1	mg/kg	0.12	ND
1,2-Diphenylhydrazine	1	mg/kg	0.12	ND
2,4,5-Trichlorophenol	1	mg/kg	0.12	ND
2,4,6-Trichlorophenol	1	mg/kg	0.12	ND
2,4-Dichlorophenol	1	mg/kg	0.12	ND
2,4-Dimethylphenol	1	mg/kg	0.12	ND
2,4-Dinitrophenol	1	mg/kg	0.62	ND
2,4-Dinitrotoluene	1	mg/kg	0.12	ND
2,6-Dinitrotoluene	1	mg/kg	0.12	ND
2-Chloronaphthalene	1	mg/kg	0.12	ND
2-Chlorophenol	1	mg/kg	0.12	ND
2-Methylnaphthalene	1	mg/kg	0.12	1.4
2-Methylphenol	1	mg/kg	0.12	ND
2-Nitroaniline	1	mg/kg	0.12	ND
2-Nitrophenol	1	mg/kg	0.12	ND
3&4-Methylphenol	1	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.12	ND
3-Nitroaniline	1	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.62	ND
4-Bromophenyl-phenylether	1	mg/kg	0.12	ND
4-Chloro-3-methylphenol	1	mg/kg	0.12	ND
4-Chloroaniline	1	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.12	ND
4-Nitroaniline	1	mg/kg	0.12	ND
4-Nitrophenol	1	mg/kg	0.12	ND
Acenaphthene	1	mg/kg	0.12	0.12
Acenaphthylene	1	mg/kg	0.12	ND
Aniline	1	mg/kg	0.12	ND
Anthracene	1	mg/kg	0.12	0.14
Benzidine	1	mg/kg	0.62	ND
Benzo[a]anthracene	1	mg/kg	0.12	0.14
Benzo[a]pyrene	1	mg/kg	0.12	ND
Benzo[b]fluoranthene	1	mg/kg	0.12	ND
Benzo[g,h,i]perylene	1	mg/kg	0.12	ND
Benzo[k]fluoranthene	1	mg/kg	0.12	ND
Benzoic acid	1	mg/kg	0.62	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.12	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.12	ND
Butylbenzylphthalate	1	mg/kg	0.12	ND
Carbazole	1	mg/kg	0.12	ND
Chrysene	1	mg/kg	0.12	0.21
Dibenzo[a,h]anthracene	1	mg/kg	0.12	ND
Dibenzofuran	1	mg/kg	0.12	ND
Diethylphthalate	1	mg/kg	0.12	ND
Dimethylphthalate	1	mg/kg	0.12	ND
Di-n-butylphthalate	1	mg/kg	0.12	ND
Di-n-octylphthalate	1	mg/kg	0.12	ND
Fluoranthene	1	mg/kg	0.12	0.15
Fluorene	1	mg/kg	0.12	0.18
Hexachlorobenzene	1	mg/kg	0.12	ND
Hexachlorobutadiene	1	mg/kg	0.12	ND
Hexachlorocyclopentadiene	1	mg/kg	0.62	ND
Hexachloroethane	1	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.12	ND
Isophorone	1	mg/kg	0.12	ND
Naphthalene	1	mg/kg	0.12	ND
Nitrobenzene	1	mg/kg	0.12	ND
N-Nitrosodimethylamine	1	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.12	ND
N-Nitrosodiphenylamine	1	mg/kg	0.12	ND
Pentachlorophenol	1	mg/kg	0.62	ND
Phenanthrene	1	mg/kg	0.12	0.89
Phenol	1	mg/kg	0.12	ND
Pyrene	1	mg/kg	0.12	0.52

Lab#: AC48886-002 Collection Date: 12/11/2009
Sample ID: PI-01-TP-RAN1-121109SS01

TestGroup/Analyte	DF	Units	RL	Result
Volatile Organics + 10 (8260)				
:TotalVolatileTic	1.01	mg/kg	NA	4.3J
1,1,1-Trichloroethane	1.01	mg/kg	0.0094	ND
1,1,2,2-Tetrachloroethane	1.01	mg/kg	0.0094	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1.01	mg/kg	0.0094	ND
1,1,2-Trichloroethane	1.01	mg/kg	0.0094	ND
1,1-Dichloroethane	1.01	mg/kg	0.0094	ND
1,1-Dichloroethene	1.01	mg/kg	0.0094	ND
1,2,3-Trichloropropane	1.01	mg/kg	0.0094	ND
1,2,4-Trimethylbenzene	1.01	mg/kg	0.0019	0.014
1,2-Dichlorobenzene	1.01	mg/kg	0.0094	ND
1,2-Dichloroethane	1.01	mg/kg	0.0094	ND
1,2-Dichloropropane	1.01	mg/kg	0.0094	ND
1,3,5-Trimethylbenzene	1.01	mg/kg	0.0019	0.0035
1,3-Dichlorobenzene	1.01	mg/kg	0.0094	ND
1,3-Dichloropropane	1.01	mg/kg	0.0094	ND
1,4-Dichlorobenzene	1.01	mg/kg	0.0094	ND
1,4-Dioxane	1.01	mg/kg	0.47	ND
2-Butanone	1.01	mg/kg	0.0094	ND
2-Chloroethylvinylether	1.01	mg/kg	0.0094	ND
2-Hexanone	1.01	mg/kg	0.0094	ND
4-Isopropyltoluene	1.01	mg/kg	0.0019	0.0081
4-Methyl-2-pentanone	1.01	mg/kg	0.0094	ND
Acetone	1.01	mg/kg	0.047	0.16
Acrolein	1.01	mg/kg	0.047	ND
Acrylonitrile	1.01	mg/kg	0.0094	ND
Benzene	1.01	mg/kg	0.0019	0.0037
Bromodichloromethane	1.01	mg/kg	0.0094	ND
Bromoform	1.01	mg/kg	0.0094	ND
Bromomethane	1.01	mg/kg	0.0094	ND
Carbon disulfide	1.01	mg/kg	0.0094	0.018
Carbon tetrachloride	1.01	mg/kg	0.0094	ND
Chlorobenzene	1.01	mg/kg	0.0094	ND
Chloroethane	1.01	mg/kg	0.0094	ND
Chloroform	1.01	mg/kg	0.0094	ND
Chloromethane	1.01	mg/kg	0.0094	ND
cis-1,2-Dichloroethene	1.01	mg/kg	0.0094	ND
cis-1,3-Dichloropropene	1.01	mg/kg	0.0094	ND
Dibromochloromethane	1.01	mg/kg	0.0094	ND
Dichlorodifluoromethane	1.01	mg/kg	0.0094	ND
Ethylbenzene	1.01	mg/kg	0.0019	0.0020
Isopropylbenzene	1.01	mg/kg	0.0019	0.021
m&p-Xylenes	1.01	mg/kg	0.0019	0.013
Methylene chloride	1.01	mg/kg	0.0094	ND
Methyl-t-butyl ether	1.01	mg/kg	0.0019	ND
n-Butylbenzene	1.01	mg/kg	0.0019	0.013
n-Propylbenzene	1.01	mg/kg	0.0019	0.023
o-Xylene	1.01	mg/kg	0.0019	0.029
sec-Butylbenzene	1.01	mg/kg	0.0019	0.011
Styrene	1.01	mg/kg	0.0094	ND
t-Butyl Alcohol	1.01	mg/kg	0.047	ND
t-Butylbenzene	1.01	mg/kg	0.0019	ND
Tetrachloroethene	1.01	mg/kg	0.0094	ND
Toluene	1.01	mg/kg	0.0019	0.0044
trans-1,2-Dichloroethene	1.01	mg/kg	0.0094	ND
trans-1,3-Dichloropropene	1.01	mg/kg	0.0094	ND
Trichloroethene	1.01	mg/kg	0.0094	ND
Trichlorofluoromethane	1.01	mg/kg	0.0094	ND
Vinyl chloride	1.01	mg/kg	0.0094	ND
Xylenes (Total)	1.01	mg/kg	0.0019	0.042

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC48886-001
Client Id: PI-01-TP-RAM1-121109SS
Data File: 1M52286.D
Analysis Date: 12/16/09 14:18
Date Rec/Extracted: 12/14/09-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.18g
Final Vol: NA
Dilution: 0.965
Solids: 58

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0083	U	56-23-5	Carbon Tetrachloride	0.0083	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0083	U	108-90-7	Chlorobenzene	0.0083	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0083	U	75-00-3	Chloroethane	0.0083	U
79-00-5	1,1,2-Trichloroethane	0.0083	U	67-66-3	Chloroform	0.0083	U
75-34-3	1,1-Dichloroethane	0.0083	U	74-87-3	Chloromethane	0.0083	U
75-35-4	1,1-Dichloroethene	0.0083	U	156-59-2	cis-1,2-Dichloroethene	0.0083	U
96-18-4	1,2,3-Trichloropropane	0.0083	U	10061-01-5	cis-1,3-Dichloropropene	0.0083	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0017**	**0.036**	124-48-1	Dibromochloromethane	0.0083	U
95-50-1	1,2-Dichlorobenzene	0.0083	U	75-71-8	Dichlorodifluoromethane	0.0083	U
107-06-2	1,2-Dichloroethane	0.0083	U	**100-41-4**	**Ethylbenzene**	**0.0017**	**0.0049**
78-87-5	1,2-Dichloropropane	0.0083	U	**98-82-8**	**Isopropylbenzene**	**0.0017**	**0.0050**
108-67-8	**1,3,5-Trimethylbenzene**	**0.0017**	**0.015**	**136777612**	**m&p-Xylenes**	**0.0017**	**0.0065**
541-73-1	1,3-Dichlorobenzene	0.0083	U	75-09-2	Methylene Chloride	0.0083	U
142-28-9	1,3-Dichloropropane	0.0083	U	1634-04-4	Methyl-t-butyl ether	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.0083	U	**104-51-8**	**n-Butylbenzene**	**0.0017**	**0.0072**
123-91-1	1,4-Dioxane	0.42	U	**103-65-1**	**n-Propylbenzene**	**0.0017**	**0.0069**
78-93-3	2-Butanone	0.0083	U	**95-47-6**	**o-Xylene**	**0.0017**	**0.0080**
110-75-8	2-Chloroethylvinylether	0.0083	U	**135-98-8**	**sec-Butylbenzene**	**0.0017**	**0.0036**
591-78-6	2-Hexanone	0.0083	U	100-42-5	Styrene	0.0083	U
99-87-6	**4-Isopropyltoluene**	**0.0017**	**0.021**	75-65-0	t-Butyl Alcohol	0.042	U
108-10-1	4-Methyl-2-Pentanone	0.0083	U	98-06-6	t-Butylbenzene	0.0017	U
67-64-1	**Acetone**	**0.042**	**0.080**	127-18-4	Tetrachloroethene	0.0083	U
107-02-8	Acrolein	0.042	U	**108-88-3**	**Toluene**	**0.0017**	**0.0031**
107-13-1	Acrylonitrile	0.0083	U	156-60-5	trans-1,2-Dichloroethene	0.0083	U
71-43-2	**Benzene**	**0.0017**	**0.0040**	10061-02-6	trans-1,3-Dichloropropene	0.0083	U
75-27-4	Bromodichloromethane	0.0083	U	79-01-6	Trichloroethene	0.0083	U
75-25-2	Bromoform	0.0083	U	75-69-4	Trichlorofluoromethane	0.0083	U
74-83-9	Bromomethane	0.0083	U	75-01-4	Vinyl Chloride	0.0083	U
75-15-0	**Carbon Disulfide**	**0.0083**	**0.012**	**1330-20-7**	**Xylenes (Total)**	**0.0017**	**0.0145**

Worksheet #: 138336

Total Target Concentration 0.21

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC48886-001
Client Id: PI-01-TP-RAM1-121109
Data File: 1M52286.D
Analysis Date: 12/16/09 14:18
Date Rec/Extracted: 12/14/09-NA

Matrix: Soil
Initial Vol: 5.18g
Final Vol: NA
Dilution: 0.965
Solids: 58
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	124-18-5	Decane	7.34	0.21 J
2		unknown	7.77	0.15 J
3	1074-43-7	Benzene, 1-methyl-3-propyl-	8.01	0.16 J
4	934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.29	0.17 J
5	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.39	0.28 J
6	1560-06-1	Benzene, 2-butenyl-	8.77	0.16 J
7	17301-23-4	Undecane, 2,6-dimethyl-	8.87	0.40 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.19	0.21 J
9	91-20-3	Naphthalene	9.33	0.20 J
10	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.67	0.16 J

Worksheet #: 138336

Total Tentatively Identified Concentration 2.1

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC48886-002
Client Id: PI-01-TP-RAN1-121109SS
Data File: 1M52285.D
Analysis Date: 12/16/09 14:02
Date Rec/Extracted: 12/14/09-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 4.93g
Final Vol: NA
Dilution: 1.01
Solids: 54

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0094	U	56-23-5	Carbon Tetrachloride	0.0094	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0094	U	108-90-7	Chlorobenzene	0.0094	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0094	U	75-00-3	Chloroethane	0.0094	U
79-00-5	1,1,2-Trichloroethane	0.0094	U	67-66-3	Chloroform	0.0094	U
75-34-3	1,1-Dichloroethane	0.0094	U	74-87-3	Chloromethane	0.0094	U
75-35-4	1,1-Dichloroethene	0.0094	U	156-59-2	cis-1,2-Dichloroethene	0.0094	U
96-18-4	1,2,3-Trichloropropane	0.0094	U	10061-01-5	cis-1,3-Dichloropropene	0.0094	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0019**	**0.014**	124-48-1	Dibromochloromethane	0.0094	U
95-50-1	1,2-Dichlorobenzene	0.0094	U	75-71-8	Dichlorodifluoromethane	0.0094	U
107-06-2	1,2-Dichloroethane	0.0094	U	**100-41-4**	**Ethylbenzene**	**0.0019**	**0.0020**
78-87-5	1,2-Dichloropropane	0.0094	U	**98-82-8**	**Isopropylbenzene**	**0.0019**	**0.021**
108-67-8	**1,3,5-Trimethylbenzene**	**0.0019**	**0.0035**	**136777612**	**m&p-Xylenes**	**0.0019**	**0.013**
541-73-1	1,3-Dichlorobenzene	0.0094	U	75-09-2	Methylene Chloride	0.0094	U
142-28-9	1,3-Dichloropropane	0.0094	U	1634-04-4	Methyl-t-butyl ether	0.0019	U
106-46-7	1,4-Dichlorobenzene	0.0094	U	**104-51-8**	**n-Butylbenzene**	**0.0019**	**0.013**
123-91-1	1,4-Dioxane	0.47	U	**103-65-1**	**n-Propylbenzene**	**0.0019**	**0.023**
78-93-3	2-Butanone	0.0094	U	**95-47-6**	**o-Xylene**	**0.0019**	**0.029**
110-75-8	2-Chloroethylvinylether	0.0094	U	**135-98-8**	**sec-Butylbenzene**	**0.0019**	**0.011**
591-78-6	2-Hexanone	0.0094	U	100-42-5	Styrene	0.0094	U
99-87-6	**4-Isopropyltoluene**	**0.0019**	**0.0081**	75-65-0	t-Butyl Alcohol	0.047	U
108-10-1	4-Methyl-2-Pentanone	0.0094	U	98-06-6	t-Butylbenzene	0.0019	U
67-64-1	**Acetone**	**0.047**	**0.16**	127-18-4	Tetrachloroethene	0.0094	U
107-02-8	Acrolein	0.047	U	**108-88-3**	**Toluene**	**0.0019**	**0.0044**
107-13-1	Acrylonitrile	0.0094	U	156-60-5	trans-1,2-Dichloroethene	0.0094	U
71-43-2	**Benzene**	**0.0019**	**0.0037**	10061-02-6	trans-1,3-Dichloropropene	0.0094	U
75-27-4	Bromodichloromethane	0.0094	U	79-01-6	Trichloroethene	0.0094	U
75-25-2	Bromoform	0.0094	U	75-69-4	Trichlorofluoromethane	0.0094	U
74-83-9	Bromomethane	0.0094	U	75-01-4	Vinyl Chloride	0.0094	U
75-15-0	**Carbon Disulfide**	**0.0094**	**0.018**	**1330-20-7**	**Xylenes (Total)**	**0.0019**	**0.042**

Worksheet #: 138336

Total Target Concentration 0.32

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC48886-002
Client Id: PI-01-TP-RAN1-121109
Data File: 1M52285.D
Analysis Date: 12/16/09 14:02
Date Rec/Extracted: 12/14/09-NA

Matrix: Soil
Initial Vol: 4.93g
Final Vol: NA
Dilution: 1.01
Solids: 54
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	620-14-4	Benzene, 1-ethyl-3-methyl-	7.35	0.32 J
2	622-96-8	Benzene, 1-ethyl-4-methyl-	7.51	0.27 J
3	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.28	0.40 J
4	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.39	0.56 J
5	3290-53-7	Benzene, (2-methyl-2-propenyl)-	8.77	0.26 J
6		unknown	8.87	1.0 J
7	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.08	0.36 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.19	0.56 J
9		unknown	9.41	0.29 J
10	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.67	0.26 J

Worksheet #: 138336

Total Tentatively Identified Concentration 4.3

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC48886-001
Client Id: PI-01-TP-RAM1-121109SS
Data File: 10M09122.D
Analysis Date: 12/18/09 13:22
Date Rec/Extracted: 12/14/09-12/17/09
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 58

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.11	U	207-08-9	Benzo[k]fluoranthene	0.11	U
122-66-7	1,2-Diphenylhydrazine	0.11	U	95-95-4	2,4,5-Trichlorophenol	0.11	U
100-51-6	Benzyl alcohol	0.11	U	88-06-2	2,4,6-Trichlorophenol	0.11	U
111-91-1	bis(2-Chloroethoxy)methan	0.11	U	120-83-2	2,4-Dichlorophenol	0.11	U
111-44-4	bis(2-Chloroethyl)ether	0.11	U	105-67-9	2,4-Dimethylphenol	0.11	U
108-60-1	bis(2-chloroisopropyl)ether	0.11	U	51-28-5	2,4-Dinitrophenol	0.57	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.11	U	121-14-2	2,4-Dinitrotoluene	0.11	U
85-68-7	Butylbenzylphthalate	0.11	U	606-20-2	2,6-Dinitrotoluene	0.11	U
86-74-8	Carbazole	0.11	U	91-58-7	2-Chloronaphthalene	0.11	U
218-01-9	**Chrysene**	**0.11**	**0.13**	95-57-8	2-Chlorophenol	0.11	U
53-70-3	Dibenzo[a,h]anthracene	0.11	U	**91-57-6**	**2-Methylnaphthalene**	**0.11**	**0.34**
132-64-9	Dibenzofuran	0.11	U	95-48-7	2-Methylphenol	0.11	U
84-66-2	Diethylphthalate	0.11	U	88-74-4	2-Nitroaniline	0.11	U
131-11-3	Dimethylphthalate	0.11	U	88-75-5	2-Nitrophenol	0.11	U
84-74-2	Di-n-butylphthalate	0.11	U	106-44-5	3&4-Methylphenol	0.11	U
117-84-0	Di-n-octylphthalate	0.11	U	91-94-1	3,3'-Dichlorobenzidine	0.11	U
206-44-0	Fluoranthene	0.11	U	99-09-2	3-Nitroaniline	0.11	U
86-73-7	Fluorene	0.11	U	534-52-1	4,6-Dinitro-2-methylphenol	0.57	U
118-74-1	Hexachlorobenzene	0.11	U	101-55-3	4-Bromophenyl-phenylether	0.11	U
87-68-3	Hexachlorobutadiene	0.11	U	59-50-7	4-Chloro-3-methylphenol	0.11	U
77-47-4	Hexachlorocyclopentadiene	0.57	U	106-47-8	4-Chloroaniline	0.11	U
67-72-1	Hexachloroethane	0.11	U	7005-72-3	4-Chlorophenyl-phenylether	0.11	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.11	U	100-01-6	4-Nitroaniline	0.11	U
78-59-1	Isophorone	0.11	U	100-02-7	4-Nitrophenol	0.11	U
91-20-3	**Naphthalene**	**0.11**	**0.16**	83-32-9	Acenaphthene	0.11	U
98-95-3	Nitrobenzene	0.11	U	208-96-8	Acenaphthylene	0.11	U
62-75-9	N-Nitrosodimethylamine	0.11	U	621-64-7	N-Nitroso-di-n-propylamine	0.11	U
120-12-7	Anthracene	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.11	U
92-87-5	Benzidine	0.57	U	87-86-5	Pentachlorophenol	0.57	U
56-55-3	Benzo[a]anthracene	0.11	U	**85-01-8**	**Phenanthrene**	**0.11**	**0.43**
50-32-8	Benzo[a]pyrene	0.11	U	108-95-2	Phenol	0.11	U
205-99-2	Benzo[b]fluoranthene	0.11	U	**129-00-0**	**Pyrene**	**0.11**	**0.33**
191-24-2	Benzo[g,h,i]perylene	0.11	U				

Worksheet #: 138525

Total Target Concentration 1.4

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC48886-001
Client Id: PI-01-TP-RAM1-121109
Data File: 10M09122.D
Analysis Date: 12/18/09 13:22
Date Rec/Extracted: 12/14/09-12/17/09

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 58
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.44	150 JAB
2	111-76-2	Ethanol, 2-butoxy-	4.13	0.33 J
3	95-63-6	Benzene, 1,2,4-trimethyl-	4.93	0.37 JB
4	581-42-0	Naphthalene, 2,6-dimethyl-	7.11	0.46 J
5	571-61-9	Naphthalene, 1,5-dimethyl-	7.16	0.37 J
6	629-62-9	Pentadecane	7.39	0.62 J
7	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.61	0.33 J
8	629-78-7	Heptadecane	8.27	0.62 J
9	1430-97-3	9H-Fluorene, 2-methyl-	8.45	0.34 J
10	832-64-4	Phenanthrene, 4-methyl-	9.34	0.43 J
11	779-02-2	Anthracene, 9-methyl-	9.37	0.33 J
12	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.87	0.67 J
13	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.95	0.51 J
14	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.98	0.51 J
15	544-76-3	Hexadecane	10.07	0.53 J
16	593-45-3	Octadecane	10.51	0.37 J
17	593-45-3	Octadecane	10.94	0.38 J
18		unknown	11.08	0.35 J
19		unknown	11.62	0.34 J
20	112-95-8	Eicosane	11.74	0.66 J
21		unknown	12.25	0.43 J
22		unknown	12.86	0.34 J
23	15737-15-2	Cholesta-8,24-dien-3.beta.-ol, 4.beta.-m	13.76	0.50 J
24		unknown	14.67	0.69 J
25		unknown	14.80	0.46 J

Worksheet #: 138525

Total Tentatively Identified Concentration 160

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC48886-002
Client Id: PI-01-TP-RAN1-121109SS
Data File: 10M09123.D
Analysis Date: 12/18/09 13:44
Date Rec/Extracted: 12/14/09-12/17/09
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 54

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.12	U	207-08-9	Benzo[k]fluoranthene	0.12	U
122-66-7	1,2-Diphenylhydrazine	0.12	U	65-85-0	Benzoic Acid	0.62	U
95-95-4	2,4,5-Trichlorophenol	0.12	U	88-06-2	2,4,6-Trichlorophenol	0.12	U
111-91-1	bis(2-Chloroethoxy)methan	0.12	U	120-83-2	2,4-Dichlorophenol	0.12	U
111-44-4	bis(2-Chloroethyl)ether	0.12	U	105-67-9	2,4-Dimethylphenol	0.12	U
108-60-1	bis(2-chloroisopropyl)ether	0.12	U	51-28-5	2,4-Dinitrophenol	0.62	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U	121-14-2	2,4-Dinitrotoluene	0.12	U
85-68-7	Butylbenzylphthalate	0.12	U	606-20-2	2,6-Dinitrotoluene	0.12	U
86-74-8	Carbazole	0.12	U	91-58-7	2-Chloronaphthalene	0.12	U
218-01-9	**Chrysene**	**0.12**	**0.21**	95-57-8	2-Chlorophenol	0.12	U
53-70-3	Dibenzo[a,h]anthracene	0.12	U	**91-57-6**	**2-Methylnaphthalene**	**0.12**	**1.4**
132-64-9	Dibenzofuran	0.12	U	95-48-7	2-Methylphenol	0.12	U
84-66-2	Diethylphthalate	0.12	U	88-74-4	2-Nitroaniline	0.12	U
131-11-3	Dimethylphthalate	0.12	U	88-75-5	2-Nitrophenol	0.12	U
84-74-2	Di-n-butylphthalate	0.12	U	106-44-5	3&4-Methylphenol	0.12	U
117-84-0	Di-n-octylphthalate	0.12	U	91-94-1	3,3'-Dichlorobenzidine	0.12	U
206-44-0	**Fluoranthene**	**0.12**	**0.15**	99-09-2	3-Nitroaniline	0.12	U
86-73-7	**Fluorene**	**0.12**	**0.18**	534-52-1	4,6-Dinitro-2-methylphenol	0.62	U
118-74-1	Hexachlorobenzene	0.12	U	101-55-3	4-Bromophenyl-phenylether	0.12	U
87-68-3	Hexachlorobutadiene	0.12	U	59-50-7	4-Chloro-3-methylphenol	0.12	U
77-47-4	Hexachlorocyclopentadiene	0.62	U	106-47-8	4-Chloroaniline	0.12	U
67-72-1	Hexachloroethane	0.12	U	7005-72-3	4-Chlorophenyl-phenylether	0.12	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.12	U	100-01-6	4-Nitroaniline	0.12	U
78-59-1	Isophorone	0.12	U	100-02-7	4-Nitrophenol	0.12	U
91-20-3	Naphthalene	0.12	U	**83-32-9**	**Acenaphthene**	**0.12**	**0.12**
98-95-3	Nitrobenzene	0.12	U	208-96-8	Acenaphthylene	0.12	U
62-75-9	N-Nitrosodimethylamine	0.12	U	62-53-3	Aniline	0.12	U
621-64-7	N-Nitroso-di-n-propylamine	0.12	U	**120-12-7**	**Anthracene**	**0.12**	**0.14**
86-30-6	n-Nitrosodiphenylamine	0.12	U	92-87-5	Benzidine	0.62	U
87-86-5	Pentachlorophenol	0.62	U	**56-55-3**	**Benzo[a]anthracene**	**0.12**	**0.14**
85-01-8	**Phenanthrene**	**0.12**	**0.89**	50-32-8	Benzo[a]pyrene	0.12	U
108-95-2	Phenol	0.12	U	205-99-2	Benzo[b]fluoranthene	0.12	U
129-00-0	**Pyrene**	**0.12**	**0.52**	191-24-2	Benzo[g,h,i]perylene	0.12	U

Worksheet #: 138525

Total Target Concentration 3.8

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC48886-002
Client Id: PI-01-TP-RAN1-121109
Data File: 10M09123.D
Analysis Date: 12/18/09 13:44
Date Rec/Extracted: 12/14/09-12/17/09

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 54
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.44	140 JAB
2	90-12-0	Naphthalene, 1-methyl-	6.71	0.86 J
3	939-27-5	Naphthalene, 2-ethyl-	7.05	0.59 J
4	571-61-9	Naphthalene, 1,5-dimethyl-	7.11	1.1 J
5	581-40-8	Naphthalene, 2,3-dimethyl-	7.16	1.6 J
6	2027-17-0	Naphthalene, 2-(1-methylethyl)-	7.53	0.64 J
7	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.61	0.64 J
8	2131-41-1	Naphthalene, 1,4,5-trimethyl-	7.78	0.61 J
9		unknown	7.97	0.56 J
10	1430-97-3	9H-Fluorene, 2-methyl-	8.45	0.63 J
11	832-64-4	Phenanthrene, 4-methyl-	9.34	0.66 J
12	87221-28-1	(E)-6-Ethylidene-6H-dibenzo[b,d]thiopyr	9.37	0.70 J
13	85858-62-4	Methyl 5-(2,4-dichlorophenoxy)methyl-3-	9.45	0.91 J
14		unknown	9.84	0.63 J
15	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.87	0.88 J
16	781-43-1	Anthracene, 9,10-dimethyl-	9.96	0.95 J
17	5522-01-0	2H-1,4-Benzothiazin-3(4H)-one, 4-hydro	10.19	0.48 J
18	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.47	0.71 J
19	238-84-6	11H-Benzo[a]fluorene	10.77	0.62 J
20	64401-21-4	Pyrene, 1,3-dimethyl-	11.49	0.70 J
21		unknown	11.74	0.62 J
22		unknown	13.10	0.86 J
23	40071-65-6	Cholest-7-ene, (5.alpha.)-	13.15	0.72 J
24	6673-69-4	5.alpha.-Ergost-8(14)-ene	13.76	0.91 J
25		unknown	14.81	0.86 J

Worksheet #: 138525

Total Tentatively Identified Concentration 160

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 9121403**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC48886-001	PI-01-TP-RAM1-1	Soil	1	58	Percent			12/15/09	12/14/09	12/11/09
AC48886-002	PI-01-TP-RAN1-1	Soil	1	54	Percent			12/15/09	12/14/09	12/11/09

Chain of Custody Forms

Veritech/Division of Hampton-Clarke — **CHAIN OF CUSTODY RECORD**

175 US Hwy 46 West, Fairfield, New Jersey 07004 & 198 Route 46 East, 1st Floor, Fairfield, New Jersey 07004

Ph: 800-426-9992 Fax: 973-439-1458

Project#(Lab Use Only): 9121403

Page 1 of 1

NELAC/NJ# 07071/07069 CT# PH-0671 NY/ELAP# 11408/11939 PA# 68-463/68-04409 WV# 353 KY# 90124

3) Reporting Requirements(please circle)

Customer Information

1a) Customer: Hatch Mott MacDonald
Address: 27 Bleeker St. Millburn, NJ 07041
1b) Email/Cell/Fax/Ph: Robert.Trepp@hatchmott.com
1c) Send Invoice To: Angelos Zafarelis
1d) Send Report To: Rob Trepp & Angelos Zafarelis

Project Information

2a) Project: Port Ivory Staten Island Remedial Action
2b) Project Manager: Rob Trepp
2c) Location (City/State): Staten Island, NY
2d) Quote#/PO# (If Applicable):

Turnaround Time	Report type	Electronic Deliv
24-Hour(100%)	Data Sum	Hazsite/Csv
48-Hour(75%)	Waste	Equis
72-Hour (50%)	Red-NJ/NY/PA	Excel-NJCC
4 Day (TPH)	CLP	Excel-Nytagm
1-Week(25%)	Full/Cat B	Excel-PAActII
10 Days(10%)	Cat-A	PDF
Standard	Other:	Other:
Other:		

Expedited TAT Not always available (Please check with lab)!

7) Analysis Request

FOR LAB USE ONLY

Batch# AC48886

Matrix Codes: DW-Drinking Water; GW-Ground Water; WW-Waste Water; S-Soil; SL-Sludge; O-Oil; A-Air; Ot-Other

Check if Contingent===> <===Check if Contingent

Lab Sample#	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite(C)	Sample Type: Grab(G)	TCL VOC +10	TCL SVOC +20	8) # Of Bottles: None	MeOH	Encore	NaOH	HCl	H_2SO_4	HNO_3	Other:	9) Methanol Bottle Numbers (If applicable) / Comments
-001	PI-01-TP-RAM1 121109S01	S	12/11/09	10am		✓	✓	✓	3								
-002	PI-01-TP-RAM1 121109S01	S	12/11/09	2pm		✓	✓	✓	3								

10) Relinquished By:	Accepted By	Date	Time
RT via Jose Lopez	Jose Lopez	12/13/09	12:15
Jose Lopez	[illegible]	12/14/09	13:05

Comments, Notes, Special Requirements, HAZARDS

* Port Authority Pricing
Standard T.A.T

Cooler Tmp: 3.0°

11) Sampler: RT Trepp Date: 12/13/09

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis

CONDITION UPON RECEIPT

Batch Number AC48886 Entered By: Frantz

Date Entered 12/14/2009 1:06:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.0
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	NA	Are all soils preserved in methanol accompanied by dry soil?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC48886-001	12/14/09 13:05	FRAN	0	M	Received
AC48886-001	12/14/09 13:06	FRAN	0	M	Login
AC48886-001	12/14/09 14:01	R12	1	A	NONE
AC48886-001	12/15/09 07:54	R21	2	A	NONE
AC48886-001	12/15/09 10:37	SG	2	A	VOA
AC48886-001	12/15/09 11:19	R21	2	A	NONE
AC48886-001	12/16/09 09:02	SG	2	A	VOA
AC48886-001	12/16/09 09:16	R21	2	A	NONE
AC48886-001	12/14/09 14:01	R12	3	A	NONE
AC48886-001	12/15/09 09:24	SDL	3	A	MIXING
AC48886-001	12/15/09 12:57	PB	3	M	%solids
AC48886-001	12/15/09 14:00	R12	3	A	NONE
AC48886-001	12/17/09 16:51	KALPE	3	A	S-BNA
AC48886-001	12/18/09 00:48	R12	3	A	NONE
AC48886-001	12/15/09 11:19	SG	4	A	VOA
AC48886-001	12/15/09 11:19	R21	4	A	NONE
AC48886-002	12/14/09 13:05	FRAN	0	M	Received
AC48886-002	12/14/09 13:06	FRAN	0	M	Login
AC48886-002	12/14/09 14:01	R12	1	A	NONE
AC48886-002	12/15/09 07:54	R21	2	A	NONE
AC48886-002	12/15/09 10:37	SG	2	A	VOA
AC48886-002	12/15/09 11:19	R21	2	A	NONE
AC48886-002	12/16/09 09:02	SG	2	A	VOA
AC48886-002	12/16/09 09:16	R21	2	A	NONE
AC48886-002	12/14/09 14:01	R12	3	A	NONE
AC48886-002	12/15/09 09:24	SDL	3	A	MIXING
AC48886-002	12/15/09 12:57	PB	3	M	%solids
AC48886-002	12/15/09 14:00	R12	3	A	NONE
AC48886-002	12/17/09 16:51	KALPE	3	A	S-BNA
AC48886-002	12/18/09 00:48	R12	3	A	NONE
AC48886-002	12/15/09 11:19	SG	4	A	VOA
AC48886-002	12/15/09 11:19	R21	4	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

GC/MS Volatile Data

GC/MS Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M52212.D	DAILY BLANK	Soil	12/15/09 08:05	1		119	103	91	95		
1M52268.D	DAILY BLANK	Soil	12/16/09 09:26	1		118	101	90	102		
1M52286.D	AC48886-001	Soil	12/16/09 14:18	1		103	101	96	110		
1M52285.D	AC48886-002	Soil	12/16/09 14:02	1		105	92	97	102		
1M52216.D	MBS14329	Soil	12/15/09 09:09	1		104	94	96	103		
1M52243.D	MBS14335	Soil	12/15/09 16:25	1		112	102	95	97		
1M52249.D	AC48787-001	Soil	12/15/09 18:02	1		69	101	96	110		
1M52272.D	MBS14339	Soil	12/16/09 10:32	1		104	95	97	102		
1M52295.D	MBS14345	Soil	12/16/09 16:43	1		105	105	92	97		
1M52296.D	AC48787-001(	Soil	12/16/09 16:59	1		67	89	97	111		
1M52297.D	AC48787-001(	Soil	12/16/09 17:15	1		67	97	99	109		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: 8260

Soil Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	58-133
S2=1,2-Dichloroethane-d4	30	68-124
S3=Toluene-d8	30	72-117
S4=Bromofluorobenzene	30	74-118

Form3

MBS Data

Method: 8260

					Data File:==>			1M52216.D			1M52243.D			1M52272.D								
					Data/Batch/Sample ID:==>			MBS14329-So			MBS14335-So			MBS14339-So								
					Date/Time:==>			12/15/09 09:09			12/15/09 16:25			12/16/09 10:32								
Compound	Limit(s) Soil	Aq	Col	Mr	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec
1,1-Dichloroethane	14-127		1	0	39.64	50	79	32.74	50	65	36.48	50	73									
1,1-Dichloroethene	8-114		1	0	35.1	50	70	29.76	50	60	32.74	50	65									
1,2-Dichlorobenzen	19-113		1	0	35.92	50	72	29.69	50	59	35.55	50	71									
1,2-Dichloroethane	18-130		1	0	52.22	50	104	46.1	50	92	50.89	50	102									
1,4-Dichlorobenzen	20-110		1	0	37.35	50	75	30.27	50	61	34.36	50	69									
2-Butanone	4-141		1	0	37.49	50	75	32.91	50	66	32.33	50	65									
Benzene	21-122		1	0	55.99	50	112	47.43	50	95	52.41	50	105									
Carbon Tetrachlorid	19-122		1	0	47.22	50	94	39.88	50	80	45.17	50	90									
Chlorobenzene	21-117		1	0	36.63	50	73	32.08	50	64	35.37	50	71									
Chloroform	26-119		1	0	40.58	50	81	36.5	50	73	38.84	50	78									
n-Propylbenzene	16-122		1	0	39.52	50	79	31.7	50	63	36.98	50	74									
sec-Butylbenzene	9-125		1	0	42.24	50	84	33.19	50	66	38.83	50	78									
Tetrachloroethene	18-116		1	0	39.98	50	80	33.27	50	67	39.17	50	78									
Toluene	19-128		1	0	34.52	50	69	29.88	50	60	33.83	50	68									
Trichloroethene	21-116		1	0	42	50	84	35.72	50	71	39.52	50	79									
Vinyl Chloride	6-117		1	0	46.27	50	93	34.6	50	69	33.61	50	67									

Flags/Notes: **** - Values outside of limits for this column/run***

FORM 3

Spike Recovery

Batch Number: MBS14345
Mbs Name: MBS14345
Ns Name: AC48787-001
Ms Name: AC48787-001(MS)
Msd Name: AC48787-001(MSD

Mbs File: 1M52295.D
Non Spk'd File: 1M52249.D
Spike File: 1M52296.D
Spike Dup File: 1M52297.D
Matrix: Soil
Method: EPA 8260B

Mbs Date: 12/16/09 16:43
Non Spk'd Date: 12/15/09 18:02
Spike Date : 12/16/09 16:59
Spike Dup Date: 12/16/09 17:15

Compound	C#	Co	Mr	Conc Exp	Lo Llm	Hi Lim	Rpd Llm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Vinyl Chloride	6	1	0	50	6	117	53	34.06	0.00	40.89	25.36	68	82	51	47
1,1-Dichloroethene	19	1	0	50	8	114	53	35.29	0.00	50.45	37.08	71	101	74	31
1,1-Dichloroethane	22	1	0	50	14	127	44	41.28	0.00	38.65	29.53	83	77	59	27
Chloroform	29	1	0	50	26	119	39	42.49	0.00	41.26	29.83	85	83	60	32
1,2-Dichloroethane	33	1	0	50	18	130	37	57.04	0.00	54.69	46.07	114	109	92	17
2-Butanone	34	1	0	50	4	141	59	40.47	0.00	49.28	42.03	81	99	84	16
Carbon Tetrachloride	36	1	0	50	19	122	40	47.40	0.00	37.23	25.62	95	74	51	37
Trichloroethene	42	1	0	50	21	116	39	43.47	0.00	58.97	39.59	87	118 Mo	79	39
Benzene	43	1	0	50	21	122	38	58.14	3.46	52.63	39.55	116	98	72	28
Tetrachloroethene	55	1	0	50	18	116	37	38.41	0.00	26.13	16.78	77	52	34	44Rp
Toluene	57	1	0	50	19	128	35	34.93	12.82	31.95	22.23	70	38	19	36Rp
Chlorobenzene	59	1	0	50	21	117	37	37.06	0.00	23.30	16.10	74	47	32	37
1,4-Dichlorobenzene	70	1	0	50	20	110	41	33.18	0.00	13.17	8.34	66	26	17 Mo	45Rp
1,2-Dichlorobenzene	71	1	0	50	19	113	42	33.81	0.00	12.30	8.26	68	25	17 Mo	39
n-Propylbenzene	78	1	0	50	16	122	42	36.79	0.00	18.97	12.45	74	38	25	42
sec-Butylbenzene	83	1	0	50	9	125	48	38.09	0.00	13.72	9.11	76	27	18	40

Note:

Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M52212.D
Matrix: Soil

Blank Analysis Date: 12/15/09 08:05
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS14329	1M52216.D	12/15/09 09:09
MBS14335	1M52243.D	12/15/09 16:25
AC48787-001	1M52249.D	12/15/09 18:02

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M52268.D
Matrix: Soil

Blank Analysis Date: 12/16/09 09:26
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC48886-001	1M52286.D	12/16/09 14:18
AC48886-002	1M52285.D	12/16/09 14:02
MBS14339	1M52272.D	12/16/09 10:32
AC48787-001(MSD	1M52297.D	12/16/09 17:15
AC48787-001(MS)	1M52296.D	12/16/09 16:59
MBS14345	1M52295.D	12/16/09 16:43

Form 5

Tune Name: BFB TUNE **Data File:** 1M51530.D
Instrument: GCMS 1 **Analysis Date:** 11/30/09 08:25
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.482 to 4.492 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.7	5820	PASS
75	95	30	60	47.8	12811	PASS
95	95	100	100	100.0	26828	PASS
96	95	5	9	6.7	1802	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.7	18704	PASS
175	174	5	9	8.0	1501	PASS
176	174	95	101	95.9	17942	PASS
177	176	5	9	6.7	1205	PASS

Data File	Sample Number	Analysis Date:
1M51531.D	CAL @ 50 PPB	11/30/09 08:35
1M51532.D	BLK	11/30/09 08:51
1M51533.D	CAL @ 500 PPB	11/30/09 09:10
1M51534.D	CAL @ 250 PPB	11/30/09 09:26
1M51535.D	CAL @ 100 PPB	11/30/09 09:42
1M51536.D	CAL @ 50 PPB	11/30/09 09:58
1M51537.D	CAL @ 20 PPB	11/30/09 10:14
1M51538.D	CAL @ 10 PPB	11/30/09 10:30
1M51539.D	CAL @ 5 PPB	11/30/09 10:46
1M51540.D	BLK	11/30/09 11:03
1M51541.D	CAL @ 0.5 PPB	11/30/09 11:19
1M51542.D	CAL @ 1 PPB	11/30/09 11:35
1M51543.D	ICV	11/30/09 11:51
1M51544.D	BLK	11/30/09 12:13
1M51545.D	DAILY BLANK	11/30/09 12:29
1M51547.D	MBS14155	11/30/09 12:53
1M51548.D	MBS14156	11/30/09 13:17

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M52209.D
Analysis Date: 12/15/09 07:12
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.5	3503	PASS
75	95	30	60	50.5	8229	PASS
95	95	100	100	100.0	16283	PASS
96	95	5	9	7.8	1269	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.0	12540	PASS
175	174	5	9	8.9	1121	PASS
176	174	95	101	98.9	12402	PASS
177	176	5	9	6.0	744	PASS

Data File	Sample Number	Analysis Date:
1M52210.D	CAL @ 50 PPB	12/15/09 07:26
1M52211.D	BLK	12/15/09 07:49
1M52212.D	DAILY BLANK	12/15/09 08:05
1M52213.D	MBS14322	12/15/09 08:21
1M52214.D	BLK	12/15/09 08:37
1M52215.D	AC48818-006	12/15/09 08:53
1M52216.D	MBS14329	12/15/09 09:09
1M52217.D	AC48850-034	12/15/09 09:26
1M52218.D	AC48870-001	12/15/09 09:42
1M52219.D	AC48870-002	12/15/09 09:58
1M52220.D	AC48870-003	12/15/09 10:14
1M52221.D	AC48870-004	12/15/09 10:30
1M52222.D	AC48883-001	12/15/09 10:46
1M52223.D	AC48883-002	12/15/09 11:03
1M52224.D	AC48883-003	12/15/09 11:19
1M52225.D	AC48883-004	12/15/09 11:35
1M52226.D	AC48883-005	12/15/09 11:51
1M52227.D	AC48883-006	12/15/09 12:07
1M52228.D	AC48883-007	12/15/09 12:23
1M52229.D	AC48883-008	12/15/09 12:40
1M52230.D	AC48866-001	12/15/09 12:56
1M52231.D	AC48866-002	12/15/09 13:12
1M52232.D	AC48866-003	12/15/09 13:28
1M52233.D	AC48866-004	12/15/09 13:44
1M52234.D	AC48866-005	12/15/09 14:00
1M52235.D	AC48866-009	12/15/09 14:16
1M52236.D	AC48726-006	12/15/09 14:33
1M52237.D	AC48850-024(MS)	12/15/09 14:49
1M52238.D	AC48850-024(MSD	12/15/09 15:05
1M52239.D	BLK	12/15/09 15:21
1M52240.D	BLK	12/15/09 15:37
1M52241.D	MBS14334	12/15/09 15:53
1M52242.D	AC48726-009	12/15/09 16:09
1M52243.D	MBS14335	12/15/09 16:25
1M52244.D	AC48726-021	12/15/09 16:42
1M52245.D	AC48850-031(MS)	12/15/09 16:58
1M52246.D	AC48850-031(MSD	12/15/09 17:14
1M52247.D	AC48887-007	12/15/09 17:30
1M52248.D	AC48887-006	12/15/09 17:46
1M52249.D	AC48787-001	12/15/09 18:02
1M52250.D	AC48787-002	12/15/09 18:18
1M52251.D	AC48892-004	12/15/09 18:34
1M52252.D	AC48892-002	12/15/09 18:50
1M52253.D	AC48892-001(5X)	12/15/09 19:06
1M52254.D	AC48887-008(5X)	12/15/09 19:22
1M52255.D	BLK	12/15/09 19:38
1M52256.D	BLK	12/15/09 19:55
1M52257.D	BLK	12/15/09 20:11
1M52258.D	BLK	12/15/09 20:27
1M52259.D	BLK	12/15/09 20:43

Form 5

Tune Name: BFB TUNE **Data File:** 1M52264.D
Instrument: GCMS 1 **Analysis Date:** 12/16/09 08:12
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.408 to 4.467 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.3	5167	PASS
75	95	30	60	50.1	11108	PASS
95	95	100	100	100.0	22159	PASS
96	95	5	9	7.1	1579	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.6	14754	PASS
175	174	5	9	7.6	1128	PASS
176	174	95	101	95.0	14017	PASS
177	176	5	9	6.7	945	PASS

Data File	Sample Number	Analysis Date:
1M52265.D	CAL @ 50 PPB	12/16/09 08:30
1M52266.D	BLK	12/16/09 08:53
1M52267.D	BLK	12/16/09 09:10
1M52268.D	DAILY BLANK	12/16/09 09:26
1M52269.D	BLK	12/16/09 09:42
1M52270.D	AC48866-003	12/16/09 10:00
1M52271.D	AC48892-003	12/16/09 10:16
1M52272.D	MBS14339	12/16/09 10:32
1M52273.D	AC48726-021	12/16/09 10:48
1M52274.D	AC48909-001	12/16/09 11:04
1M52275.D	AC48909-002	12/16/09 11:20
1M52276.D	AC48909-003	12/16/09 11:37
1M52277.D	AC48908-003	12/16/09 11:53
1M52278.D	BLK	12/16/09 12:09
1M52279.D	AC48787-002(MS)	12/16/09 12:25
1M52280.D	AC48787-002(MSD	12/16/09 12:41
1M52281.D	BLK	12/16/09 12:57
1M52282.D	AC48892-004	12/16/09 13:13
1M52283.D	AC48892-001	12/16/09 13:30
1M52284.D	AC48887-008	12/16/09 13:46
1M52285.D	AC48886-002	12/16/09 14:02
1M52286.D	AC48886-001	12/16/09 14:18
1M52287.D	BLK	12/16/09 14:34
1M52288.D	AC48906-001	12/16/09 14:50
1M52289.D	AC48906-002	12/16/09 15:06
1M52290.D	AC48906-003	12/16/09 15:22
1M52291.D	AC48906-004	12/16/09 15:39
1M52292.D	BLK	12/16/09 15:55
1M52293.D	BLK	12/16/09 16:11
1M52294.D	AC48892-003	12/16/09 16:27
1M52295.D	MBS14345	12/16/09 16:43
1M52296.D	AC48787-001(MS)	12/16/09 16:59
1M52297.D	AC48787-001(MSD	12/16/09 17:15
1M52298.D	BLK	12/16/09 17:31
1M52299.D	AC48920-001	12/16/09 17:48
1M52300.D	AC48920-002	12/16/09 18:04
1M52301.D	AC48920-003	12/16/09 18:20
1M52302.D	AC48920-004	12/16/09 18:36
1M52303.D	AC48920-005	12/16/09 18:52
1M52304.D	AC48920-006	12/16/09 19:08
1M52305.D	AC48920-007	12/16/09 19:24
1M52306.D	AC48920-008	12/16/09 19:40
1M52307.D	AC48787-002(MSD	12/16/09 19:56
1M52308.D	BLK	12/16/09 20:12
1M52309.D	BLK	12/16/09 20:28
1M52310.D	BLK	12/16/09 20:44
1M52311.D	BLK	12/16/09 21:00

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M51537.D Method: EPA 8260B

Analysis Date/Time: 11/30/09 10:14

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	115088	4.61	87032	6.45	48413	7.88						
Eval File Area Limit:	57544-230176		43516-174064		24206-96826							
Eval File Rt Limit:	4.11-5.11		5.95-6.95		7.38-8.38							

Data File	Sample											
1M51532.D	BLK	107764	4.62	83720	6.45	44210	7.88					
1M51533.D	CAL @ 500 P	104973	4.62	79257	6.45	39377	7.88					
1M51534.D	CAL @ 250 P	109042	4.61	80319	6.45	42811	7.88					
1M51535.D	CAL @ 100 P	110224	4.62	85005	6.45	45539	7.87					
1M51536.D	CAL @ 50 PP	111339	4.61	81836	6.45	45940	7.88					
1M51537.D	CAL @ 20 PP	115088	4.61	87032	6.45	48413	7.88					
1M51538.D	CAL @ 10 PP	116353	4.62	87843	6.45	50365	7.88					
1M51539.D	CAL @ 5 PPB	109369	4.61	81771	6.45	47083	7.88					
1M51540.D	BLK	101019	4.62	74710	6.45	38482	7.88					
1M51541.D	CAL @ 0.5 P	106260	4.61	82456	6.45	42467	7.88					
1M51542.D	CAL @ 1 PPB	102394	4.61	79925	6.45	42827	7.88					
1M51543.D	ICV	110828	4.62	82342	6.45	45358	7.88					
1M51544.D	BLK	111378	4.61	81727	6.45	42457	7.88					
1M51545.D	DAILY BLANK	103215	4.62	79667	6.45	41719	7.88					
1M51547.D	MBS14155	104972	4.62	80649	6.45	44498	7.87					
1M51548.D	MBS14156	116034	4.62	83489	6.45	47432	7.88					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M52210.D Method: EPA 8260B

Analysis Date/Time: 12/15/09 07:26

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	122233	4.60	102512	6.44	51662	7.86						
Eval File Area Limit:	61116-244466		51256-205024		25831-103324							
Eval File Rt Limit:	4.1-5.1		5.94-6.94		7.36-8.360001							

Data File	Sample											
1M52211.D	BLK	95073	4.60	81470	6.44	45095	7.87					
1M52212.D	DAILY BLANK	91460	4.61	80891	6.44	45740	7.86					
1M52213.D	MBS14322	99061	4.61	82338	6.44	46615	7.87					
1M52214.D	BLK	91207	4.60	81560	6.44	45452	7.86					
1M52215.D	AC48818-006	70920	4.61	56344	6.44	24058	7.86					
1M52216.D	MBS14329	93582	4.60	79089	6.44	44871	7.86					
1M52217.D	AC48850-034	88950	4.61	72926	6.44	38799	7.86					
1M52218.D	AC48870-001	85513	4.60	64654	6.44	26906	7.87					
1M52219.D	AC48870-002	84847	4.60	72061	6.44	40528	7.86					
1M52220.D	AC48870-003	96706	4.61	82198	6.44	37988	7.86					
1M52221.D	AC48870-004	101825	4.60	79589	6.44	37521	7.86					
1M52222.D	AC48883-001	100386	4.61	91704	6.44	49726	7.86					
1M52223.D	AC48883-002	94929	4.61	87397	6.44	49731	7.86					
1M52224.D	AC48883-003	100130	4.60	89834	6.44	53793	7.86					
1M52225.D	AC48883-004	103959	4.60	89348	6.44	51319	7.87					
1M52226.D	AC48883-005	93123	4.60	82588	6.44	43723	7.87					
1M52227.D	AC48883-006	94016	4.61	83373	6.44	44782	7.86					
1M52228.D	AC48883-007	92614	4.60	83835	6.44	46332	7.86					
1M52229.D	AC48883-008	92635	4.60	81511	6.44	43483	7.87					
1M52230.D	AC48866-001	89889	4.62	79455	6.46	43833	7.88					
1M52231.D	AC48866-002	94257	4.61	85522	6.44	47097	7.86					
1M52232.D	AC48866-003	64705	4.61	55999	6.44	24998	7.87					
1M52233.D	AC48866-004	99371	4.61	90087	6.44	48132	7.86					
1M52234.D	AC48866-005	90762	4.61	84476	6.44	47400	7.86					
1M52235.D	AC48866-009	88928	4.61	81038	6.44	44355	7.87					
1M52236.D	AC48726-006	97413	4.60	86684	6.44	45659	7.87					
1M52237.D	AC48850-024	102763	4.61	87993	6.44	49664	7.86					
1M52238.D	AC48850-024	106789	4.60	85574	6.44	50150	7.86					
1M52239.D	BLK	91746	4.61	80973	6.44	48065	7.86					
1M52240.D	BLK	91502	4.60	82469	6.44	47249	7.86					
1M52241.D	MBS14334	100216	4.61	82291	6.44	49890	7.86					
1M52242.D	AC48726-009	98473	4.61	88954	6.44	48286	7.86					
1M52243.D	MBS14335	99319	4.61	83771	6.44	49328	7.86					
1M52244.D	AC48726-021	82909	4.61	60421	6.44	20645	7.86					
1M52245.D	AC48850-031	98397	4.61	83477	6.44	48758	7.86					
1M52246.D	AC48850-031	103449	4.60	91012	6.44	50890	7.86					
1M52247.D	AC48887-007	91342	4.60	73217	6.44	33416	7.86					
1M52248.D	AC48887-006	99610	4.61	86539	6.44	44076	7.86					
1M52249.D	AC48787-001	77596	4.60	66235	6.44	30532	7.86					
1M52250.D	AC48787-002	92357	4.61	76719	6.44	34410	7.86					
1M52251.D	AC48892-004	73457	4.61	49679	6.44	15689	7.86					
1M52252.D	AC48892-002	90224	4.60	74659	6.44	36560	7.86					
1M52253.D	AC48892-001	86695	4.61	63867	6.44	24957	7.86					
1M52254.D	AC48887-008	96107	4.60	78226	6.44	38218	7.86					
1M52255.D	BLK	86301	4.61	79499	6.44	44206	7.86					
1M52256.D	BLK	90650	4.60	81462	6.44	47645	7.86					
1M52257.D	BLK	88131	4.61	78889	6.44	46423	7.86					
1M52258.D	BLK	86802	4.61	73902	6.44	41474	7.86					
1M52259.D	BLK	97997	4.60	87986	6.44	45481	7.86					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M52265.D Method: EPA 8260B

Analysis Date/Time: 12/16/09 08:30

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	113067	4.60	96185	6.43	57602	7.85						
Eval File Area Limit:	56534-226134		48092-192370		28801-115204							
Eval File Rt Limit:	4.1-5.1		5.93-6.93		7.35-8.35							

Data File	Sample											
1M52266.D	BLK	110550	4.59	100059	6.43	45687	7.85					
1M52267.D	BLK	83525	4.60	75093	6.43	39544	7.85					
1M52268.D	DAILY BLANK	86488	4.60	77579	6.43	41366	7.85					
1M52269.D	BLK	81927	4.59	70989	6.43	39953	7.85					
1M52270.D	AC48866-003	81695	4.60	71576	6.43	34208	7.85					
1M52271.D	AC48892-003	78778	4.59	57414	6.43	22320	7.85					
1M52272.D	MBS14339	96289	4.60	79839	6.43	46625	7.85					
1M52273.D	AC48726-021	94595	4.59	82934	6.43	43885	7.85					
1M52274.D	AC48909-001	89903	4.60	78064	6.43	43635	7.85					
1M52275.D	AC48909-002	89221	4.60	77910	6.43	42267	7.85					
1M52276.D	AC48909-003	88258	4.60	77357	6.43	43365	7.85					
1M52277.D	AC48908-003	81104	4.60	72532	6.43	41442	7.86					
1M52278.D	BLK	102325	4.60	90342	6.43	48750	7.86					
1M52279.D	AC48787-002(	88605	4.60	71205	6.43	35756	7.85					
1M52280.D	AC48787-002(	31743	4.60	24548	6.43	11988	7.86					
1M52281.D	BLK	89829	4.60	78346	6.43	44099	7.85					
1M52282.D	AC48892-004	86045	4.60	67534	6.43	25746	7.85					
1M52283.D	AC48892-001	68364	4.61	37632	6.43	10662	7.86					
1M52284.D	AC48887-008	88336	4.59	66067	6.43	25737	7.85					
1M52285.D	AC48886-002	95153	4.60	80958	6.43	40899	7.85					
1M52286.D	AC48886-001	86594	4.59	71998	6.43	35448	7.85					
1M52287.D	BLK	92868	4.62	83820	6.45	46604	7.87					
1M52288.D	AC48906-001	15727	4.59	15204	6.43	7419	7.86					
1M52289.D	AC48906-002	93611	4.60	86892	6.43	47380	7.85					
1M52290.D	AC48906-003	77097	4.60	58502	6.43	20548	7.85					
1M52291.D	AC48906-004	87866	4.60	82496	6.43	44933	7.85					
1M52292.D	BLK	72947	4.60	68862	6.43	38698	7.85					
1M52293.D	BLK	86659	4.60	79632	6.43	43976	7.85					
1M52294.D	AC48892-003	90061	4.60	80724	6.43	45278	7.85					
1M52295.D	MBS14345	90649	4.61	77676	6.44	46604	7.86					
1M52296.D	AC48787-001(	91784	4.60	72593	6.43	34528	7.85					
1M52297.D	AC48787-001(	80622	4.60	66391	6.43	31367	7.85					
1M52298.D	BLK	87385	4.59	77602	6.43	42742	7.85					
1M52299.D	AC48920-001	71164	4.60	54979	6.43	23601	7.85					
1M52300.D	AC48920-002	71309	4.60	52302	6.43	20357	7.86					
1M52301.D	AC48920-003	67450	4.60	49171	6.43	18668	7.85					
1M52302.D	AC48920-004	61252	4.59	45551	6.43	16886	7.86					
1M52303.D	AC48920-005	70537	4.60	55644	6.43	23026	7.85					
1M52304.D	AC48920-006	68258	4.60	49171	6.43	16509	7.85					
1M52305.D	AC48920-007	69954	4.59	54484	6.43	21183	7.85					
1M52306.D	AC48920-008	65136	4.59	47427	6.43	16652	7.85					
1M52307.D	AC48787-002(	93829	4.60	75634	6.43	38891	7.85					
1M52308.D	BLK	87435	4.59	78730	6.43	43715	7.85					
1M52309.D	BLK	86158	4.60	74793	6.43	40376	7.85					
1M52310.D	BLK	79114	4.59	70657	6.43	38269	7.85					
1M52311.D	BLK	73646	4.60	64458	6.43	32267	7.85					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1.4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC48886-001
Client Id: PI-01-TP-RAM1-121109SS
Data File: 1M52286.D
Analysis Date: 12/16/09 14:18
Date Rec/Extracted: 12/14/09-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5.18g
Final Vol: NA
Dilution: 0.965
Solids: 58

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0083	U	56-23-5	Carbon Tetrachloride	0.0083	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0083	U	108-90-7	Chlorobenzene	0.0083	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0083	U	75-00-3	Chloroethane	0.0083	U
79-00-5	1,1,2-Trichloroethane	0.0083	U	67-66-3	Chloroform	0.0083	U
75-34-3	1,1-Dichloroethane	0.0083	U	74-87-3	Chloromethane	0.0083	U
75-35-4	1,1-Dichloroethene	0.0083	U	156-59-2	cis-1,2-Dichloroethene	0.0083	U
96-18-4	1,2,3-Trichloropropane	0.0083	U	10061-01-5	cis-1,3-Dichloropropene	0.0083	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0017**	**0.036**	124-48-1	Dibromochloromethane	0.0083	U
95-50-1	1,2-Dichlorobenzene	0.0083	U	75-71-8	Dichlorodifluoromethane	0.0083	U
107-06-2	1,2-Dichloroethane	0.0083	U	**100-41-4**	**Ethylbenzene**	**0.0017**	**0.0049**
78-87-5	1,2-Dichloropropane	0.0083	U	**98-82-8**	**Isopropylbenzene**	**0.0017**	**0.0050**
108-67-8	**1,3,5-Trimethylbenzene**	**0.0017**	**0.015**	**136777612**	**m&p-Xylenes**	**0.0017**	**0.0065**
541-73-1	1,3-Dichlorobenzene	0.0083	U	75-09-2	Methylene Chloride	0.0083	U
142-28-9	1,3-Dichloropropane	0.0083	U	1634-04-4	Methyl-t-butyl ether	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.0083	U	**104-51-8**	**n-Butylbenzene**	**0.0017**	**0.0072**
123-91-1	1,4-Dioxane	0.42	U	**103-65-1**	**n-Propylbenzene**	**0.0017**	**0.0069**
78-93-3	2-Butanone	0.0083	U	**95-47-6**	**o-Xylene**	**0.0017**	**0.0080**
110-75-8	2-Chloroethylvinylether	0.0083	U	**135-98-8**	**sec-Butylbenzene**	**0.0017**	**0.0036**
591-78-6	2-Hexanone	0.0083	U	100-42-5	Styrene	0.0083	U
99-87-6	**4-Isopropyltoluene**	**0.0017**	**0.021**	75-65-0	t-Butyl Alcohol	0.042	U
108-10-1	4-Methyl-2-Pentanone	0.0083	U	98-06-6	t-Butylbenzene	0.0017	U
67-64-1	**Acetone**	**0.042**	**0.080**	127-18-4	Tetrachloroethene	0.0083	U
107-02-8	Acrolein	0.042	U	**108-88-3**	**Toluene**	**0.0017**	**0.0031**
107-13-1	Acrylonitrile	0.0083	U	156-60-5	trans-1,2-Dichloroethene	0.0083	U
71-43-2	**Benzene**	**0.0017**	**0.0040**	10061-02-6	trans-1,3-Dichloropropene	0.0083	U
75-27-4	Bromodichloromethane	0.0083	U	79-01-6	Trichloroethene	0.0083	U
75-25-2	Bromoform	0.0083	U	75-69-4	Trichlorofluoromethane	0.0083	U
74-83-9	Bromomethane	0.0083	U	75-01-4	Vinyl Chloride	0.0083	U
75-15-0	**Carbon Disulfide**	**0.0083**	**0.012**	**1330-20-7**	**Xylenes (Total)**	**0.0017**	**0.0145**

Worksheet #: 138336

Total Target Concentration 0.21

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC48886-001
Client Id: PI-01-TP-RAM1-121109
Data File: 1M52286.D
Analysis Date: 12/16/09 14:18
Date Rec/Extracted: 12/14/09-NA

Matrix: Soil
Initial Vol: 5.18g
Final Vol: NA
Dilution: 0.965
Solids: 58
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	124-18-5	Decane	7.34	0.21 J
2		unknown	7.77	0.15 J
3	1074-43-7	Benzene, 1-methyl-3-propyl-	8.01	0.16 J
4	934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.29	0.17 J
5	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.39	0.28 J
6	1560-06-1	Benzene, 2-butenyl-	8.77	0.16 J
7	17301-23-4	Undecane, 2,6-dimethyl-	8.87	0.40 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.19	0.21 J
9	91-20-3	Naphthalene	9.33	0.20 J
10	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.67	0.16 J

Worksheet #: 138336

Total Tentatively Identified Concentration 2.1

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

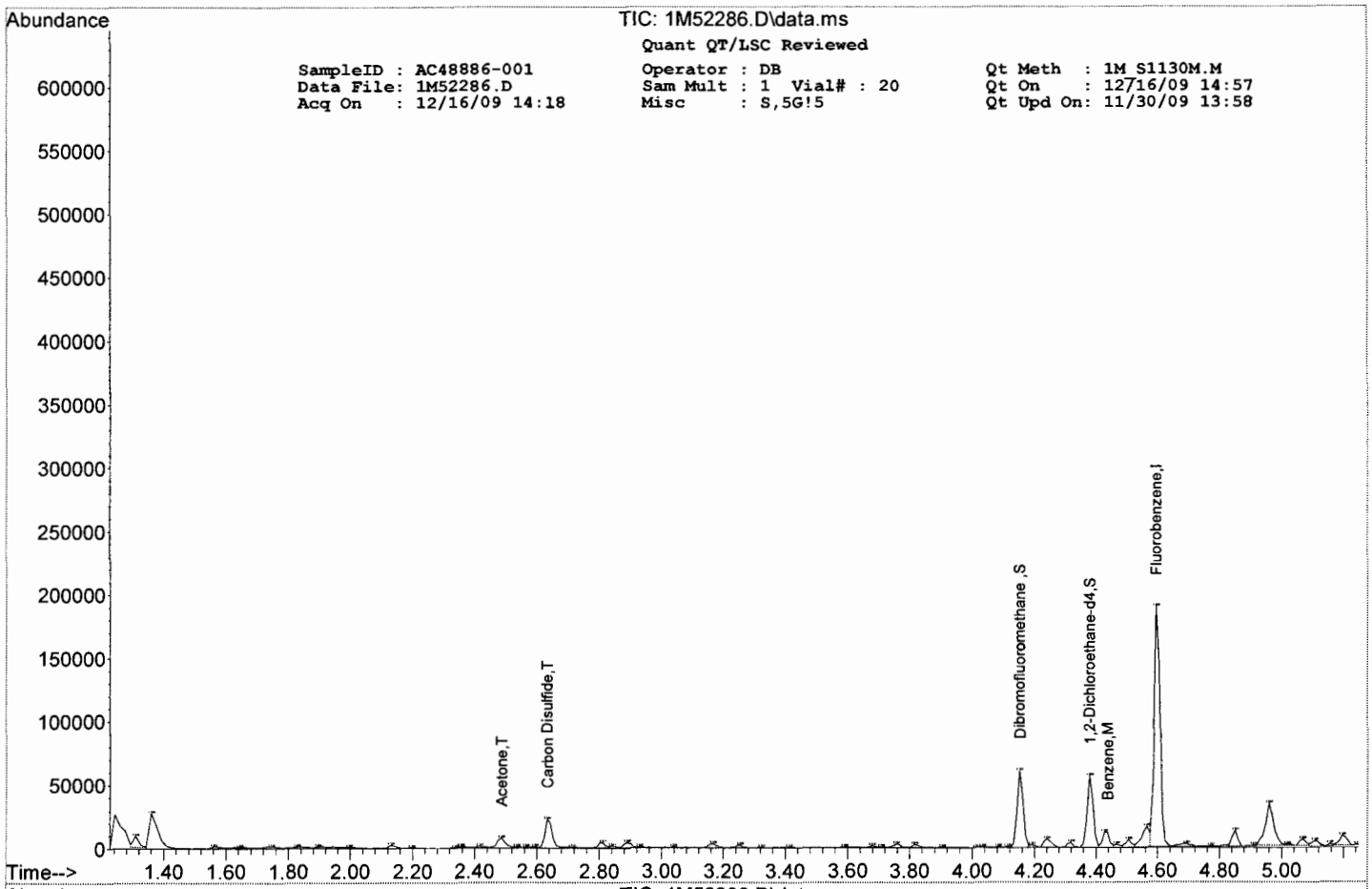
Quantitation Report (QT/LSC Reviewed)

SampleID : AC48886-001 Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52286.D Sam Mult : 1 Vial# : 20 Qt On : 12/16/09 14:57
Acq On : 12/16/09 14:18 Misc : S,5G!5 Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.595	96	86594	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.428	117	71998	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.847	152	35448	30.00	ug/l	-0.03
System Monitoring Compounds						
30) Dibromofluoromethane	4.151	111	24069	31.02	ug/l	-0.02
Spiked Amount 30.000			Recovery = 103.40%			
32) 1,2-Dichloroethane-d4	4.378	102	4478	30.37	ug/l	-0.02
Spiked Amount 30.000			Recovery = 101.23%			
56) Toluene-d8	5.561	100	61085	28.72	ug/l	-0.02
Spiked Amount 30.000			Recovery = 95.73%			
64) Bromofluorobenzene	7.128	174	33127	33.10	ug/l	-0.02
Spiked Amount 30.000			Recovery = 110.33%			
Target Compounds						Qvalue
14) Acetone	2.486	43	9579	48.31	ug/l	91
15) Carbon Disulfide	2.634	76	25353	7.42	ug/l	100
43) Benzene	4.437	78	7513	2.38	ug/l	100
57) Toluene	5.600	92	5971	1.88	ug/l	99
62) Ethylbenzene	6.497	106	3116	2.93	ug/l	92
66) m&p-Xylenes	6.566	106	6857	3.90	ug/l	100
67) o-Xylene	6.813	106	8019	4.83	ug/l	94
72) Isopropylbenzene	7.029	105	13454	3.03	ug/l	82
78) n-Propylbenzene	7.276	91	23113	4.13	ug/l	99
80) 1,3,5-Trimethylbenzene	7.374	105	29088	9.05	ug/l	99
82) 1,2,4-Trimethylbenzene	7.611	105	83313	21.73	ug/l	82
83) sec-Butylbenzene	7.719	105	9964	2.14	ug/l	76
84) 4-Isopropyltoluene	7.798	119	45786m	12.43	ug/l	
85) n-Butylbenzene	8.064	91	20859m	4.31	ug/l	
Library Search Compounds						
1) 124-18-5	7.340		441676	128.12	ug/l	46
2) UNKNOWN	7.770		316738	91.88	ug/l	--
3) 1074-43-7	8.010		330028	95.73	ug/l	81
4) 527-84-4	8.210		267972	77.73	ug/l	76
5) 934-80-5	8.290		347339	100.75	ug/l	87
6) 767-58-8	8.390		582435	168.95	ug/l	81
7) 2958-76-1	8.510		306549	88.92	ug/l	91
8) 1560-06-1	8.770		329667	95.63	ug/l	60
9) 17301-23-4	8.870		827064	239.91	ug/l	70
10) 4175-53-5	9.080		261699	75.91	ug/l	64
11) 4175-53-5	9.190		438276	127.13	ug/l	81
12) 91-20-3	9.330		415246	120.45	ug/l	95
13) 4175-53-5	9.670		326291	94.65	ug/l	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed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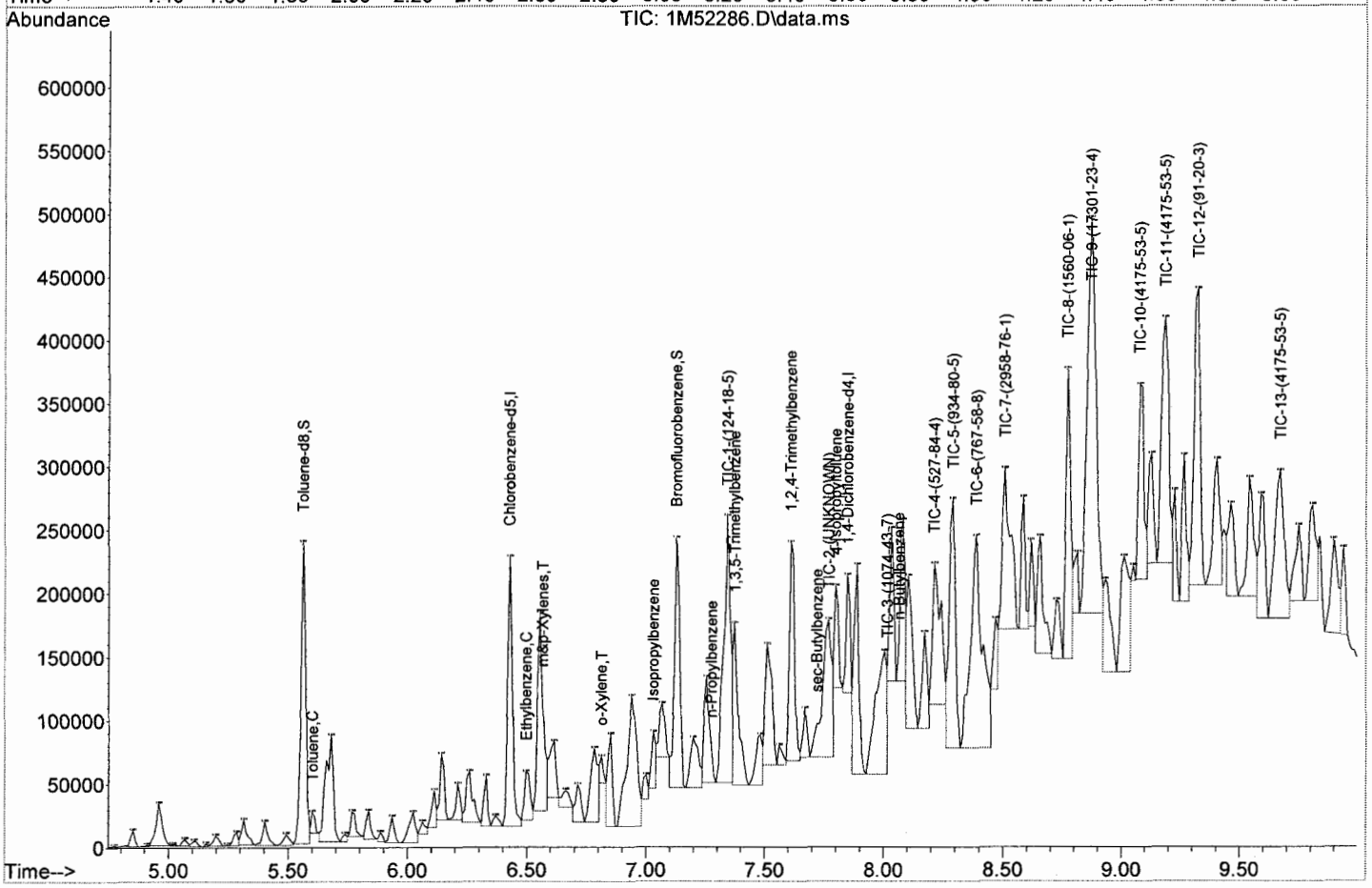
Quant QT/LSC Reviewed
SampleID : AC48886-001
Data File: 1M52286.D
Acq On : 12/16/09 14:18
Operator : DB
Sam Mult : 1 Vial# : 20
Misc : S,5G!5
Qt Meth : 1M S1130M.M
Qt On : 12/16/09 14:57
Qt Upd On: 11/30/09 13:58
Abundance
Time-->
Acetone,T
Carbon Disulfide,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I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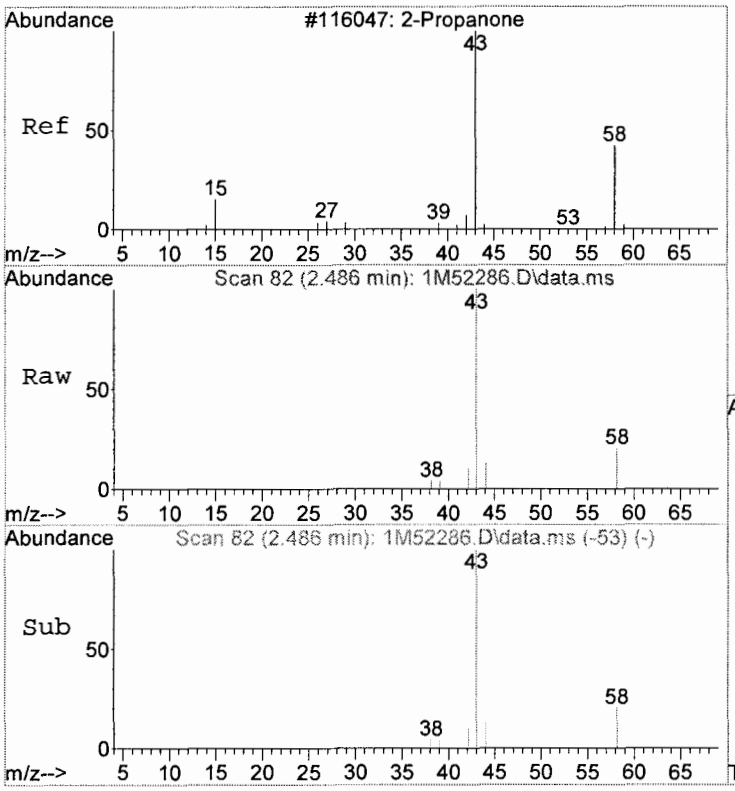
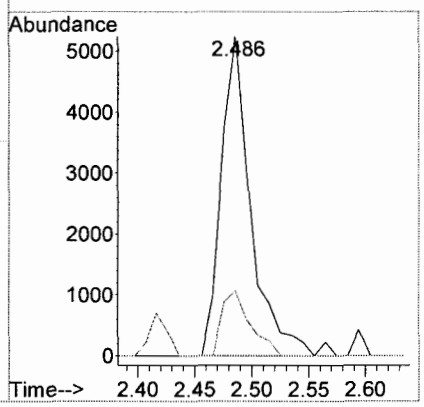
Abundance
Time-->
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
TIC-4-(527-84-4)
TIC-5-(934-80-5)
TIC-6-(767-58-8)
TIC-7-(2958-76-1)
TIC-8-(1560-06-1)
TIC-10-(4175-53-5)
TIC-11-(4175-53-5)
TIC-12-(91-20-3)
TIC-13-(4175-53-5)

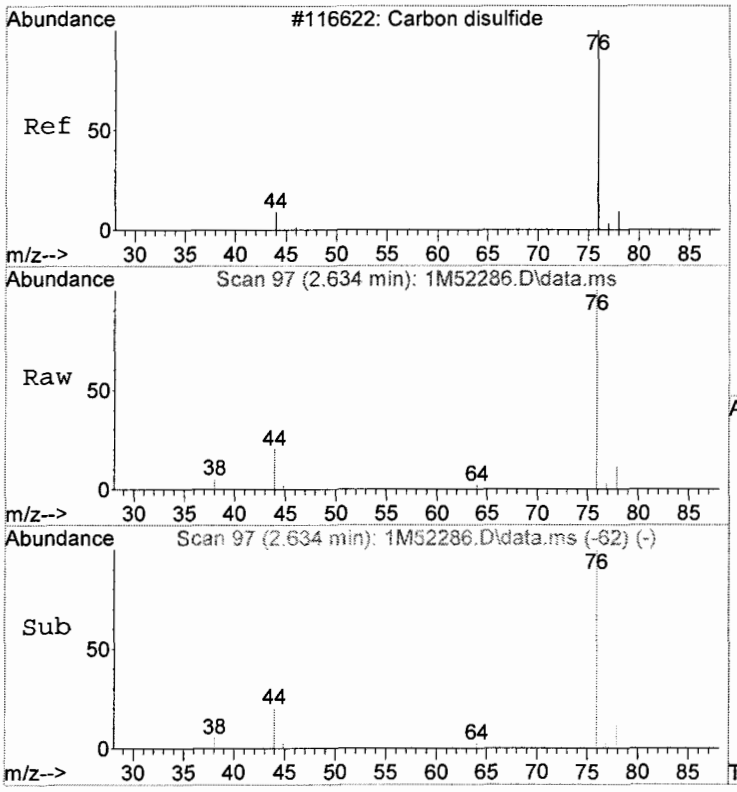


#14
Acetone
Concen: 48.31 ug/l
RT: 2.486 min Scan# 82
Delta R.T. -0.010 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion: 43 Resp: 9579

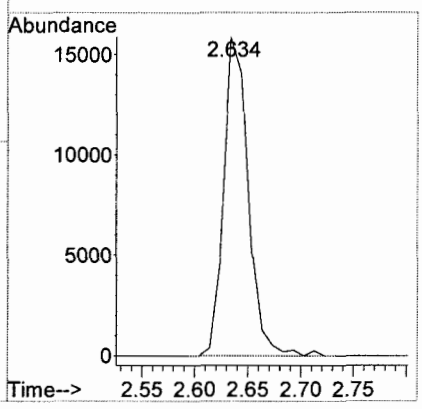
Ion	Ratio	Lower	Upper
43	100		
58	20.5	0.0	64.8

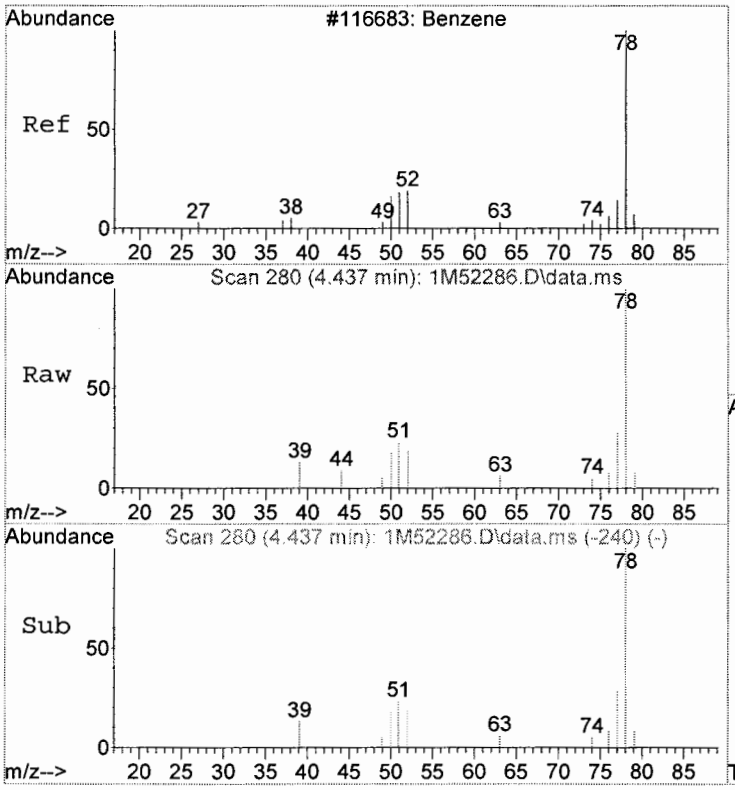




#15
Carbon Disulfide
Concen: 7.42 ug/l
RT: 2.634 min Scan# 97
Delta R.T. -0.020 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

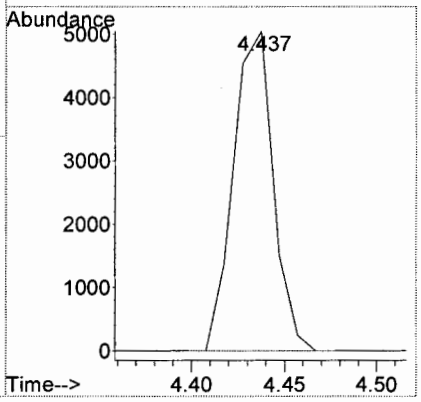
Tgt Ion: 76 Resp: 25353

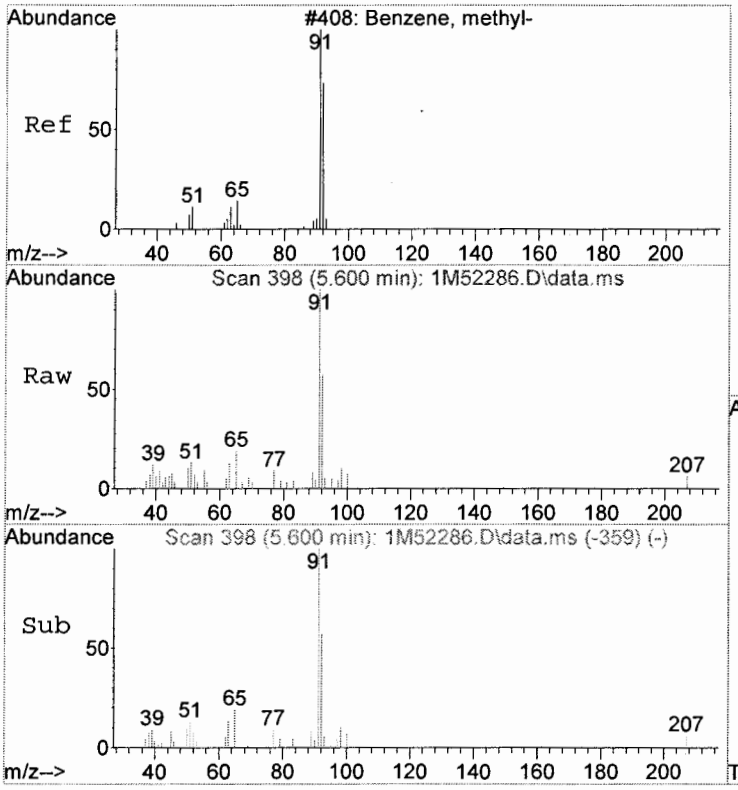




#43
Benzene
Concen: 2.38 ug/l
RT: 4.437 min Scan# 280
Delta R.T. -0.010 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion: 78 Resp: 7513

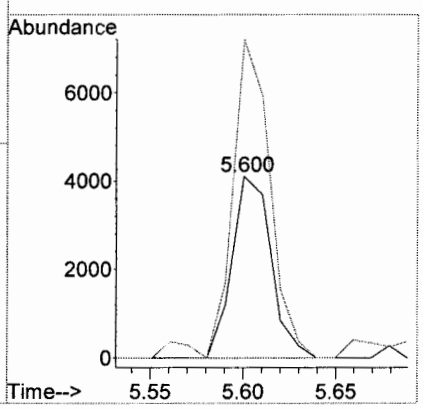


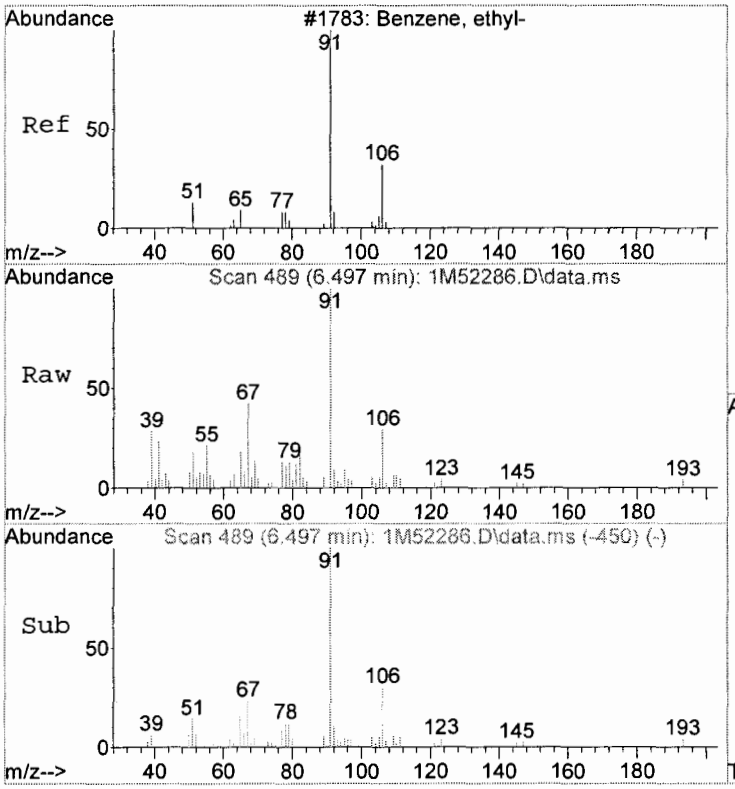


#57
Toluene
Concen: 1.88 ug/l
RT: 5.600 min Scan# 398
Delta R.T. -0.019 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion: 92 Resp: 5971

Ion	Ratio	Lower	Upper
92	100		
91	175.4	104.1	242.9

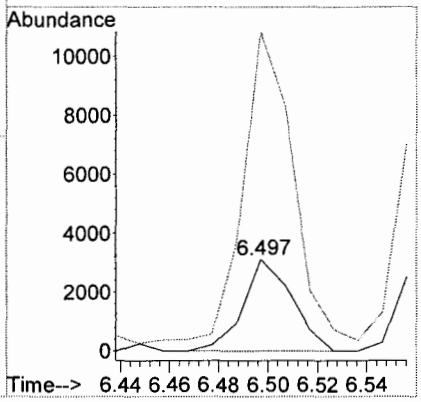


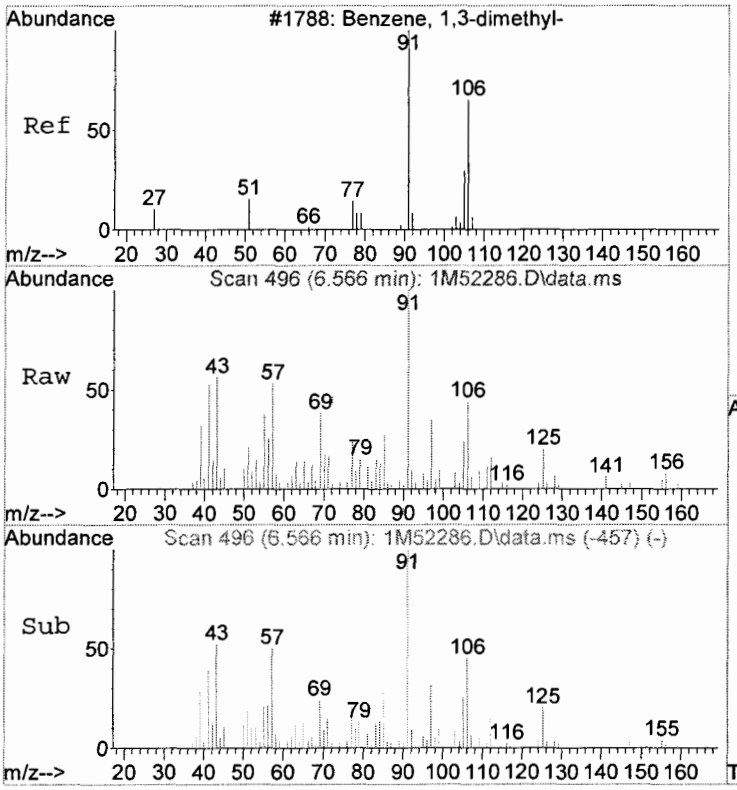


#62
Ethylbenzene
Concen: 2.93 ug/l
RT: 6.497 min Scan# 489
Delta R.T. -0.020 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion:106 Resp: 3116

Ion	Ratio	Lower	Upper
106	100		
91	335.4	191.5	446.7

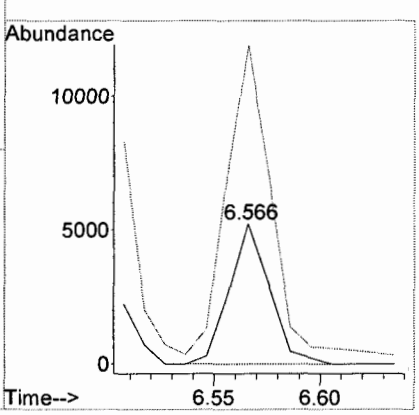


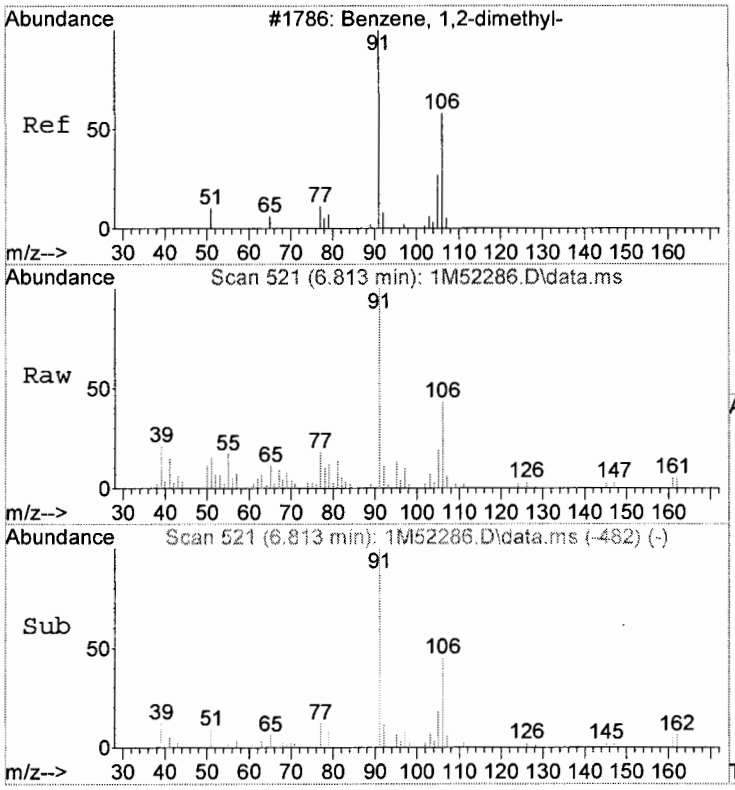


#66
m&p-Xylenes
Concen: 3.90 ug/l
RT: 6.566 min Scan# 496
Delta R.T. -0.020 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion:106 Resp: 6857

Ion	Ratio	Lower	Upper
106	100		
91	220.8	132.0	308.0

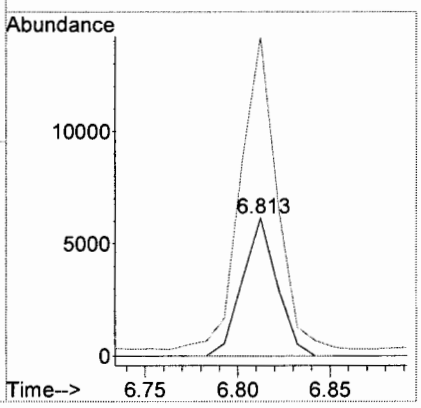


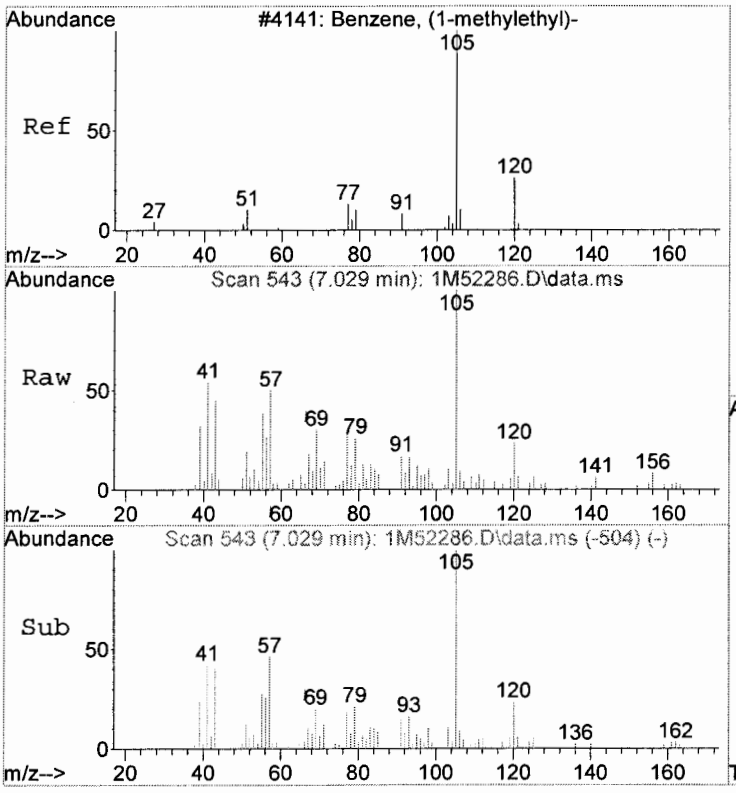


#67
o-Xylene
Concen: 4.83 ug/l
RT: 6.813 min Scan# 521
Delta R.T. -0.020 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion:106 Resp: 8019

Ion	Ratio	Lower	Upper
106	100		
91	224.9	129.1	301.1

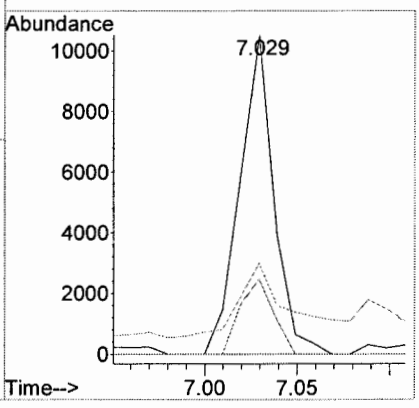


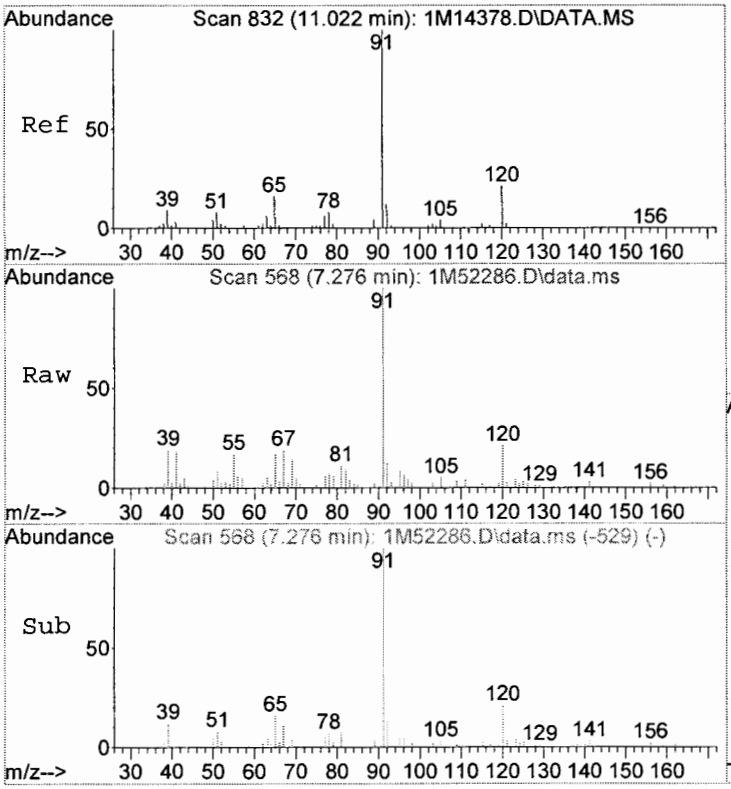


#72
Isopropylbenzene
Concen: 3.03 ug/l
RT: 7.029 min Scan# 543
Delta R.T. -0.020 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion:105 Resp: 13454

Ion	Ratio	Lower	Upper
105	100		
120	22.9	0.0	66.9
77	32.8	0.0	58.3

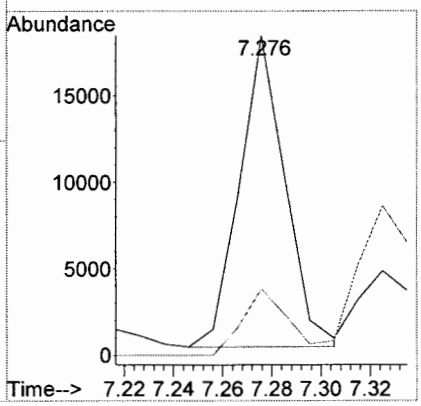


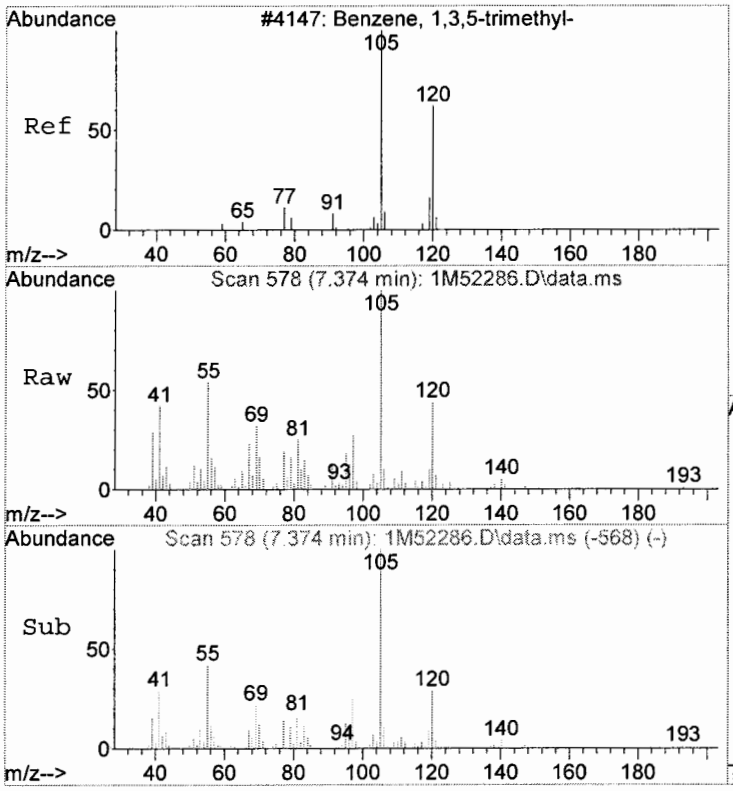


#78
n-Propylbenzene
Concen: 4.13 ug/l
RT: 7.276 min Scan# 568
Delta R.T. -0.020 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion: 91 Resp: 23113

Ion	Ratio	Lower	Upper
91	100		
120	21.2	0.0	61.6

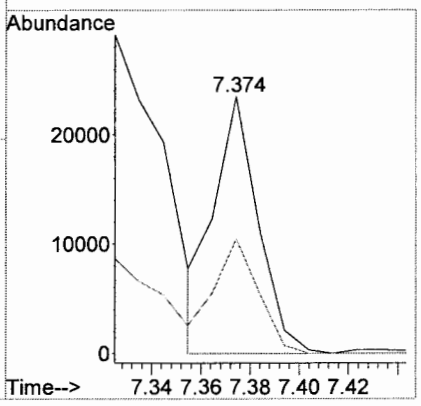


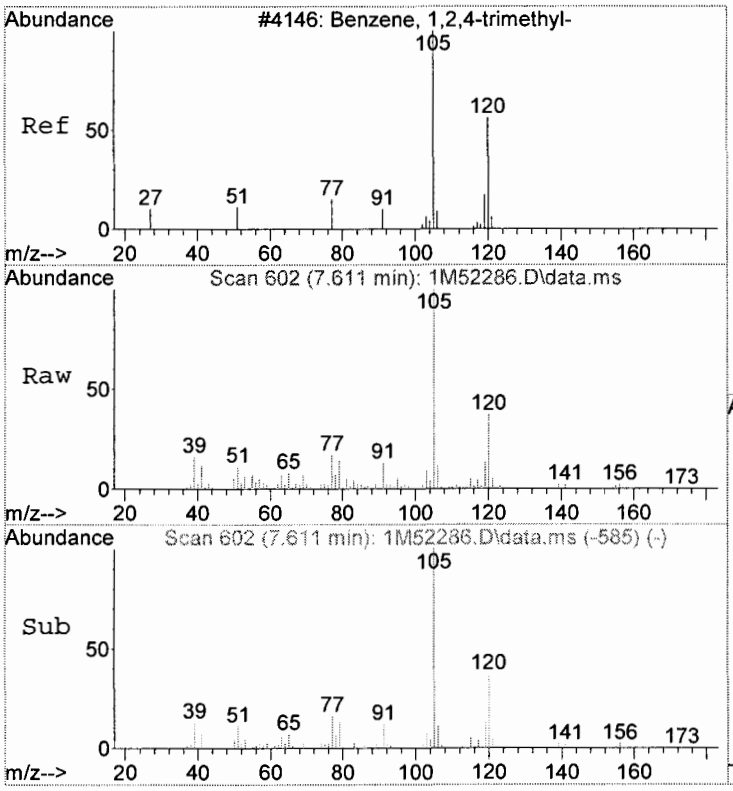


#80
1,3,5-Trimethylbenzene
Concen: 9.05 ug/l
RT: 7.374 min Scan# 578
Delta R.T. -0.019 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion:105 Resp: 29088

Ion	Ratio	Lower	Upper
105	100		
120	44.6	0.0	94.0

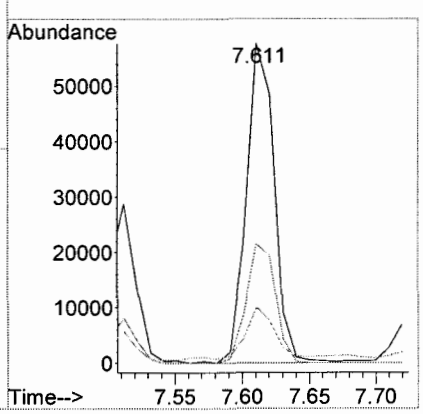


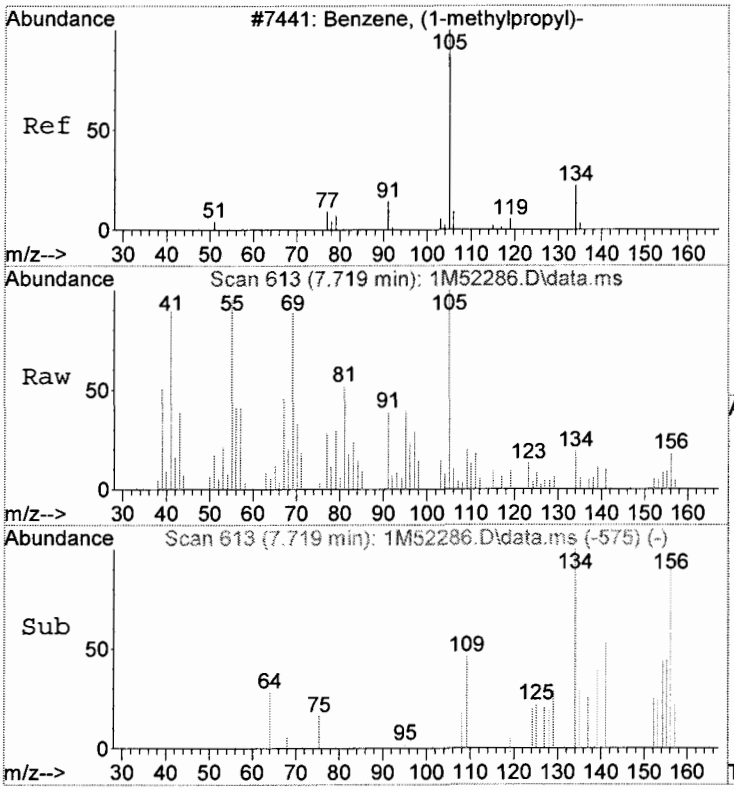


#82
1,2,4-Trimethylbenzene
Concen: 21.73 ug/l
RT: 7.611 min Scan# 602
Delta R.T. -0.030 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion:105 Resp: 83313

Ion	Ratio	Lower	Upper
105	100		
120	39.0	12.2	92.2
77	18.0	0.0	66.0

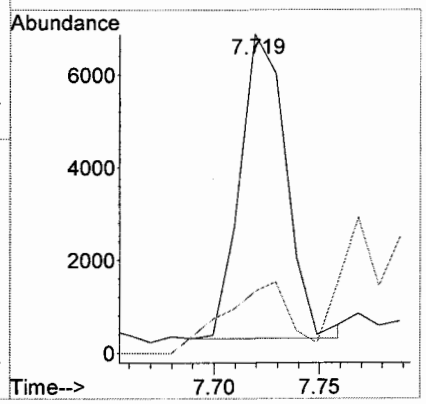


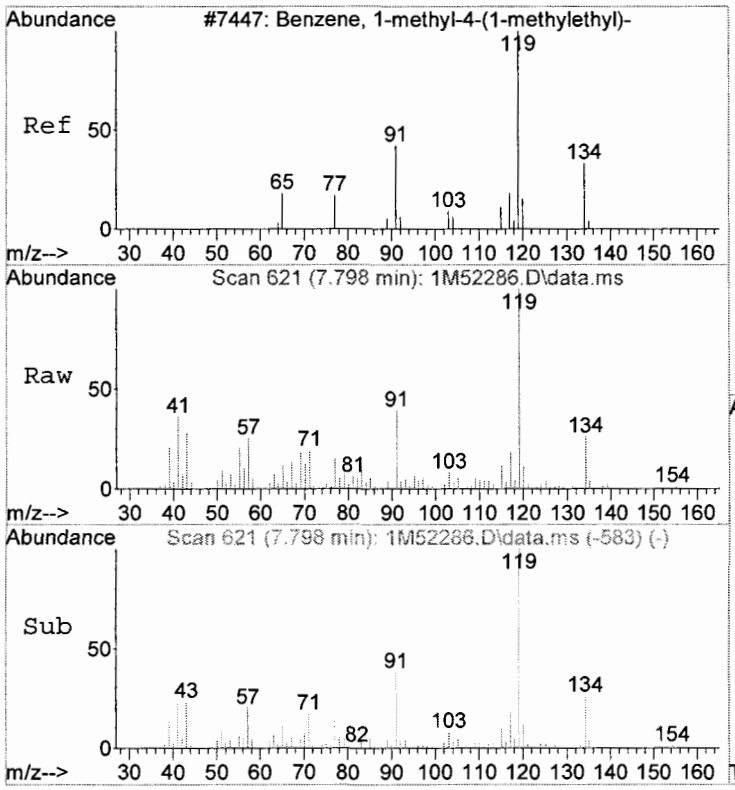


#83
sec-Butylbenzene
Concen: 2.14 ug/l
RT: 7.719 min Scan# 613
Delta R.T. -0.030 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion:105 Resp: 9964

Ion	Ratio	Lower	Upper
105	100		
134	33.2	0.0	61.8

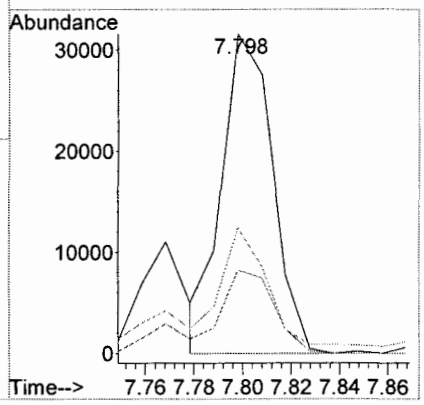


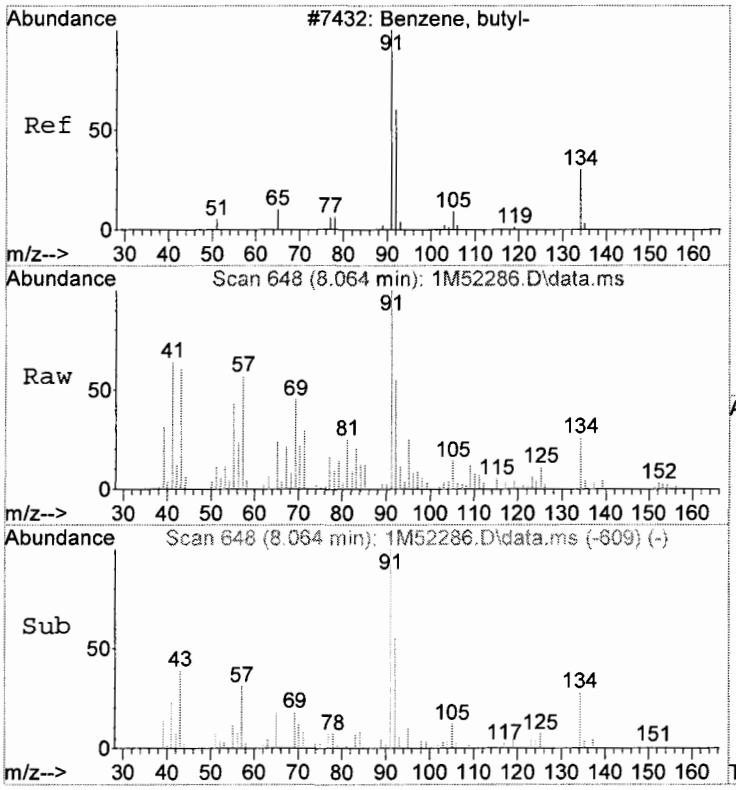


#84
4-Isopropyltoluene
Concen: 12.43 ug/l m
RT: 7.798 min Scan# 621
Delta R.T. -0.029 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion:119 Resp: 45786

Ion	Ratio	Lower	Upper
119	100		
134	34.4	0.0	66.7
91	44.1	0.0	66.3

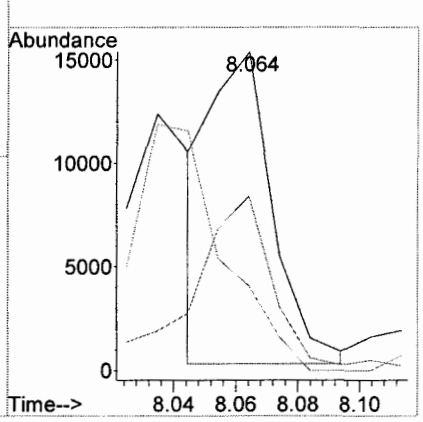




#85
n-Butylbenzene
Concen: 4.31 ug/l m
RT: 8.064 min Scan# 648
Delta R.T. -0.020 min
Lab File: 1M52286.D
Acq: 16 Dec 2009 14:18

Tgt Ion: 91 Resp: 20859

Ion	Ratio	Lower	Upper
91	100		
92	71.0	8.4	88.4
134	111.7	3.6	83.6#



LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52286.D
Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M52286.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.310	5	6	8	rVB	8515	10165	1.23%	0.076%
2	1.360	8	9	17	rVB	27504	54719	6.62%	0.408%
3	1.561	19	21	23	rBV	1204	2945	0.36%	0.022%
4	1.645	23	26	29	rVV3	972	4607	0.56%	0.034%
5	1.745	29	32	35	rVV3	1299	5687	0.69%	0.042%
6	1.829	35	37	40	rVV2	1046	4036	0.49%	0.030%
7	1.896	40	41	45	rVV2	1177	4931	0.60%	0.037%
8	1.997	45	47	51	rVB2	1002	3132	0.38%	0.023%
9	2.131	53	55	57	rVB	2747	4159	0.50%	0.031%
10	2.198	57	59	62	rVB	573	1645	0.20%	0.012%
11	2.338	62	67	68	rBV	539	1742	0.21%	0.013%
12	2.358	68	69	73	rVV	1194	2148	0.26%	0.016%
13	2.417	73	75	78	rVV	1335	2135	0.26%	0.016%
14	2.486	78	82	86	rVV	7779	14715	1.78%	0.110%
15	2.535	86	87	89	rVV	867	1112	0.13%	0.008%
16	2.565	89	90	91	rVV	858	759	0.09%	0.006%
17	2.594	91	93	94	rVV2	1219	1296	0.16%	0.010%
18	2.634	94	97	104	rVV	22288	36472	4.41%	0.272%
19	2.712	104	105	107	rVV	560	703	0.08%	0.005%
20	2.811	107	115	117	rVV2	4152	7449	0.90%	0.056%
21	2.841	117	118	120	rVV2	1626	1989	0.24%	0.015%
22	2.890	120	123	126	rVV2	4334	7658	0.93%	0.057%
23	2.929	126	127	129	rVB	693	726	0.09%	0.005%
24	3.038	137	138	141	rVB	695	579	0.07%	0.004%
25	3.166	147	151	154	rBV	3364	6061	0.73%	0.045%
26	3.255	158	160	164	rVB	2139	2832	0.34%	0.021%
27	3.324	164	167	169	rVB	493	638	0.08%	0.005%
28	3.412	175	176	180	rVB	500	764	0.09%	0.006%
29	3.590	192	194	195	rBV	451	563	0.07%	0.004%
30	3.678	199	203	205	rBV2	1178	1622	0.20%	0.012%
31	3.708	205	206	208	rVB	482	544	0.07%	0.004%
32	3.757	208	211	214	rVB2	2663	4252	0.51%	0.032%
33	3.816	214	217	221	rBV	2480	3801	0.46%	0.028%
34	3.905	223	226	227	rBV	347	607	0.07%	0.005%
35	4.013	235	237	238	rBV	408	599	0.07%	0.004%

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52286.D
Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

36	4.033	238	239	243	rVV	829	1316	0.16%	0.010%
37	4.082	243	244	245	rVV	807	674	0.08%	0.005%
38	4.112	245	247	248	rVV	961	1230	0.15%	0.009%
39	4.151	248	251	254	rVV	60493	82888	10.02%	0.619%
40	4.191	254	255	258	rVV	1998	2504	0.30%	0.019%
41	4.240	258	260	264	rVV2	6604	11505	1.39%	0.086%
42	4.319	264	268	271	rVV	3821	5295	0.64%	0.040%
43	4.378	271	274	277	rVV	56043	75254	9.10%	0.562%
44	4.427	277	279	282	rVV	12047	19002	2.30%	0.142%
45	4.467	282	283	285	rVV2	2401	2919	0.35%	0.022%
46	4.506	285	287	289	rVV	5757	7667	0.93%	0.057%
47	4.565	289	293	294	rVV2	16204	28822	3.48%	0.215%
48	4.595	294	296	301	rVV	189129	249075	30.12%	1.859%
49	4.694	301	306	309	rVB4	2313	6088	0.74%	0.045%
50	4.772	311	314	315	rBV2	531	579	0.07%	0.004%
51	4.851	319	322	325	rVB	12331	15242	1.84%	0.114%
52	4.910	325	328	329	rBV2	986	1254	0.15%	0.009%
53	4.960	329	333	338	rBV2	33087	61636	7.45%	0.460%
54	5.019	338	339	342	rVB	1003	1398	0.17%	0.010%
55	5.068	342	344	346	rBV2	5202	7655	0.93%	0.057%
56	5.107	346	348	351	rVB2	4242	6957	0.84%	0.052%
57	5.157	351	353	354	rBV	1901	1672	0.20%	0.012%
58	5.196	354	357	360	rVB3	7689	12914	1.56%	0.096%
59	5.245	360	362	363	rBV	673	625	0.08%	0.005%
60	5.285	363	366	367	rBV2	9937	15092	1.82%	0.113%
61	5.314	367	369	374	rVB	19584	29952	3.62%	0.224%
62	5.403	374	378	383	rVB2	18668	29092	3.52%	0.217%
63	5.492	383	387	390	rBV3	8664	15905	1.92%	0.119%
64	5.561	390	394	397	rBV	237241	334962	40.50%	2.500%
65	5.600	397	398	401	rVB	16514	18161	2.20%	0.136%
66	5.679	401	406	410	rVB2	83259	187134	22.63%	1.397%
67	5.738	410	412	413	rBV	5923	8340	1.01%	0.062%
68	5.768	413	415	420	rVB2	19489	27655	3.34%	0.206%
69	5.837	420	422	426	rVB2	22102	29069	3.51%	0.217%
70	5.886	426	427	429	rVB	7219	7177	0.87%	0.054%
71	5.935	429	432	436	rVB	20410	27095	3.28%	0.202%
72	6.024	436	441	443	rBV3	23989	49668	6.01%	0.371%
73	6.063	443	445	447	rBV3	9592	14834	1.79%	0.111%
74	6.113	447	450	451	rBV2	29157	38882	4.70%	0.290%
75	6.142	451	453	456	rVB	51366	65648	7.94%	0.490%

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52286.D
Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

76	6.211	456	460	462	rBV3	27795	36575	4.42%	0.273%
77	6.261	462	465	470	rVB2	39779	76822	9.29%	0.573%
78	6.330	470	472	474	rVB	39457	42279	5.11%	0.316%
79	6.369	474	476	479	rVB4	8369	14216	1.72%	0.106%
80	6.428	479	482	487	rBV	212112	293641	35.50%	2.192%
81	6.497	487	489	492	rBV3	37778	66224	8.01%	0.494%
82	6.556	492	495	498	rBV2	155737	267424	32.33%	1.996%
83	6.615	498	501	503	rVB3	44140	79327	9.59%	0.592%
84	6.665	503	506	509	rVB5	13270	28081	3.40%	0.210%
85	6.714	509	511	514	rVB	29417	45862	5.55%	0.342%
86	6.783	514	518	520	rBV3	57982	134424	16.25%	1.003%
87	6.813	520	521	523	rVB2	20608	17068	2.06%	0.127%
88	6.852	523	525	527	rVB	72525	93970	11.36%	0.701%
89	6.941	527	534	538	rBV5	102534	309326	37.40%	2.309%
90	7.000	538	540	541	rBV2	18978	26181	3.17%	0.195%
91	7.029	541	543	544	rBV	44036	57504	6.95%	0.429%
92	7.069	544	547	550	rVB3	41928	70985	8.58%	0.530%
93	7.128	550	553	557	rVB2	196164	301868	36.50%	2.253%
94	7.197	557	560	564	rBV5	38990	101971	12.33%	0.761%
95	7.256	564	566	570	rVB2	82640	131871	15.94%	0.984%
96	7.345	570	575	577	rBV3	209514	441676	53.40%	3.296%
97	7.374	577	578	584	rVB3	126744	175899	21.27%	1.313%
98	7.483	584	589	590	rBV3	39326	82453	9.97%	0.615%
99	7.512	590	592	596	rVB2	94585	185838	22.47%	1.387%
100	7.562	596	597	600	rBV3	15239	21558	2.61%	0.161%
101	7.611	600	602	606	rBV	171454	261771	31.65%	1.954%
102	7.670	606	608	610	rVB2	37990	44714	5.41%	0.334%
103	7.769	610	618	620	rBV6	107809	316738	38.30%	2.364%
104	7.798	620	621	624	rVB2	79734	89373	10.81%	0.667%
105	7.847	624	626	628	rVB	92072	103422	12.50%	0.772%
106	7.887	628	630	634	rVB	164111	223902	27.07%	1.671%
107	8.005	634	642	643	rBV3	96661	330028	39.90%	2.463%
108	8.035	643	645	647	rVB2	119875	142919	17.28%	1.067%
109	8.084	647	650	651	rBV3	126582	188166	22.75%	1.404%
110	8.104	651	652	656	rVB3	119608	181654	21.96%	1.356%
111	8.173	656	659	661	rBV2	75340	115975	14.02%	0.866%
112	8.212	661	663	668	rBV4	110237	267972	32.40%	2.000%
113	8.291	668	671	674	rVB3	195396	347339	42.00%	2.592%
114	8.389	674	681	687	rBV3	166294	582435	70.42%	4.347%

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52286.D
Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

115	8.468	687	689	690	rBV2	55684	78051	9.44%	0.583%
116	8.508	690	693	699	rVB5	126230	306549	37.06%	2.288%
117	8.587	699	701	703	rBV	103614	123205	14.90%	0.920%
118	8.616	703	704	706	rVB	67690	63617	7.69%	0.475%
119	8.656	706	708	713	rVB5	92117	159774	19.32%	1.192%
120	8.725	713	715	718	rVB4	45955	77403	9.36%	0.578%
121	8.774	718	720	722	rBV2	228641	329667	39.86%	2.460%
122	8.813	722	724	725	rVB	47714	53148	6.43%	0.397%
123	8.872	725	730	735	rBV4	312252	827064	100.00%	6.173%
124	8.931	735	736	741	rVB4	72735	139231	16.83%	1.039%
125	9.010	741	744	747	rBV4	90751	253816	30.69%	1.894%
126	9.050	747	748	749	rBV	11912	7587	0.92%	0.057%
127	9.079	749	751	754	rBV3	153850	261699	31.64%	1.953%
128	9.129	754	756	758	rVB2	86489	121753	14.72%	0.909%
129	9.188	758	762	765	rBV3	193907	438276	52.99%	3.271%
130	9.227	765	766	768	rVB2	87604	66740	8.07%	0.498%
131	9.267	768	770	772	rBV	115268	159886	19.33%	1.193%
132	9.326	772	776	779	rVB	234065	415246	50.21%	3.099%
133	9.405	779	784	786	rBV5	99450	206988	25.03%	1.545%
134	9.464	788	790	793	rVB3	73202	121398	14.68%	0.906%
135	9.543	793	798	801	rBV5	93285	186941	22.60%	1.395%
136	9.592	801	803	806	rVB2	97611	163184	19.73%	1.218%
137	9.671	806	811	815	rBV4	115829	326291	39.45%	2.435%
138	9.750	815	819	821	rVB4	59324	111586	13.49%	0.833%
139	9.809	821	825	827	rBV2	75600	165130	19.97%	1.232%
140	9.897	830	834	837	rBV6	73614	167483	20.25%	1.250%
141	9.937	837	838	840	rVB	68255	67096	8.11%	0.501%

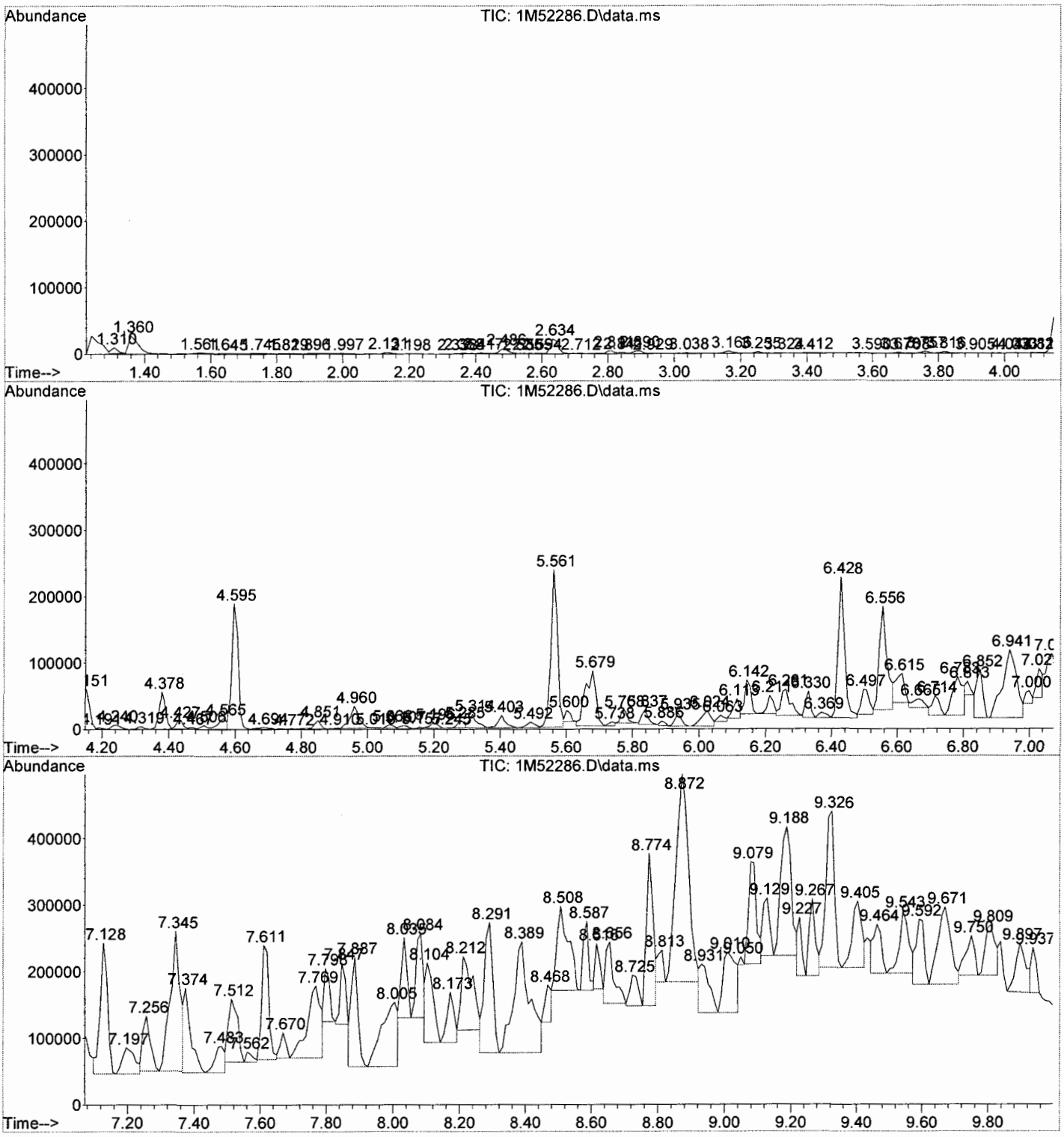
Sum of corrected areas: 13398889

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52286.D
Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52286.D
Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

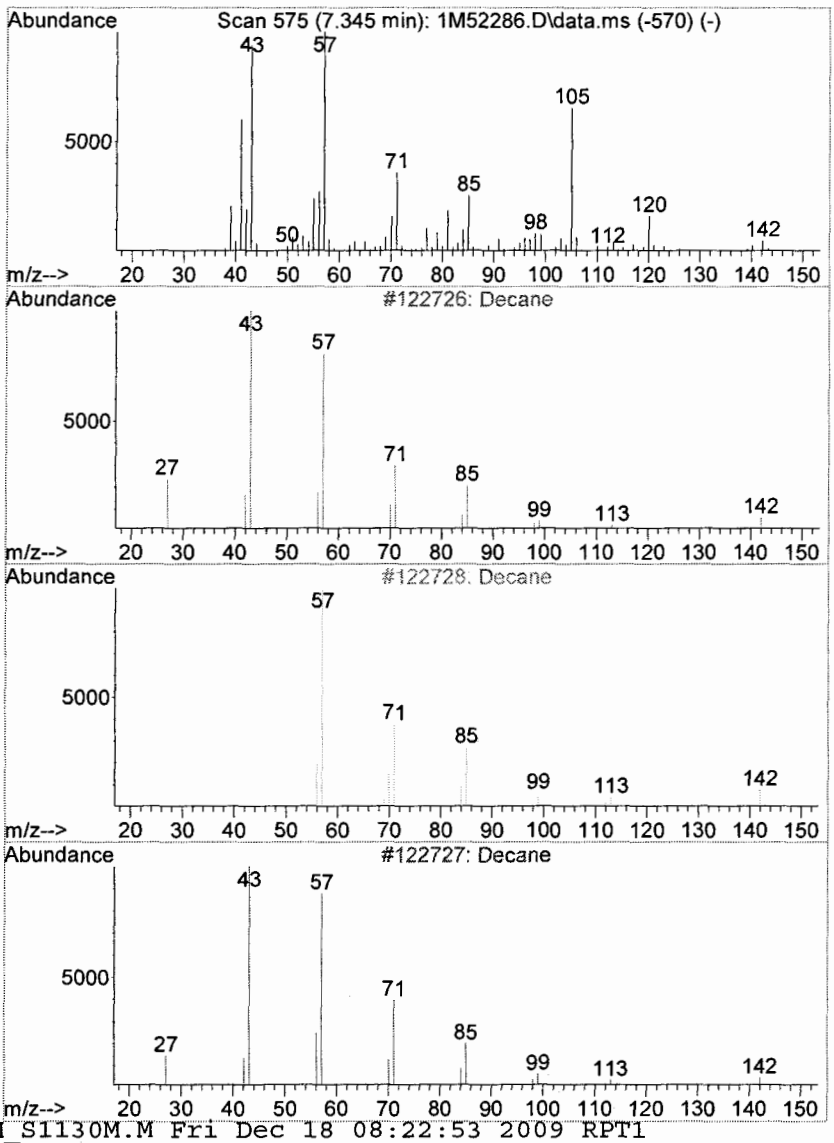
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

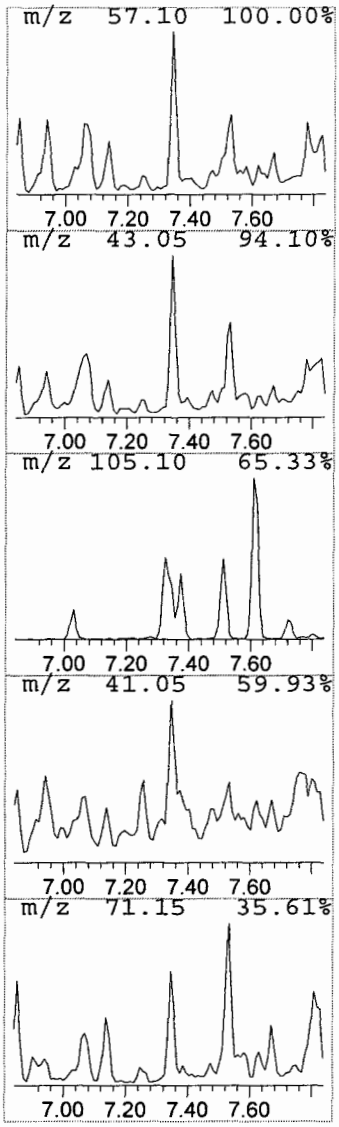
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Decane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	128.12 ug/l	441676	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	46
2	Decane	142	C10H22	000124-18-5	46
3	Decane	142	C10H22	000124-18-5	81
4	Decane	142	C10H22	000124-18-5	50
5	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	53





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52286.D
Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

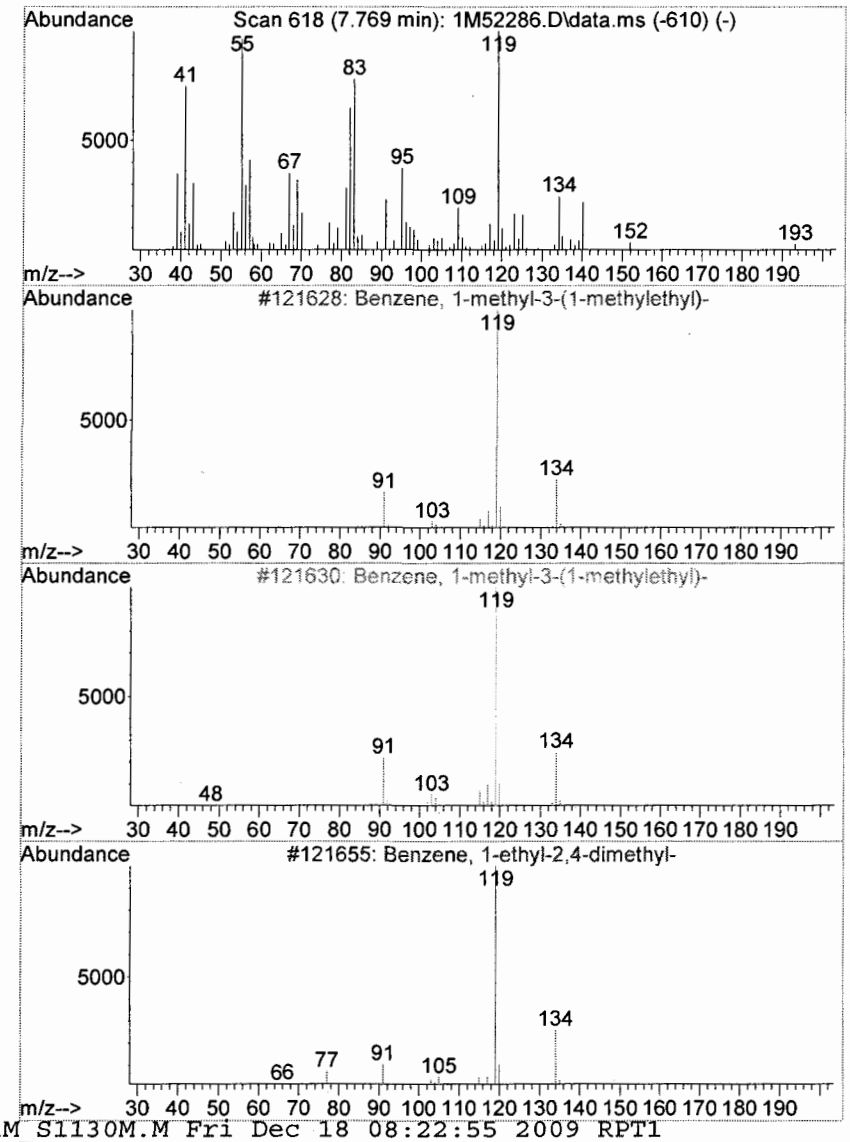
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

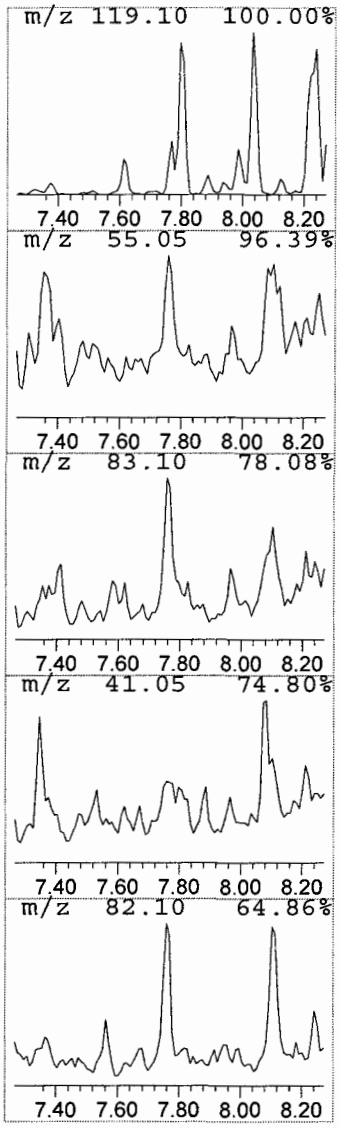
****

Peak Number 2 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	91.88 ug/l	316738	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38
4	Benzene, methyl(1-methylethyl)-	134	C10H14	025155-15-1	30
5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	30





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52286.D
Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

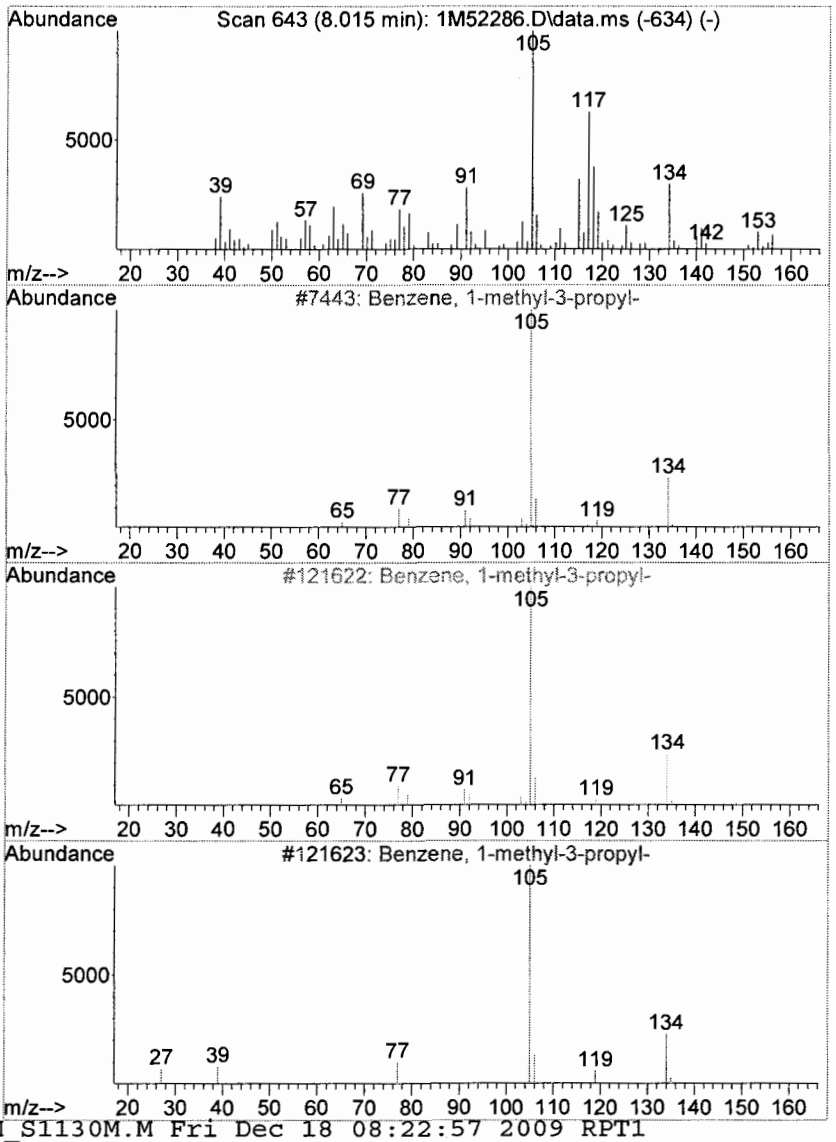
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

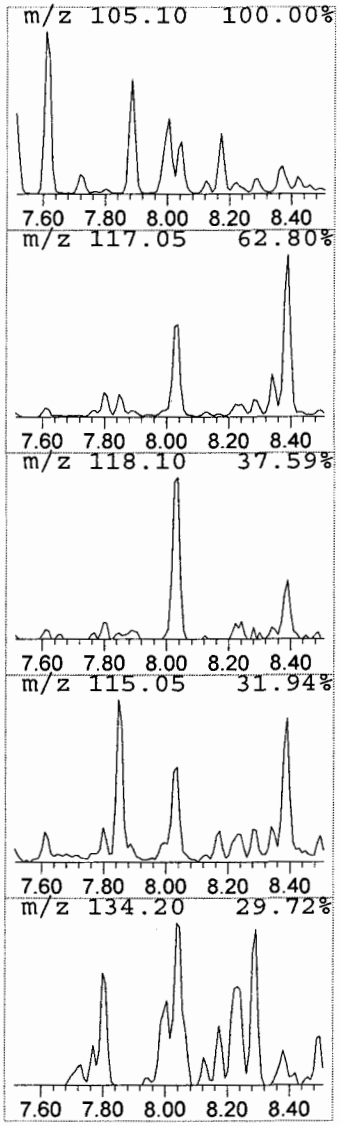
****

Peak Number 3 Benzene, 1-methyl-3-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	95.73 ug/l	330028	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	81
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	68
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	58
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	81
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	68





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Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

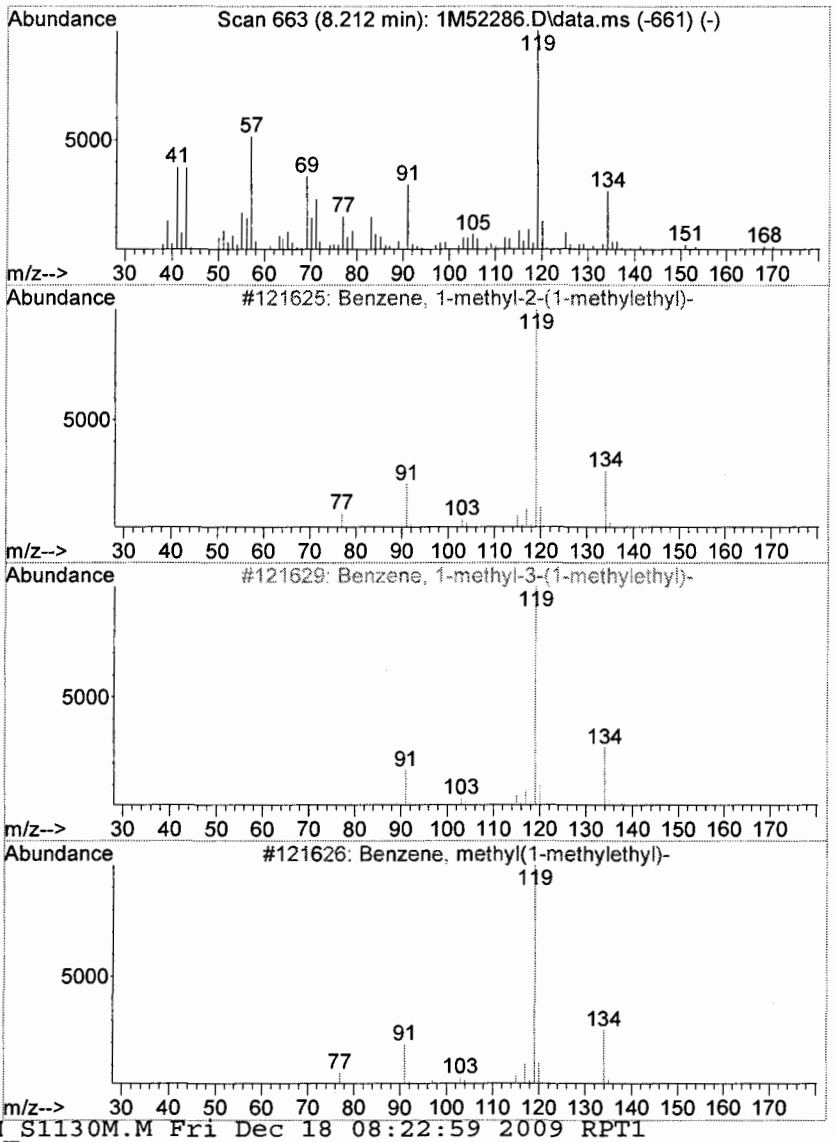
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

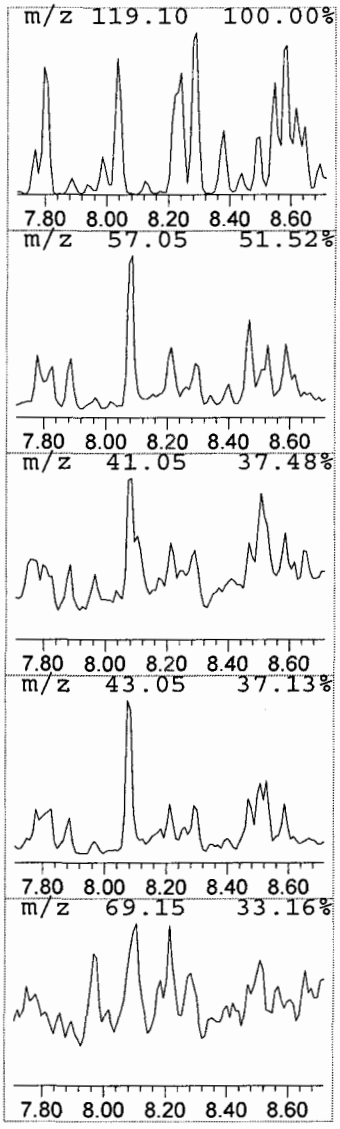
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-methyl-2-(1-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	77.73 ug/l	267972	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	76
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
3	Benzene, methyl(1-methylethyl)-	134	C10H14	025155-15-1	76
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	76





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Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

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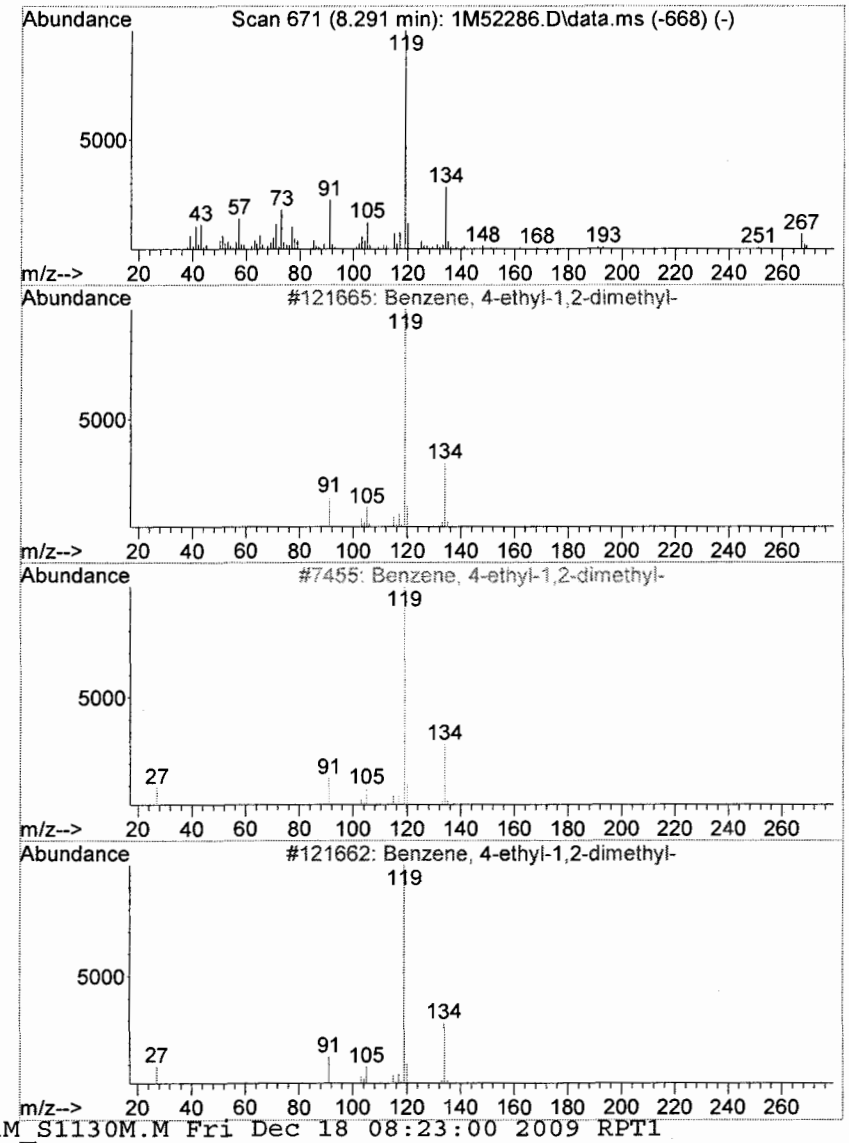
Quant Title : @GCMS_1,ug,624,8260

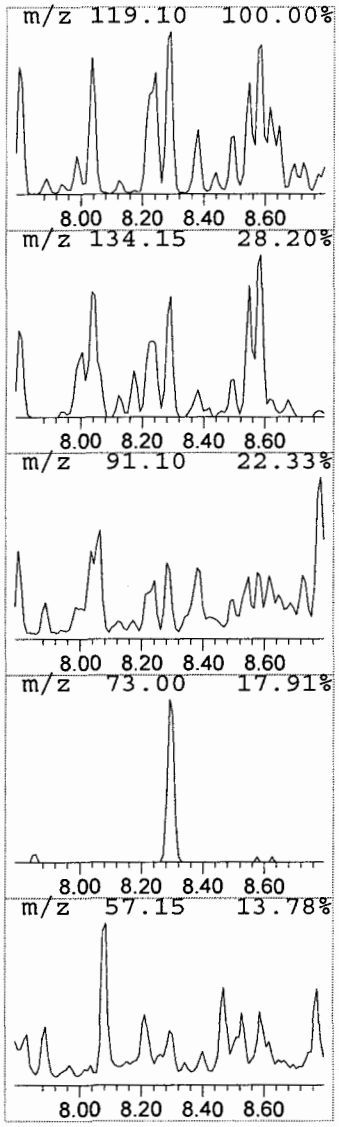
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	100.75 ug/l	347339	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





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Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

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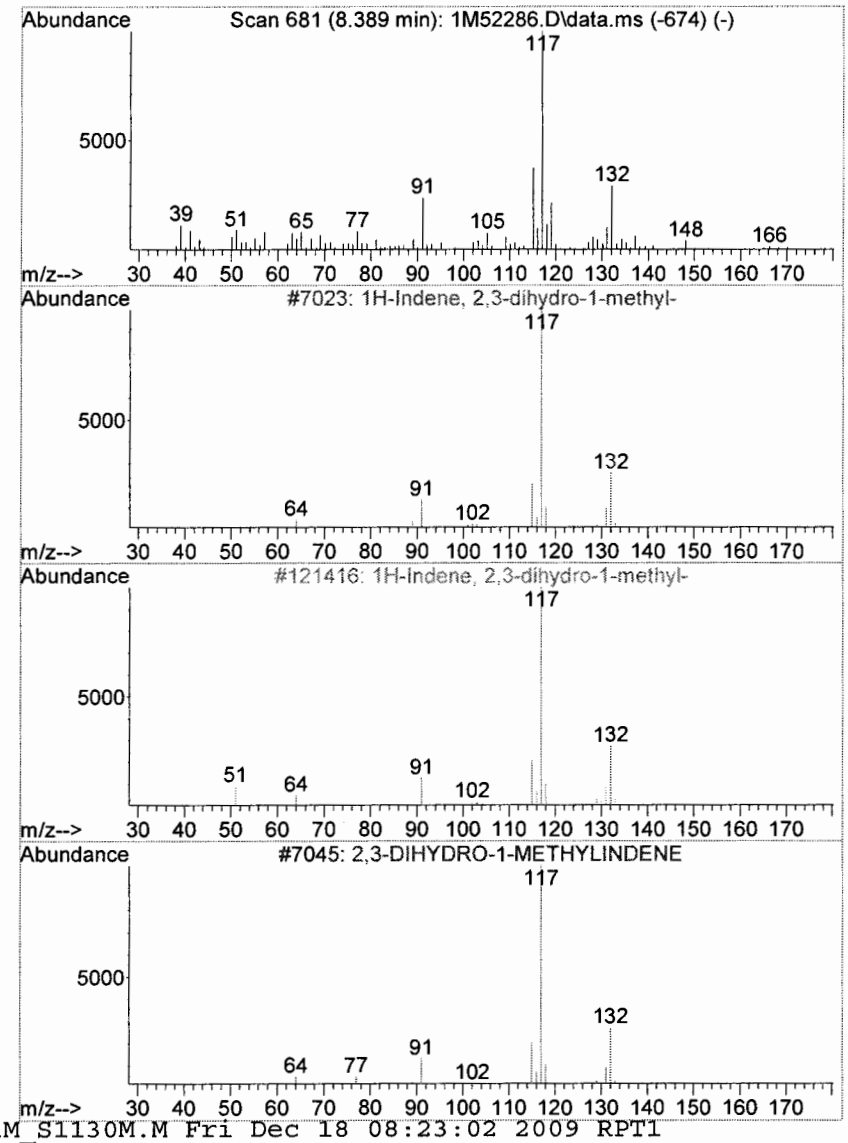
Quant Title : @GCMS_1,ug,624,8260

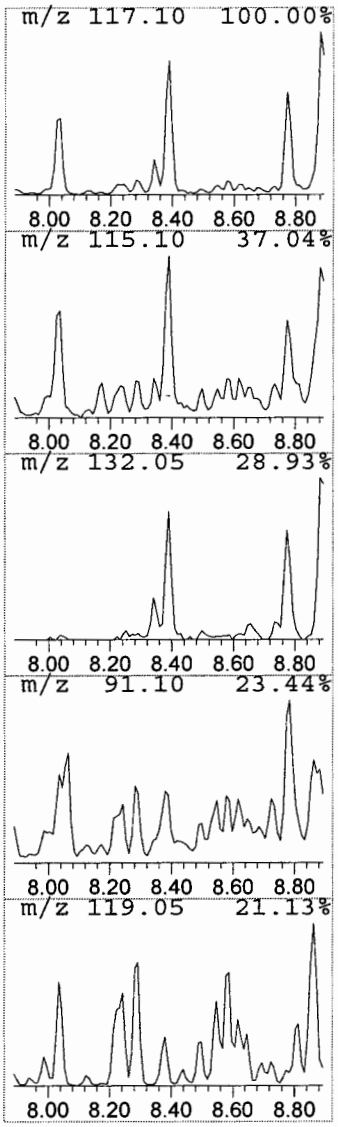
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	168.95 ug/l	582435	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	81
2	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	81
3	2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	81
4	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	72
5	1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	43





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ALS Vial : 20 Sample Multiplier: 1

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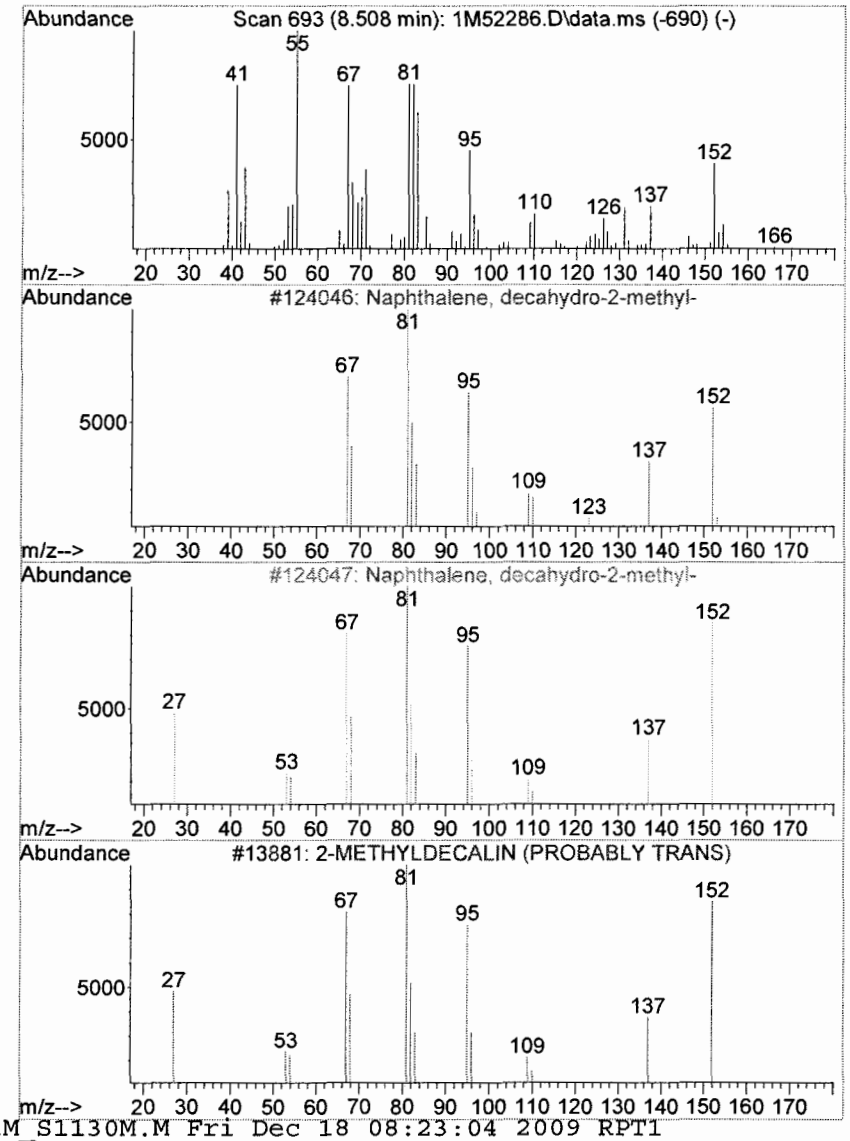
Quant Title : @GCMS_1,ug,624,8260

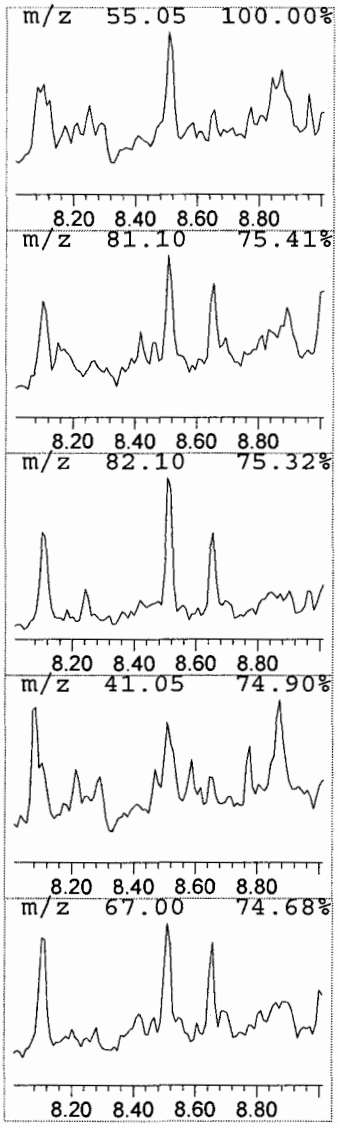
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, decahydro-2-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	88.92 ug/l	306549	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	30
3	2-METHYLDECALIN (PROBABLY TRANS)	152	C11H20	002958-76-1	30
4	9-Octadecyne	250	C18H34	035365-59-4	10
5	10-Undecen-1-ol	170	C11H22O	000112-43-6	53





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ALS Vial : 20 Sample Multiplier: 1

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Quant Title : @GCMS_1,ug,624,8260

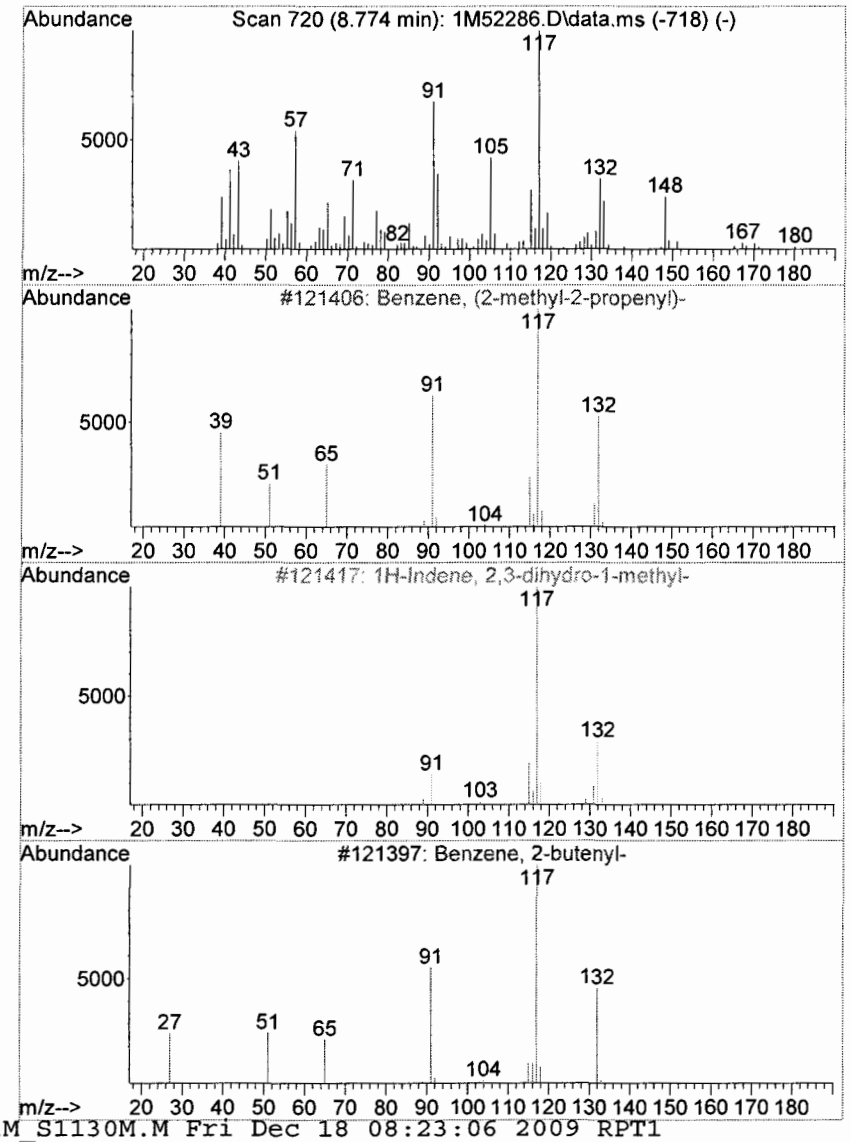
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

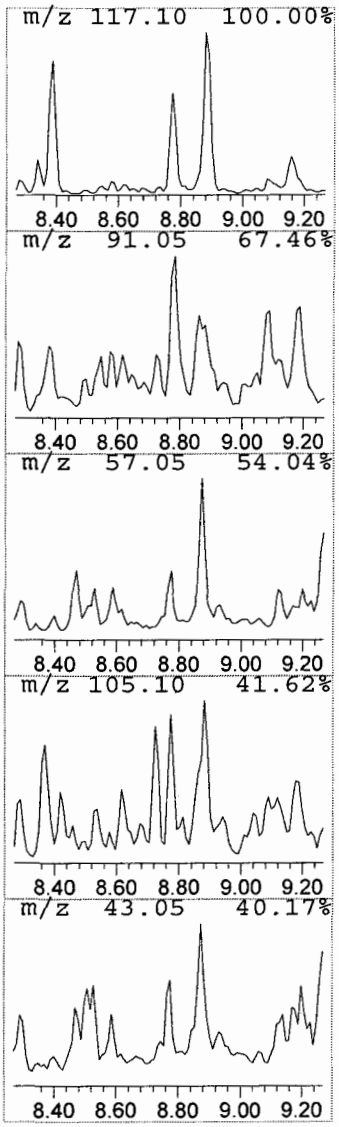
****

Peak Number 8 Benzene, 2-butenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	95.63 ug/l	329667	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	38
2	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	47
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	60
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	41
5	Azulene, 1,2,3,3a-tetrahydro-	132	C10H12	033877-87-1	47





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Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

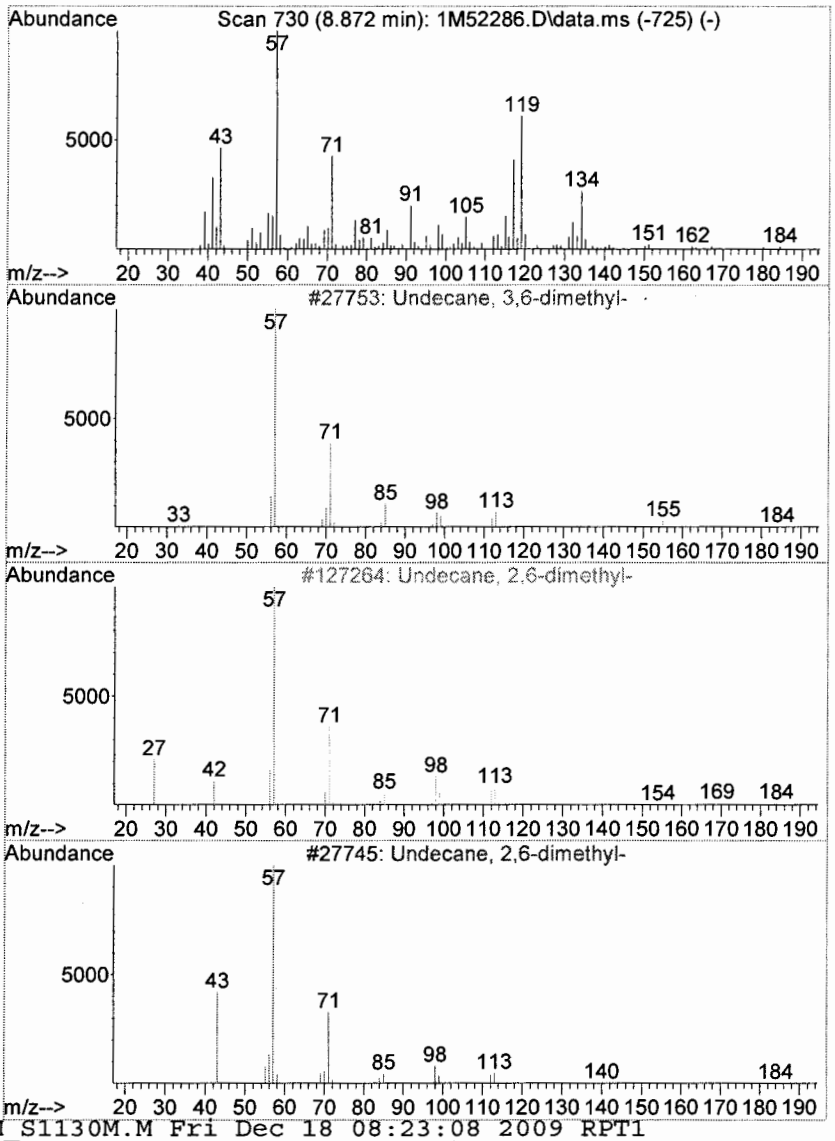
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

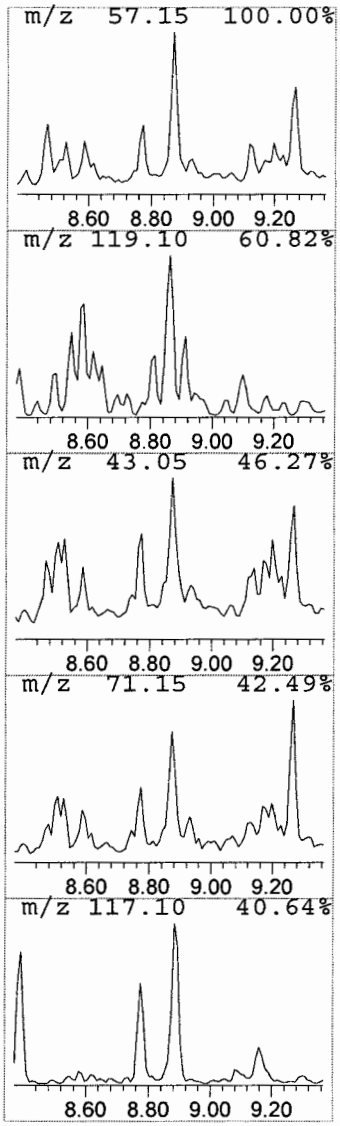
****

Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	239.91 ug/l	827064	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	30
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	25
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	44
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	25





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Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

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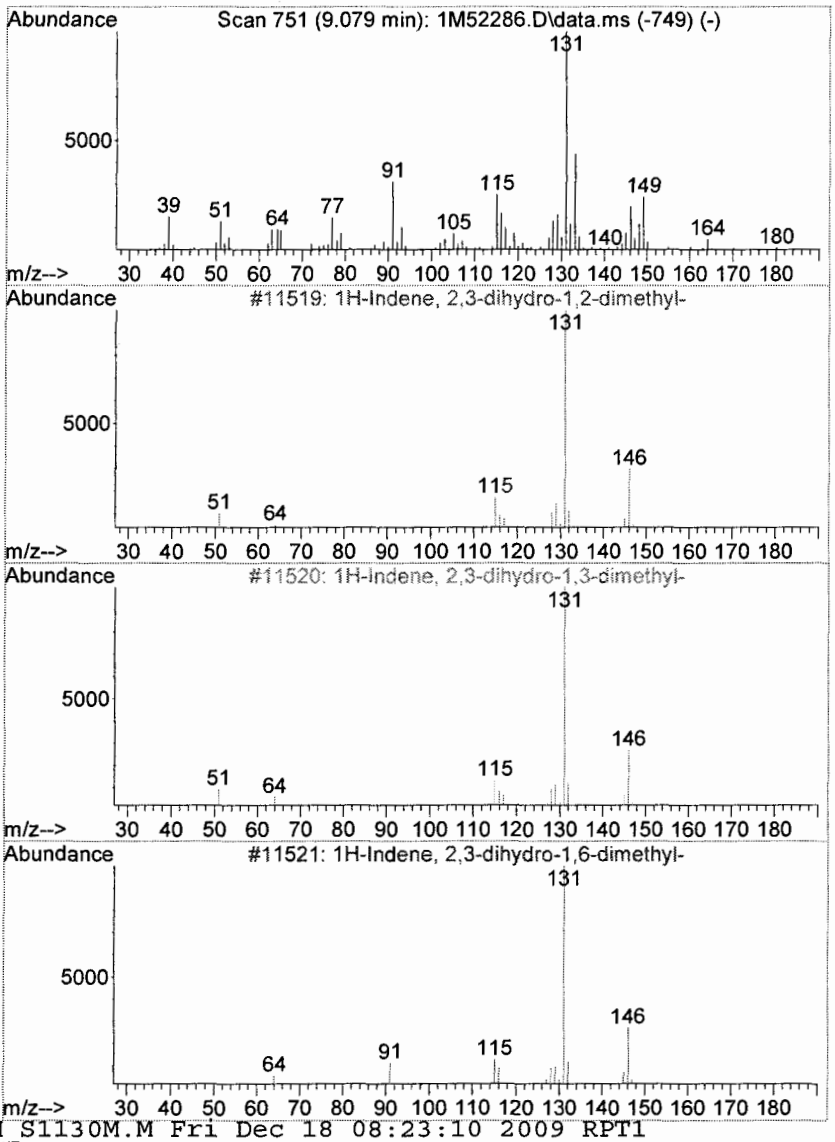
Quant Title : @GCMS_1,ug,624,8260

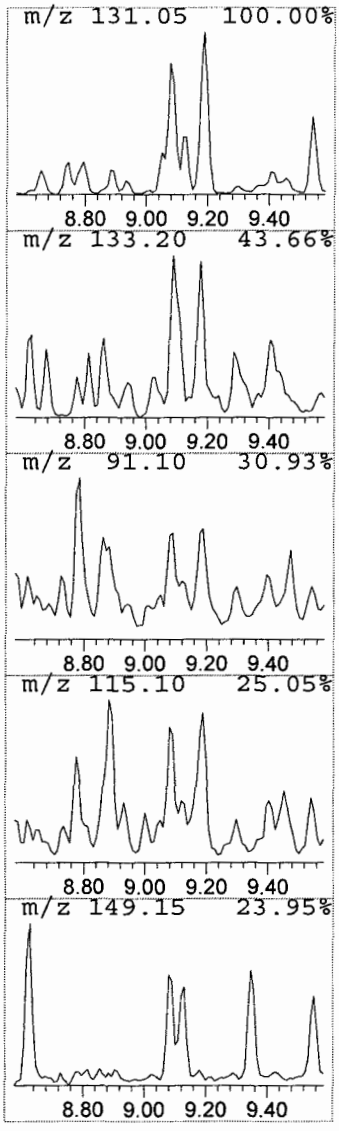
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	75.91 ug/l	261699	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	49
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	27
5	1-([13C]-Methyl)-1,2,3,4-tetrahy...	146	C1013CH14	000000-00-0	47





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ALS Vial : 20 Sample Multiplier: 1

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Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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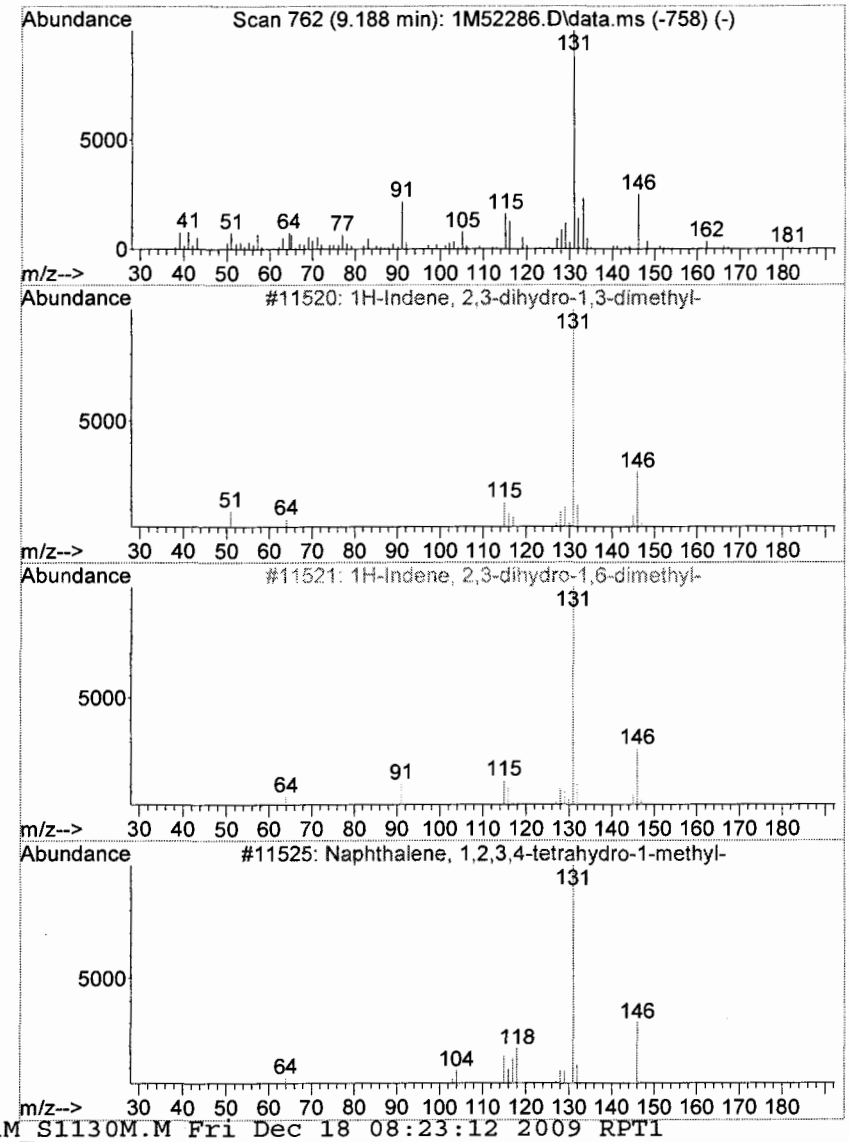
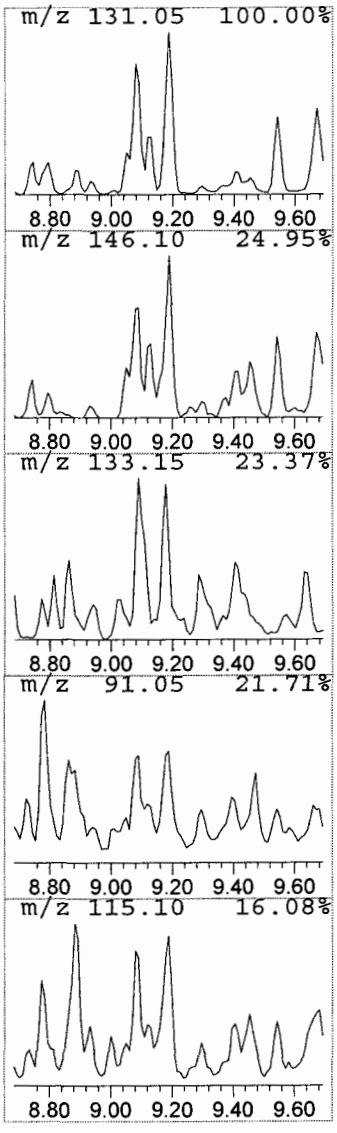
Peak Number 11 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	127.13 ug/l	438276	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	46
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	74





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ALS Vial : 20 Sample Multiplier: 1

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Quant Title : @GCMS_1,ug,624,8260

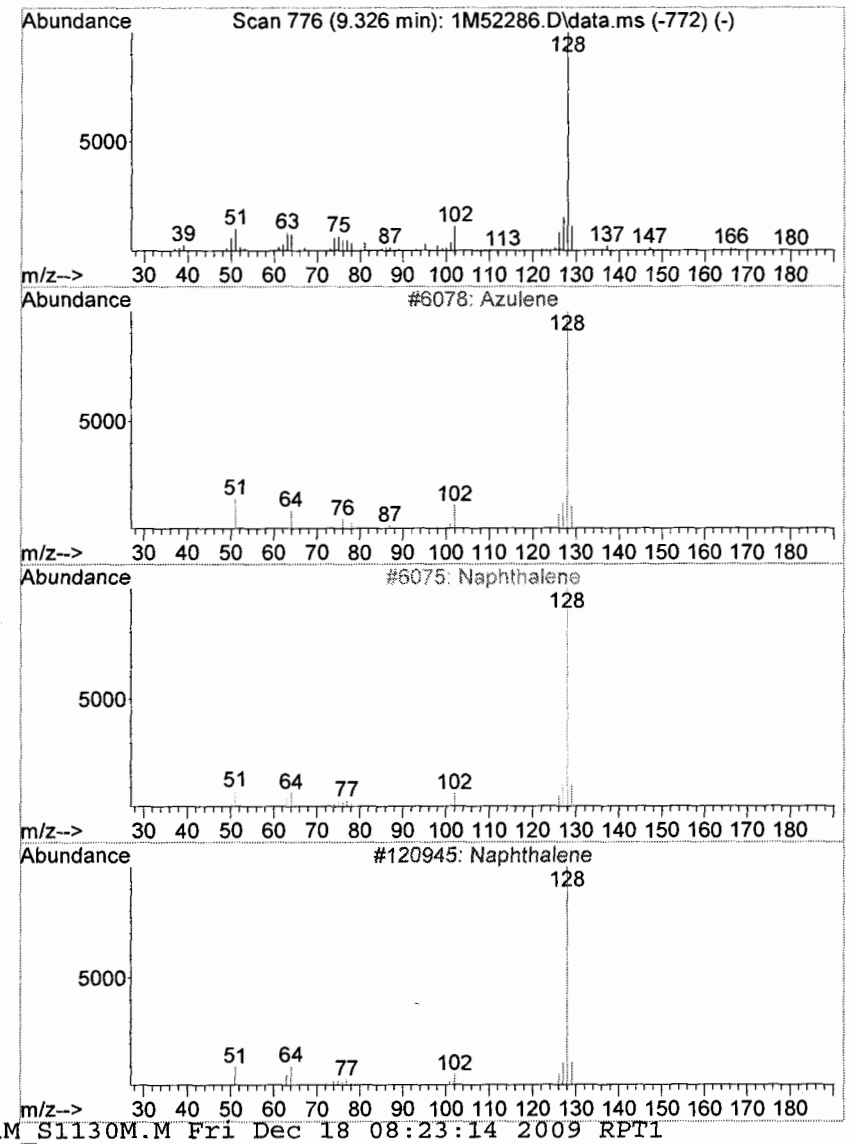
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

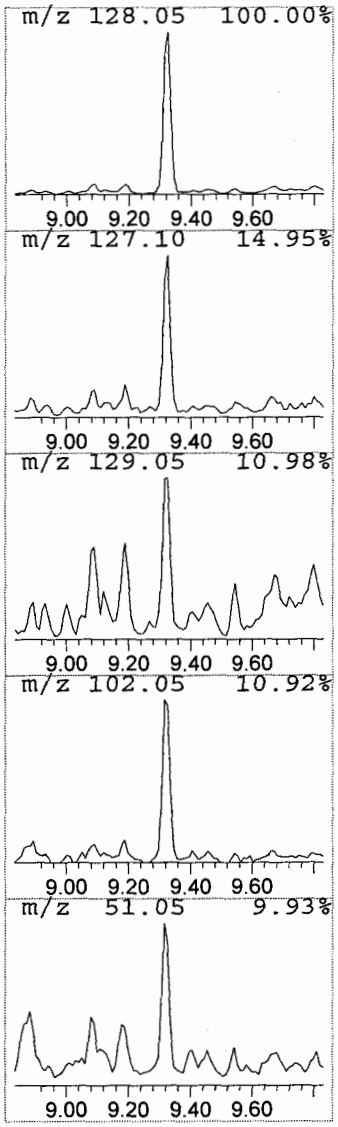
****

Peak Number 12 Naphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	120.45 ug/l	415246	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	83
2	Naphthalene	128	C10H8	000091-20-3	95
3	Naphthalene	128	C10H8	000091-20-3	93
4	Naphthalene	128	C10H8	000091-20-3	91
5	Azulene	128	C10H8	000275-51-4	52





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Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

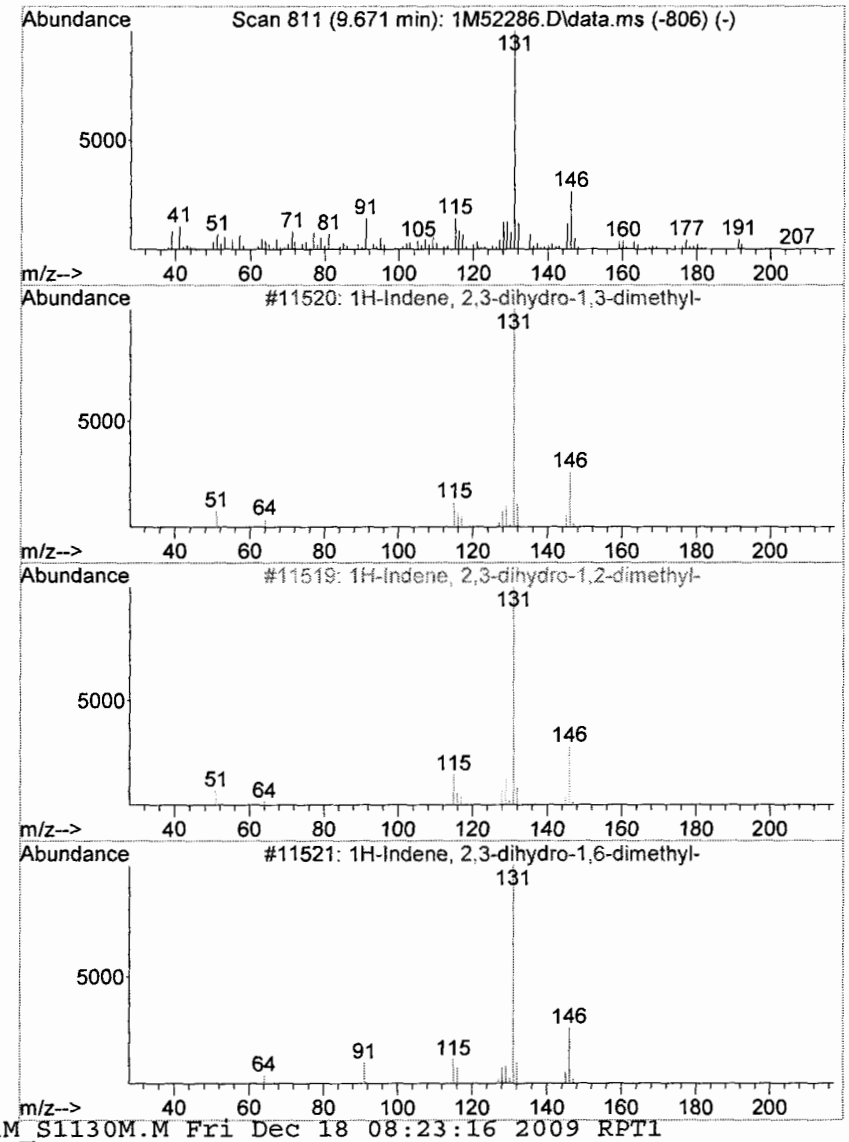
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

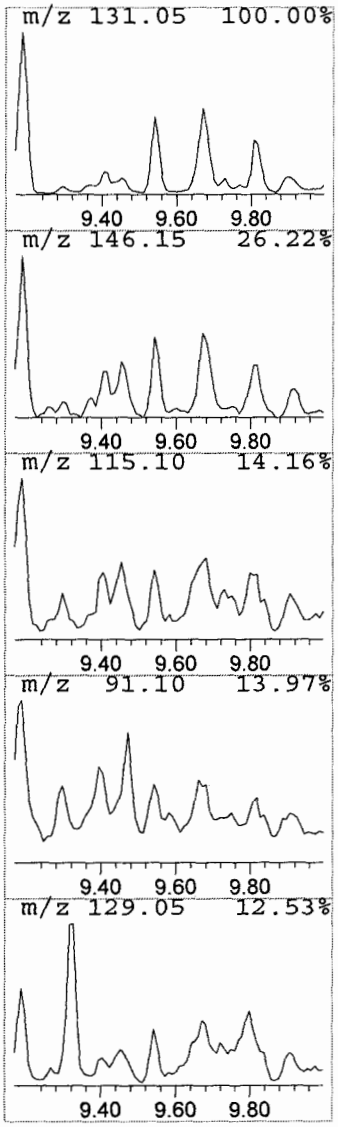
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	94.65 ug/l	326291	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	87





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52286.D
Acq On : 16 Dec 2009 14:18
Operator : DB
Sample : AC48886-001
Misc : S,5G!5
ALS Vial : 20 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	ExpRT	ActRt	Resp	Conc
Decane	7.34	128.1	ug/l	441676	3	7.85	7.85	103422	30.0
unknown	7.77	91.9	ug/l	316738	3	7.85	7.85	103422	30.0
Benzene, 1-methyl...	8.01	95.7	ug/l	330028	3	7.85	7.85	103422	30.0
Benzene, 1-methyl...	8.21	77.7	ug/l	267972	3	7.85	7.85	103422	30.0
Benzene, 4-ethyl-...	8.29	100.8	ug/l	347339	3	7.85	7.85	103422	30.0
1H-Indene, 2,3-di...	8.39	168.9	ug/l	582435	3	7.85	7.85	103422	30.0
Naphthalene, deca...	8.51	88.9	ug/l	306549	3	7.85	7.85	103422	30.0
Benzene, 2-butenyl-	8.77	95.6	ug/l	329667	3	7.85	7.85	103422	30.0
Undecane, 2,6-dim...	8.87	239.9	ug/l	827064	3	7.85	7.85	103422	30.0
1H-Indene, 2,3-di...	9.08	75.9	ug/l	261699	3	7.85	7.85	103422	30.0
1H-Indene, 2,3-di...	9.19	127.1	ug/l	438276	3	7.85	7.85	103422	30.0
Naphthalene	9.33	120.5	ug/l	415246	3	7.85	7.85	103422	30.0
1H-Indene, 2,3-di...	9.67	94.6	ug/l	326291	3	7.85	7.85	103422	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC48886-002
Client Id: PI-01-TP-RAN1-121109SS
Data File: 1M52285.D
Analysis Date: 12/16/09 14:02
Date Rec/Extracted: 12/14/09-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 4.93g
Final Vol: NA
Dilution: 1.01
Solids: 54

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0094	U	56-23-5	Carbon Tetrachloride	0.0094	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0094	U	108-90-7	Chlorobenzene	0.0094	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0094	U	75-00-3	Chloroethane	0.0094	U
79-00-5	1,1,2-Trichloroethane	0.0094	U	67-66-3	Chloroform	0.0094	U
75-34-3	1,1-Dichloroethane	0.0094	U	74-87-3	Chloromethane	0.0094	U
75-35-4	1,1-Dichloroethene	0.0094	U	156-59-2	cis-1,2-Dichloroethene	0.0094	U
96-18-4	1,2,3-Trichloropropane	0.0094	U	10061-01-5	cis-1,3-Dichloropropene	0.0094	U
95-63-6	**1,2,4-Trimethylbenzene**	**0.0019**	**0.014**	124-48-1	Dibromochloromethane	0.0094	U
95-50-1	1,2-Dichlorobenzene	0.0094	U	75-71-8	Dichlorodifluoromethane	0.0094	U
107-06-2	1,2-Dichloroethane	0.0094	U	**100-41-4**	**Ethylbenzene**	**0.0019**	**0.0020**
78-87-5	1,2-Dichloropropane	0.0094	U	**98-82-8**	**Isopropylbenzene**	**0.0019**	**0.021**
108-67-8	**1,3,5-Trimethylbenzene**	**0.0019**	**0.0035**	**136777612**	**m&p-Xylenes**	**0.0019**	**0.013**
541-73-1	1,3-Dichlorobenzene	0.0094	U	75-09-2	Methylene Chloride	0.0094	U
142-28-9	1,3-Dichloropropane	0.0094	U	1634-04-4	Methyl-t-butyl ether	0.0019	U
106-46-7	1,4-Dichlorobenzene	0.0094	U	**104-51-8**	**n-Butylbenzene**	**0.0019**	**0.013**
123-91-1	1,4-Dioxane	0.47	U	**103-65-1**	**n-Propylbenzene**	**0.0019**	**0.023**
78-93-3	2-Butanone	0.0094	U	**95-47-6**	**o-Xylene**	**0.0019**	**0.029**
110-75-8	2-Chloroethylvinylether	0.0094	U	**135-98-8**	**sec-Butylbenzene**	**0.0019**	**0.011**
591-78-6	2-Hexanone	0.0094	U	100-42-5	Styrene	0.0094	U
99-87-6	**4-Isopropyltoluene**	**0.0019**	**0.0081**	75-65-0	t-Butyl Alcohol	0.047	U
108-10-1	4-Methyl-2-Pentanone	0.0094	U	98-06-6	t-Butylbenzene	0.0019	U
67-64-1	**Acetone**	**0.047**	**0.16**	127-18-4	Tetrachloroethene	0.0094	U
107-02-8	Acrolein	0.047	U	**108-88-3**	**Toluene**	**0.0019**	**0.0044**
107-13-1	Acrylonitrile	0.0094	U	156-60-5	trans-1,2-Dichloroethene	0.0094	U
71-43-2	**Benzene**	**0.0019**	**0.0037**	10061-02-6	trans-1,3-Dichloropropene	0.0094	U
75-27-4	Bromodichloromethane	0.0094	U	79-01-6	Trichloroethene	0.0094	U
75-25-2	Bromoform	0.0094	U	75-69-4	Trichlorofluoromethane	0.0094	U
74-83-9	Bromomethane	0.0094	U	75-01-4	Vinyl Chloride	0.0094	U
75-15-0	**Carbon Disulfide**	**0.0094**	**0.018**	**1330-20-7**	**Xylenes (Total)**	**0.0019**	**0.042**

Worksheet #: I38336

Total Target Concentration 0.32

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC48886-002
Client Id: PI-01-TP-RAN1-121109
Data File: 1M52285.D
Analysis Date: 12/16/09 14:02
Date Rec/Extracted: 12/14/09-NA

Matrix: Soil
Initial Vol: 4.93g
Final Vol: NA
Dilution: 1.01
Solids: 54
Method: EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	620-14-4	Benzene, 1-ethyl-3-methyl-	7.35	0.32 J
2	622-96-8	Benzene, 1-ethyl-4-methyl-	7.51	0.27 J
3	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.28	0.40 J
4	767-58-8	1H-Indene, 2,3-dihydro-1-methyl-	8.39	0.56 J
5	3290-53-7	Benzene, (2-methyl-2-propenyl)-	8.77	0.26 J
6		unknown	8.87	1.0 J
7	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.08	0.36 J
8	4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	9.19	0.56 J
9		unknown	9.41	0.29 J
10	17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	9.67	0.26 J

Worksheet #: 138336

Total Tentatively Identified Concentration 4.3

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Quantitation Report (QT/LSC Reviewed)

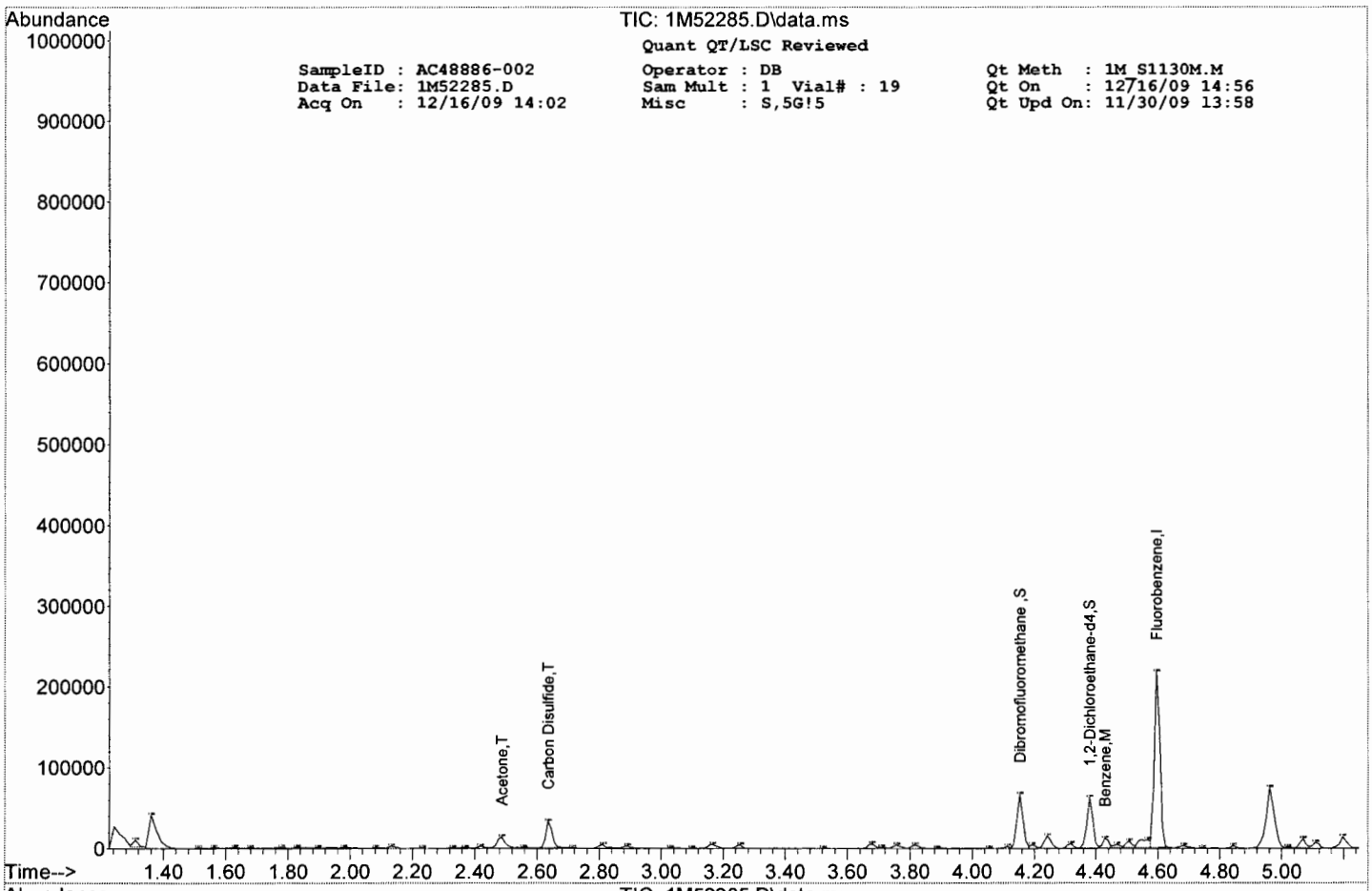
SampleID : AC48886-002 Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52285.D Sam Mult : 1 Vial# : 19 Qt On : 12/16/09 14:56
Acq On : 12/16/09 14:02 Misc : S,5G!5 Qt Upd On: 11/30/09 13:58

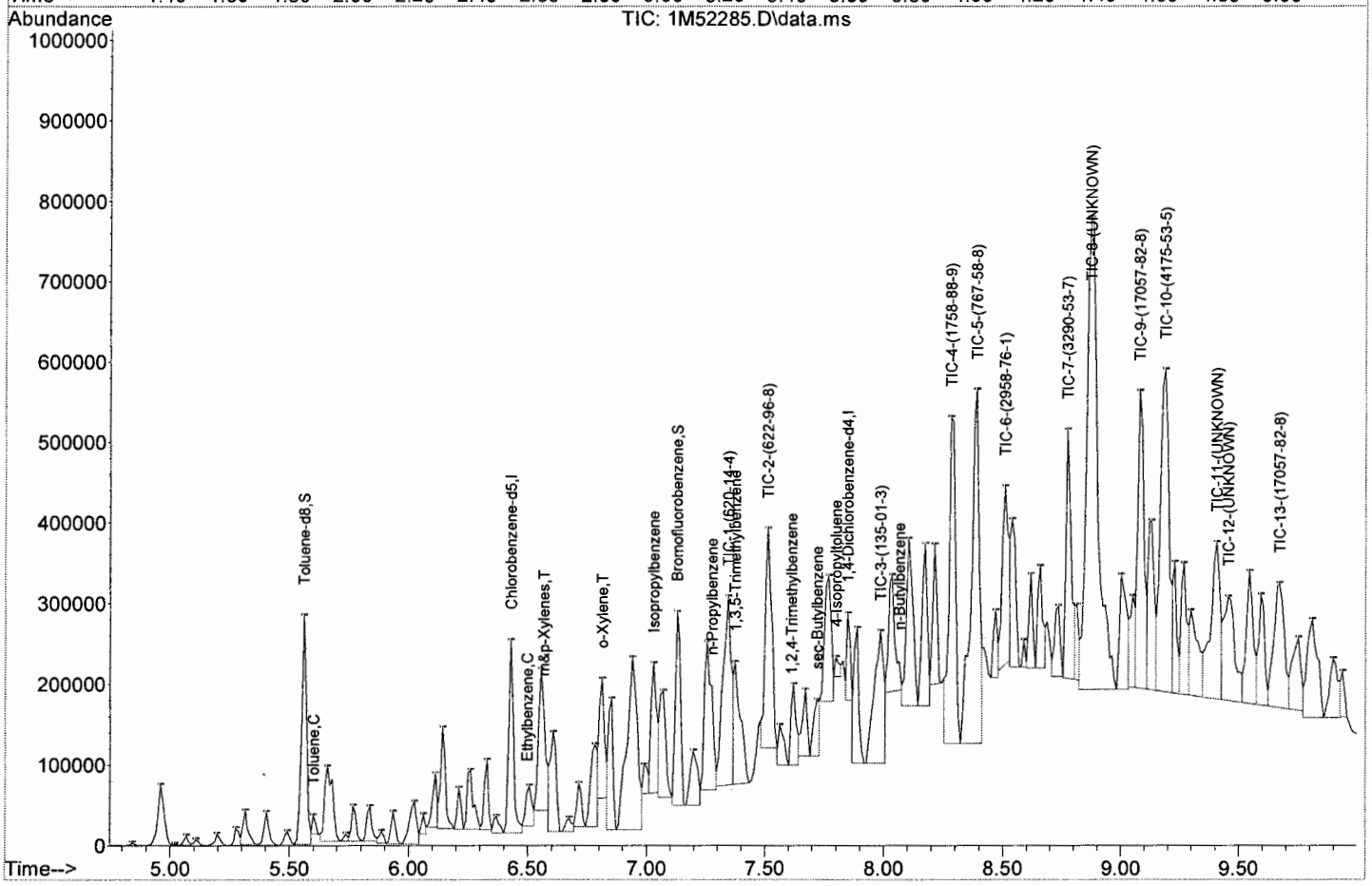
Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

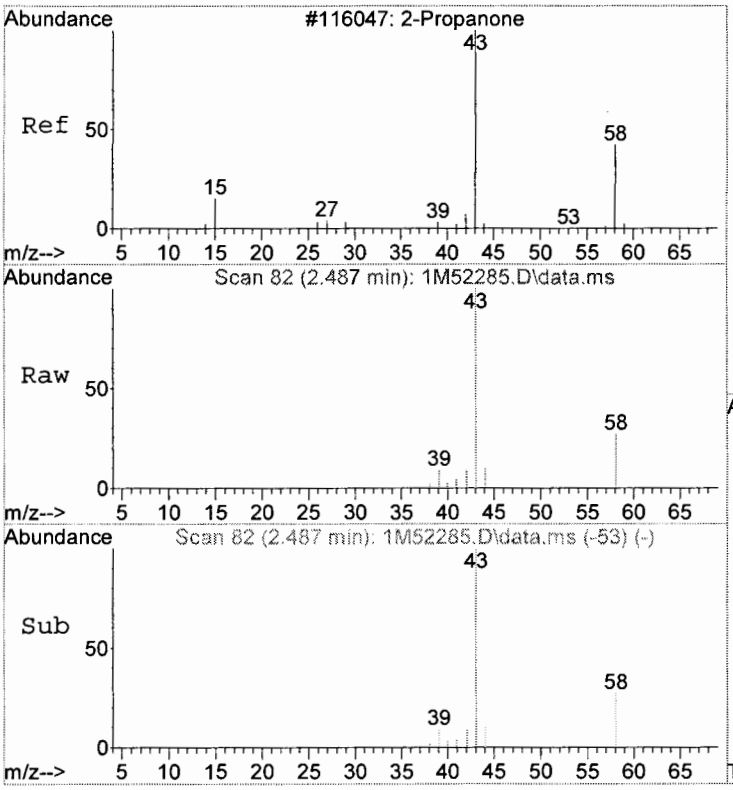
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.596	96	95153	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.429	117	80958	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.848	152	40899	30.00	ug/l	-0.03
System Monitoring Compounds						
30) Dibromofluoromethane	4.152	111	26865	31.51	ug/l	-0.02
Spiked Amount 30.000			Recovery = 105.03%			
32) 1,2-Dichloroethane-d4	4.379	102	4495	27.75	ug/l	-0.02
Spiked Amount 30.000			Recovery = 92.50%			
56) Toluene-d8	5.562	100	69330	28.99	ug/l	-0.02
Spiked Amount 30.000			Recovery = 96.63%			
64) Bromofluorobenzene	7.129	174	35179	30.47	ug/l	-0.02
Spiked Amount 30.000			Recovery = 101.57%			
Target Compounds						Qvalue
14) Acetone	2.487	43	18446	84.66	ug/l	95
15) Carbon Disulfide	2.634	76	35450	9.44	ug/l	100
43) Benzene	4.428	78	6782	1.95	ug/l	100
57) Toluene	5.601	92	8369	2.34	ug/l	89
62) Ethylbenzene	6.498	106	1315	1.07	ug/l	68
66) m&p-Xylenes	6.567	106	14442	7.12	ug/l	95
67) o-Xylene	6.813	106	30031	15.67	ug/l	81
72) Isopropylbenzene	7.030	105	56017	10.94	ug/l	92
78) n-Propylbenzene	7.277	91	78243	12.12	ug/l	96
80) 1,3,5-Trimethylbenzene	7.375	105	7006m	1.88	ug/l	
82) 1,2,4-Trimethylbenzene	7.612	105	33687	7.62	ug/l	83
83) sec-Butylbenzene	7.720	105	30929	5.75	ug/l	94
84) 4-Isopropyltoluene	7.799	119	18363	4.32	ug/l	88
85) n-Butylbenzene	8.065	91	38507m	6.90	ug/l	
Library Search Compounds						
1) 620-14-4	7.350		594919	169.17	ug/l	76
2) 622-96-8	7.510		511124	145.34	ug/l	74
3) 135-01-3	7.990		475203	135.13	ug/l	45
4) 1758-88-9	8.280		752929	214.10	ug/l	81
5) 767-58-8	8.390		1055320	300.09	ug/l	90
6) 2958-76-1	8.510		444816	126.49	ug/l	55
7) 3290-53-7	8.770		493124	140.22	ug/l	90
8) UNKNOWN	8.870		1953970	555.63	ug/l	--
9) 17057-82-8	9.080		680180	193.42	ug/l	83
10) 4175-53-5	9.190		1045130	297.19	ug/l	90
11) UNKNOWN	9.410		541056	153.85	ug/l	--
12) UNKNOWN	9.450		424606	120.74	ug/l	--
13) 17057-82-8	9.670		488465	138.90	ug/l	72

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

Ice


Abundance
TIC: 1M52285.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC48886-002
Data File: 1M52285.D
Acq On : 12/16/09 14:02
Operator : DB
Sam Mult : 1 Vial# : 19
Misc : S,5G!5
Qt Meth : 1M_S1130M.M
Qt On : 12/16/09 14:56
Qt Upd On: 11/30/09 13:58
Acetone,T
Carbon Disulfide,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Time-->

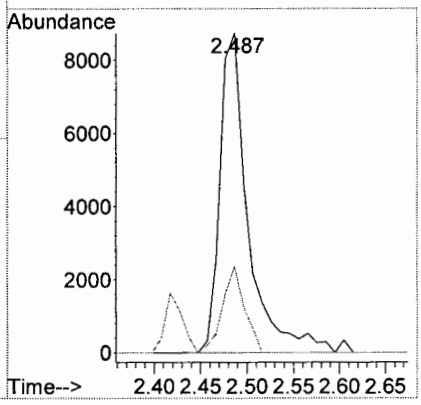

Abundance
TIC: 1M52285.D\data.ms
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
TIC-1-(620-14-4)
TIC-2-(622-96-8)
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
TIC-3-(135-01-3)
n-Butylbenzene
TIC-4-(1758-88-9)
TIC-5-(767-58-8)
TIC-6-(2958-76-1)
TIC-7-(3290-53-7)
TIC-8-(UNKNOWN)
TIC-9-(17057-82-8)
TIC-10-(4175-53-5)
TIC-11-(UNKNOWN)
TIC-12-(UNKNOWN)
TIC-13-(17057-82-8)
Time-->

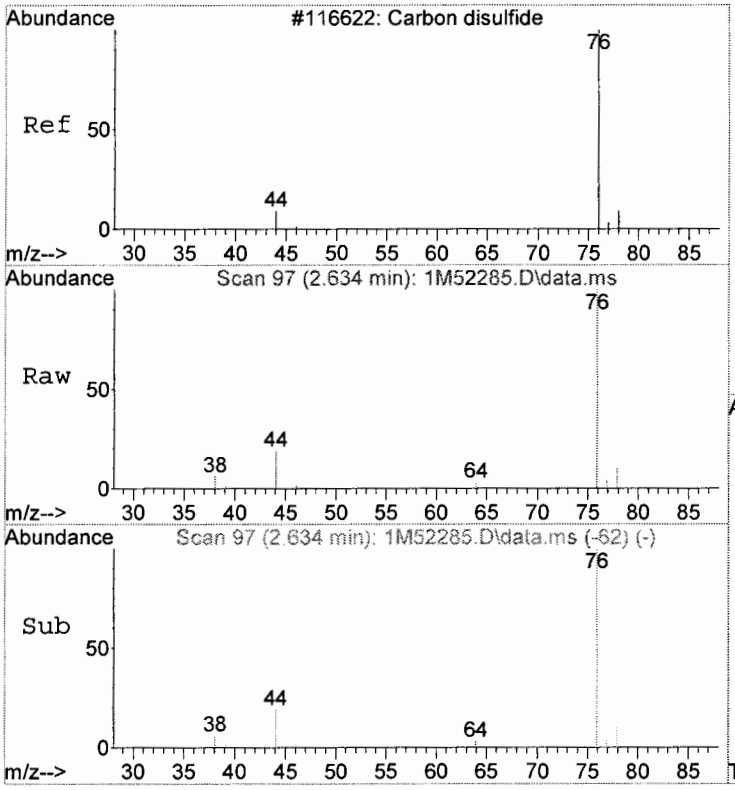


#14
Acetone
Concen: 84.66 ug/l
RT: 2.487 min Scan# 82
Delta R.T. -0.009 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion: 43 Resp: 18446

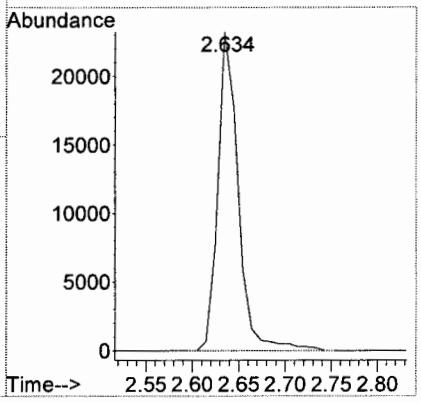
Ion	Ratio	Lower	Upper
43	100		
58	27.1	0.0	64.8

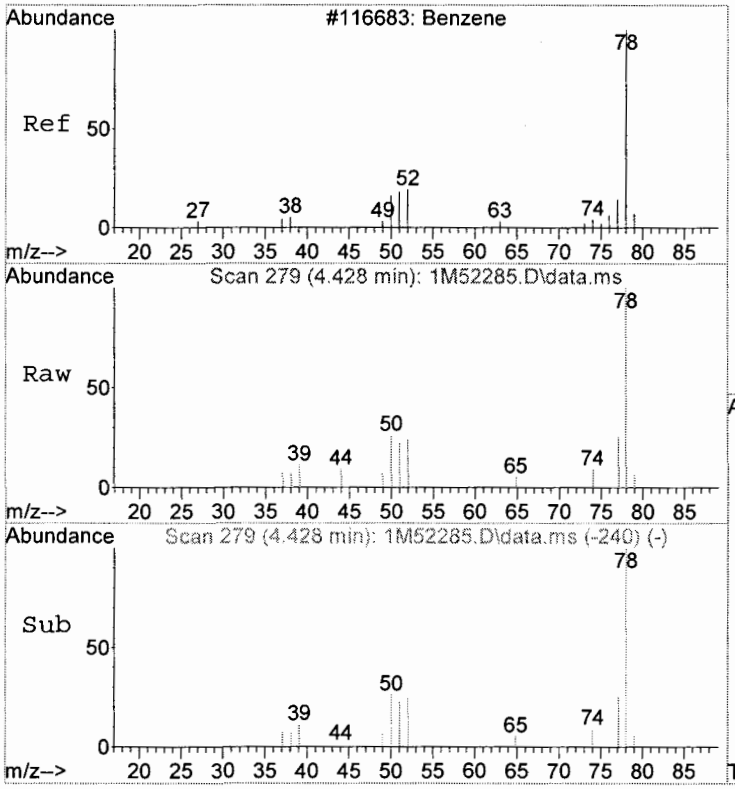




#15
Carbon Disulfide
Concen: 9.44 ug/l
RT: 2.634 min Scan# 97
Delta R.T. -0.019 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

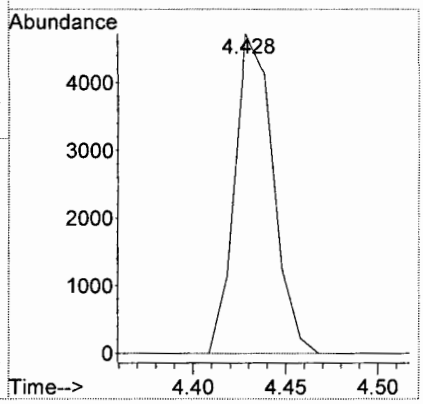
Tgt Ion: 76 Resp: 35450

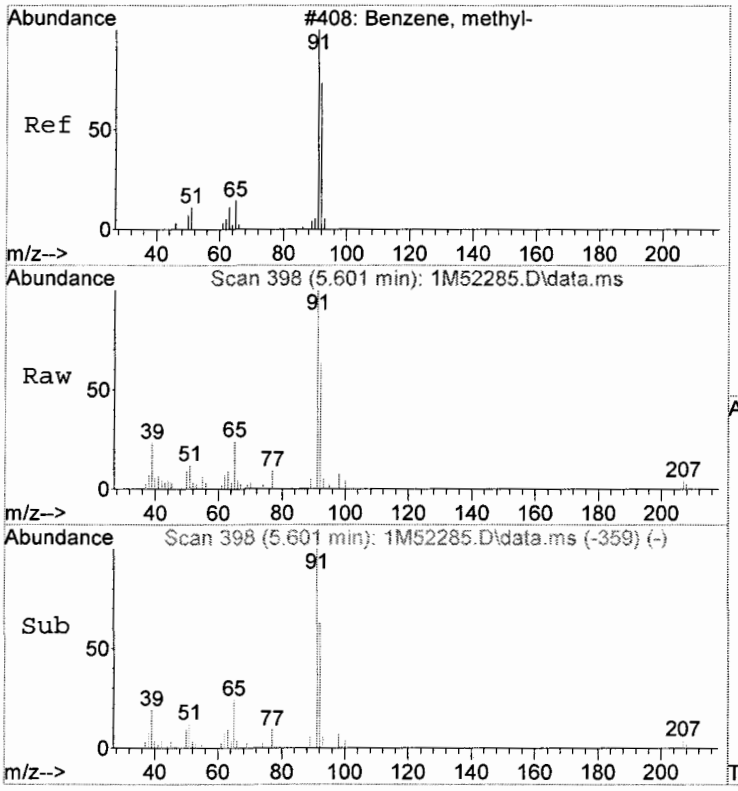




#43
Benzene
Concen: 1.95 ug/l
RT: 4.428 min Scan# 279
Delta R.T. -0.019 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion: 78 Resp: 6782

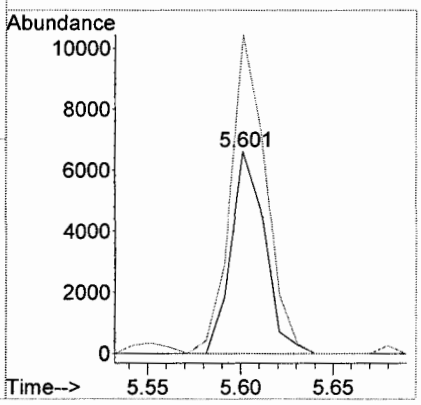


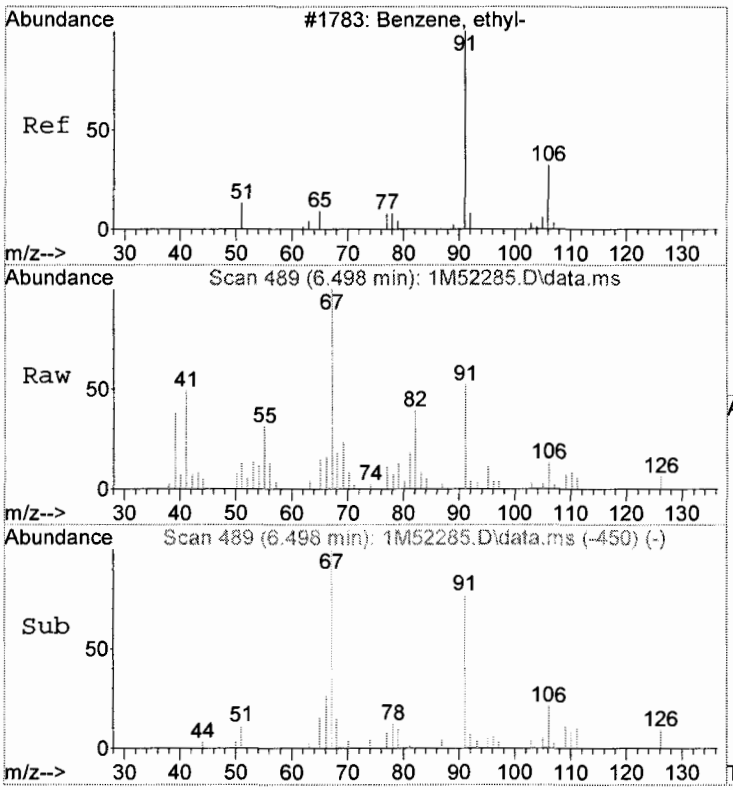


#57
Toluene
Concen: 2.34 ug/l
RT: 5.601 min Scan# 398
Delta R.T. -0.018 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion: 92 Resp: 8369

Ion	Ratio	Lower	Upper
92	100		
91	157.7	104.1	242.9

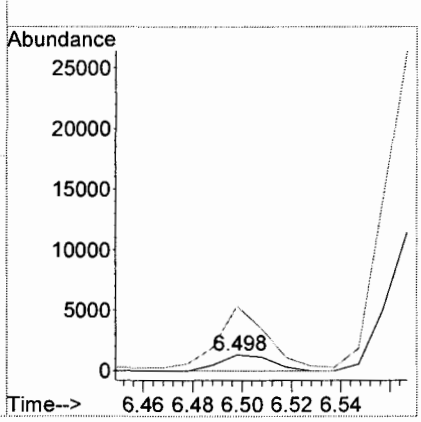


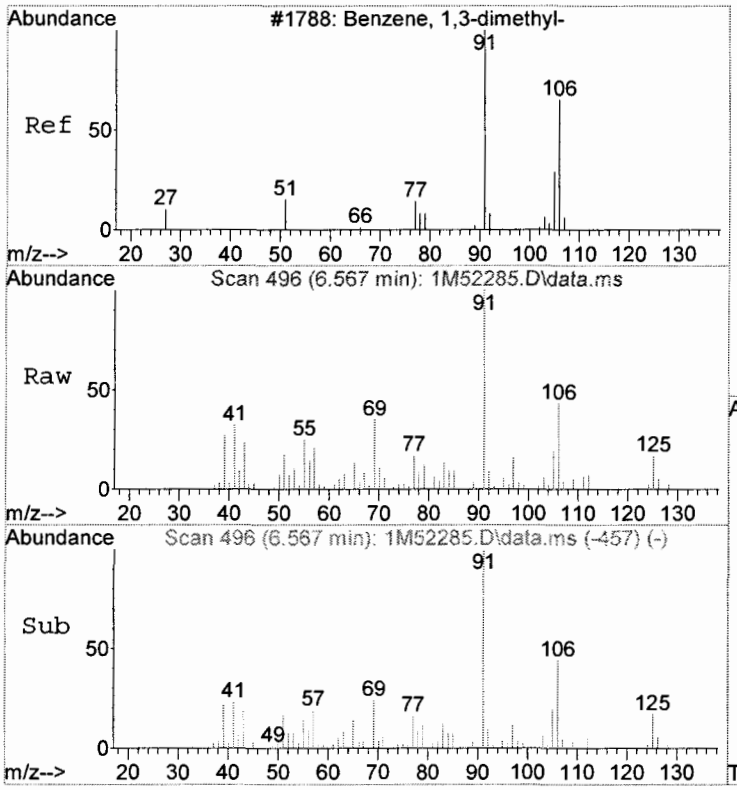


#62
Ethylbenzene
Concen: 1.07 ug/l
RT: 6.498 min Scan# 489
Delta R.T. -0.019 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion:106 Resp: 1315

Ion	Ratio	Lower	Upper
106	100		
91	384.9	191.5	446.7

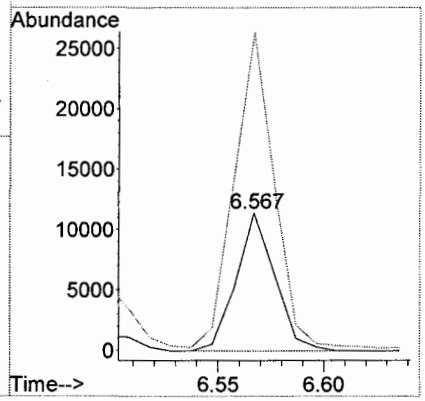


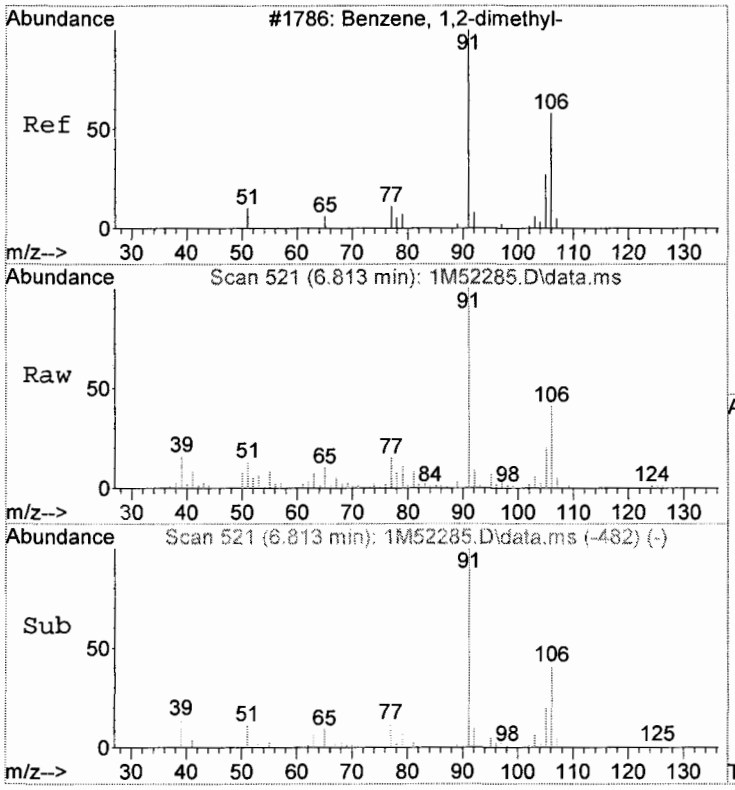


#66
m&p-Xylenes
Concen: 7.12 ug/l
RT: 6.567 min Scan# 496
Delta R.T. -0.019 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion:106 Resp: 14442

Ion	Ratio	Lower	Upper
106	100		
91	228.7	132.0	308.0

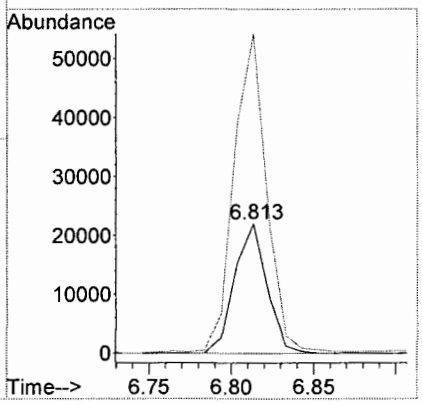


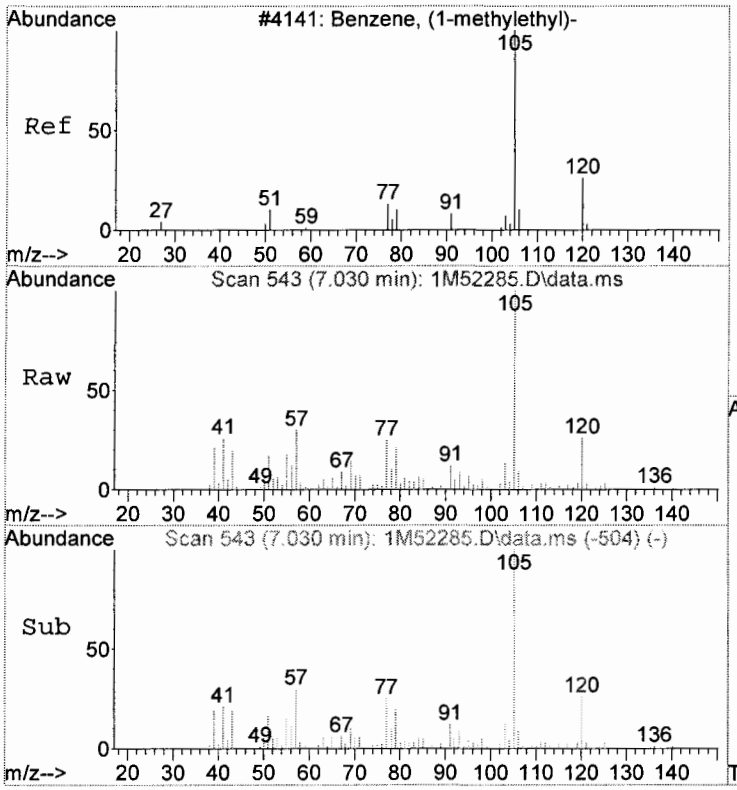


#67
o-Xylene
Concen: 15.67 ug/l
RT: 6.813 min Scan# 521
Delta R.T. -0.019 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion:106 Resp: 30031

Ion	Ratio	Lower	Upper
106	100		
91	244.8	129.1	301.1

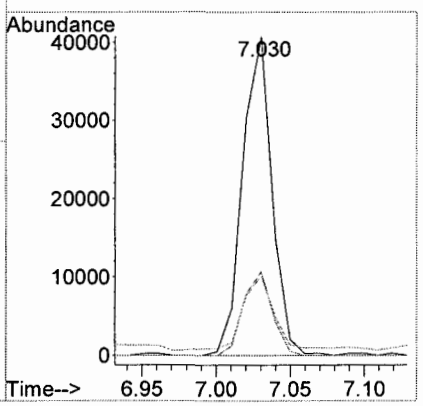


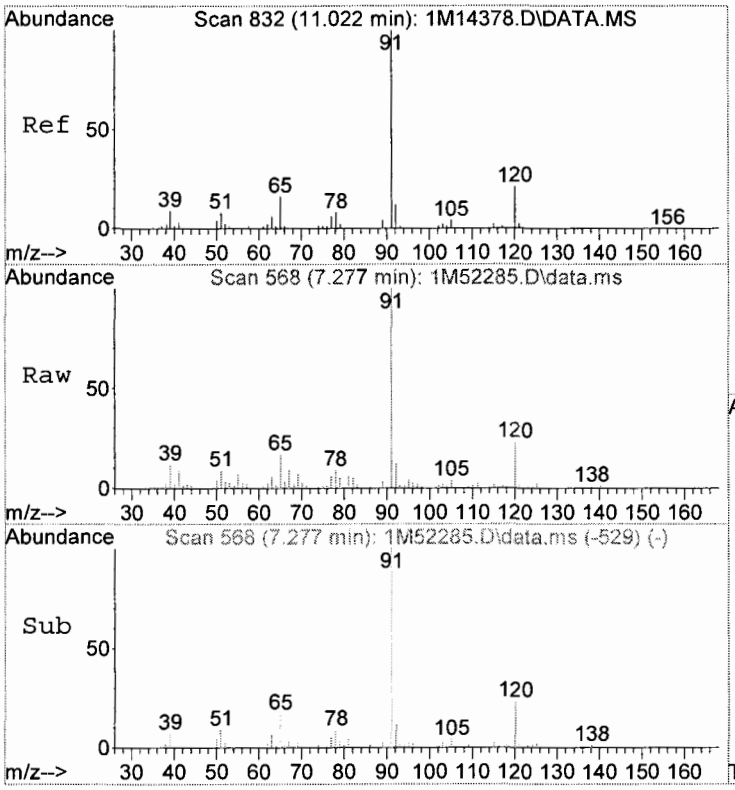


#72
Isopropylbenzene
Concen: 10.94 ug/l
RT: 7.030 min Scan# 543
Delta R.T. -0.019 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion:105 Resp: 56017

Ion	Ratio	Lower	Upper
105	100		
120	25.8	0.0	66.9
77	25.5	0.0	58.3

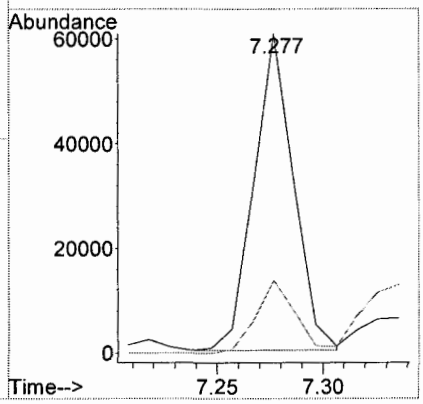


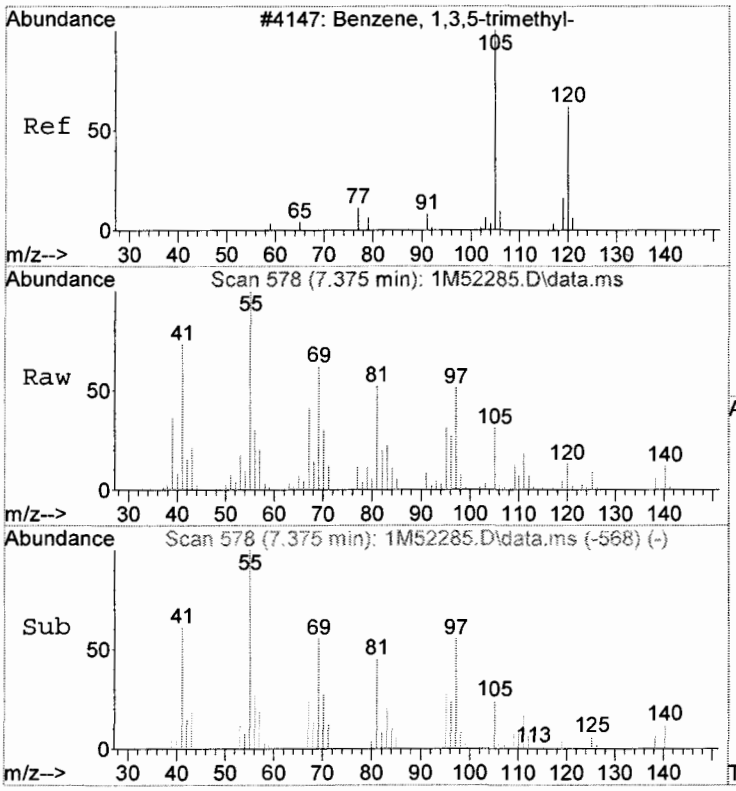


#78
n-Propylbenzene
Concen: 12.12 ug/l
RT: 7.277 min Scan# 568
Delta R.T. -0.019 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion: 91 Resp: 78243

Ion	Ratio	Lower	Upper
91	100		
120	23.3	0.0	61.6

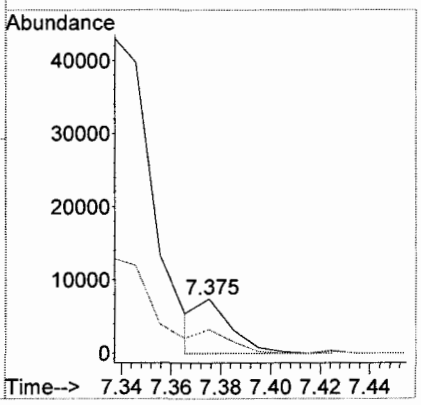


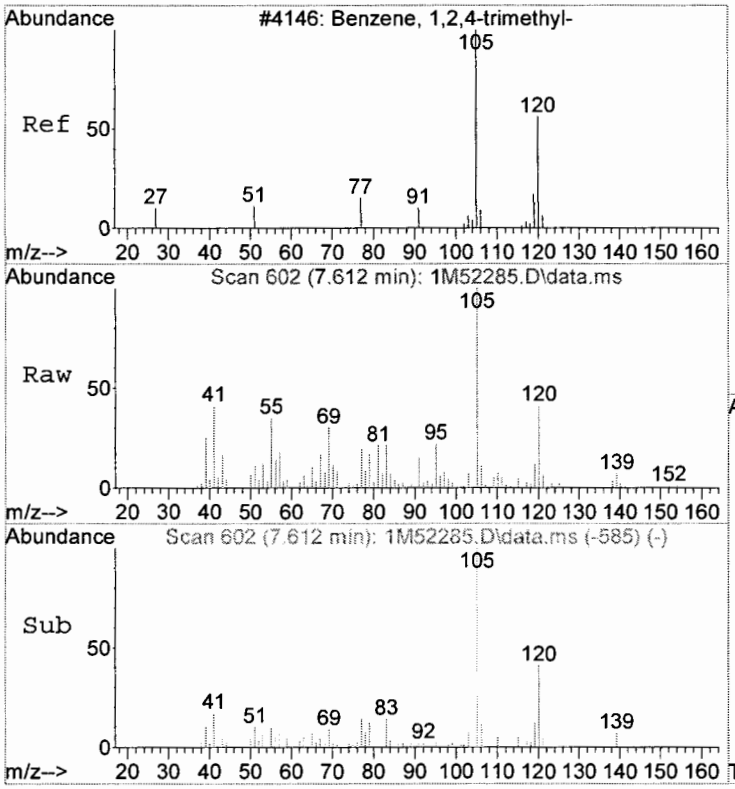


#80
1,3,5-Trimethylbenzene
Concen: 1.88 ug/l m
RT: 7.375 min Scan# 578
Delta R.T. -0.018 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion:105 Resp: 7006

Ion	Ratio	Lower	Upper
105	100		
120	460.7	0.0	94.0#

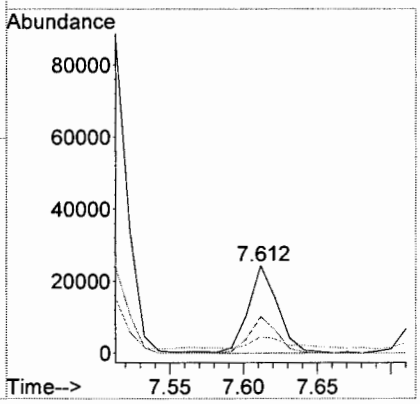


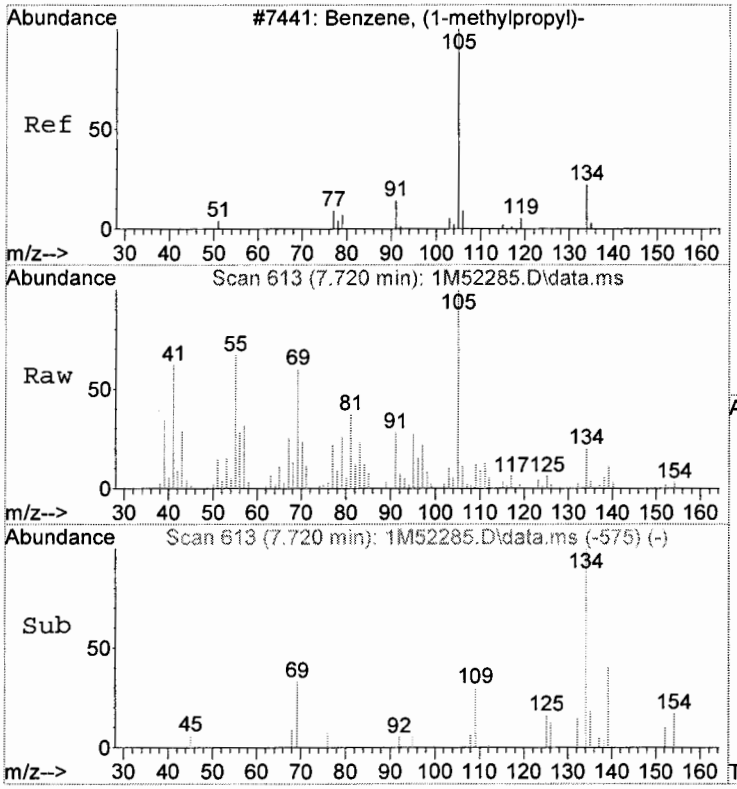


#82
1,2,4-Trimethylbenzene
Concen: 7.62 ug/l
RT: 7.612 min Scan# 602
Delta R.T. -0.029 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion:105 Resp: 33687

Ion	Ratio	Lower	Upper
105	100		
120	39.0	12.2	92.2
77	19.4	0.0	66.0

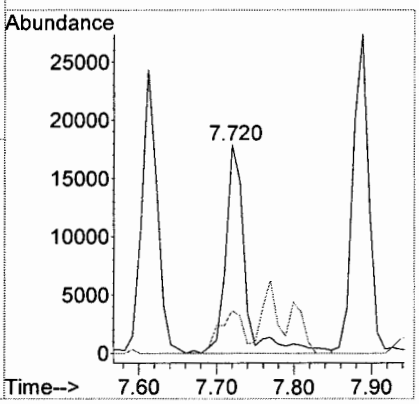


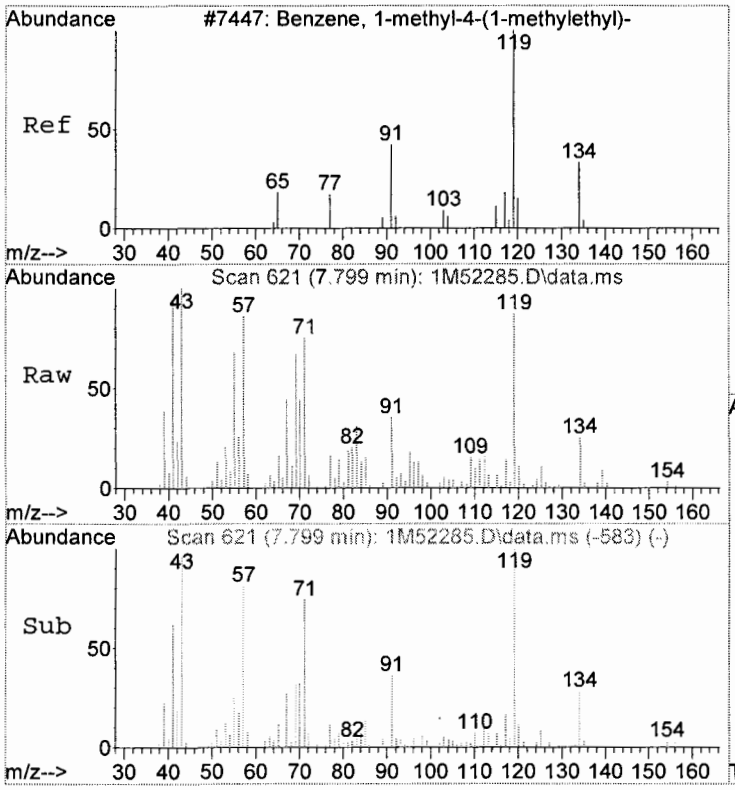


#83
sec-Butylbenzene
Concen: 5.75 ug/l
RT: 7.720 min Scan# 613
Delta R.T. -0.029 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion:105 Resp: 30929

Ion	Ratio	Lower	Upper
105	100		
134	24.8	0.0	61.8

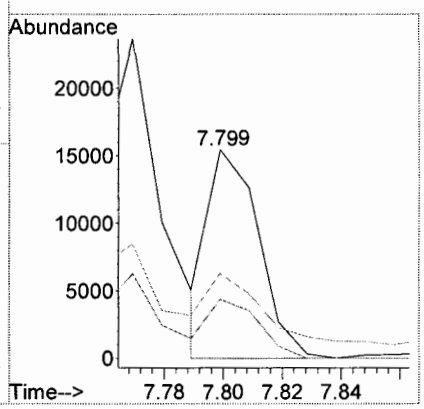


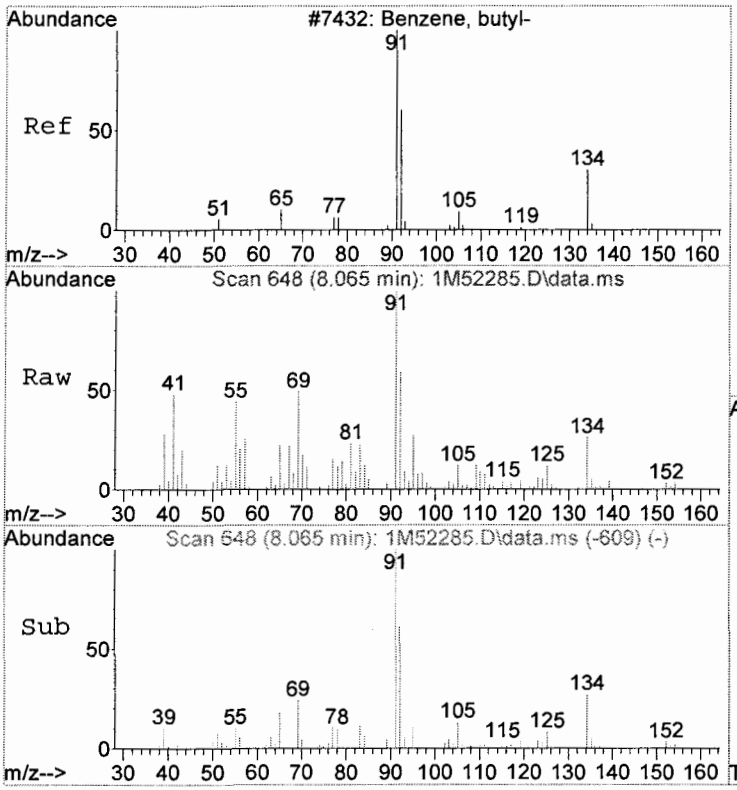


#84
4-Isopropyltoluene
Concen: 4.32 ug/l
RT: 7.799 min Scan# 621
Delta R.T. -0.028 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion:119 Resp: 18363

Ion	Ratio	Lower	Upper
119	100		
134	28.3	0.0	66.7
91	36.9	0.0	66.3

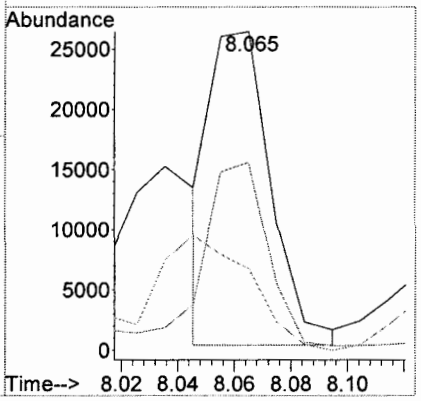




#85
n-Butylbenzene
Concen: 6.90 ug/l m
RT: 8.065 min Scan# 648
Delta R.T. -0.019 min
Lab File: 1M52285.D
Acq: 16 Dec 2009 14:02

Tgt Ion: 91 Resp: 38507

Ion	Ratio	Lower	Upper
91	100		
92	61.3	8.4	88.4
134	53.0	3.6	83.6



LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M52285.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.310	5	6	8	rVB	8623	9558	0.49%	0.042%
2	1.360	8	9	16	rVB	41399	76588	3.92%	0.339%
3	1.511	16	18	20	rBV	669	1890	0.10%	0.008%
4	1.561	20	21	24	rBV	1197	2720	0.14%	0.012%
5	1.628	24	25	26	rVB	832	837	0.04%	0.004%
6	1.679	26	28	30	rBV3	423	1144	0.06%	0.005%
7	1.779	32	34	35	rVB	586	801	0.04%	0.004%
8	1.830	35	37	38	rBV	550	915	0.05%	0.004%
9	1.897	38	41	42	rVB	427	1128	0.06%	0.005%
10	1.980	45	46	51	rVB2	1141	3358	0.17%	0.015%
11	2.081	51	52	54	rVV2	685	1648	0.08%	0.007%
12	2.131	54	55	57	rVB	3024	4402	0.23%	0.019%
13	2.232	58	61	62	rBB	503	850	0.04%	0.004%
14	2.329	64	66	68	rBV	682	1848	0.09%	0.008%
15	2.368	68	70	73	rVV2	1287	2288	0.12%	0.010%
16	2.418	73	75	78	rVV	2576	3644	0.19%	0.016%
17	2.487	78	82	86	rVV	13822	24397	1.25%	0.108%
18	2.556	86	89	94	rVV2	569	1839	0.09%	0.008%
19	2.634	94	97	104	rVV	32750	46964	2.40%	0.208%
20	2.713	104	105	110	rVB	832	980	0.05%	0.004%
21	2.812	110	115	117	rBV	4187	6980	0.36%	0.031%
22	2.891	120	123	129	rVB2	2951	4605	0.24%	0.020%
23	3.029	136	137	141	rVB	581	1070	0.05%	0.005%
24	3.098	141	144	146	rBV	325	582	0.03%	0.003%
25	3.167	146	151	155	rVB2	4755	9118	0.47%	0.040%
26	3.255	155	160	162	rBV2	4084	5611	0.29%	0.025%
27	3.522	186	187	190	rBV	369	545	0.03%	0.002%
28	3.679	199	203	205	rBV	5307	8593	0.44%	0.038%
29	3.709	205	206	208	rVV	1172	1585	0.08%	0.007%
30	3.758	208	211	214	rVV	3938	6435	0.33%	0.029%
31	3.817	214	217	222	rVB	4243	7329	0.38%	0.032%
32	3.886	222	224	228	rBV	449	972	0.05%	0.004%
33	4.054	239	241	243	rVB	688	928	0.05%	0.004%
34	4.113	243	247	248	rBV	2761	3294	0.17%	0.015%
35	4.152	248	251	254	rVV	66386	90610	4.64%	0.401%

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

36	4.192	254	255	257	rVV	4010	4489	0.23%	0.020%
37	4.241	257	260	264	rVV2	14993	23212	1.19%	0.103%
38	4.320	264	268	270	rVV2	5361	7223	0.37%	0.032%
39	4.379	270	274	277	rVV	61805	81168	4.15%	0.360%
40	4.428	277	279	281	rVV	11432	15355	0.79%	0.068%
41	4.468	281	283	285	rVV	3705	5483	0.28%	0.024%
42	4.507	285	287	289	rVV	7775	10866	0.56%	0.048%
43	4.566	289	293	294	rVV3	9721	25852	1.32%	0.115%
44	4.596	294	296	300	rVB	217090	272284	13.93%	1.206%
45	4.684	302	305	309	rVB2	3186	6297	0.32%	0.028%
46	4.744	309	311	313	rBV	499	533	0.03%	0.002%
47	4.842	317	321	323	rBV	2789	3108	0.16%	0.014%
48	4.960	325	333	338	rBV2	74749	139417	7.14%	0.618%
49	5.020	338	339	341	rVB2	917	969	0.05%	0.004%
50	5.069	341	344	346	rBV2	11212	14115	0.72%	0.063%
51	5.108	346	348	353	rVB	7090	10044	0.51%	0.044%
52	5.197	353	357	362	rBV3	13959	21980	1.12%	0.097%
53	5.276	362	365	367	rBV2	20440	30722	1.57%	0.136%
54	5.315	367	369	374	rVB2	41451	59896	3.07%	0.265%
55	5.404	374	378	383	rVB	40882	59221	3.03%	0.262%
56	5.493	383	387	390	rBV3	16353	27483	1.41%	0.122%
57	5.562	390	394	397	rBV	282701	412806	21.13%	1.829%
58	5.601	397	398	401	rVB	22612	20787	1.06%	0.092%
59	5.660	401	404	410	rVB2	92330	217213	11.12%	0.962%
60	5.739	410	412	413	rBV2	8750	10423	0.53%	0.046%
61	5.769	413	415	419	rVB	43215	57478	2.94%	0.255%
62	5.838	419	422	425	rBV2	42387	64471	3.30%	0.286%
63	5.887	425	427	429	rVB2	14266	18689	0.96%	0.083%
64	5.936	429	432	436	rVB2	38973	52556	2.69%	0.233%
65	6.025	436	441	443	rBV3	51378	110171	5.64%	0.488%
66	6.064	443	445	446	rBV	24125	25899	1.33%	0.115%
67	6.114	446	450	451	rBV2	66005	89305	4.57%	0.396%
68	6.143	451	453	458	rVB	124522	174508	8.93%	0.773%
69	6.212	458	460	462	rVB	50763	56598	2.90%	0.251%
70	6.261	462	465	469	rBV2	72815	135508	6.94%	0.600%
71	6.330	469	472	474	rVB	86170	104064	5.33%	0.461%
72	6.370	474	476	479	rVB3	20511	33325	1.71%	0.148%
73	6.429	479	482	487	rBV	238199	335766	17.18%	1.487%
74	6.508	487	490	492	rBV3	49169	91574	4.69%	0.406%
75	6.557	492	495	498	rBV2	174356	333521	17.07%	1.477%

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

76	6.606	498	500	503	rVB3	122728	210646	10.78%	0.933%
77	6.675	503	507	509	rBV4	16803	32717	1.67%	0.145%
78	6.715	509	511	514	rVB	53758	75445	3.86%	0.334%
79	6.784	514	518	519	rBV2	101847	215126	11.01%	0.953%
80	6.813	519	521	523	rVV	146942	225813	11.56%	1.000%
81	6.853	523	525	527	rVB	162266	213086	10.91%	0.944%
82	6.941	527	534	538	rBV3	213056	673777	34.48%	2.985%
83	6.991	538	539	541	rVV2	34922	53765	2.75%	0.238%
84	7.030	541	543	545	rVV	159572	274207	14.03%	1.215%
85	7.070	545	547	551	rVB2	131027	222005	11.36%	0.983%
86	7.129	551	553	557	rVB2	238227	363033	18.58%	1.608%
87	7.198	557	560	563	rBV4	66991	151861	7.77%	0.673%
88	7.257	563	566	570	rBV2	182350	403793	20.67%	1.789%
89	7.346	570	575	577	rVV2	232071	594919	30.45%	2.635%
90	7.375	577	578	584	rVB5	148715	277589	14.21%	1.230%
91	7.513	589	592	596	rVB2	270741	511124	26.16%	2.264%
92	7.562	596	597	601	rVB4	48585	75495	3.86%	0.334%
93	7.622	601	603	605	rBV2	99124	154812	7.92%	0.686%
94	7.671	605	608	610	rVB3	81252	116139	5.94%	0.514%
95	7.720	610	613	614	rBV3	68770	128909	6.60%	0.571%
96	7.769	614	618	620	rBV3	154588	305609	15.64%	1.354%
97	7.799	620	621	623	rBV2	22894	31421	1.61%	0.139%
98	7.848	625	626	628	rVB	106266	105500	5.40%	0.467%
99	7.888	628	630	634	rVB	166544	225047	11.52%	0.997%
100	7.986	634	640	642	rBV4	162787	475203	24.32%	2.105%
101	8.035	642	645	649	rVV3	142667	271757	13.91%	1.204%
102	8.104	649	652	656	rVB3	205996	396005	20.27%	1.754%
103	8.173	656	659	661	rBV3	199493	322803	16.52%	1.430%
104	8.213	661	663	666	rVB	170337	208429	10.67%	0.923%
105	8.282	667	670	674	rVB	403992	752929	38.53%	3.335%
106	8.390	674	681	683	rBV3	438331	1055316	54.01%	4.675%
107	8.469	687	689	690	rBV2	82472	106397	5.45%	0.471%
108	8.509	690	693	695	rVV2	224456	444816	22.76%	1.970%
109	8.538	695	696	699	rVB2	182097	236893	12.12%	1.049%
110	8.587	699	701	702	rBV	32482	23189	1.19%	0.103%
111	8.617	702	704	706	rVB	115156	125963	6.45%	0.558%
112	8.656	706	708	710	rBV2	125459	192729	9.86%	0.854%
113	8.735	713	716	718	rVB2	85905	142499	7.29%	0.631%
114	8.775	718	720	723	rVV2	306898	493124	25.24%	2.184%

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

115	8.814	723	724	725	rVV	91535	83210	4.26%	0.369%
116	8.873	725	730	741	rVB3	585774	1953969	100.00%	8.655%
117	9.001	741	743	746	rBV3	141556	305857	15.65%	1.355%
118	9.051	746	748	749	rVV	111748	175811	9.00%	0.779%
119	9.080	749	751	754	rVV3	367852	680180	34.81%	3.013%
120	9.129	754	756	758	rVV2	208594	378868	19.39%	1.678%
121	9.189	758	762	765	rVV2	399030	1045131	53.49%	4.630%
122	9.228	765	766	768	rVV2	161818	161763	8.28%	0.717%
123	9.267	768	770	772	rVV	161510	279818	14.32%	1.240%
124	9.297	772	773	778	rVV5	104962	259989	13.31%	1.152%
125	9.405	778	784	786	rVV4	192621	541056	27.69%	2.397%
126	9.455	786	789	795	rVV6	128843	424606	21.73%	1.881%
127	9.543	795	798	801	rVV2	163614	340113	17.41%	1.507%
128	9.593	801	803	806	rVV2	136767	232926	11.92%	1.032%
129	9.672	806	811	815	rVV4	154088	488465	25.00%	2.164%
130	9.750	815	819	821	rVV4	89673	224244	11.48%	0.993%
131	9.809	821	825	830	rVB4	120873	367933	18.83%	1.630%
132	9.898	830	834	837	rBV5	72414	189186	9.68%	0.838%
133	9.938	837	838	840	rVB	56052	51566	2.64%	0.228%

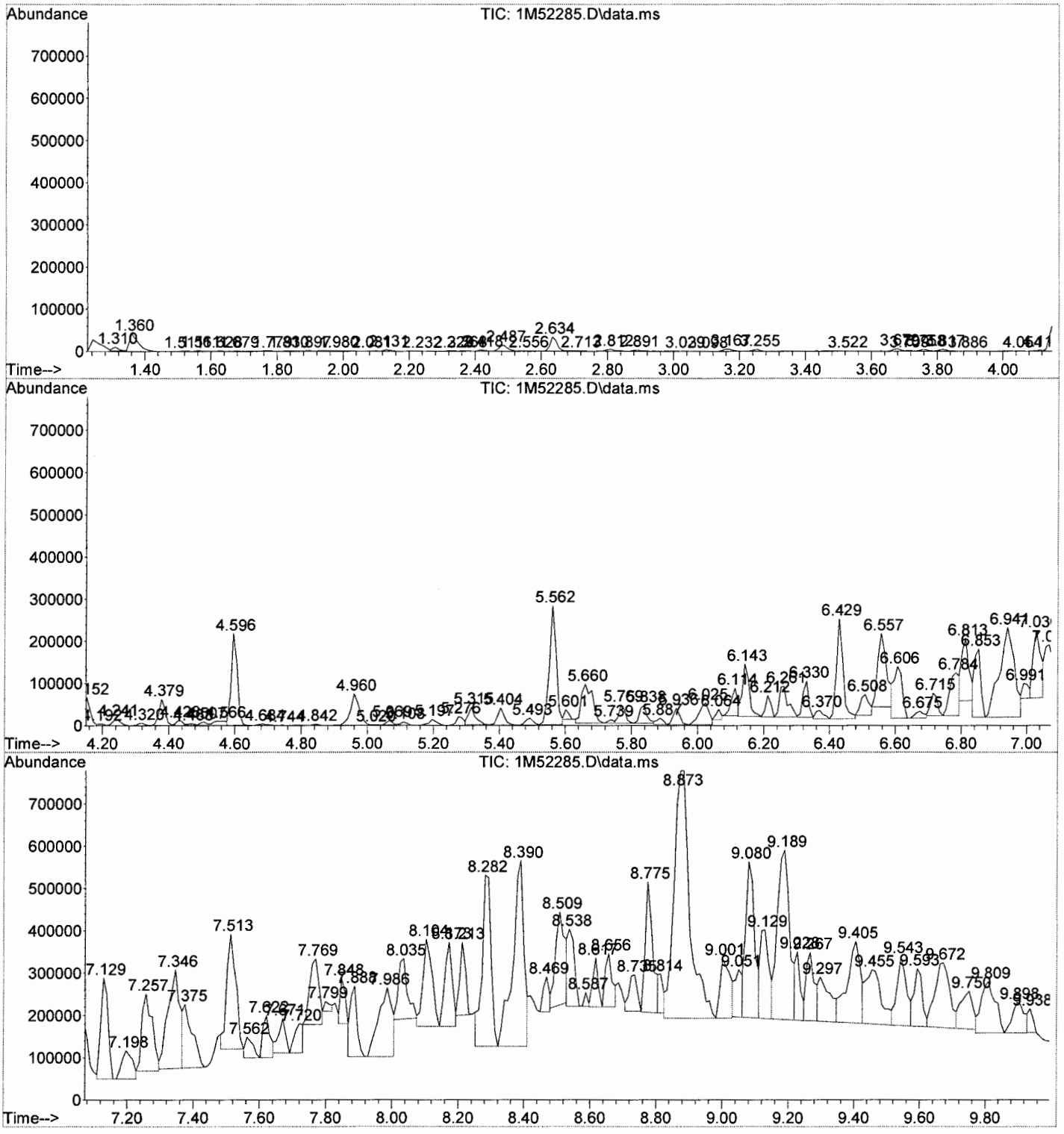
Sum of corrected areas: 22575016

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



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Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

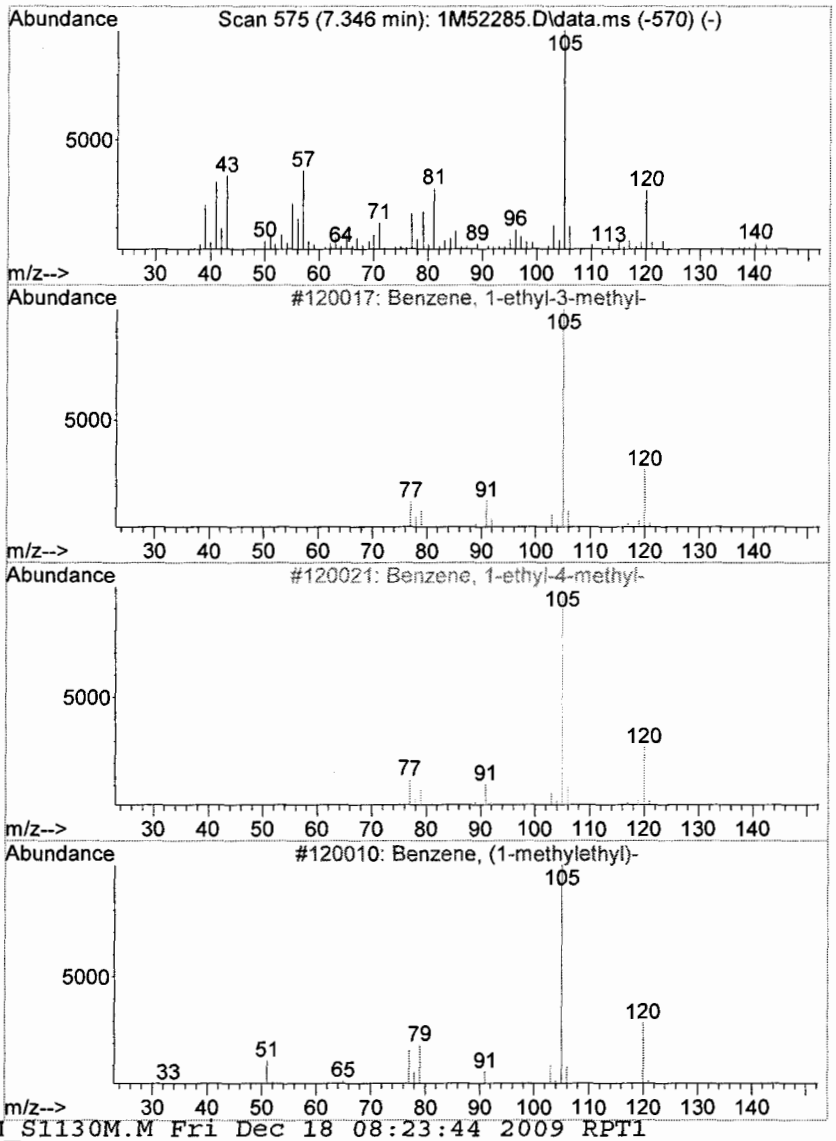
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

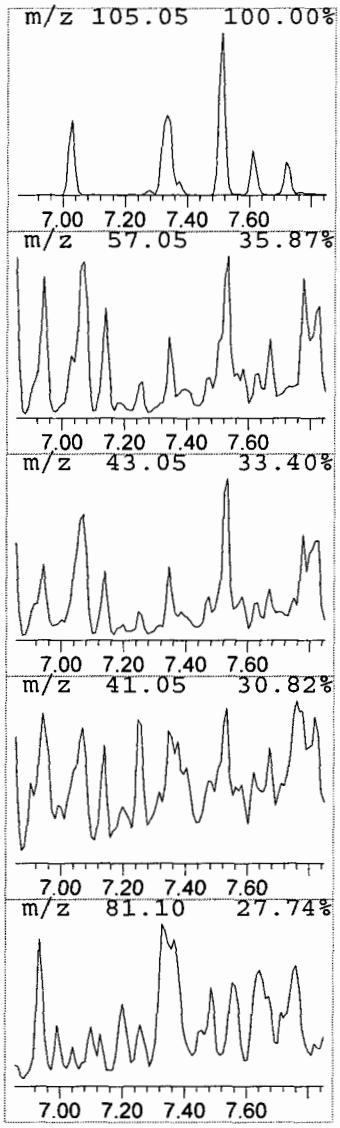
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	169.17 ug/l	594919	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	58
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	58





Library Search Compound Report

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Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

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Quant Title : @GCMS_1,ug,624,8260

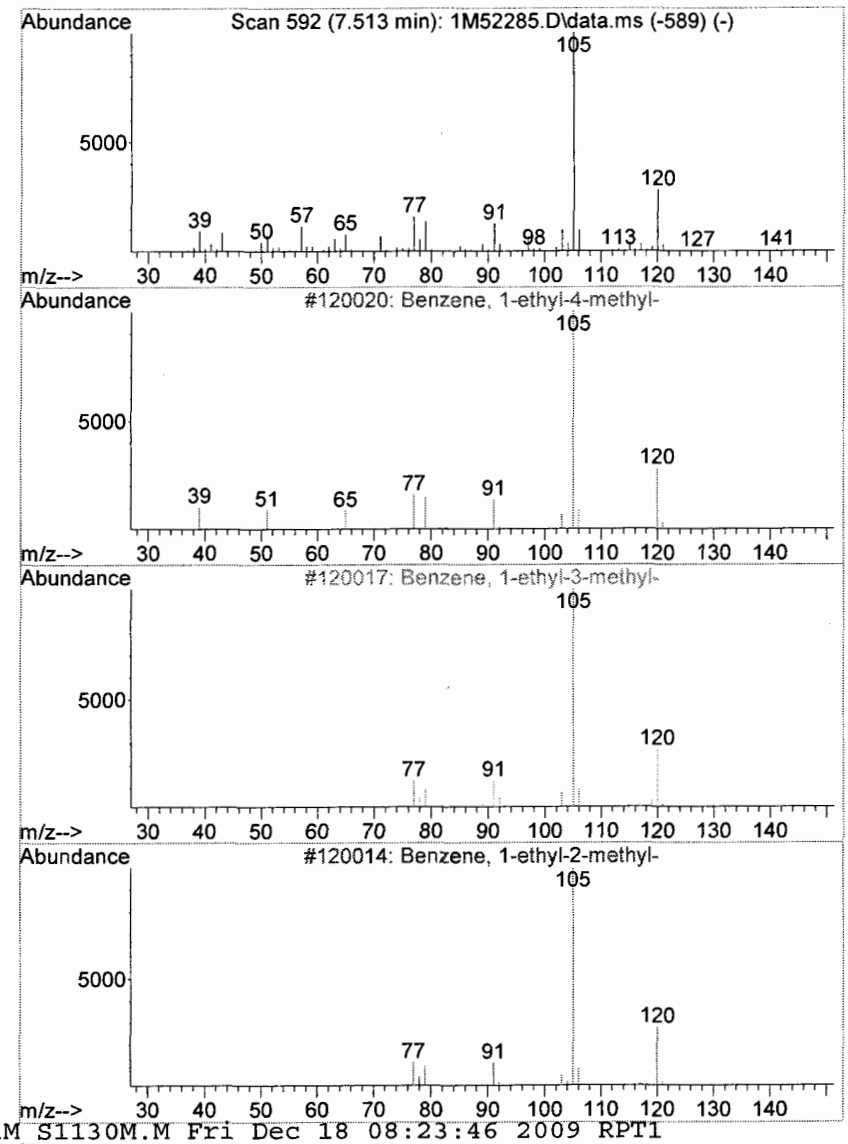
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

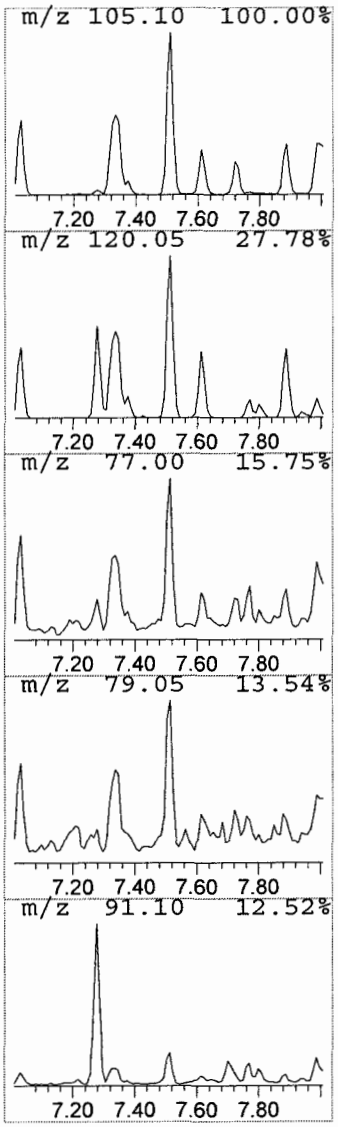
****

Peak Number 2 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.51	145.34 ug/l	511124	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	74
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87





Library Search Compound Report

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Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

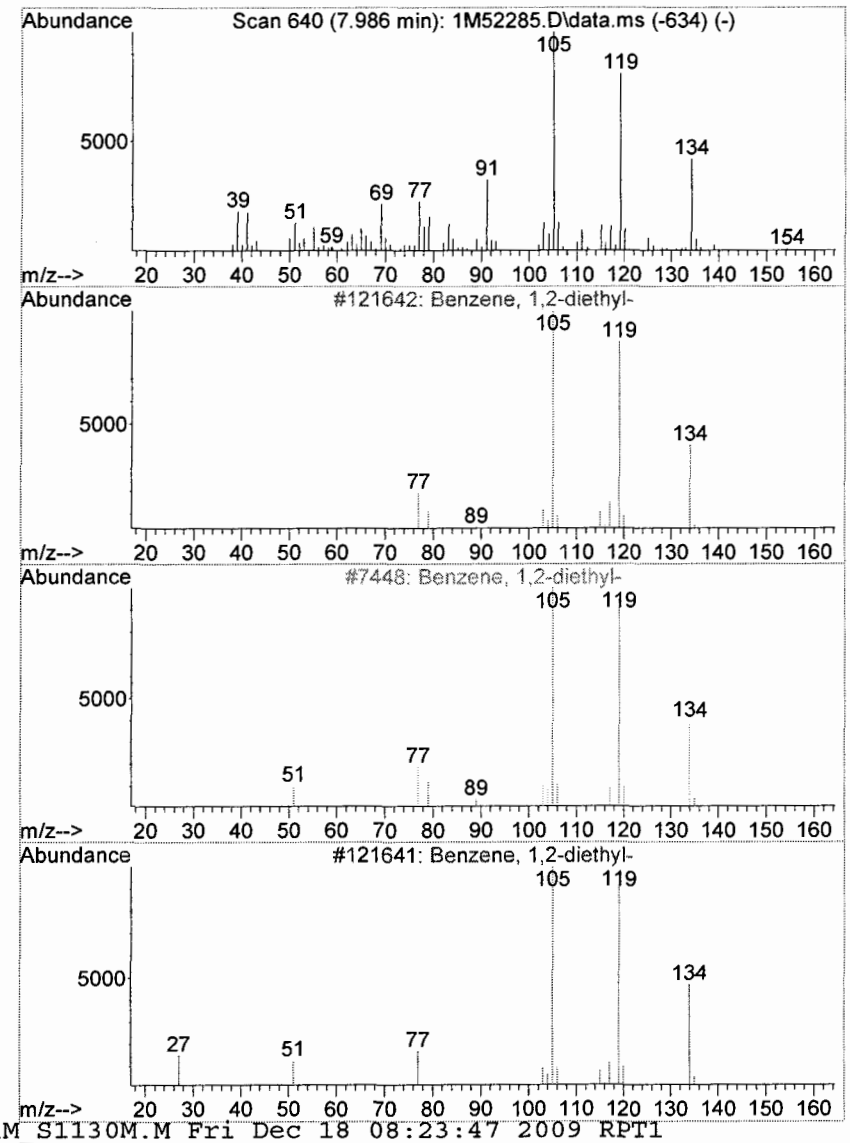
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

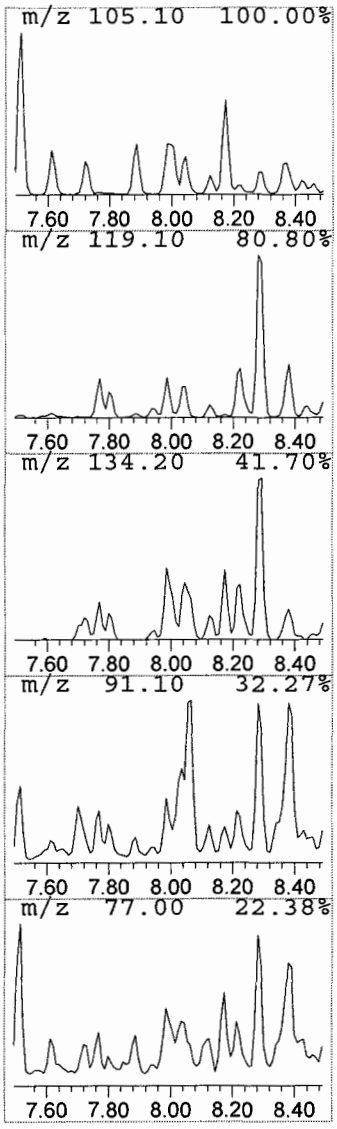
****

Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	135.13 ug/l	475203	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	45
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90





Library Search Compound Report

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Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

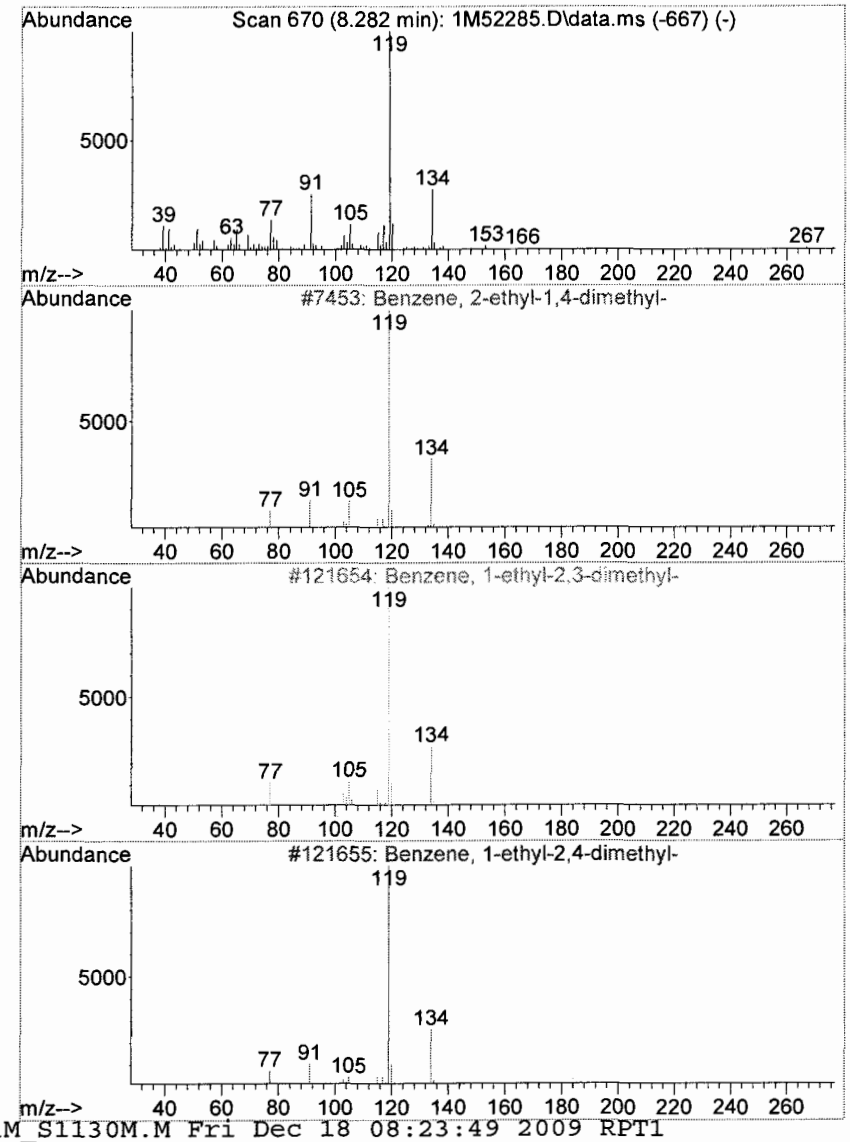
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

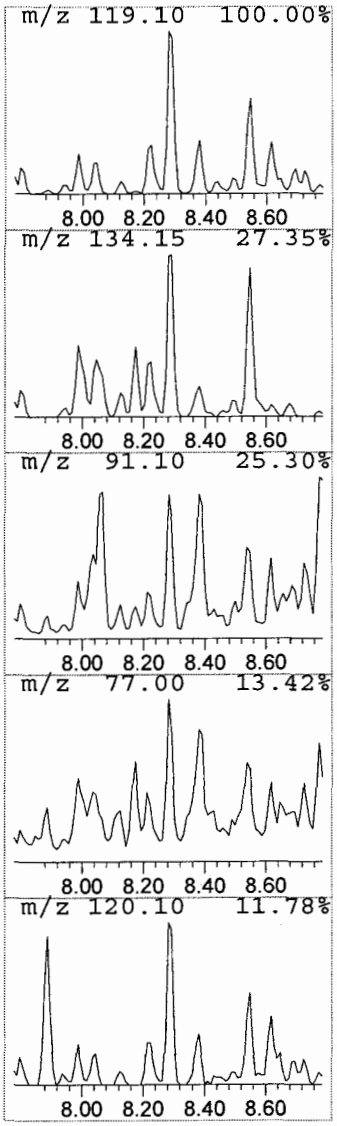
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	214.10 ug/l	752929	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	81
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
5	Benzene, methyl(1-methylethyl)-	134	C10H14	025155-15-1	76





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Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

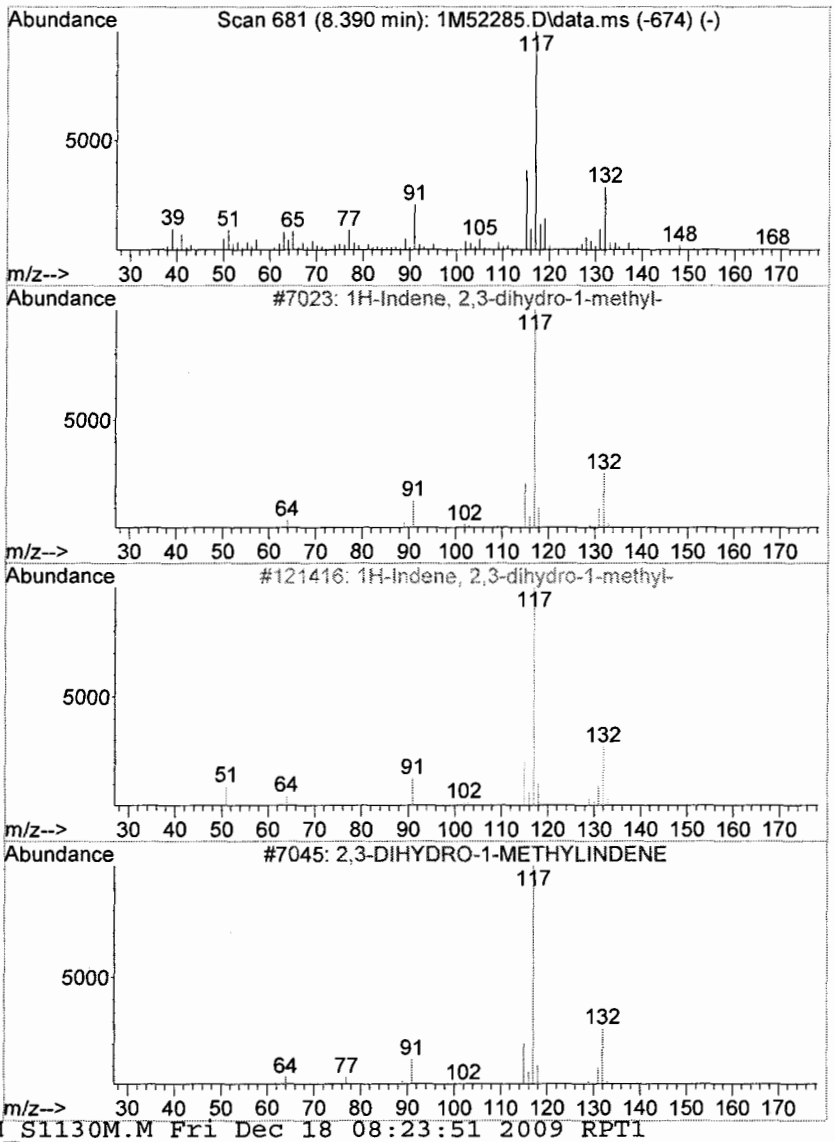
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

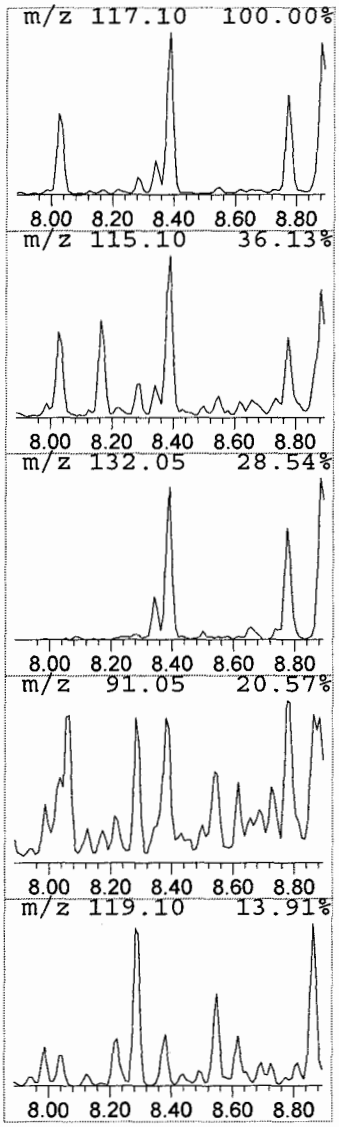
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Indene, 2,3-dihydro-1-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	300.09 ug/l	1055320	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	90
2	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	87
3	2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	87
4	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	87
5	1R-METHYL-2T-PHENYLCYCLOPROPANE	132	C10H12	005070-01-9	49





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Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

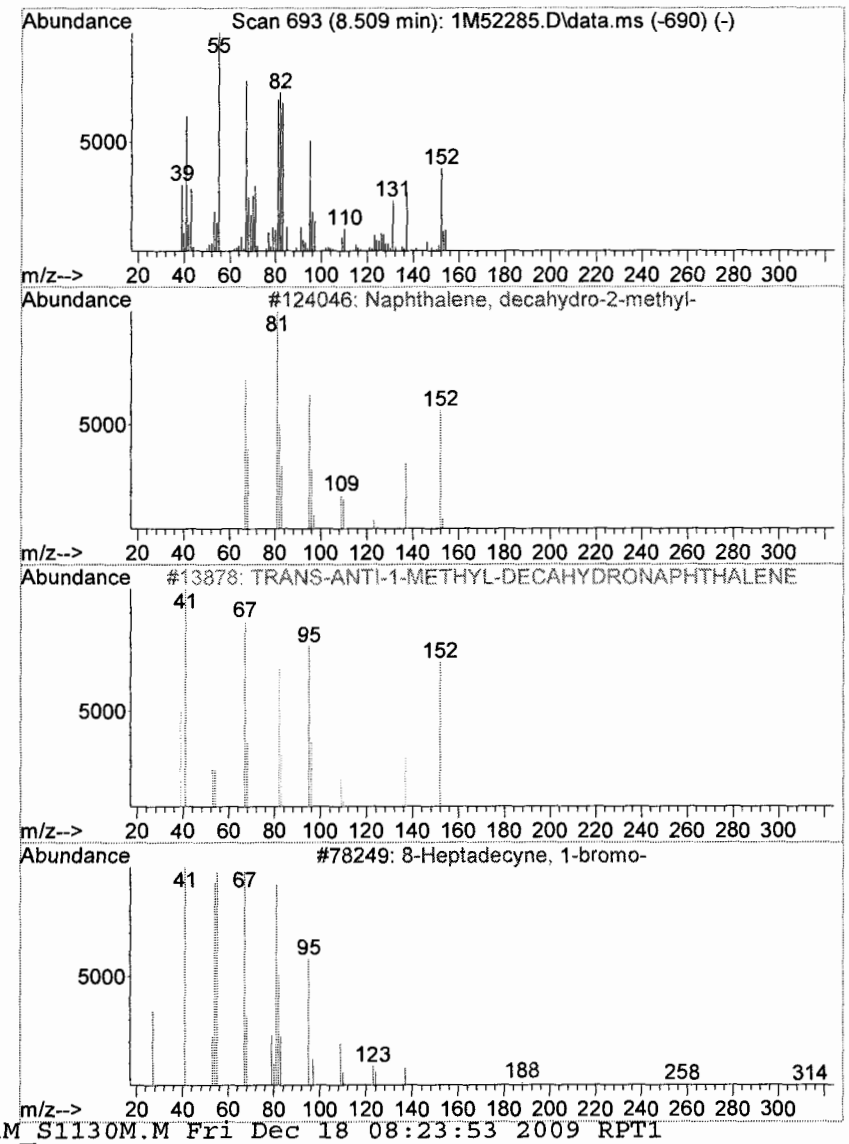
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

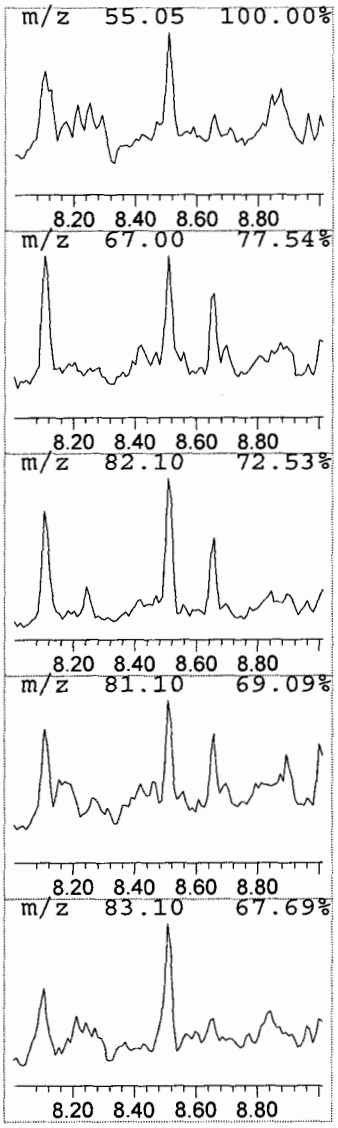
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, decahydro-2-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	126.49 ug/l	444816	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	55
2	TRANS-ANTI-1-METHYL-DECAHYDRONAP...	152	C11H20	000000-00-0	50
3	8-Heptadecyne, 1-bromo-	314	C17H31Br	056599-94-1	43
4	2-allyl-2-methylcyclohexanone	152	C10H16O	016178-87-3	52
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	22





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Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

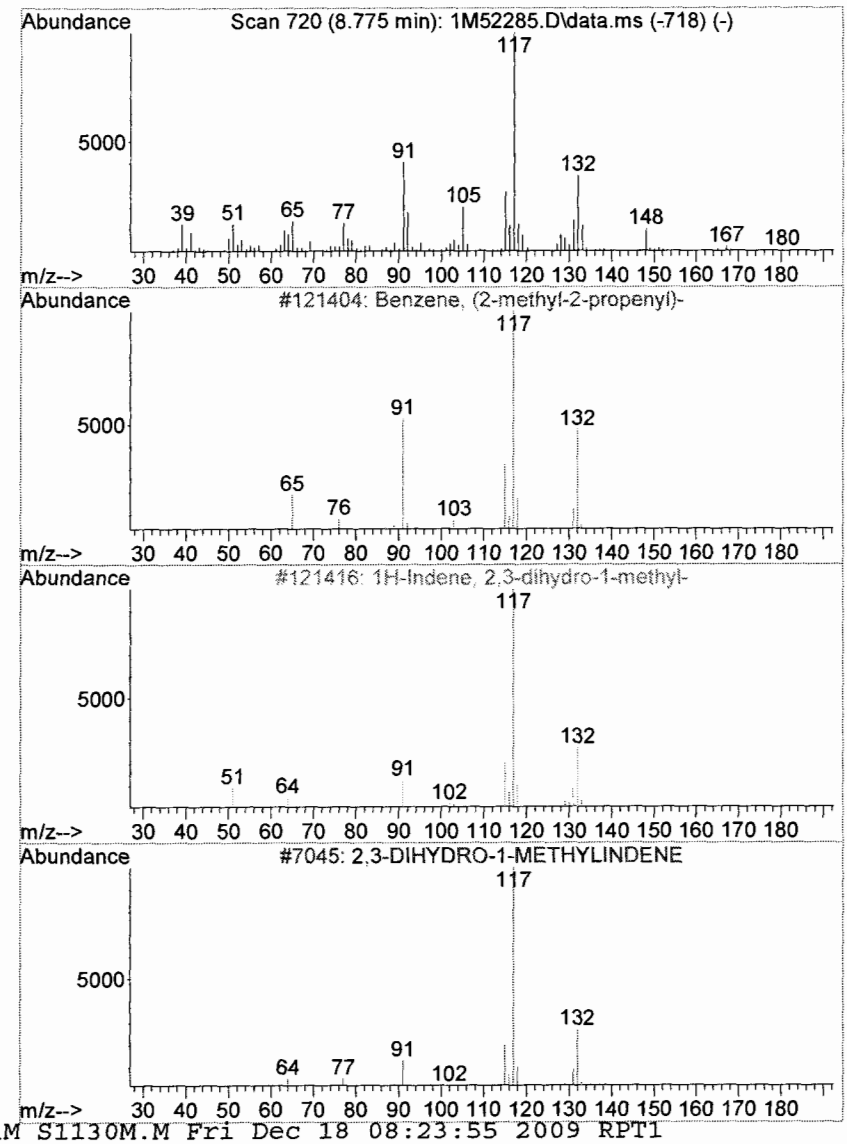
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

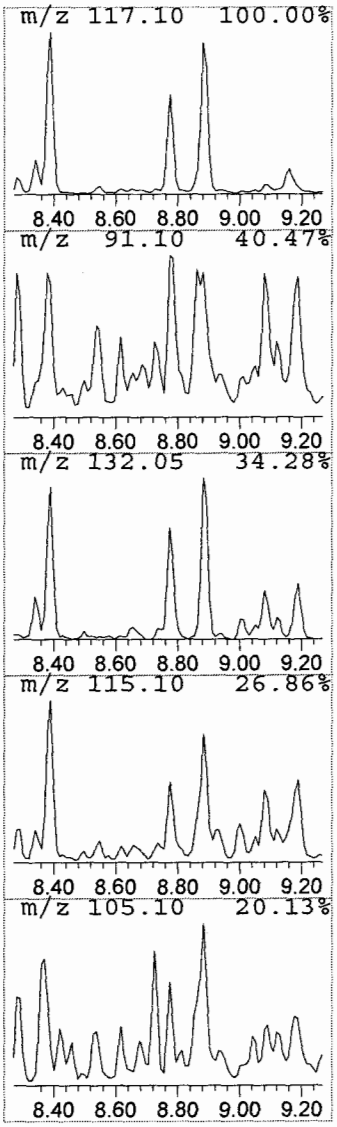
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, (2-methyl-2-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	140.22 ug/l	493124	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90
2	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76
3	2,3-DIHYDRO-1-METHYLINDENE	132	C10H12	027133-93-3	38
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	43
5	1H-Indene, 2,3-dihydro-1-methyl-	132	C10H12	000767-58-8	76





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Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

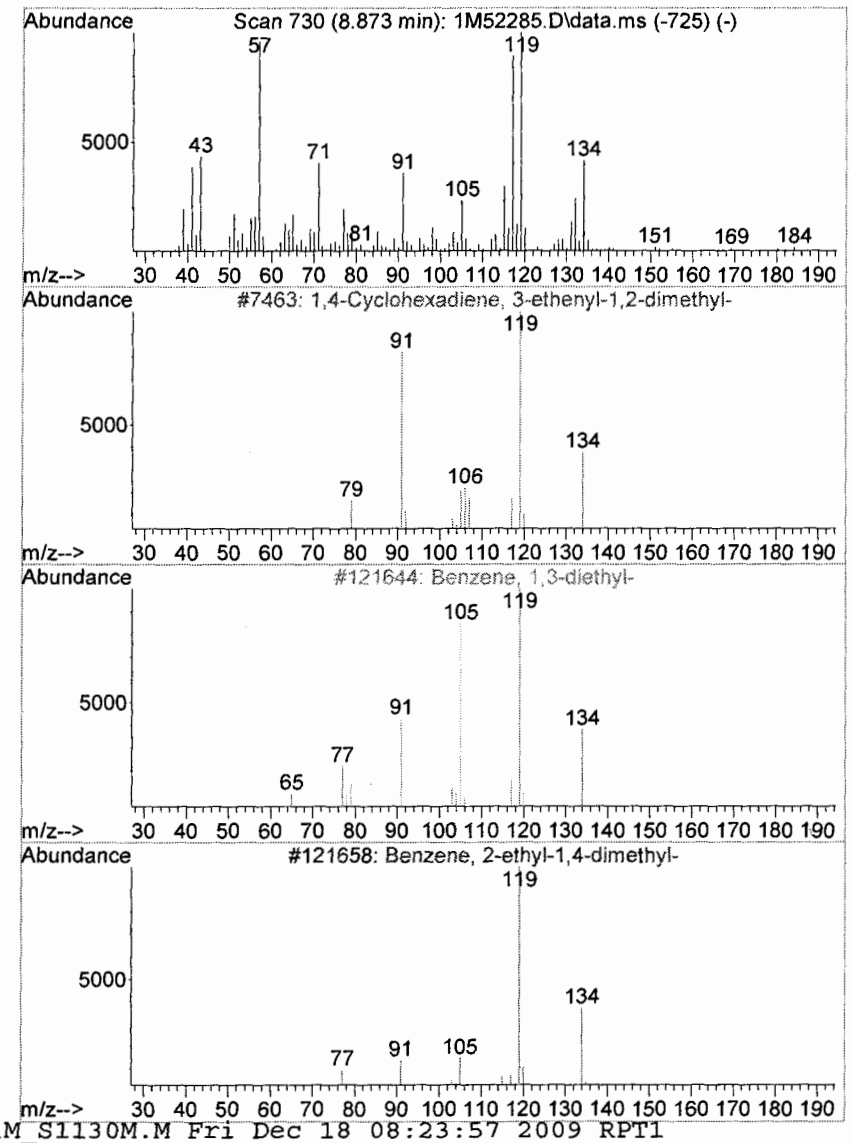
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

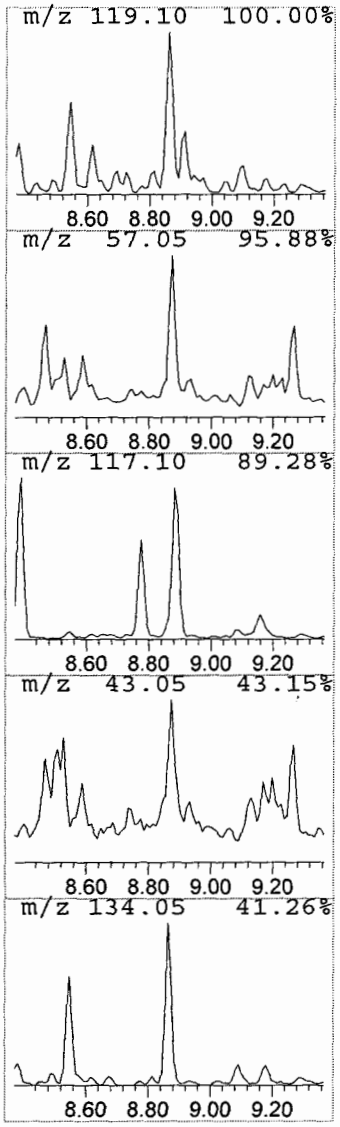
****

Peak Number 8 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	555.63 ug/l	1953970	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	38
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	30
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	38





Library Search Compound Report

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Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

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Quant Title : @GCMS_1,ug,624,8260

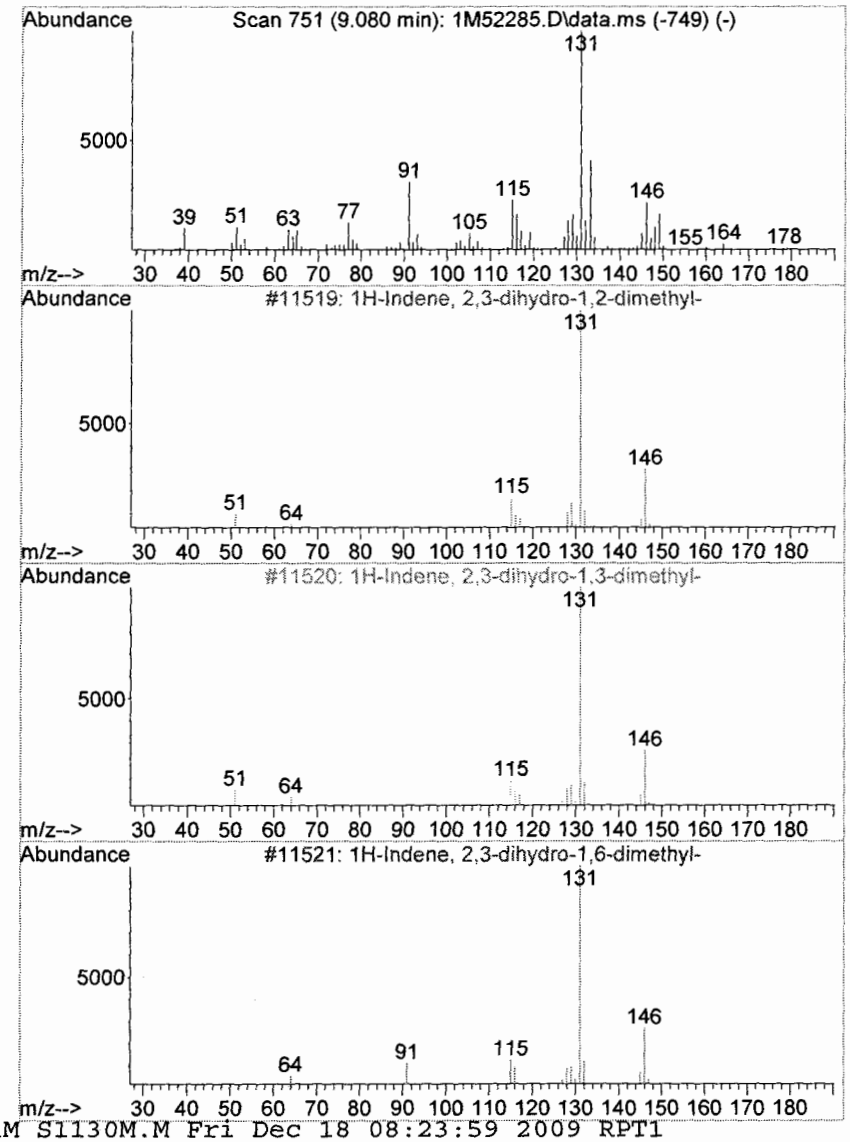
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

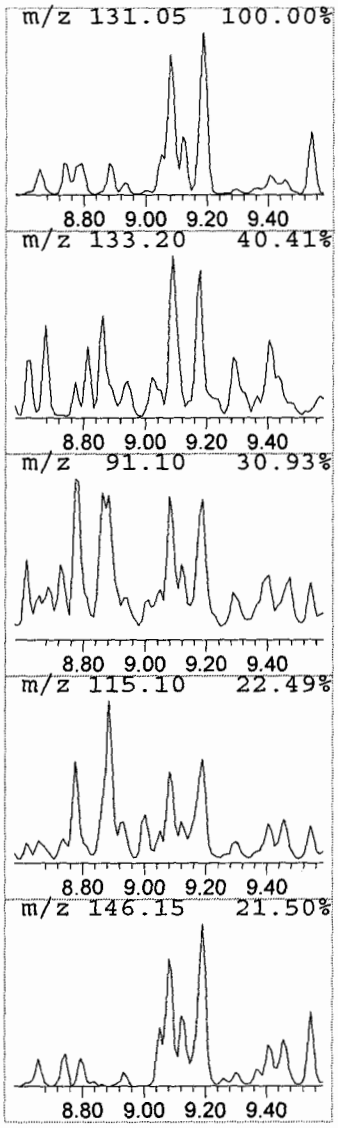
****

Peak Number 9 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	193.42 ug/l	680180	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	83
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	47
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	49
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	41
5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	49





Library Search Compound Report

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Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

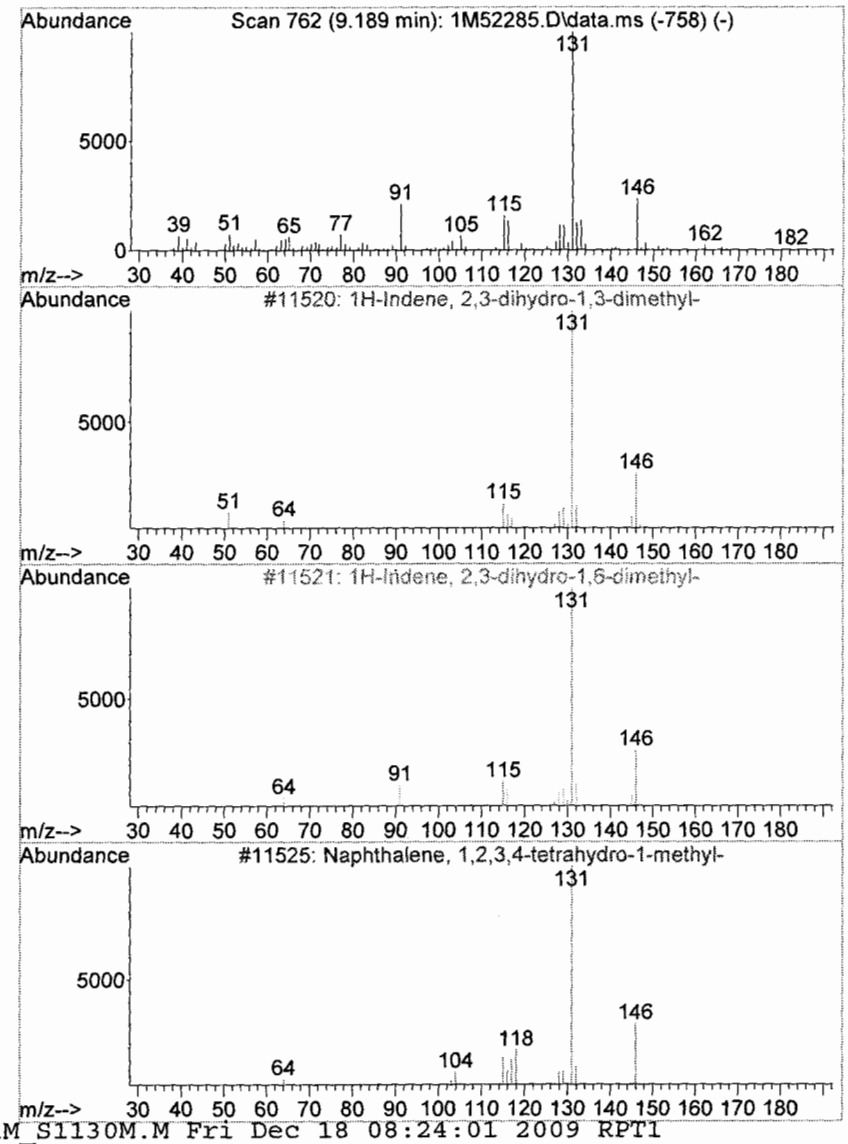
Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

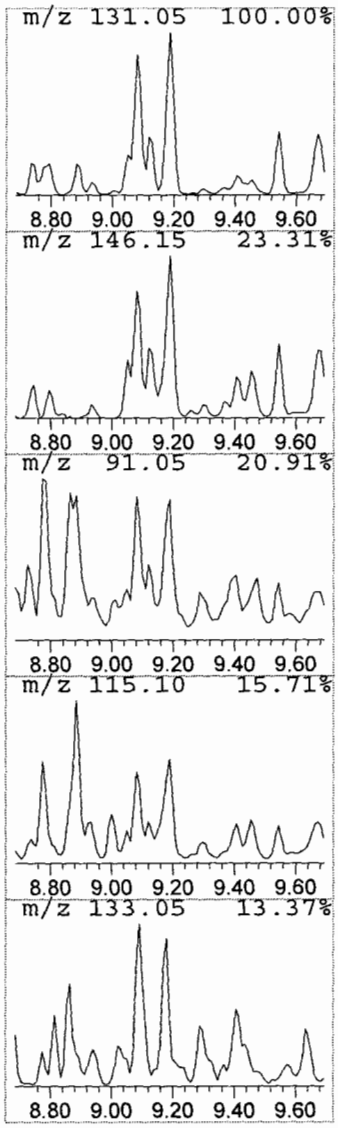
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	297.19 ug/l	1045130	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	52
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91





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Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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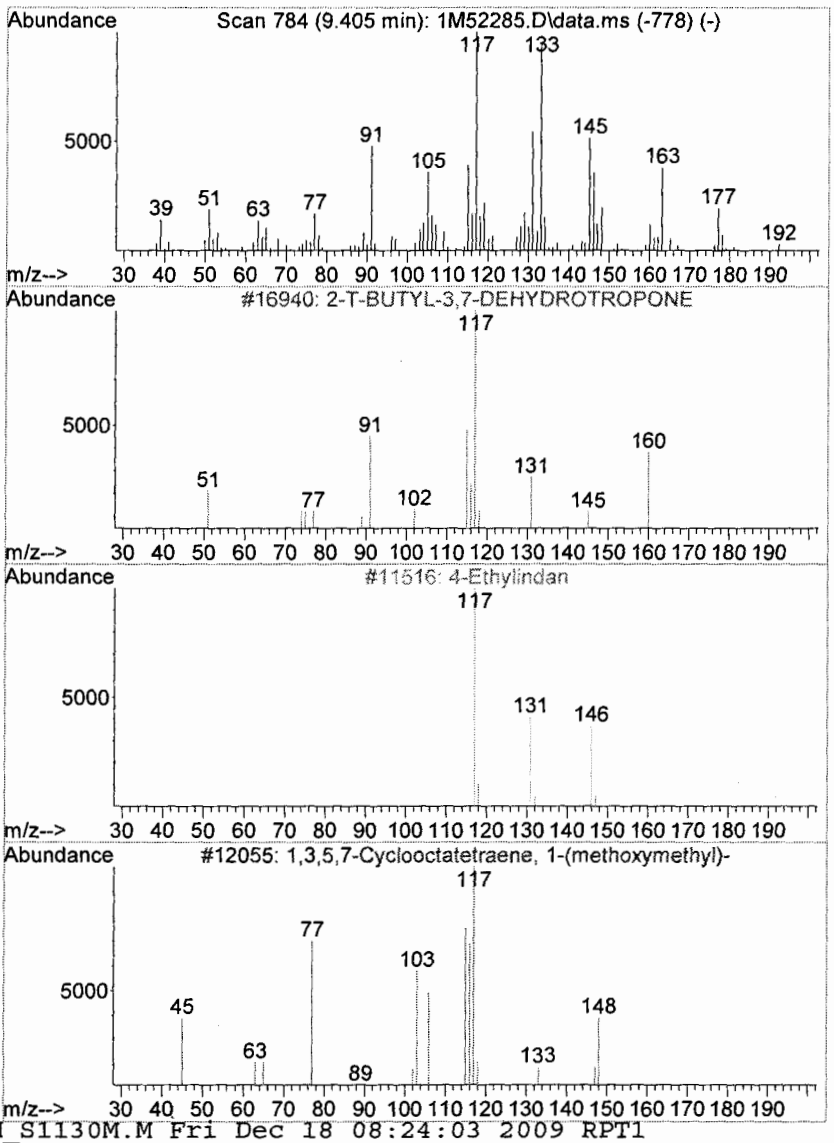
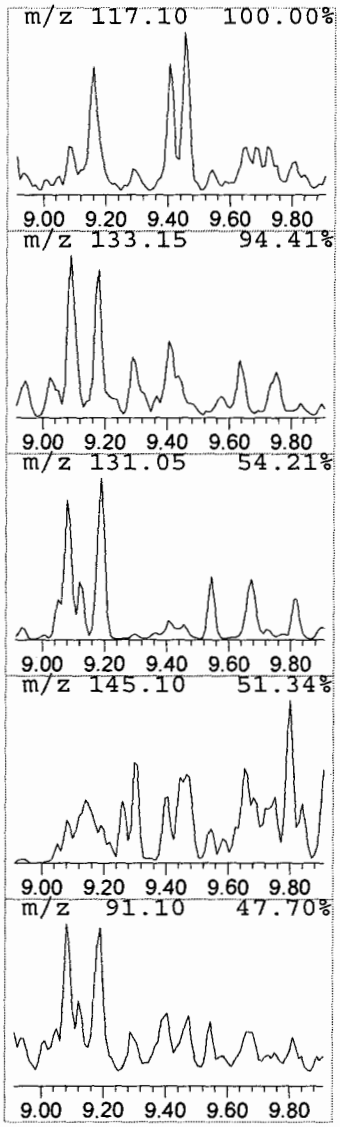
Peak Number 11 unknown Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	153.85 ug/l	541056	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-T-BUTYL-3,7-DEHYDROTROPONE	160	C11H12O	058626-92-9	22
2	4-Ethylindan	146	C11H14	066256-38-0	27
3	1,3,5,7-Cyclooctatetraene, 1-(me...	148	C10H12O	030844-13-4	10
4	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	14
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	14





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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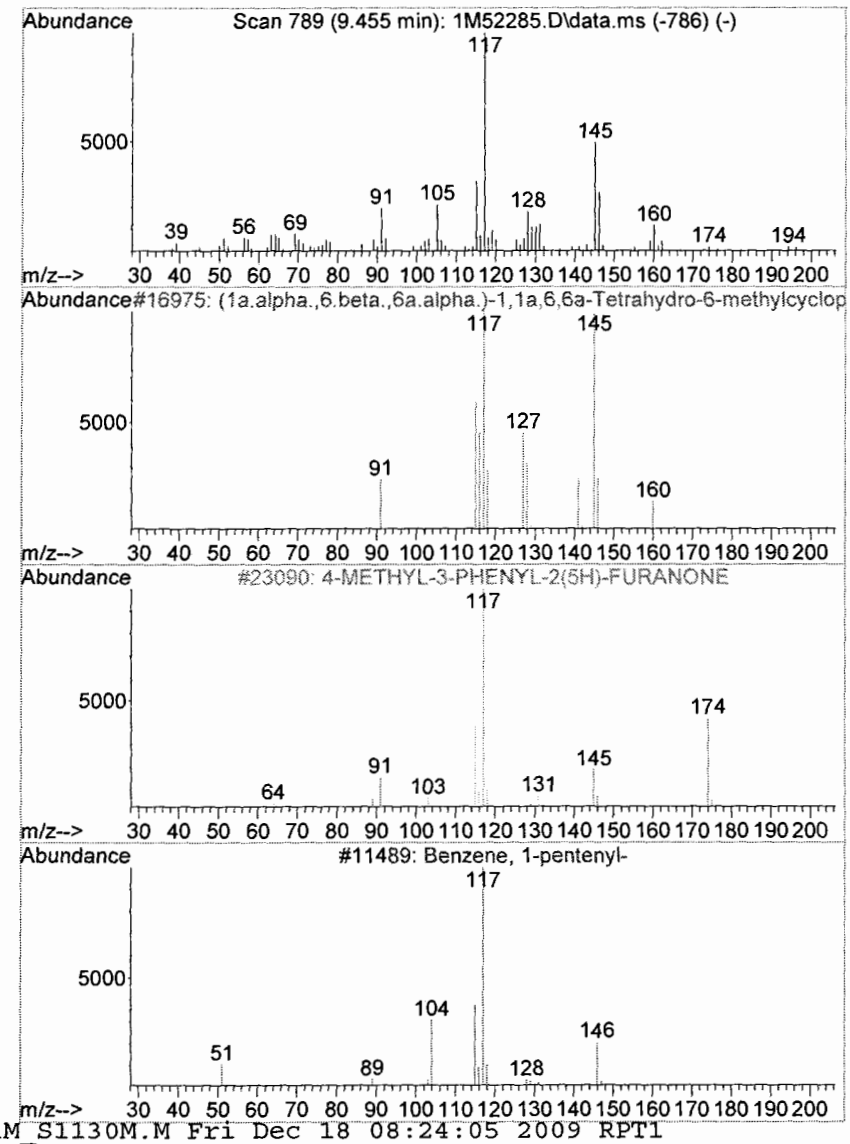
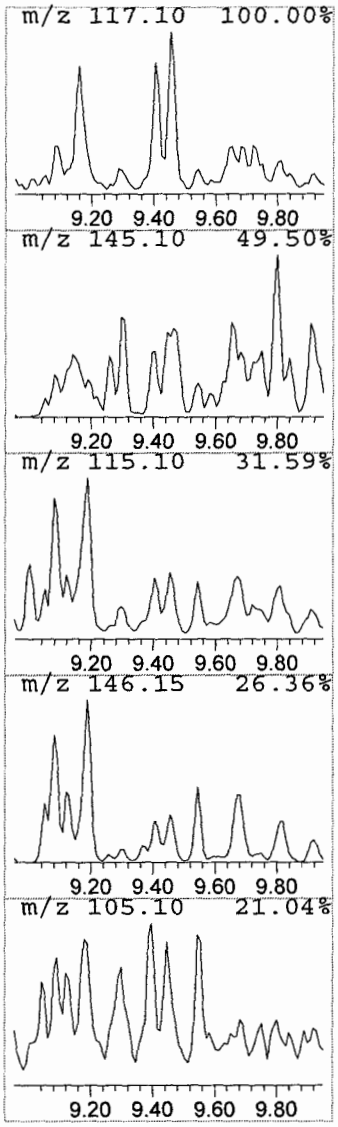
Peak Number 12 unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	120.74 ug/l	424606	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1a.alpha.,6.beta.,6a.alpha.)-1,...	160	C11H12O	065731-99-9	28
2	4-METHYL-3-PHENYL-2(5H)-FURANONE	174	C11H10O2	000000-00-0	12
3	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	32
4	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	10
5	2-T-BUTYL-3,7-DEHYDROTROPONE	160	C11H12O	058626-92-9	11





Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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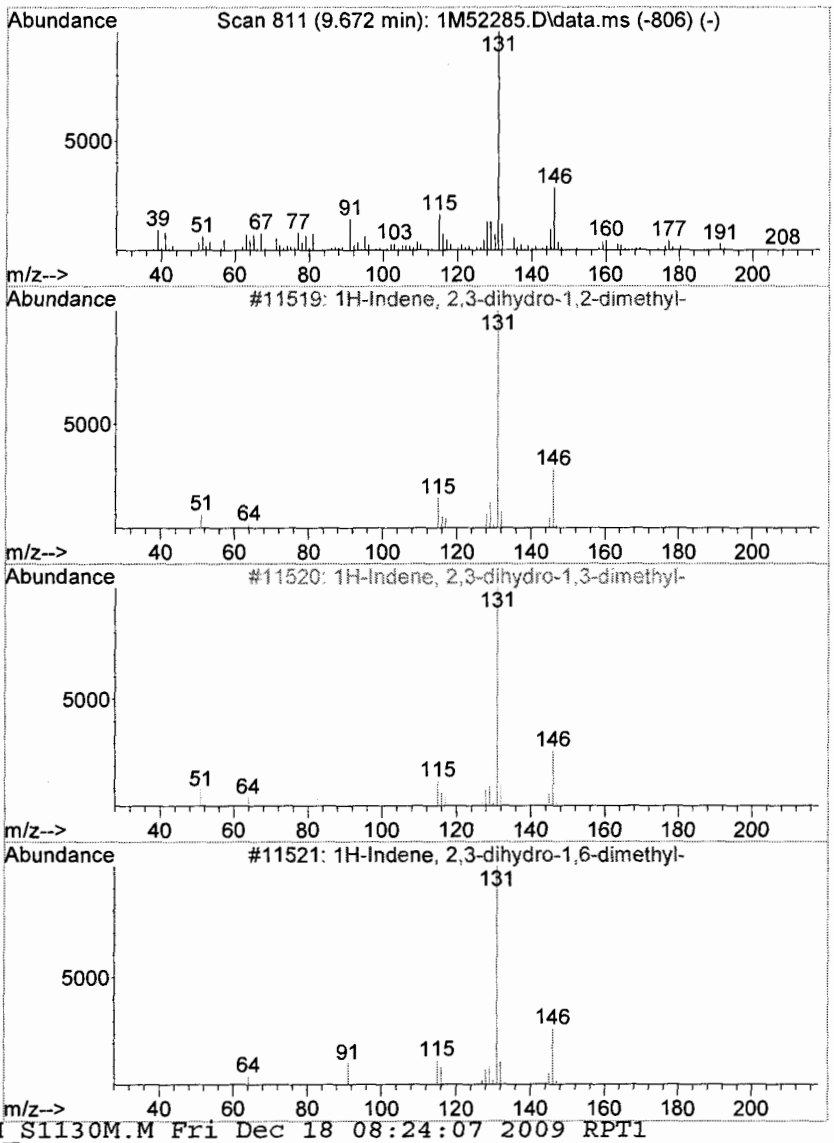
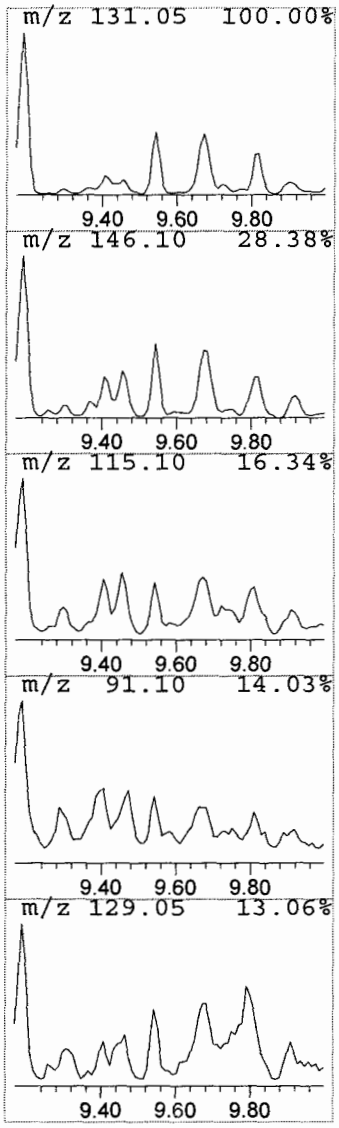
Peak Number 13 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	138.90 ug/l	488465	1,4-Dichlorobenzene-d4	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	72
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	49





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52285.D
Acq On : 16 Dec 2009 14:02
Operator : DB
Sample : AC48886-002
Misc : S,5G!5
ALS Vial : 19 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	ExpRT	ActRt	Resp	Conc
Benzene, 1-ethyl-...	7.35	169.2	ug/l	594919	3	7.85	7.85	105500	30.0
Benzene, 1-ethyl-...	7.51	145.3	ug/l	511124	3	7.85	7.85	105500	30.0
Benzene, 1,2-diet...	7.99	135.1	ug/l	475203	3	7.85	7.85	105500	30.0
Benzene, 2-ethyl-...	8.28	214.1	ug/l	752929	3	7.85	7.85	105500	30.0
1H-Indene, 2,3-di...	8.39	300.1	ug/l	1055320	3	7.85	7.85	105500	30.0
Naphthalene, deca...	8.51	126.5	ug/l	444816	3	7.85	7.85	105500	30.0
Benzene, (2-methy...	8.77	140.2	ug/l	493124	3	7.85	7.85	105500	30.0
unknown	8.87	555.6	ug/l	1953970	3	7.85	7.85	105500	30.0
1H-Indene, 2,3-di...	9.08	193.4	ug/l	680180	3	7.85	7.85	105500	30.0
1H-Indene, 2,3-di...	9.19	297.2	ug/l	1045130	3	7.85	7.85	105500	30.0
unknown	9.41	153.9	ug/l	541056	3	7.85	7.85	105500	30.0
unknown	9.45	120.7	ug/l	424606	3	7.85	7.85	105500	30.0
1H-Indene, 2,3-di...	9.67	138.9	ug/l	488465	3	7.85	7.85	105500	30.0

GC/MS Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M51537.	CAL @ 20 PPB	11/30/09 10:14	2	1M51539.	CAL @ 5 PPB	11/30/09 10:46
3	1M51538.	CAL @ 10 PPB	11/30/09 10:30	4	1M51536.	CAL @ 50 PPB	11/30/09 09:58
5	1M51535.	CAL @ 100 PPB	11/30/09 09:42	6	1M51534.	CAL @ 250 PPB	11/30/09 09:26
7	1M51533.	CAL @ 500 PPB	11/30/09 09:10	8	1M51542.	CAL @ 1 PPB	11/30/09 11:35
9	1M51541.	CAL @ 0.5 PPB	11/30/09 11:19				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.7436	0.7912	0.7330	0.7277	0.7507	0.7002	0.6754	-----	-----	0.732	1.38	0.999	1.00	5.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dichlorodifluoromethan	1	0	Avg	0.5043	0.4493	0.4887	0.4117	0.4778	0.4574	0.4643	-----	-----	0.465	1.38	1.00	1.00	6.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.4528	0.5390	0.4752	0.5014	0.4556	0.4355	0.4164	-----	-----	0.468	1.50	0.999	1.00	8.9	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.2122	0.2218	0.2296	0.1821	0.1877	0.1655	0.1555	-----	-----	0.194	1.83	0.998	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.3559	0.3877	0.3742	0.3878	0.3704	0.3359	0.3322	-----	-----	0.363	1.58	0.999	1.00	6.3	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	LinF	0.2026	0.2577	0.2366	0.1920	0.1945	0.1760	0.1697	-----	-----	0.204	1.90	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethane	1	0	Avg	0.6953	0.7029	0.6897	0.6228	0.6050	0.5413	0.5439	-----	-----	0.629	2.08	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.1.2-Trichloro-1.2.2-tri	1	0	Avg	0.3352	0.3375	0.3317	0.3289	0.3353	0.2843	0.2755	-----	-----	0.318	2.48	0.998	0.999	8.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	Avg	0.4012	0.4109	0.4494	0.3847	0.3669	0.3317	0.3209	-----	-----	0.381	2.82	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0273	0.0253	0.0282	0.0271	0.0264	0.0254	0.0252	-----	-----	0.0265	2.39	1.00	1.00	4.4		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.0930	0.0731	0.0984	0.0921	0.0717	0.0827	0.0800	-----	-----	0.0845	3.01	0.999	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Avg	0.5420	0.5331	0.5599	0.5269	0.5491	0.4938	0.4561	-----	-----	0.523	2.59	0.998	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Avg	0.0728	0.0736	0.0821	0.0690	0.0672	0.0595	0.0563	-----	-----	0.0687	2.50	0.999	1.00	13		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	1.2535	1.2395	1.3163	1.1759	1.1885	1.0670	1.0506	-----	-----	1.18	2.65	0.999	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0107	0.0084	0.0126	0.0107	0.0106	0.0101	0.0098	-----	-----	0.0105	2.89	1.00	1.00	12		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Avg	0.5503	0.4625	0.4964	0.5740	0.6047	0.5307	0.5230	-----	-----	0.535	3.26	0.999	0.999	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	1.5118	1.3128	1.5903	1.4565	1.4394	1.2868	1.1602	-----	-----	1.39	3.42	0.996	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.1-Dichloroethene	1	0	Avg	0.8001	0.7049	0.8040	0.7597	0.7736	0.6930	0.6630	-----	-----	0.743	2.48	0.999	1.00	7.5	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.1996	0.1928	0.2136	0.1921	0.1935	0.1762	0.1655	-----	-----	0.191	2.74	0.999	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	0.6010	0.5623	0.6114	0.5950	0.5633	0.5119	0.4581	0.5815	-----	0.561	3.05	0.996	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethane	1	0	Avg	0.8463	0.8579	0.9021	0.8261	0.8261	0.7474	0.7181	-----	-----	0.818	3.37	0.999	1.00	7.8	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
trans-1.2-Dichloroether	1	0	Avg	0.3820	0.3769	0.3954	0.3656	0.3651	0.3222	0.2977	-----	-----	0.358	3.05	0.997	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
cis-1.2-Dichloroethene	1	0	Avg	0.8251	0.7975	0.8445	0.7935	0.7867	0.6921	0.6396	-----	-----	0.768	3.84	0.997	1.00	9.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.3800	0.4105	0.4115	0.3681	0.3508	0.3241	0.2780	-----	-----	0.360	4.00	0.993	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2.2-Dichloropropane	1	0	Avg	0.5290	0.5026	0.5591	0.5289	0.5306	0.4822	0.4598	-----	-----	0.513	3.85	0.999	1.00	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.4-Dioxane	1	0	Avg	0.0021	0.0018	0.0020	0.0020	0.0019	0.0018	0.0016	-----	-----	0.00194	5.05	0.996	1.00	9.3		1000.	250.0	500.0	2500.	5000.	1250	2500		
1.1-Dichloropropene	1	0	Avg	0.6825	0.6114	0.6512	0.6342	0.6267	0.5175	0.4627	-----	-----	0.598	4.32	0.994	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.7572	0.7397	0.8018	0.7095	0.6982	0.6165	0.5899	-----	-----	0.702	4.06	0.999	1.00	11	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dibromofluoromethane	1	0	Avg	0.2721	0.2695	0.2710	0.2580	0.2590	0.2520	0.2611	0.2921	0.2845	0.269	4.17	-1	-1	4.9		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.8291	0.7045	0.7747	0.8236	0.8509	0.7449	0.6971	-----	-----	0.775	4.26	0.998	1.00	8.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dichloroethane-d4	1	0	Avg	0.0508	0.0523	0.0466	0.0482	0.0484	0.0503	0.0535	0.0568	0.0524	0.0511	4.40	-1	-1	6.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.6083	0.6323	0.6689	0.5616	0.5342	0.4498	0.3967	-----	-----	0.550	4.45	0.994	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	Avg	0.1227	0.1277	0.1315	0.1155	0.1200	0.1069	0.0964	-----	-----	0.117	3.84	0.996	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.1.1-Trichloroethane	1	0	Avg	0.6315	0.5860	0.6039	0.5861	0.5947	0.5187	0.4923	-----	-----	0.573	4.21	0.998	1.00	8.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Avg	0.5612	0.5083	0.5621	0.5033	0.5043	0.4261	0.3871	-----	-----	0.493	4.33	0.996	0.999	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	1.3205	1.2508	1.3955	1.3222	1.2779	1.1633	1.0695	-----	-----	1.26	3.42	0.998	1.00	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromodichloromethane	1	0	Avg	0.5948	0.5970	0.6338	0.5733	0.5571	0.4976	0.4706	-----	-----	0.561	5.14	0.999	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Methylcyclohexane	1	0	Avg	0.6884	0.6070	0.6357	0.6896	0.7026	0.5877	0.5151	-----	-----	0.632	4.98	0.993	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dibromomethane	1	0	Avg	0.2344	0.2420	0.2488	0.2294	0.2150	0.1892	0.1770	-----	-----	0.219	5.05	0.998	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dichloropropane	1	0	Avg	0.4593	0.4498	0.4837	0.4313	0.4158	0.3534	0.3089	-----	-----	0.415	4.98	0.993	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Trichloroethene	1	0	Avg	0.4270	0.3925	0.4552	0.4159	0.4064	0.3475	0.3224	-----	-----	0.395	4.84	0.997	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		

Flags

a - failed the spcc criteria * - ccc compound*

b - failed the ccc criteria ** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.8

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0097

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M51537.	CAL @ 20 PPB	11/30/09 10:14	2	1M51539.	CAL @ 5 PPB	11/30/09 10:46
3	1M51538.	CAL @ 10 PPB	11/30/09 10:30	4	1M51536.	CAL @ 50 PPB	11/30/09 09:58
5	1M51535.	CAL @ 100 PPB	11/30/09 09:42	6	1M51534.	CAL @ 250 PPB	11/30/09 09:26
7	1M51533.	CAL @ 500 PPB	11/30/09 09:10	8	1M51542.	CAL @ 1 PPB	11/30/09 11:35
9	1M51541.	CAL @ 0.5 PPB	11/30/09 11:19				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Benzene	1	0	LinF	1.5812	1.6546	1.7059	1.4883	1.4268	1.1955	1.0518	2.0060	-----	1.51	4.45	0.993	0.999	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	0.5431	0.5107	0.6065	0.5524	0.5367	0.4894	0.4504	-----	-----	0.527	4.51	0.998	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Dibromochloromethane	1	0	Avg	0.4680	0.4221	0.4834	0.4556	0.4191	0.4005	0.3741	-----	-----	0.432	6.09	0.999	1.00	9.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylether	1	0	Avg	0.2202	0.1612	0.2156	0.2311	0.2353	0.2284	0.2133	-----	-----	0.215	5.30	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
cis-1.3-Dichloropropene	1	0	Avg	0.7941	0.7258	0.8124	0.8362	0.8171	0.7701	0.7137	-----	-----	0.781	5.40	0.998	1.00	6.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
trans-1.3-Dichloropropene	1	0	Avg	0.6537	0.6272	0.6619	0.6838	0.6636	0.6430	0.5889	-----	-----	0.646	5.73	0.998	1.00	4.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.1.2-Trichloroethane	1	0	Avg	0.3538	0.3855	0.4071	0.3363	0.3149	0.2971	0.2670	-----	-----	0.337	5.85	0.997	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dibromoethane	1	0	Avg	0.3574	0.3514	0.3850	0.3534	0.3289	0.3151	0.2888	-----	-----	0.340	6.17	0.998	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.3-Dichloropropane	1	0	Avg	0.6774	0.6759	0.7423	0.6695	0.6126	0.5392	0.4603	-----	-----	0.625	5.95	0.992	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.3348	0.2841	0.3377	0.3318	0.3301	0.3192	0.2926	-----	-----	0.319	5.49	0.998	1.00	6.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.2114	0.2064	0.2080	0.2339	0.2259	0.2172	0.1884	-----	-----	0.213	5.98	0.994	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.5034	0.5162	0.5300	0.5065	0.4618	0.4041	0.3361	-----	-----	0.465	5.97	0.989	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Toluene-d8	1	0	Avg	0.8902	0.9060	0.8510	0.9408	0.8895	0.9051	0.9041	0.8460	0.8437	0.886	5.58	-1	-1	3.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.2941	1.3212	1.4190	1.2731	1.1879	1.0607	-----	1.7078	-----	1.32	5.62	0.997	1.00	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.1.1.2-Tetrachloroetha	1	0	Avg	0.4423	0.4473	0.4592	0.4513	0.4050	0.3633	0.3140	-----	-----	0.412	6.51	0.993	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	Avg	1.3363	1.4262	1.4528	1.3070	1.1970	1.0828	0.9580	-----	-----	1.25	6.47	0.995	1.00	15	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromoform	1	0	Avg	0.5197	0.4905	0.5524	0.5155	0.5021	0.4784	0.4986	-----	-----	0.508	6.96	1.00	1.00	4.7	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	0.9632	0.8939	1.0311	0.9755	0.9604	0.7502	0.6359	0.9989	-----	0.901	6.52	0.987	0.998	15	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2.2-Tetrachloroetha	1	0	Avg	0.7091	0.7280	0.7474	0.6639	0.6377	0.6118	0.6101	-----	-----	0.673	7.21	1.00	1.00	8.3	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.8251	0.7967	0.8039	0.8439	0.8509	0.9006	0.9783	0.8197	0.8028	0.847	7.15	-1	-1	7.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.5421	2.2459	2.4630	2.4832	2.3578	1.9698	1.7006	-----	-----	2.25	6.83	0.991	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
m&p-Xylenes	1	0	Avg	1.5936	1.4934	1.6675	1.5347	1.4273	1.1367	-----	1.6573	1.3994	1.49	6.59	0.988	1.00	12		40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	1.5528	1.5143	1.5632	1.4894	1.4163	1.1861	1.0272	1.4969	-----	1.41	6.83	0.992	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.4-Dichloro-2-bu	1	0	Avg	0.2947	0.2463	0.3077	0.2880	0.2728	0.2645	0.2569	-----	-----	0.276	7.24	1.00	1.00	8.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.3-Dichlorobenzene	1	0	LinF	1.9534	1.9371	1.9654	1.8452	1.6680	1.4667	1.2385	-----	-----	1.72	7.84	0.991	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.4-Dichlorobenzene	1	0	Avg	1.8713	1.9517	1.9713	1.7398	1.7194	1.4942	1.3679	-----	-----	1.73	7.89	0.997	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dichlorobenzene	1	0	Avg	1.6686	1.7134	1.6577	1.5842	1.5236	1.3728	1.2232	-----	-----	1.53	8.13	0.996	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	4.2101	3.5178	4.0639	4.1639	4.0426	3.5309	3.2342	3.2888	-----	3.76	7.05	0.997	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0185	0.0141	0.0193	0.0183	0.0195	0.0186	0.0182	-----	-----	0.0181	7.12	1.00	1.00	10		100.0	25.00	50.00	250.0	500.0	1250.	2500.		
1.2.3-Trichloropropane	1	0	Avg	0.9670	0.9924	1.0531	0.8970	0.9096	0.8270	0.7813	-----	-----	0.918	7.25	0.999	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Avg	2.7305	2.4528	2.8472	2.5034	2.4043	1.8120	-----	-----	-----	2.46	7.36	0.983	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0			
p-Ethyltoluene	1	0	Qua	5.3218	5.1408	5.4738	5.1817	4.0750	4.0602	3.2735	-----	-----	4.65	7.36	0.987	0.999	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
4-Chlorotoluene	1	0	Avg	2.6494	2.7128	2.6056	2.4992	2.3097	2.1285	1.8931	-----	-----	2.40	7.43	0.996	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Avg	5.3906	4.6163	5.1856	5.1669	5.0239	4.3630	3.9275	4.2029	-----	4.73	7.30	0.995	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	2.5663	2.5042	2.5944	2.4489	2.4029	2.1751	2.0810	-----	-----	2.40	7.26	0.999	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.3.5-Trimethylbenzene	1	0	Qua	2.8697	3.5313	2.6645	2.6294	3.3773	2.1792	2.0472	2.3788	-----	2.71	7.39	0.985	0.991	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	3.3401	2.9778	3.2021	3.2450	3.1324	2.7654	2.4562	2.3158	-----	2.93	7.61	0.995	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzene	1	0	Avg	3.6486	3.3951	3.5946	3.5356	3.3865	2.9458	2.5611	2.8860	-----	3.24	7.64	0.993	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	4.5330	3.7029	4.3084	4.4021	4.2716	3.8426	3.3359	3.1417	-----	3.94	7.75	0.994	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	3.5595	2.9622	3.3804	3.4930	3.3401	2.8378	-----	2.2408	-----	3.12	7.83	0.994	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	Avg	4.7843	4.2026	4.4079	4.5476	4.4723	3.8377	3.2896	3.2208	-----	4.10	8.08	0.991	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 10.8

Flags

a - failed the spcc criteria * *- ccc compound*

b - failed the ccc criteria ** *- spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0098

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M51537.	CAL @ 20 PPB	11/30/09 10:14	2	1M51539.	CAL @ 5 PPB	11/30/09 10:46
3	1M51538.	CAL @ 10 PPB	11/30/09 10:30	4	1M51536.	CAL @ 50 PPB	11/30/09 09:58
5	1M51535.	CAL @ 100 PPB	11/30/09 09:42	6	1M51534.	CAL @ 250 PPB	11/30/09 09:26
7	1M51533.	CAL @ 500 PPB	11/30/09 09:10	8	1M51542.	CAL @ 1 PPB	11/30/09 11:35
9	1M51541.	CAL @ 0.5 PPB	11/30/09 11:19				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Diethylbenzene	1	0	Avg	2.3449	1.7838	2.1115	2.2978	2.2572	1.9576	1.6363	-----	-----	2.06	8.06	0.989	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2.4.5-Tetramethylber	1	0	Avg	3.4408	2.4745	2.9748	3.4881	3.2108	3.0302	2.6059	-----	-----	3.03	8.57	0.993	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2-Dibromo-3-Chloropr	1	0	Avg	0.1186	0.1239	0.1378	0.1177	0.1118	0.1102	0.1038	-----	-----	0.118	8.63	0.999	1.00	9.4	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Hexachlorobutadiene	1	0	Avg	1.0913	0.9381	1.0165	1.0560	1.0467	0.9170	0.8325	-----	-----	0.985	9.28	0.996	1.00	9.4	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2.4-Trichlorobenzene	1	0	Avg	1.1585	0.9920	1.0515	1.1133	1.1282	1.0075	0.9840	-----	-----	1.06	9.18	0.999	1.00	6.7	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
1.2.3-Trichlorobenzene	1	0	Avg	1.0617	1.0391	0.9769	1.0017	0.9954	0.8648	0.7944	-----	-----	0.962	9.50	0.997	1.00	10	20.00	5.00	10.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	Avg	1.5209	1.2393	1.3801	1.5415	1.5627	1.3917	1.2719	1.5053	-----	1.43	9.35	0.997	1.00	8.8	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.8
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB
Data File: 1M51537.D
Acq On : 11/30/09 10:14

Operator : WP
Sam Mult : 1 Vial# : 14
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:44
Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	115088	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	87032	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.877	152	48413	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.171	111	31319	29.82	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.40%		
32) 1,2-Dichloroethane-d4	4.398	102	5853	29.67	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.90%		
56) Toluene-d8	5.580	100	77483	29.27	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.57%		
64) Bromofluorobenzene	7.148	174	39950	28.79	ug/l	0.00
Spiked Amount 30.000			Recovery =	95.97%		
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.377	51	57055	20.35	ug/l	1
3) Dichlorodifluoromethane	1.377	85	38694	29.87	ug/l	98
4) Chloromethane	1.511	50	34742	21.75	ug/l	95
5) Bromomethane	1.829	94	16284	23.72	ug/l	99
6) Vinyl Chloride	1.578	62	27313	23.33	ug/l	97
7) Chloroethane	1.896	64	15546	22.20	ug/l	94
8) Trichlorofluoromethane	2.097	101	53349	22.34	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.476	101	25718	20.57	ug/l	91
10) Methylene Chloride	2.821	84	30783	22.27	ug/l	88
11) Acrolein	2.387	56	10482	107.58	ug/l	94
12) Acrylonitrile	2.998	53	7140	22.01	ug/l	99
13) Iodomethane	2.594	142	41592	21.30	ug/l	77
14) Acetone	2.496	43	27960	104.44	ug/l	98
15) Carbon Disulfide	2.653	76	96179	21.97	ug/l	100
16) t-Butyl Alcohol	2.890	59	4141	99.18	ug/l	57
17) n-Hexane	3.264	57	42224	20.98	ug/l	90
18) Di-isopropyl-ether	3.422	45	115995	22.81	ug/l	83
19) 1,1-Dichloroethene	2.476	61	61392	22.46	ug/l	93
20) Methyl Acetate	2.742	43	15318	17.62	ug/l	100
21) Methyl-t-butyl ether	3.048	73	46115	22.55	ug/l	73
22) 1,1-Dichloroethane	3.373	63	64938	22.62	ug/l	97
23) trans-1,2-Dichloroethene	3.048	96	29312	22.58	ug/l	82
24) cis-1,2-Dichloroethene	3.836	61	63311	23.69	ug/l	89
25) Bromochloromethane	4.013	49	29160	21.55	ug/l	81
26) 2,2-Dichloropropane	3.846	77	40594	22.87	ug/l	93
27) 1,4-Dioxane	5.058	88	8351	1097.78	ug/l	82
28) 1,1-Dichloropropene	4.319	75	52367	23.55	ug/l	98
29) Chloroform	4.063	83	58099	23.08	ug/l	99
31) Cyclohexane	4.260	56	63616	22.30	ug/l	89
33) 1,2-Dichloroethane	4.447	62	46677	22.55	ug/l	99
34) 2-Butanone	3.836	43	9415	21.32	ug/l	87
35) 1,1,1-Trichloroethane	4.210	97	48454	23.78	ug/l	99
36) Carbon Tetrachloride	4.329	117	43061	23.02	ug/l	97
37) Vinyl Acetate	3.422	43	101320	25.50	ug/l	100
38) Bromodichloromethane	5.137	83	45636	22.67	ug/l	96
39) Methylcyclohexane	4.979	83	52822	22.55	ug/l	83
40) Dibromomethane	5.048	174	17986	22.58	ug/l	94
41) 1,2-Dichloropropane	4.979	63	35243	22.79	ug/l	84
42) Trichloroethene	4.841	130	32768	23.00	ug/l	83
43) Benzene	4.447	78	121321	21.73	ug/l	100
44) tert-Amyl methyl ether	4.506	73	41675	21.92	ug/l	97
46) Dibromochloromethane	6.093	129	27157	21.24	ug/l	100
47) 2-Chloroethylvinylether	5.304	63	12777	20.17	ug/l	87
48) cis-1,3-Dichloropropene	5.403	75	46076	20.38	ug/l	99
49) trans-1,3-Dichloropropene	5.728	75	37930	20.52	ug/l	94
50) 1,1,2-Trichloroethane	5.847	97	20531	21.35	ug/l	96
51) 1,2-Dibromoethane	6.172	107	20739	20.57	ug/l	98
52) 1,3-Dichloropropane	5.945	76	39309	20.83	ug/l	95
53) 4-Methyl-2-Pentanone	5.482	43	19429	20.46	ug/l	99
54) 2-Hexanone	5.975	43	12268	19.86	ug/l	95
55) Tetrachloroethene	5.965	164	29208	20.99	ug/l	91
57) Toluene	5.620	92	75088	19.53	ug/l	95
58) 1,1,1,2-Tetrachloroethane	6.507	133	25667	20.31	ug/l	95
59) Chlorobenzene	6.467	112	77536	21.92	ug/l	97
61) Bromoform	6.960	173	16776	19.20	ug/l	99
62) Ethylbenzene	6.517	106	31088	19.36	ug/l	85
63) 1,1,2,2-Tetrachloroethane	7.207	83	22887	20.17	ug/l	87
65) Styrene	6.832	104	82047	21.24	ug/l	89
66) m&p-Xylenes	6.586	106	102869	41.74	ug/l	87

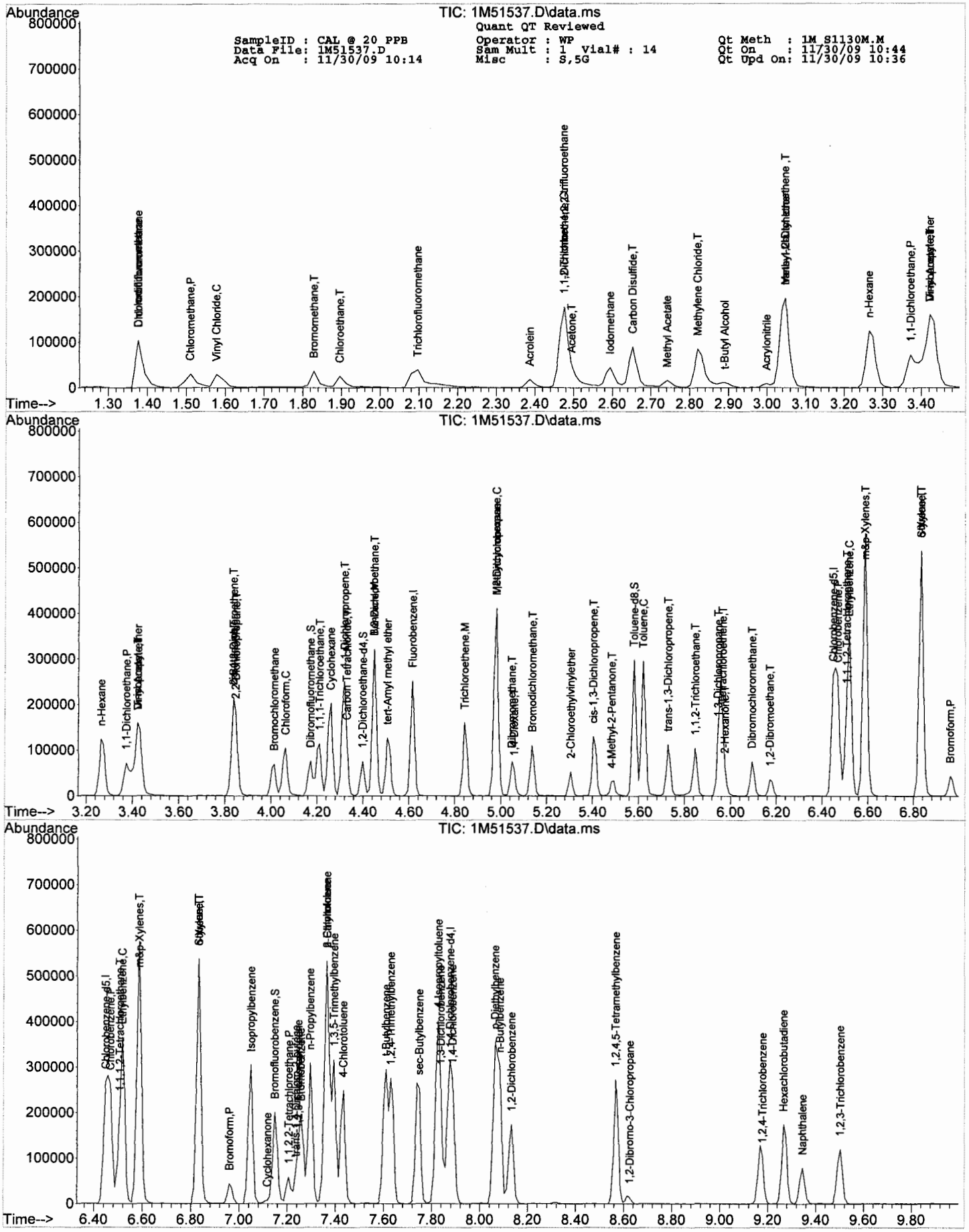
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51537.D Sam Mult : 1 Vial# : 14 Qt On : 11/30/09 10:44
Acq On : 11/30/09 10:14 Misc : S,5G Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.832	106	50118	21.67 ug/l	84
68) trans-1,4-Dichloro-2-b...	7.236	53	9514	20.26 ug/l	70
69) 1,3-Dichlorobenzene	7.837	146	63047	22.02 ug/l	90
70) 1,4-Dichlorobenzene	7.887	146	60399	21.67 ug/l	86
71) 1,2-Dichlorobenzene	8.133	146	53857	21.65 ug/l	92
72) Isopropylbenzene	7.049	105	135884	22.95 ug/l	97
73) Cyclohexanone	7.118	55	2993	90.70 ug/l #	74
74) 1,2,3-Trichloropropane	7.246	75	31211	20.45 ug/l	91
75) 2-Chlorotoluene	7.364	91	88128	23.66 ug/l	94
76) p-Ethyltoluene	7.364	105	171765	24.22 ug/l	97
77) 4-Chlorotoluene	7.433	91	85512	22.20 ug/l	98
78) n-Propylbenzene	7.295	91	173984	23.34 ug/l	99
79) Bromobenzene	7.256	77	82831	21.56 ug/l	84
80) 1,3,5-Trimethylbenzene	7.394	105	92623m	19.22 ug/l	
81) t-Butylbenzene	7.611	119	107804	22.65 ug/l	86
82) 1,2,4-Trimethylbenzene	7.630	105	117761	22.29 ug/l	94
83) sec-Butylbenzene	7.749	105	146306	23.32 ug/l	97
84) 4-Isopropyltoluene	7.828	119	114884	23.26 ug/l	93
85) n-Butylbenzene	8.084	91	154415	23.23 ug/l	97
86) p-Diethylbenzene	8.064	119	75684	21.14 ug/l	97
87) 1,2,4,5-Tetramethylben...	8.567	119	111055	21.30 ug/l	97
88) 1,2-Dibromo-3-Chloropr...	8.626	157	3828	19.23 ug/l	60
89) Hexachlorobutadiene	9.267	225	35222	21.59 ug/l	95
90) 1,2,4-Trichlorobenzene	9.178	180	37391	20.75 ug/l	98
91) 1,2,3-Trichlorobenzene	9.503	180	34269	20.29 ug/l	94
92) Naphthalene	9.345	128	49088	19.31 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 1M51537.D
Acq On : 11/30/09 10:14
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:44
Qt Upd On: 11/30/09 10:36
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
TIC: 1M51537.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
TIC: 1M51537.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
sec-Butylbenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB
Data File: 1M51539.D
Acq On : 11/30/09 10:46

Operator : WP
Sam Mult : 1 Vial# : 16
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 11:00
Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	109369	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	81771	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.877	152	47083	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.171	111	29476	29.54	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.47%			
32) 1,2-Dichloroethane-d4	4.398	102	5720	30.51	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.70%			
56) Toluene-d8	5.581	100	74088	29.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.30%			
64) Bromofluorobenzene	7.148	174	37513	27.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.67%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.378	51	14423	5.41	ug/l	1
3) Dichlorodifluoromethane	1.378	85	8191	6.65	ug/l	90
4) Chloromethane	1.496	50	9826	6.47	ug/l	99
5) Bromomethane	1.831	94	4043	6.20	ug/l	86
6) Vinyl Chloride	1.579	62	7067	6.35	ug/l	93
7) Chloroethane	1.898	64	4699	7.06	ug/l	88
8) Trichlorofluoromethane	2.082	101	12813	5.65	ug/l	87
9) 1,1,2-Trichloro-1,2,2-...	2.476	101	6153	5.18	ug/l	88
10) Methylene Chloride	2.821	84	7490	5.70	ug/l	82
11) Acrolein	2.388	56	2314	24.99	ug/l	90
12) Acrylonitrile	3.009	53	1333	4.32	ug/l	94
13) Iodomethane	2.595	142	9719	5.24	ug/l	69
14) Acetone	2.496	43	6712	26.38	ug/l	91
15) Carbon Disulfide	2.654	76	22594	5.43	ug/l	100
16) t-Butyl Alcohol	2.890	59	772m	19.46	ug/l	
17) n-Hexane	3.265	57	8431	4.41	ug/l	97
18) Di-isopropyl-ether	3.422	45	23930	4.95	ug/l	90
19) 1,1-Dichloroethene	2.476	61	12850	4.95	ug/l	96
20) Methyl Acetate	2.742	43	3516	4.26	ug/l	100
21) Methyl-t-butyl ether	3.048	73	10250	5.27	ug/l	71
22) 1,1-Dichloroethane	3.373	63	15639	5.73	ug/l	91
23) trans-1,2-Dichloroethene	3.048	96	6871	5.57	ug/l	88
24) cis-1,2-Dichloroethene	3.836	61	14537	5.72	ug/l	86
25) Bromochloromethane	4.004	49	7484	5.82	ug/l	61
26) 2,2-Dichloropropane	3.846	77	9163	5.43	ug/l	82
27) 1,4-Dioxane	5.049	88	1647	227.83	ug/l	67
28) 1,1-Dichloropropene	4.319	75	11146	5.28	ug/l	99
29) Chloroform	4.063	83	13485	5.64	ug/l	100
31) Cyclohexane	4.260	56	12842	4.74	ug/l	82
33) 1,2-Dichloroethane	4.447	62	11527	5.86	ug/l	93
34) 2-Butanone	3.836	43	2328	5.55	ug/l	90
35) 1,1,1-Trichloroethane	4.211	97	10683	5.52	ug/l	98
36) Carbon Tetrachloride	4.329	117	9267	5.21	ug/l	95
37) Vinyl Acetate	3.422	43	22801	6.04	ug/l	100
38) Bromodichloromethane	5.137	83	10883	5.69	ug/l	97
39) Methylcyclohexane	4.980	83	11066	4.97	ug/l	79
40) Dibromomethane	5.049	174	4412	5.83	ug/l	93
41) 1,2-Dichloropropane	4.980	63	8200	5.58	ug/l	93
42) Trichloroethene	4.842	130	7155	5.28	ug/l	81
43) Benzene	4.447	78	30162	5.69	ug/l	100
44) tert-Amyl methyl ether	4.507	73	9310	5.15	ug/l	89
46) Dibromochloromethane	6.093	129	5753	4.79	ug/l	100
47) 2-Chloroethylvinylether	5.305	63	2198	3.69	ug/l	99
48) cis-1,3-Dichloropropene	5.403	75	9892	4.66	ug/l	95
49) trans-1,3-Dichloropropene	5.729	75	8548	4.92	ug/l	96
50) 1,1,2-Trichloroethane	5.847	97	5254	5.82	ug/l	91
51) 1,2-Dibromoethane	6.172	107	4789	5.05	ug/l	87
52) 1,3-Dichloropropane	5.946	76	9212	5.20	ug/l	87
53) 4-Methyl-2-Pentanone	5.492	43	3873	4.34	ug/l	94
54) 2-Hexanone	5.985	43	2814	4.85	ug/l	78
55) Tetrachloroethene	5.965	164	7035	5.38	ug/l	95
57) Toluene	5.620	92	18007	4.99	ug/l	95
58) 1,1,1,2-Tetrachloroethane	6.507	133	6096	5.13	ug/l	89
59) Chlorobenzene	6.468	112	19437	5.85	ug/l	97
61) Bromoform	6.961	173	3849	4.53	ug/l	89
62) Ethylbenzene	6.517	106	7015	4.49	ug/l	94
63) 1,1,2,2-Tetrachloroethane	7.207	83	5713	5.18	ug/l	92
65) Styrene	6.833	104	17624	4.69	ug/l	85
66) m&p-Xylenes	6.586	106	23439	9.78	ug/l	95

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB
Data File: 1M51539.D
Acq On : 11/30/09 10:46

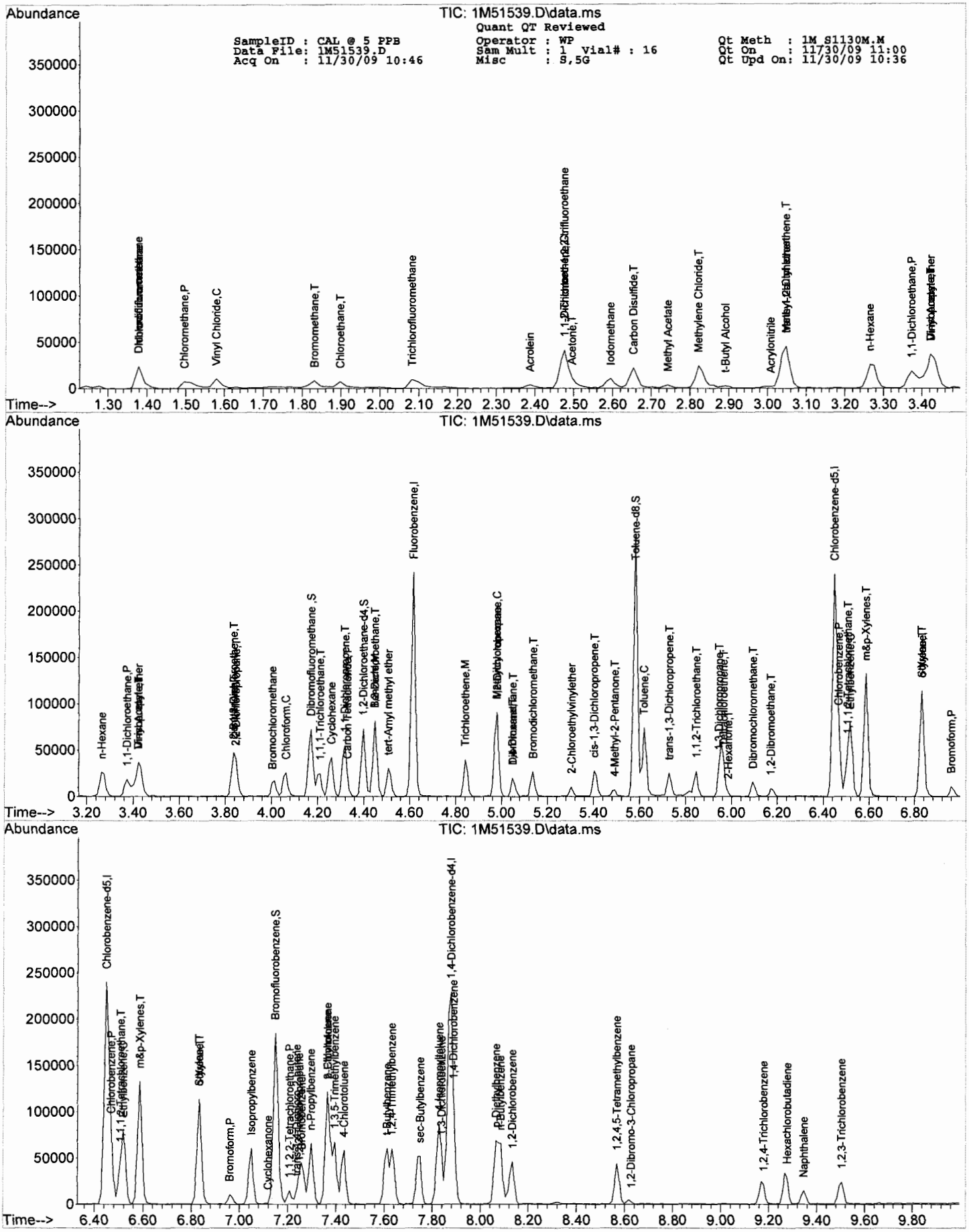
Operator : WP
Sam Mult : 1 Vial# : 16
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 11:00
Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.833	106	11883	5.28 ug/l	87
68) trans-1,4-Dichloro-2-b...	7.237	53	1933	4.23 ug/l #	92
69) 1,3-Dichlorobenzene	7.838	146	15201	5.46 ug/l	88
70) 1,4-Dichlorobenzene	7.887	146	15316m	5.65 ug/l	
71) 1,2-Dichlorobenzene	8.133	146	13446	5.56 ug/l	89
72) Isopropylbenzene	7.049	105	27605	4.79 ug/l	92
73) Cyclohexanone	7.118	55	556m	17.33 ug/l	
74) 1,2,3-Trichloropropane	7.246	75	7788	5.25 ug/l #	72
75) 2-Chlorotoluene	7.365	91	19248	5.31 ug/l	91
76) p-Ethyltoluene	7.365	105	40341m	5.85 ug/l	
77) 4-Chlorotoluene	7.434	91	21288	5.68 ug/l	95
78) n-Propylbenzene	7.296	91	36225	5.00 ug/l	100
79) Bromobenzene	7.256	77	19651	5.26 ug/l	83
80) 1,3,5-Trimethylbenzene	7.394	105	20458m	4.37 ug/l	
81) t-Butylbenzene	7.611	119	23368	5.05 ug/l	87
82) 1,2,4-Trimethylbenzene	7.631	105	26642	5.19 ug/l	93
83) sec-Butylbenzene	7.749	105	29058	4.76 ug/l	94
84) 4-Isopropyltoluene	7.828	119	23245	4.84 ug/l	91
85) n-Butylbenzene	8.084	91	32979	5.10 ug/l	93
86) p-Diethylbenzene	8.065	119	13998	4.02 ug/l	95
87) 1,2,4,5-Tetramethylben...	8.567	119	19418	3.83 ug/l	100
88) 1,2-Dibromo-3-Chloropr...	8.626	157	973m	5.03 ug/l	
89) Hexachlorobutadiene	9.277	225	7362	4.64 ug/l	98
90) 1,2,4-Trichlorobenzene	9.178	180	7785	4.44 ug/l	98
91) 1,2,3-Trichlorobenzene	9.503	180	8154	4.97 ug/l	95
92) Naphthalene	9.346	128	9725	3.93 ug/l	100

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


Abundance
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Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 1M51539.D
Acq On : 11/30/09 10:46
Operator : WP
Sam Mult : 1 Vial# : 16
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11730/09 11:00
Qt Upd On: 11/30/09 10:36
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Abundance
TIC: 1M51539.D\data.ms
Time-->
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Abundance
TIC: 1M51539.D\data.ms
Time-->
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB
Data File: 1M51538.D
Acq On : 11/30/09 10:30

Operator : WP
Sam Mult : 1 Vial# : 15
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:45
Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	116353	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.449	117	87843	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.878	152	50365	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.172	111	31536	29.70	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.00%		
32) 1,2-Dichloroethane-d4	4.399	102	5433	27.24	ug/l	0.00
Spiked Amount 30.000			Recovery =	90.80%		
56) Toluene-d8	5.581	100	74754	27.98	ug/l	0.00
Spiked Amount 30.000			Recovery =	93.27%		
64) Bromofluorobenzene	7.148	174	40489	28.05	ug/l	0.00
Spiked Amount 30.000			Recovery =	93.50%		
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.376	51	28430	10.03	ug/l	1
3) Dichlorodifluoromethane	1.376	85	18954	14.47	ug/l	98
4) Chloromethane	1.511	50	18432	11.41	ug/l	99
5) Bromomethane	1.829	94	8908	12.83	ug/l	98
6) Vinyl Chloride	1.578	62	14514	12.26	ug/l	99
7) Chloroethane	1.896	64	9178	12.96	ug/l	96
8) Trichlorofluoromethane	2.097	101	26752	11.08	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.477	101	12868	10.18	ug/l	95
10) Methylene Chloride	2.822	84	17433	12.47	ug/l	84
11) Acrolein	2.388	56	5482	55.65	ug/l	99
12) Acrylonitrile	2.999	53	3820	11.65	ug/l	95
13) Iodomethane	2.595	142	21719	11.00	ug/l	75
14) Acetone	2.497	43	15932	58.87	ug/l	99
15) Carbon Disulfide	2.654	76	51055	11.53	ug/l	100
16) t-Butyl Alcohol	2.891	59	2459	58.25	ug/l	87
17) n-Hexane	3.265	57	19253	9.46	ug/l	95
18) Di-isopropyl-ether	3.423	45	61682	12.00	ug/l	91
19) 1,1-Dichloroethene	2.477	61	31185	11.29	ug/l	96
20) Methyl Acetate	2.743	43	8286	9.43	ug/l	100
21) Methyl-t-butyl ether	3.048	73	23715	11.47	ug/l	68
22) 1,1-Dichloroethane	3.374	63	34991	12.05	ug/l	94
23) trans-1,2-Dichloroethene	3.048	96	15337	11.68	ug/l	92
24) cis-1,2-Dichloroethene	3.837	61	32756	12.13	ug/l	89
25) Bromochloromethane	4.004	49	15961	11.67	ug/l	63
26) 2,2-Dichloropropane	3.847	77	21685	12.09	ug/l	94
27) 1,4-Dioxane	5.049	88	4039	525.17	ug/l	77
28) 1,1-Dichloropropene	4.310	75	25257	11.24	ug/l	98
29) Chloroform	4.064	83	31099	12.22	ug/l	91
31) Cyclohexane	4.261	56	30047	10.42	ug/l	88
33) 1,2-Dichloroethane	4.448	62	25944	12.40	ug/l	95
34) 2-Butanone	3.837	43	5100	11.42	ug/l	99
35) 1,1,1-Trichloroethane	4.211	97	23424	11.37	ug/l	97
36) Carbon Tetrachloride	4.320	117	21802	11.53	ug/l	84
37) Vinyl Acetate	3.423	43	54124	13.47	ug/l	100
38) Bromodichloromethane	5.138	83	24584	12.08	ug/l	91
39) Methylcyclohexane	4.980	83	24656	10.41	ug/l	82
40) Dibromomethane	5.049	174	9651	11.99	ug/l	91
41) 1,2-Dichloropropane	4.980	63	18761	12.00	ug/l	90
42) Trichloroethene	4.842	130	17656	12.26	ug/l	86
43) Benzene	4.448	78	66165	11.72	ug/l	100
44) tert-Amyl methyl ether	4.507	73	23523	12.24	ug/l	98
46) Dibromochloromethane	6.094	129	14155	10.97	ug/l	98
47) 2-Chloroethylvinylether	5.305	63	6315	9.88	ug/l	95
48) cis-1,3-Dichloropropene	5.404	75	23788	10.43	ug/l	96
49) trans-1,3-Dichloropropene	5.729	75	19383	10.39	ug/l	93
50) 1,1,2-Trichloroethane	5.847	97	11922	12.28	ug/l	95
51) 1,2-Dibromoethane	6.173	107	11274	11.08	ug/l	92
52) 1,3-Dichloropropane	5.946	76	21738	11.41	ug/l	98
53) 4-Methyl-2-Pentanone	5.483	43	9889	10.32	ug/l	95
54) 2-Hexanone	5.976	43	6091	9.77	ug/l	88
55) Tetrachloroethene	5.966	164	15519	11.05	ug/l	99
57) Toluene	5.621	92	41550	10.71	ug/l	96
58) 1,1,1,2-Tetrachloroethane	6.508	133	13448	10.54	ug/l	97
59) Chlorobenzene	6.468	112	42540	11.92	ug/l	97
61) Bromoform	6.961	173	9275	10.20	ug/l	100
62) Ethylbenzene	6.518	106	17312	10.36	ug/l	90
63) 1,1,2,2-Tetrachloroethane	7.208	83	12549	10.63	ug/l	82
65) Styrene	6.833	104	41350	10.29	ug/l	84
66) m&p-Xylenes	6.587	106	55991	21.84	ug/l	96

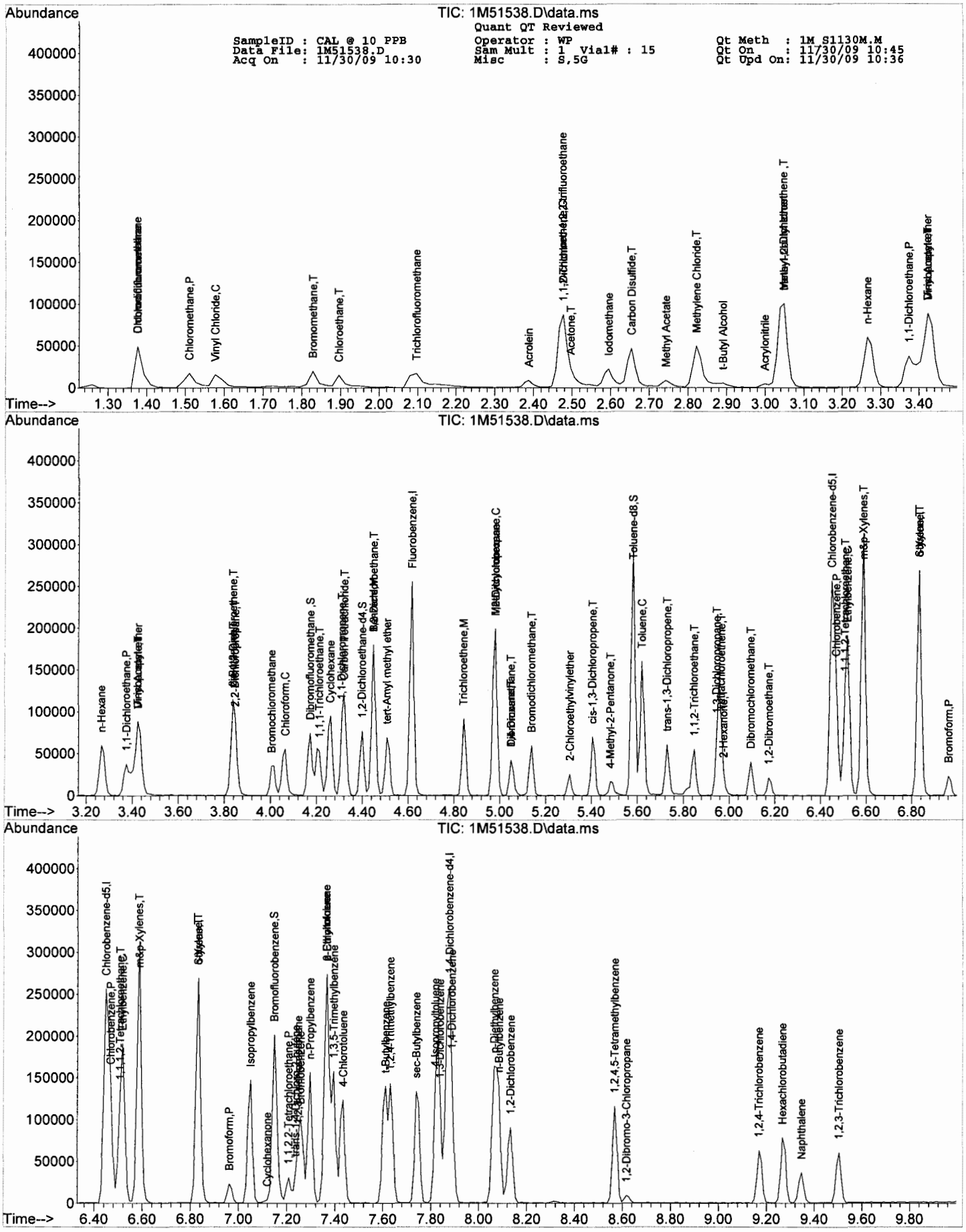
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51538.D Sam Mult : 1 Vial# : 15 Qt On : 11/30/09 10:45
Acq On : 11/30/09 10:30 Misc : S,5G Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.833	106	26244	10.91 ug/l	79
68) trans-1,4-Dichloro-2-b...	7.237	53	5167	10.57 ug/l	75
69) 1,3-Dichlorobenzene	7.838	146	32996	11.08 ug/l	89
70) 1,4-Dichlorobenzene	7.888	146	33096	11.41 ug/l	85
71) 1,2-Dichlorobenzene	8.134	146	27831	10.76 ug/l	92
72) Isopropylbenzene	7.050	105	68227	11.08 ug/l	96
73) Cyclohexanone	7.119	55	1627	47.39 ug/l #	73
74) 1,2,3-Trichloropropane	7.247	75	17680	11.14 ug/l	87
75) 2-Chlorotoluene	7.365	91	47800	12.34 ug/l	94
76) p-Ethyltoluene	7.365	105	91896m	12.46 ug/l	
77) 4-Chlorotoluene	7.434	91	43744	10.92 ug/l	97
78) n-Propylbenzene	7.296	91	87059	11.23 ug/l	99
79) Bromobenzene	7.257	77	43556	10.90 ug/l	86
80) 1,3,5-Trimethylbenzene	7.395	105	44733m	8.92 ug/l	
81) t-Butylbenzene	7.612	119	53759	10.86 ug/l	86
82) 1,2,4-Trimethylbenzene	7.631	105	60348	10.98 ug/l	94
83) sec-Butylbenzene	7.740	105	72332	11.08 ug/l	95
84) 4-Isopropyltoluene	7.819	119	56752	11.04 ug/l	92
85) n-Butylbenzene	8.085	91	74002	10.70 ug/l	96
86) p-Diethylbenzene	8.065	119	35450	9.52 ug/l	97
87) 1,2,4,5-Tetramethylben...	8.568	119	49942	9.21 ug/l	95
88) 1,2-Dibromo-3-Chloropr...	8.617	157	2315	11.18 ug/l	77
89) Hexachlorobutadiene	9.267	225	17066	10.06 ug/l	98
90) 1,2,4-Trichlorobenzene	9.169	180	17653	9.42 ug/l	95
91) 1,2,3-Trichlorobenzene	9.504	180	16402	9.34 ug/l	93
92) Naphthalene	9.346	128	23170	8.76 ug/l	100

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


Abundance
TIC: 1M51538.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 1M51538.D
Acq On : 11/30/09 10:30
Operator : WP
Sam Mult : 1 Vial# : 15
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:45
Qt Upd On: 11/30/09 10:36
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 1M51538.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane ,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Time-->

Abundance
TIC: 1M51538.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
n-Propylbenzene
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51536.D Sam Mult : 1 Vial# : 13 Qt On : 11/30/09 10:42
Acq On : 11/30/09 09:58 Misc : S,5G Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	111339	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	81836	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.877	152	45940	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.171	111	28730	28.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.27%			
32) 1,2-Dichloroethane-d4	4.398	102	5369	28.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.77%			
56) Toluene-d8	5.581	100	76994	30.93	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.10%			
64) Bromofluorobenzene	7.148	174	38770	29.44	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.13%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.381	51	135044	49.79	ug/l	1
3) Dichlorodifluoromethane	1.381	85	76405	60.97	ug/l	97
4) Chloromethane	1.498	50	93043	60.20	ug/l	96
5) Bromomethane	1.833	94	33801	50.89	ug/l	95
6) Vinyl Chloride	1.582	62	71971	63.54	ug/l	99
7) Chloroethane	1.900	64	35633	52.60	ug/l	93
8) Trichlorofluoromethane	2.085	101	115581	50.03	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.476	101	61042	50.46	ug/l	93
10) Methylene Chloride	2.821	84	71396	53.38	ug/l	92
11) Acrolein	2.387	56	25213	267.49	ug/l	96
12) Acrylonitrile	2.999	53	17092	54.45	ug/l	98
13) Iodomethane	2.594	142	97780	51.77	ug/l	75
14) Acetone	2.496	43	64084	247.44	ug/l	98
15) Carbon Disulfide	2.654	76	218216	51.52	ug/l	100
16) t-Butyl Alcohol	2.890	59	9973	246.89	ug/l	86
17) n-Hexane	3.265	57	106522	54.70	ug/l	90
18) Di-isopropyl-ether	3.422	45	270275	54.94	ug/l	86
19) 1,1-Dichloroethene	2.476	61	140974	53.32	ug/l	92
20) Methyl Acetate	2.742	43	35655	42.39	ug/l	100
21) Methyl-t-butyl ether	3.048	73	110419	55.82	ug/l	75
22) 1,1-Dichloroethane	3.373	63	153299	55.19	ug/l	99
23) trans-1,2-Dichloroethene	3.048	96	67855	54.03	ug/l	86
24) cis-1,2-Dichloroethene	3.836	61	147262	56.97	ug/l	90
25) Bromochloromethane	4.004	49	68313	52.18	ug/l	63
26) 2,2-Dichloropropane	3.846	77	98154	57.16	ug/l	93
27) 1,4-Dioxane	5.048	88	19003	2582.15	ug/l	72
28) 1,1-Dichloropropene	4.309	75	117689	54.72	ug/l	95
29) Chloroform	4.063	83	131660	54.06	ug/l	98
31) Cyclohexane	4.260	56	152838	55.38	ug/l	87
33) 1,2-Dichloroethane	4.447	62	104221	52.05	ug/l	99
34) 2-Butanone	3.836	43	21438	50.18	ug/l	93
35) 1,1,1-Trichloroethane	4.211	97	108763	55.17	ug/l	98
36) Carbon Tetrachloride	4.329	117	93397	51.61	ug/l	90
37) Vinyl Acetate	3.422	43	245366	63.84	ug/l	100
38) Bromodichloromethane	5.137	83	106391	54.63	ug/l	99
39) Methylcyclohexane	4.980	83	127968	56.48	ug/l	82
40) Dibromomethane	5.048	174	42581	55.27	ug/l	95
41) 1,2-Dichloropropane	4.980	63	80047	53.52	ug/l	90
42) Trichloroethene	4.842	130	77180	56.00	ug/l	86
43) Benzene	4.447	78	276188	51.14	ug/l	100
44) tert-Amyl methyl ether	4.506	73	102511	55.74	ug/l	96
46) Dibromochloromethane	6.093	129	62144	51.69	ug/l	98
47) 2-Chloroethylvinylether	5.305	63	31533	52.94	ug/l	92
48) cis-1,3-Dichloropropene	5.403	75	114058	53.66	ug/l	97
49) trans-1,3-Dichloropropene	5.729	75	93271	53.65	ug/l	93
50) 1,1,2-Trichloroethane	5.847	97	45875	50.73	ug/l	94
51) 1,2-Dibromoethane	6.172	107	48209	50.84	ug/l	96
52) 1,3-Dichloropropane	5.945	76	91315	51.47	ug/l	93
53) 4-Methyl-2-Pentanone	5.482	43	45265	50.69	ug/l	95
54) 2-Hexanone	5.975	43	31910	54.94	ug/l	94
55) Tetrachloroethene	5.965	164	69096	52.82	ug/l	96
57) Toluene	5.620	92	173646	48.04	ug/l	98
58) 1,1,1,2-Tetrachloroethane	6.507	133	61556	51.81	ug/l	98
59) Chlorobenzene	6.468	112	178270	53.60	ug/l	100
61) Bromoform	6.961	173	39477	47.61	ug/l	98
62) Ethylbenzene	6.517	106	74696	49.01	ug/l	91
63) 1,1,2,2-Tetrachloroethane	7.207	83	50835	47.21	ug/l	87
65) Styrene	6.832	104	190136	51.88	ug/l	86
66) m&p-Xylenes	6.586	106	235022	100.49	ug/l	93

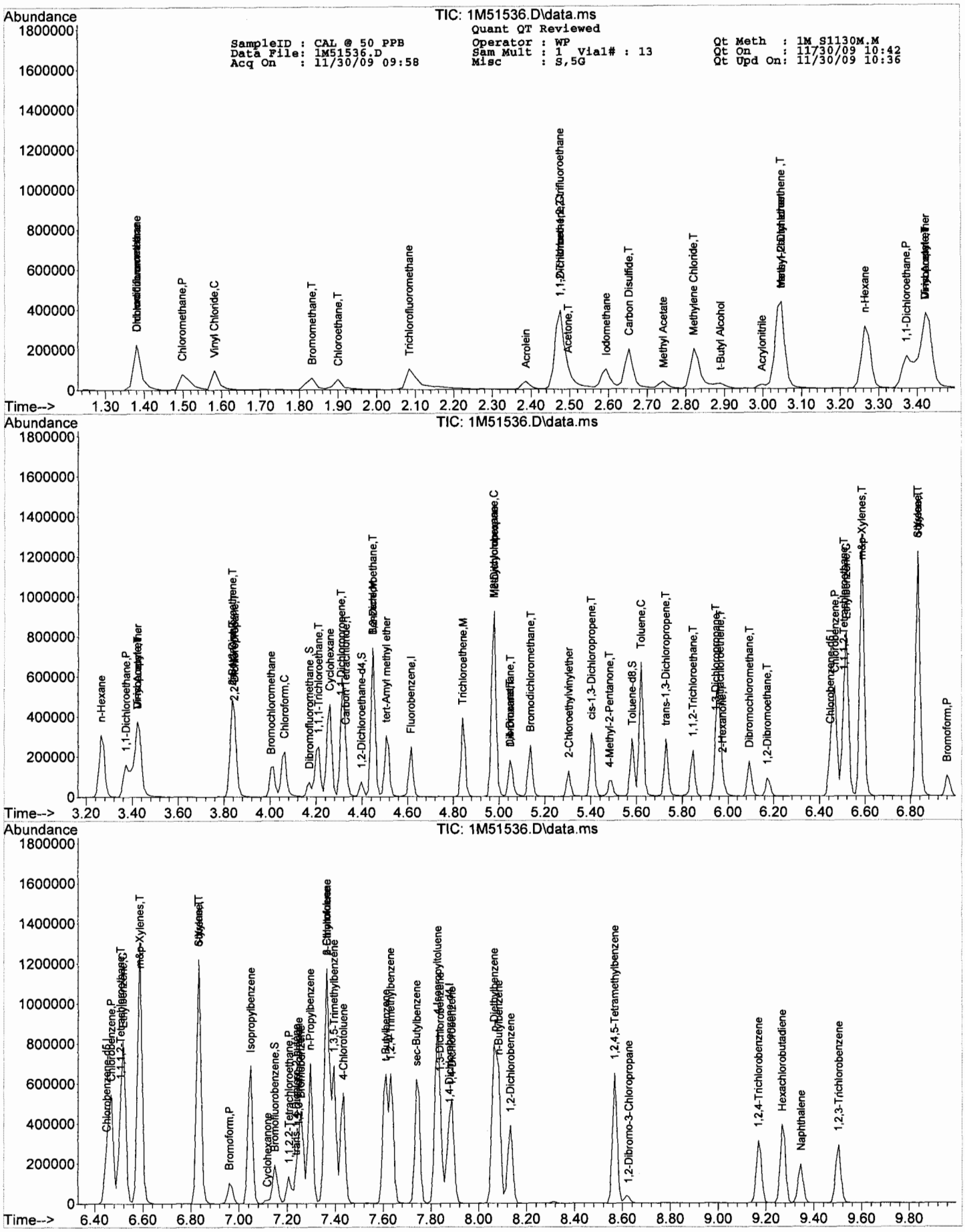
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M51536.D
Acq On : 11/30/09 09:58
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:42
Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) o-Xylene	6.832	106	114042	51.95	ug/l	81
68) trans-1,4-Dichloro-2-b...	7.236	53	22051	49.48	ug/l	65
69) 1,3-Dichlorobenzene	7.838	146	141287	51.99	ug/l	90
70) 1,4-Dichlorobenzene	7.887	146	133215	50.36	ug/l	89
71) 1,2-Dichlorobenzene	8.133	146	121300	51.39	ug/l	91
72) Isopropylbenzene	7.049	105	318817	56.75	ug/l	96
73) Cyclohexanone	7.118	55	7005	223.71	ug/l	90
74) 1,2,3-Trichloropropane	7.246	75	68682	47.43	ug/l	92
75) 2-Chlorotoluene	7.365	91	191680	54.23	ug/l	93
76) p-Ethyltoluene	7.365	105	396751m	58.96	ug/l	
77) 4-Chlorotoluene	7.434	91	191360	52.36	ug/l	96
78) n-Propylbenzene	7.296	91	395618	55.94	ug/l	100
79) Bromobenzene	7.256	77	187506	51.44	ug/l	83
80) 1,3,5-Trimethylbenzene	7.394	105	201327m	44.03	ug/l	
81) t-Butylbenzene	7.611	119	248466	55.02	ug/l	86
82) 1,2,4-Trimethylbenzene	7.631	105	270716	54.01	ug/l	95
83) sec-Butylbenzene	7.739	105	337058	56.63	ug/l	97
84) 4-Isopropyltoluene	7.828	119	267451	57.06	ug/l	92
85) n-Butylbenzene	8.084	91	348196	55.19	ug/l	98
86) p-Diethylbenzene	8.064	119	175937	51.80	ug/l	95
87) 1,2,4,5-Tetramethylben...	8.567	119	267077	53.99	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	8.626	157	9018	47.74	ug/l	75
89) Hexachlorobutadiene	9.267	225	80860	52.23	ug/l	98
90) 1,2,4-Trichlorobenzene	9.168	180	85244	49.85	ug/l	98
91) 1,2,3-Trichlorobenzene	9.503	180	76700	47.87	ug/l	94
92) Naphthalene	9.346	128	118029	48.93	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : CAL @ 50 PPB
Data File: 1M51536.D
Acq On : 11/30/09 09:58
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:42
Qt Upd On: 11/30/09 10:36
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
TIC: 1M51536.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
Carbon Tetrachloride,T
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
TIC: 1M51536.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
n-Propylbenzene
1,3,5-Trimethylbenzene
sec-Butylbenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB
Data File: 1M51535.D
Acq On : 11/30/09 09:42

Operator : WP
Sam Mult : 1 Vial# : 12
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:40
Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	110224	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.449	117	85005	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.868	152	45539	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.172	111	28551	28.39	ug/l	0.00
Spiked Amount 30.000			Recovery =	94.63%		
32) 1,2-Dichloroethane-d4	4.399	102	5337	28.25	ug/l	0.00
Spiked Amount 30.000			Recovery =	94.17%		
56) Toluene-d8	5.581	100	75619	29.24	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.47%		
64) Bromofluorobenzene	7.148	174	38751	29.69	ug/l	0.00
Spiked Amount 30.000			Recovery =	98.97%		
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.377	51	275825	102.73	ug/l	1
3) Dichlorodifluoromethane	1.377	85	175558	141.50	ug/l	98
4) Chloromethane	1.511	50	167413	109.41	ug/l	100
5) Bromomethane	1.829	94	68993	104.92	ug/l	100
6) Vinyl Chloride	1.578	62	136110	121.39	ug/l	100
7) Chloroethane	1.896	64	71471	106.57	ug/l	98
8) Trichlorofluoromethane	2.080	101	222284	97.19	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.467	101	123194	102.87	ug/l	92
10) Methylene Chloride	2.822	84	134810	101.82	ug/l	87
11) Acrolein	2.388	56	48570	520.49	ug/l	98
12) Acrylonitrile	2.999	53	26374	84.88	ug/l	94
13) Iodomethane	2.595	142	201769	107.91	ug/l	74
14) Acetone	2.496	43	123521	481.76	ug/l	98
15) Carbon Disulfide	2.654	76	436679	104.14	ug/l	100
16) t-Butyl Alcohol	2.891	59	19522	488.18	ug/l	85
17) n-Hexane	3.265	57	222189	115.25	ug/l	88
18) Di-isopropyl-ether	3.423	45	528881	108.60	ug/l	87
19) 1,1-Dichloroethene	2.477	61	284235	108.58	ug/l	94
20) Methyl Acetate	2.743	43	71096	85.38	ug/l	100
21) Methyl-t-butyl ether	3.038	73	206971	105.68	ug/l	73
22) 1,1-Dichloroethane	3.374	63	303539	110.38	ug/l	99
23) trans-1,2-Dichloroethene	3.048	96	134172	107.91	ug/l	78
24) cis-1,2-Dichloroethene	3.837	61	289078	112.96	ug/l	89
25) Bromochloromethane	4.004	49	128891	99.44	ug/l	64
26) 2,2-Dichloropropane	3.847	77	194982	114.71	ug/l	93
27) 1,4-Dioxane	5.049	88	35678	4897.00	ug/l	66
28) 1,1-Dichloropropene	4.310	75	230272	108.15	ug/l	98
29) Chloroform	4.063	83	256547	106.41	ug/l	100
31) Cyclohexane	4.261	56	312654	114.44	ug/l	87
33) 1,2-Dichloroethane	4.448	62	196298	99.02	ug/l	96
34) 2-Butanone	3.837	43	44100	104.26	ug/l	100
35) 1,1,1-Trichloroethane	4.211	97	218525	111.96	ug/l	97
36) Carbon Tetrachloride	4.320	117	185304	103.42	ug/l	88
37) Vinyl Acetate	3.423	43	469534	123.40	ug/l	100
38) Bromodichloromethane	5.138	83	204702	106.18	ug/l	96
39) Methylcyclohexane	4.980	83	258147	115.08	ug/l	82
40) Dibromomethane	5.049	174	79009	103.58	ug/l	93
41) 1,2-Dichloropropane	4.980	63	152775	103.17	ug/l	90
42) Trichloroethene	4.842	130	149323	109.44	ug/l	89
43) Benzene	4.448	78	524250	98.06	ug/l	100
44) tert-Amyl methyl ether	4.507	73	197193	108.31	ug/l	95
46) Dibromochloromethane	6.094	129	118760	95.09	ug/l	97
47) 2-Chloroethylvinylether	5.305	63	66695	107.80	ug/l	89
48) cis-1,3-Dichloropropene	5.404	75	231538	104.88	ug/l	98
49) trans-1,3-Dichloropropene	5.729	75	188052	104.14	ug/l	100
50) 1,1,2-Trichloroethane	5.847	97	89246	95.02	ug/l	96
51) 1,2-Dibromoethane	6.173	107	93205	94.63	ug/l	96
52) 1,3-Dichloropropane	5.946	76	173599	94.20	ug/l	96
53) 4-Methyl-2-Pentanone	5.483	43	93546	100.86	ug/l	97
54) 2-Hexanone	5.976	43	64022	106.12	ug/l	98
55) Tetrachloroethene	5.956	164	130864	96.31	ug/l	100
57) Toluene	5.621	92	336600	89.66	ug/l	97
58) 1,1,1,2-Tetrachloroethane	6.508	133	114782	93.01	ug/l	98
59) Chlorobenzene	6.468	112	339190	98.18	ug/l	99
61) Bromoform	6.961	173	76218	92.72	ug/l	99
62) Ethylbenzene	6.518	106	145792	96.50	ug/l	90
63) 1,1,2,2-Tetrachloroethane	7.207	83	96803	90.69	ug/l	91
65) Styrene	6.833	104	357906	98.51	ug/l	86
66) m&p-Xylenes	6.587	106	433330	186.92	ug/l	92

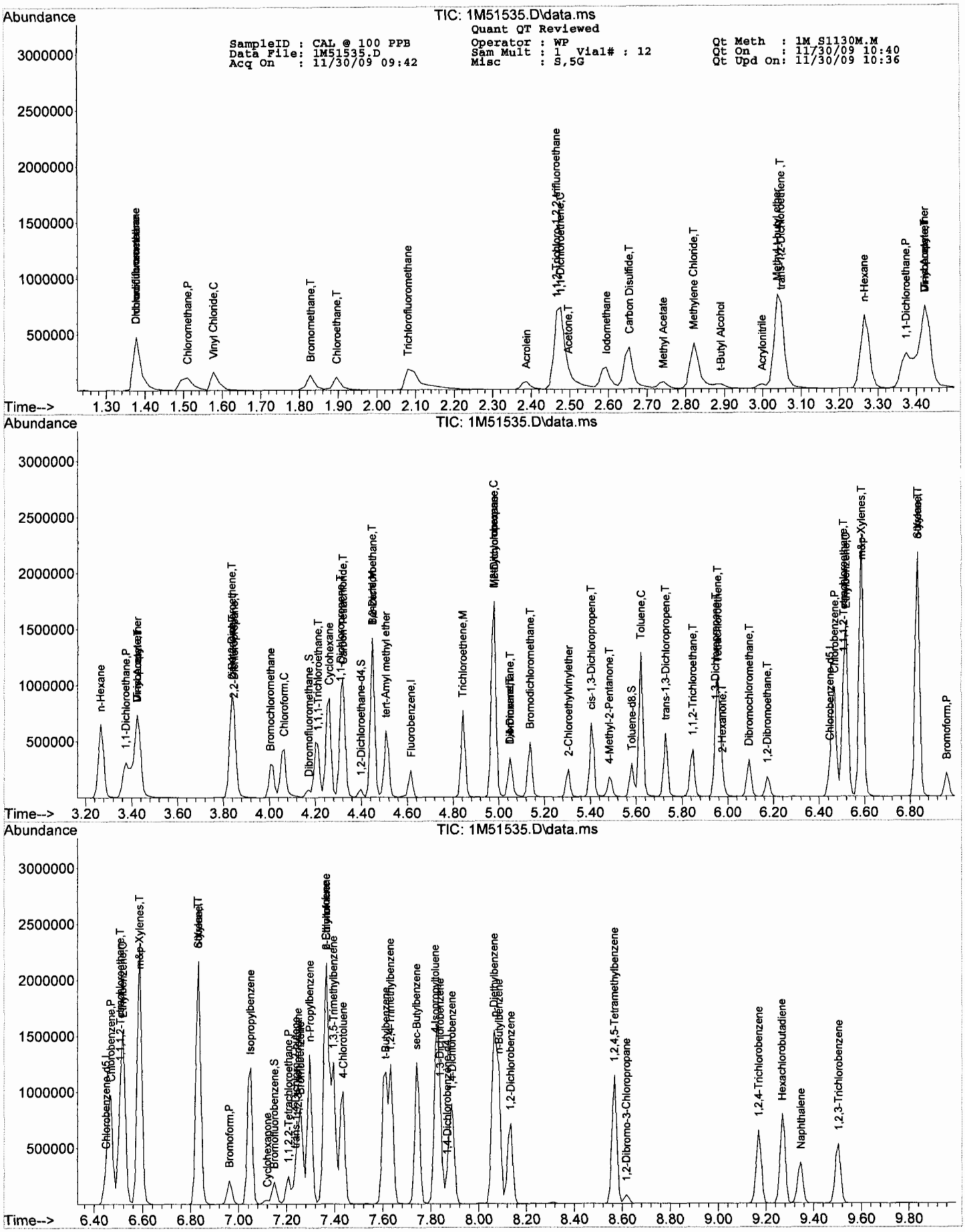
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51535.D Sam Mult : 1 Vial# : 12 Qt On : 11/30/09 10:40
Acq On : 11/30/09 09:42 Misc : S,5G Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) o-Xylene	6.833	106	215002	98.81	ug/l	83
68) trans-1,4-Dichloro-2-b...	7.237	53	41418	93.75	ug/l	74
69) 1,3-Dichlorobenzene	7.838	146	253204	94.00	ug/l	90
70) 1,4-Dichlorobenzene	7.888	146	261010	99.55	ug/l	90
71) 1,2-Dichlorobenzene	8.134	146	231277	98.85	ug/l	92
72) Isopropylbenzene	7.050	105	613658	110.19	ug/l	96
73) Cyclohexanone	7.119	55	14861	478.78	ug/l	92
74) 1,2,3-Trichloropropane	7.247	75	138085	96.21	ug/l	89
75) 2-Chlorotoluene	7.365	91	364970	104.17	ug/l	93
76) p-Ethyltoluene	7.365	105	618575	92.73	ug/l	98
77) 4-Chlorotoluene	7.434	91	350606	96.78	ug/l	96
78) n-Propylbenzene	7.296	91	762621	108.78	ug/l	100
79) Bromobenzene	7.257	77	364764	100.94	ug/l	81
80) 1,3,5-Trimethylbenzene	7.395	105	512667m	113.11	ug/l	
81) t-Butylbenzene	7.612	119	475493	106.22	ug/l	85
82) 1,2,4-Trimethylbenzene	7.631	105	514066	103.46	ug/l	95
83) sec-Butylbenzene	7.740	105	648428	109.90	ug/l	97
84) 4-Isopropyltoluene	7.819	119	507021	109.12	ug/l	92
85) n-Butylbenzene	8.085	91	678886	108.56	ug/l	97
86) p-Diethylbenzene	8.065	119	342642	101.77	ug/l	95
87) 1,2,4,5-Tetramethylben...	8.568	119	487402	99.39	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	8.617	157	16982	90.69	ug/l	76
89) Hexachlorobutadiene	9.267	225	158888	103.54	ug/l	98
90) 1,2,4-Trichlorobenzene	9.169	180	171268	101.04	ug/l	97
91) 1,2,3-Trichlorobenzene	9.504	180	151103	95.13	ug/l	97
92) Naphthalene	9.346	128	237216	99.20	ug/l	100

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


Abundance
TIC: 1M51535.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 1M51535.D
Acq On : 11/30/09 09:42
Operator : WP
Sam Mult : 1 Vial# : 12
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:40
Qt Upd On: 11/30/09 10:36
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 1M51535.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Time-->

Abundance
TIC: 1M51535.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
n-Propylbenzene
1,3,5-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB
Data File: 1M51534.D
Acq On : 11/30/09 09:26

Operator : WP
Sam Mult : 1 Vial# : 11
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:38
Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	109042	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	80319	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.877	152	42811	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.171	111	27486	27.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.07%			
32) 1,2-Dichloroethane-d4	4.398	102	5490	29.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.90%			
56) Toluene-d8	5.580	100	72698	29.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.20%			
64) Bromofluorobenzene	7.148	174	38558	31.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.73%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.377	51	636309	239.57	ug/l	1
3) Dichlorodifluoromethane	1.377	85	415701	338.69	ug/l	96
4) Chloromethane	1.511	50	395790	261.46	ug/l	96
5) Bromomethane	1.829	94	150417	231.22	ug/l	98
6) Vinyl Chloride	1.578	62	305240	275.18	ug/l	98
7) Chloroethane	1.896	64	159946	241.08	ug/l	96
8) Trichlorofluoromethane	2.097	101	491923	217.41	ug/l	97
9) 1,1,2-Trichloro-1,2,2-...	2.476	101	258355	218.07	ug/l	90
10) Methylene Chloride	2.821	84	301422	230.13	ug/l	88
11) Acrolein	2.387	56	115545	1251.64	ug/l	96
12) Acrylonitrile	2.998	53	75148	244.46	ug/l	98
13) Iodomethane	2.594	142	448793	242.63	ug/l	75
14) Acetone	2.496	43	270588	1066.80	ug/l	99
15) Carbon Disulfide	2.653	76	969635	233.74	ug/l	100
16) t-Butyl Alcohol	2.890	59	45983	1162.34	ug/l	87
17) n-Hexane	3.264	57	482284	252.87	ug/l	89
18) Di-isopropyl-ether	3.422	45	1169364	242.73	ug/l	86
19) 1,1-Dichloroethene	2.476	61	629802	243.20	ug/l	90
20) Methyl Acetate	2.742	43	160171	194.43	ug/l	100
21) Methyl-t-butyl ether	3.048	73	465234	240.12	ug/l	75
22) 1,1-Dichloroethane	3.373	63	679175	249.66	ug/l	99
23) trans-1,2-Dichloroethene	3.048	96	292862	238.08	ug/l	85
24) cis-1,2-Dichloroethene	3.836	61	628914	248.41	ug/l	88
25) Bromochloromethane	4.004	49	294522	229.69	ug/l	61
26) 2,2-Dichloropropane	3.846	77	438248	260.61	ug/l	93
27) 1,4-Dioxane	5.048	88	84457	11717.85	ug/l	64
28) 1,1-Dichloropropene	4.309	75	470269	223.25	ug/l	95
29) Chloroform	4.063	83	560270	234.90	ug/l	99
31) Cyclohexane	4.260	56	676945	250.46	ug/l	86
33) 1,2-Dichloroethane	4.447	62	408749	208.43	ug/l	99
34) 2-Butanone	3.836	43	97201	232.29	ug/l	91
35) 1,1,1-Trichloroethane	4.211	97	471338	244.11	ug/l	99
36) Carbon Tetrachloride	4.329	117	387221	218.46	ug/l	91
37) Vinyl Acetate	3.402	43	1057098	280.82	ug/l	100
38) Bromodichloromethane	5.137	83	452244	237.13	ug/l	97
39) Methylcyclohexane	4.979	83	534068	240.67	ug/l	82
40) Dibromomethane	5.048	174	171935	227.85	ug/l	95
41) 1,2-Dichloropropane	4.979	63	321179	219.25	ug/l	90
42) Trichloroethene	4.841	130	315780	233.95	ug/l	86
43) Benzene	4.447	78	1086344	205.40	ug/l	100
44) tert-Amyl methyl ether	4.506	73	444719	246.91	ug/l	93
46) Dibromochloromethane	6.093	129	268073	227.17	ug/l	99
47) 2-Chloroethylvinylether	5.304	63	152879	261.53	ug/l	91
48) cis-1,3-Dichloropropene	5.403	75	515486	247.11	ug/l	96
49) trans-1,3-Dichloropropene	5.728	75	430381	252.25	ug/l	99
50) 1,1,2-Trichloroethane	5.847	97	198864	224.08	ug/l	96
51) 1,2-Dibromoethane	6.172	107	210937	226.66	ug/l	96
52) 1,3-Dichloropropane	5.945	76	360937	207.28	ug/l	97
53) 4-Methyl-2-Pentanone	5.482	43	213703	243.85	ug/l	99
54) 2-Hexanone	5.975	43	145383	255.04	ug/l	96
55) Tetrachloroethene	5.965	164	270512	210.69	ug/l	99
57) Toluene	5.620	92	709974	200.14	ug/l	93
58) 1,1,1,2-Tetrachloroethane	6.507	133	243186	208.55	ug/l	100
59) Chlorobenzene	6.467	112	724759	222.03	ug/l	99
61) Bromoform	6.960	173	170684	220.87	ug/l	98
62) Ethylbenzene	6.517	106	267648	188.45	ug/l	92
63) 1,1,2,2-Tetrachloroethane	7.207	83	218284	217.54	ug/l	86
65) Styrene	6.832	104	702767	205.76	ug/l	77
66) m&p-Xylenes	6.586	106	811120	372.17	ug/l	93

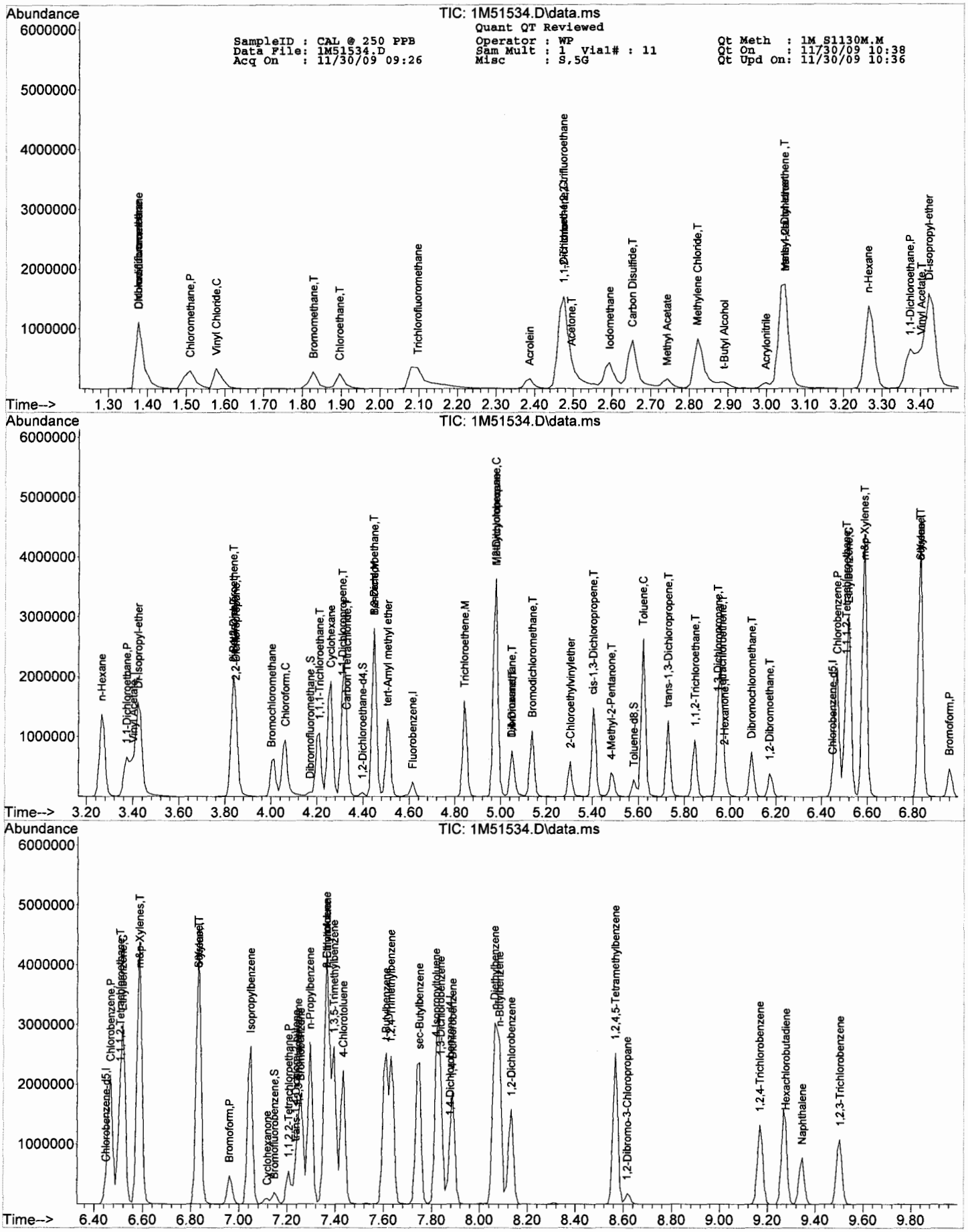
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51534.D Sam Mult : 1 Vial# : 11 Qt On : 11/30/09 10:38
Acq On : 11/30/09 09:26 Misc : S,5G Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) o-Xylene	6.832	106	423171	206.88	ug/l	83
68) trans-1,4-Dichloro-2-b...	7.236	53	94372	227.23	ug/l	66
69) 1,3-Dichlorobenzene	7.837	146	523285	206.64	ug/l	90
70) 1,4-Dichlorobenzene	7.887	146	533096	216.28	ug/l	89
71) 1,2-Dichlorobenzene	8.133	146	489777	222.69	ug/l	91
72) Isopropylbenzene	7.049	105	1259696	240.60	ug/l	96
73) Cyclohexanone	7.118	55	33257	1139.71	ug/l	98
74) 1,2,3-Trichloropropane	7.246	75	295055	218.67	ug/l	89
75) 2-Chlorotoluene	7.364	91	646464	196.28	ug/l	93
76) p-Ethyltoluene	7.364	105	1448542	230.99	ug/l	97
77) 4-Chlorotoluene	7.433	91	759360	222.97	ug/l	95
78) n-Propylbenzene	7.295	91	1556540	236.17	ug/l	99
79) Bromobenzene	7.256	77	775994	228.43	ug/l	81
80) 1,3,5-Trimethylbenzene	7.394	105	777468m	182.47	ug/l	
81) t-Butylbenzene	7.611	119	986580	234.43	ug/l	84
82) 1,2,4-Trimethylbenzene	7.630	105	1050967	225.00	ug/l	94
83) sec-Butylbenzene	7.749	105	1370902	247.15	ug/l	96
84) 4-Isopropyltoluene	7.818	119	1012427	231.78	ug/l	91
85) n-Butylbenzene	8.084	91	1369145	232.88	ug/l	97
86) p-Diethylbenzene	8.064	119	698405	220.65	ug/l	94
87) 1,2,4,5-Tetramethylben...	8.567	119	1081053	234.50	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	8.616	157	39336	223.46	ug/l	72
89) Hexachlorobutadiene	9.276	225	327170	226.79	ug/l	98
90) 1,2,4-Trichlorobenzene	9.168	180	359441	225.57	ug/l	97
91) 1,2,3-Trichlorobenzene	9.503	180	308553	206.64	ug/l	96
92) Naphthalene	9.345	128	496499	220.85	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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SampleID : CAL @ 250 PPB
Data File: 1M51534.D
Acq On : 11/30/09 09:26
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:38
Qt Upd On: 11/30/09 10:36
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51533.D Sam Mult : 1 Vial# : 10 Qt On : 11/30/09 10:36
Acq On : 11/30/09 09:10 Misc : S,5G Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	104973	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.449	117	79257	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.878	152	39377	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.172	111	27408	28.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.37%			
32) 1,2-Dichloroethane-d4	4.399	102	5625	31.26	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.20%			
56) Toluene-d8	5.581	100	71658	29.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.07%			
64) Bromofluorobenzene	7.148	174	38526	34.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.77%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.376	51	1181656	462.14	ug/l	1
3) Dichlorodifluoromethane	1.376	85	812420	687.58	ug/l	97
4) Chloromethane	1.510	50	728644	500.01	ug/l	100
5) Bromomethane	1.828	94	272216	434.68	ug/l	96
6) Vinyl Chloride	1.577	62	581337	544.40	ug/l	96
7) Chloroethane	1.895	64	296995	464.99	ug/l	95
8) Trichlorofluoromethane	2.079	101	951684	436.91	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.467	101	482126	422.72	ug/l	89
10) Methylene Chloride	2.822	84	561436	445.26	ug/l	91
11) Acrolein	2.388	56	220782	2484.33	ug/l	98
12) Acrylonitrile	2.999	53	139987	473.03	ug/l	94
13) Iodomethane	2.595	142	798002	448.15	ug/l	75
14) Acetone	2.496	43	492473	2016.86	ug/l	99
15) Carbon Disulfide	2.654	76	1838160	460.28	ug/l	100
16) t-Butyl Alcohol	2.891	59	85819	2253.39	ug/l	82
17) n-Hexane	3.265	57	915149	498.42	ug/l	89
18) Di-isopropyl-ether	3.423	45	2029979	437.70	ug/l	86
19) 1,1-Dichloroethene	2.477	61	1159978	465.30	ug/l	92
20) Methyl Acetate	2.743	43	289552	365.11	ug/l	100
21) Methyl-t-butyl ether	3.038	73	801607	429.77	ug/l	74
22) 1,1-Dichloroethane	3.374	63	1256503	479.79	ug/l	99
23) trans-1,2-Dichloroethene	3.038	96	520874	439.86	ug/l	97
24) cis-1,2-Dichloroethene	3.837	61	1119047	459.14	ug/l	87
25) Bromochloromethane	4.004	49	486437	394.07	ug/l	64
26) 2,2-Dichloropropane	3.847	77	804480	496.94	ug/l	92
27) 1,4-Dioxane	5.049	88	144497	20825.10	ug/l	58
28) 1,1-Dichloropropene	4.310	75	809663	399.27	ug/l	96
29) Chloroform	4.063	83	1032191	449.54	ug/l	99
31) Cyclohexane	4.261	56	1219764	468.79	ug/l	87
33) 1,2-Dichloroethane	4.448	62	694099	367.65	ug/l	97
34) 2-Butanone	3.837	43	168652	418.66	ug/l	92
35) 1,1,1-Trichloroethane	4.211	97	861397	463.41	ug/l	95
36) Carbon Tetrachloride	4.330	117	677372	396.97	ug/l	90
37) Vinyl Acetate	3.393	43	1871192	516.36	ug/l	100
38) Bromodichloromethane	5.138	83	823439	448.49	ug/l	95
39) Methylcyclohexane	4.980	83	901223	421.86	ug/l	85
40) Dibromomethane	5.049	174	309826	426.51	ug/l	94
41) 1,2-Dichloropropane	4.980	63	540480	383.26	ug/l	90
42) Trichloroethene	4.842	130	564202	434.19	ug/l	88
43) Benzene	4.448	78	1840214	361.43	ug/l	100
44) tert-Amyl methyl ether	4.507	73	788033	454.48	ug/l	93
46) Dibromochloromethane	6.094	129	494246	424.44	ug/l	99
47) 2-Chloroethylvinylether	5.305	63	281824	488.57	ug/l	90
48) cis-1,3-Dichloropropene	5.404	75	942886	458.05	ug/l	96
49) trans-1,3-Dichloropropene	5.729	75	777932	462.06	ug/l	96
50) 1,1,2-Trichloroethane	5.847	97	352688	402.73	ug/l	93
51) 1,2-Dibromoethane	6.173	107	381536	415.46	ug/l	96
52) 1,3-Dichloropropane	5.946	76	608059	353.88	ug/l	97
53) 4-Methyl-2-Pentanone	5.483	43	386568	447.01	ug/l	99
54) 2-Hexanone	5.975	43	248958	442.58	ug/l	97
55) Tetrachloroethene	5.966	164	444031	350.47	ug/l	98
57) Toluene	5.621	92	1217088	347.70	ug/l	91
58) 1,1,1,2-Tetrachloroethane	6.508	133	414854	360.53	ug/l	99
59) Chlorobenzene	6.468	112	1265487	392.87	ug/l	98
61) Bromoform	6.961	173	327242	460.39	ug/l	99
62) Ethylbenzene	6.527	106	417344	319.48	ug/l	99
63) 1,1,2,2-Tetrachloroethane	7.207	83	400446	433.88	ug/l	87
65) Styrene	6.833	104	1116135	355.28	ug/l	73
66) m&p-Xylenes	6.587	106	1277989	637.53	ug/l	94

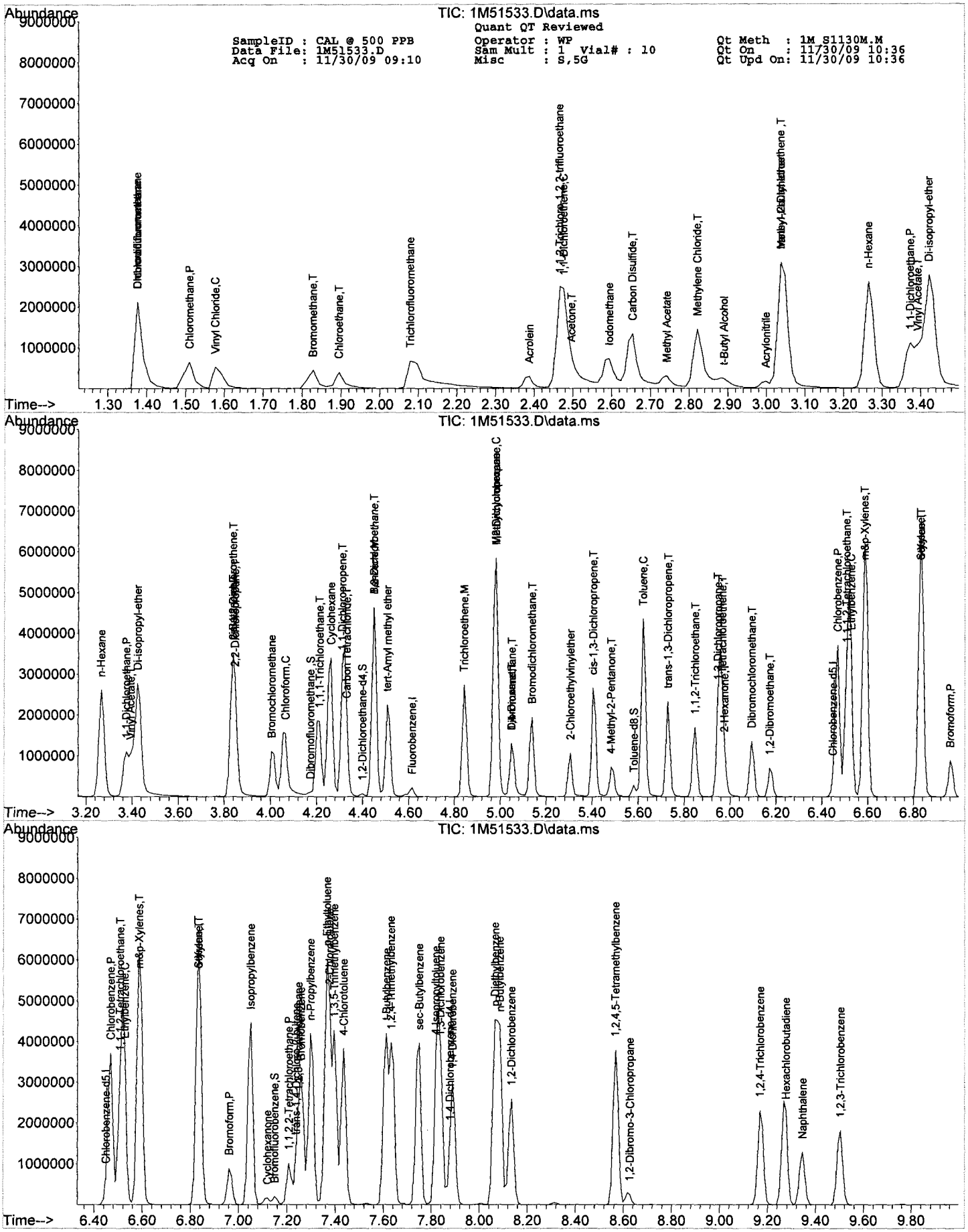
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51533.D Sam Mult : 1 Vial# : 10 Qt On : 11/30/09 10:36
Acq On : 11/30/09 09:10 Misc : S,5G Qt Upd On: 11/30/09 10:36

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.833	106	674145	358.31 ug/l	80
68) trans-1,4-Dichloro-2-b...	7.237	53	168647	441.47 ug/l	63
69) 1,3-Dichlorobenzene	7.838	146	812838	348.98 ug/l	88
70) 1,4-Dichlorobenzene	7.887	146	897762	395.99 ug/l	89
71) 1,2-Dichlorobenzene	8.134	146	802799	396.84 ug/l	89
72) Isopropylbenzene	7.050	105	2122549	440.76 ug/l	96
73) Cyclohexanone	7.119	55	59988	2235.06 ug/l	97
74) 1,2,3-Trichloropropane	7.247	75	512774	413.16 ug/l	88
75) 2-Chlorotoluene	7.375	91	1009106	333.10 ug/l	93
76) p-Ethyltoluene	7.365	105	2148394	372.46 ug/l	97
77) 4-Chlorotoluene	7.434	91	1242452	396.64 ug/l	95
78) n-Propylbenzene	7.296	91	2577556	425.19 ug/l	97
79) Bromobenzene	7.257	77	1365767	437.10 ug/l	81
80) 1,3,5-Trimethylbenzene	7.395	105	1343574m	342.84 ug/l	
81) t-Butylbenzene	7.612	119	1611984	416.45 ug/l	82
82) 1,2,4-Trimethylbenzene	7.631	105	1680853	391.23 ug/l	93
83) sec-Butylbenzene	7.750	105	2189343	429.11 ug/l	97
84) 4-Isopropyltoluene	7.818	119	1563456	389.15 ug/l	90
85) n-Butylbenzene	8.085	91	2158937	399.25 ug/l	97
86) p-Diethylbenzene	8.065	119	1073932	368.88 ug/l	94
87) 1,2,4,5-Tetramethylben...	8.568	119	1710241	403.34 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	8.627	157	68122	420.73 ug/l	73
89) Hexachlorobutadiene	9.277	225	546365	411.76 ug/l	98
90) 1,2,4-Trichlorobenzene	9.169	180	645798	440.61 ug/l	97
91) 1,2,3-Trichlorobenzene	9.504	180	521384	379.63 ug/l	95
92) Naphthalene	9.346	128	834737	403.68 ug/l	100

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


TIC: 1M51533.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 1M51533.D
Acq On : 11/30/09 09:10
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 10:36
Qt Upd On: 11/30/09 10:36
Abundance
Time-->

Quantitation Report (QT Reviewed)

0120

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51542.D Sam Mult : 1 Vial# : 19 Qt On : 11/30/09 11:48
Acq On : 11/30/09 11:35 Misc : S,5G Qt Upd On: 11/30/09 11:09

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	102394	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	79925	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.877	152	42827	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.171	111	29917	33.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.97%			
32) 1,2-Dichloroethane-d4	4.398	102	5820	34.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.53%			
56) Toluene-d8	5.580	100	67622	28.26	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.20%			
64) Bromofluorobenzene	7.157	174	35107	28.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.63%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	0.000		0	N.D.	d	
3) Dichlorodifluoromethane	0.000		0	N.D.	d	
4) Chloromethane	0.000		0	N.D.	d	
5) Bromomethane	0.000		0	N.D.		
6) Vinyl Chloride	0.000		0	N.D.	d	
7) Chloroethane	0.000		0	N.D.	d	
8) Trichlorofluoromethane	0.000		0	N.D.	d	
9) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	d	
10) Methylene Chloride	0.000		0	N.D.	d	
11) Acrolein	0.000		0	N.D.		
12) Acrylonitrile	0.000		0	N.D.		
13) Iodomethane	0.000		0	N.D.	d	
14) Acetone	0.000		0	N.D.	d	
15) Carbon Disulfide	0.000		0	N.D.	d	
16) t-Butyl Alcohol	0.000		0	N.D.		
17) n-Hexane	0.000		0	N.D.	d	
18) Di-isopropyl-ether	0.000		0	N.D.	d	
19) 1,1-Dichloroethene	0.000		0	N.D.	d	
20) Methyl Acetate	0.000		0	N.D.		
21) Methyl-t-butyl ether	3.048	73	1985	1.04	ug/l #	37
22) 1,1-Dichloroethane	0.000		0	N.D.	d	
23) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
24) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
25) Bromochloromethane	0.000		0	N.D.	d	
26) 2,2-Dichloropropane	0.000		0	N.D.	d	
27) 1,4-Dioxane	0.000		0	N.D.		
28) 1,1-Dichloropropene	0.000		0	N.D.	d	
29) Chloroform	0.000		0	N.D.	d	
31) Cyclohexane	0.000		0	N.D.	d	
33) 1,2-Dichloroethane	0.000		0	N.D.	d	
34) 2-Butanone	0.000		0	N.D.		
35) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
36) Carbon Tetrachloride	0.000		0	N.D.	d	
37) Vinyl Acetate	0.000		0	N.D.	d	
38) Bromodichloromethane	0.000		0	N.D.	d	
39) Methylcyclohexane	0.000		0	N.D.	d	
40) Dibromomethane	0.000		0	N.D.	d	
41) 1,2-Dichloropropane	0.000		0	N.D.	d	
42) Trichloroethene	0.000		0	N.D.	d	
43) Benzene	4.447	78	6847	1.39	ug/l	100
44) tert-Amyl methyl ether	0.000		0	N.D.	d	
46) Dibromochloromethane	0.000		0	N.D.	d	
47) 2-Chloroethylvinylether	0.000		0	N.D.		
48) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
49) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
50) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
51) 1,2-Dibromoethane	0.000		0	N.D.	d	
52) 1,3-Dichloropropane	0.000		0	N.D.	d	
53) 4-Methyl-2-Pentanone	0.000		0	N.D.	d	
54) 2-Hexanone	0.000		0	N.D.		
55) Tetrachloroethene	0.000		0	N.D.	d	
57) Toluene	5.620	92	4550	1.41	ug/l	97
58) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	d	
59) Chlorobenzene	0.000		0	N.D.	d	
61) Bromoform	0.000		0	N.D.		
62) Ethylbenzene	6.517	106	1426	1.13	ug/l	90
63) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
65) Styrene	0.000		0	N.D.	d	
66) m&p-Xylenes	6.586	106	4732	2.36	ug/l	88

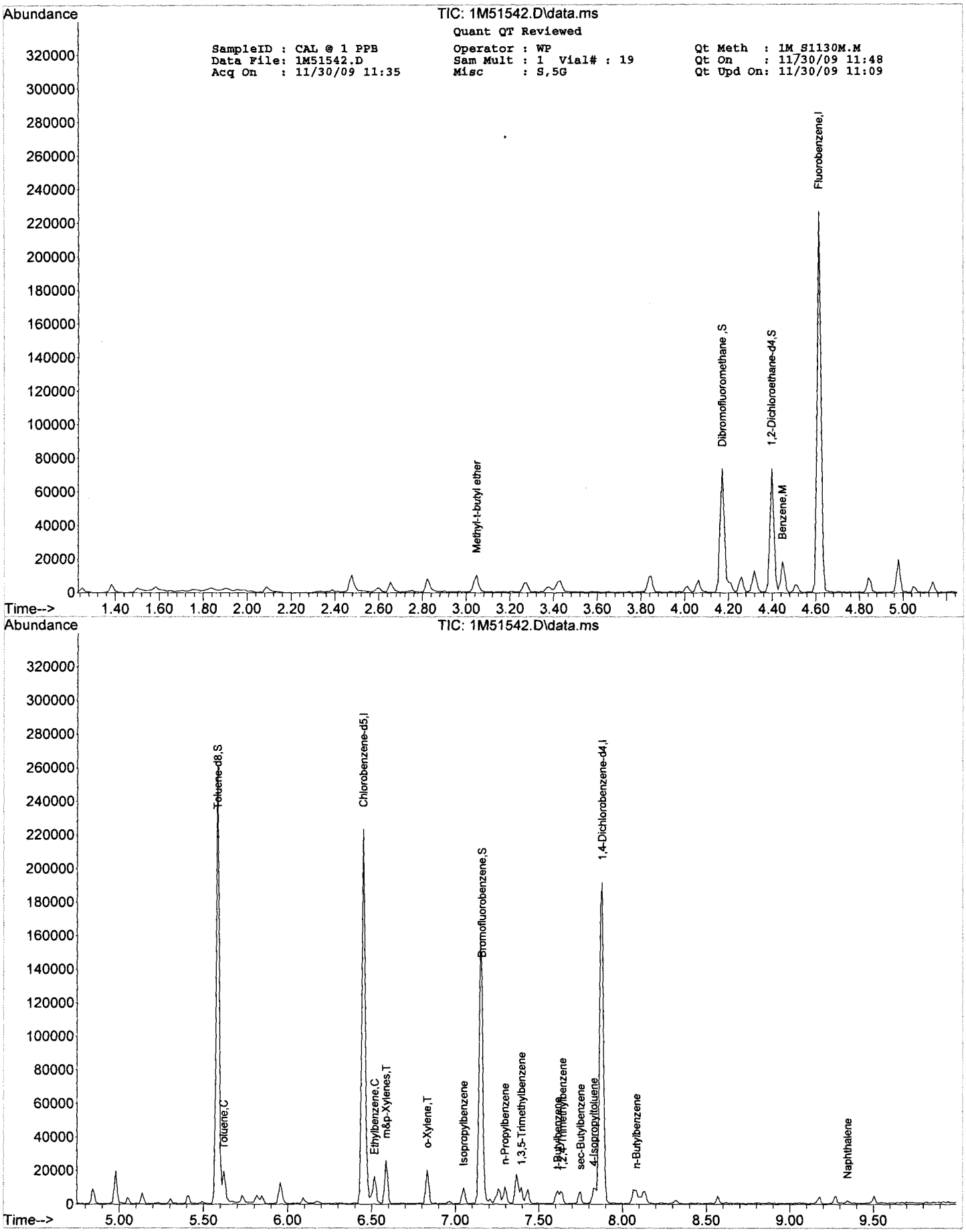
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51542.D Sam Mult : 1 Vial# : 19 Qt On : 11/30/09 11:48
Acq On : 11/30/09 11:35 Misc : S,5G Qt Upd On: 11/30/09 11:09

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67)	o-Xylene	6.832	106	2137	1.07 ug/l	83
68)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	
69)	1,3-Dichlorobenzene	0.000		0	N.D. d	
70)	1,4-Dichlorobenzene	0.000		0	N.D. d	
71)	1,2-Dichlorobenzene	0.000		0	N.D. d	
72)	Isopropylbenzene	7.049	105	4695m	0.86 ug/l	
73)	Cyclohexanone	0.000		0	N.D.	
74)	1,2,3-Trichloropropane	0.000		0	N.D. d	
75)	2-Chlorotoluene	0.000		0	N.D. d	
76)	p-Ethyltoluene	0.000		0	N.D. d	
77)	4-Chlorotoluene	0.000		0	N.D. d	
78)	n-Propylbenzene	7.295	91	6000	0.87 ug/l	93
79)	Bromobenzene	0.000		0	N.D. d	
80)	1,3,5-Trimethylbenzene	7.394	105	3396m	0.78 ug/l	
81)	t-Butylbenzene	7.611	119	3306	0.77 ug/l #	69
82)	1,2,4-Trimethylbenzene	7.640	105	4120	0.88 ug/l	95
83)	sec-Butylbenzene	7.749	105	4485	0.77 ug/l #	54
84)	4-Isopropyltoluene	7.828	119	3199	0.71 ug/l #	48
85)	n-Butylbenzene	8.084	91	4598	0.76 ug/l	87
86)	p-Diethylbenzene	0.000		0	N.D. d	
87)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d	
88)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
89)	Hexachlorobutadiene	0.000		0	N.D. d	
90)	1,2,4-Trichlorobenzene	0.000		0	N.D. d	
91)	1,2,3-Trichlorobenzene	0.000		0	N.D. d	
92)	Naphthalene	9.345	128	2149	1.06 ug/l	100

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


Abundance
TIC: 1M51542.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 1M51542.D
Acq On : 11/30/09 11:35
Operator : WP
Sam Mult : 1 Vial# : 19
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 11:48
Qt Upd On: 11/30/09 11:09
Methyl-t-butyl ether
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Time-->
Abundance
TIC: 1M51542.D\data.ms
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
n-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
Naphthalene
Time-->

Quantitation Report (QT Reviewed)

0123

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51541.D Sam Mult : 1 Vial# : 18 Qt On : 11/30/09 11:37
Acq On : 11/30/09 11:19 Misc : S,5G Qt Upd On: 11/30/09 11:09

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.615	96	106260	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.448	117	82456	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.877	152	42467	30.00	ug/l	0.00
System Monitoring Compounds						
30) Dibromofluoromethane	4.171	111	30233	32.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.07%			
32) 1,2-Dichloroethane-d4	4.398	102	5572	31.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.73%			
56) Toluene-d8	5.581	100	69573	28.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.93%			
64) Bromofluorobenzene	7.148	174	34093	28.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.67%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	0.000		0	N.D.	d	
3) Dichlorodifluoromethane	0.000		0	N.D.		
4) Chloromethane	0.000		0	N.D.	d	
5) Bromomethane	0.000		0	N.D.		
6) Vinyl Chloride	0.000		0	N.D.		
7) Chloroethane	0.000		0	N.D.		
8) Trichlorofluoromethane	0.000		0	N.D.	d	
9) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.		
10) Methylene Chloride	0.000		0	N.D.	d	
11) Acrolein	0.000		0	N.D.		
12) Acrylonitrile	0.000		0	N.D.		
13) Iodomethane	0.000		0	N.D.	d	
14) Acetone	0.000		0	N.D.	d	
15) Carbon Disulfide	0.000		0	N.D.	d	
16) t-Butyl Alcohol	0.000		0	N.D.		
17) n-Hexane	0.000		0	N.D.		
18) Di-isopropyl-ether	0.000		0	N.D.	d	
19) 1,1-Dichloroethene	0.000		0	N.D.	d	
20) Methyl Acetate	0.000		0	N.D.		
21) Methyl-t-butyl ether	0.000		0	N.D.	d	
22) 1,1-Dichloroethane	0.000		0	N.D.	d	
23) trans-1,2-Dichloroethene	0.000		0	N.D.		
24) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
25) Bromochloromethane	0.000		0	N.D.		
26) 2,2-Dichloropropane	0.000		0	N.D.		
27) 1,4-Dioxane	0.000		0	N.D.		
28) 1,1-Dichloropropene	0.000		0	N.D.		
29) Chloroform	0.000		0	N.D.	d	
31) Cyclohexane	0.000		0	N.D.		
33) 1,2-Dichloroethane	0.000		0	N.D.	d	
34) 2-Butanone	0.000		0	N.D.		
35) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
36) Carbon Tetrachloride	0.000		0	N.D.	d	
37) Vinyl Acetate	0.000		0	N.D.	d	
38) Bromodichloromethane	0.000		0	N.D.	d	
39) Methylcyclohexane	0.000		0	N.D.	d	
40) Dibromomethane	0.000		0	N.D.		
41) 1,2-Dichloropropane	0.000		0	N.D.		
42) Trichloroethene	0.000		0	N.D.		
43) Benzene	0.000		0	N.D.	d	
44) tert-Amyl methyl ether	0.000		0	N.D.	d	
46) Dibromochloromethane	0.000		0	N.D.		
47) 2-Chloroethylvinylether	0.000		0	N.D.		
48) cis-1,3-Dichloropropene	0.000		0	N.D.		
49) trans-1,3-Dichloropropene	0.000		0	N.D.		
50) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
51) 1,2-Dibromoethane	0.000		0	N.D.		
52) 1,3-Dichloropropane	0.000		0	N.D.		
53) 4-Methyl-2-Pentanone	0.000		0	N.D.		
54) 2-Hexanone	0.000		0	N.D.		
55) Tetrachloroethene	0.000		0	N.D.		
57) Toluene	0.000		0	N.D.	d	
58) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
59) Chlorobenzene	0.000		0	N.D.	d	
61) Bromoform	0.000		0	N.D.		
62) Ethylbenzene	0.000		0	N.D.	d	
63) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
65) Styrene	0.000		0	N.D.	d	
66) m&p-Xylenes	6.586	106	1981m	1.00	ug/l	

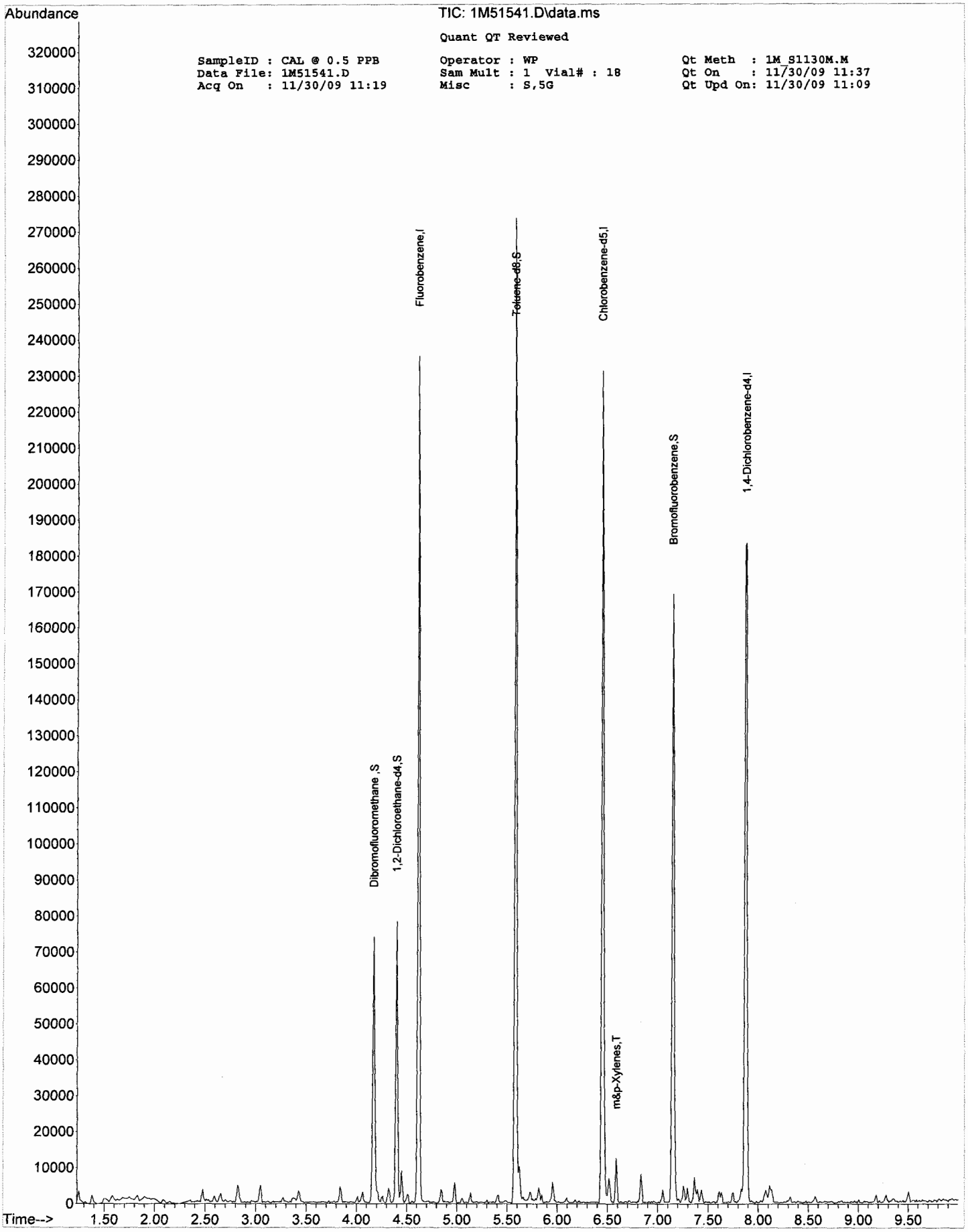
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 1M_S1130M.M
Data File: 1M51541.D Sam Mult : 1 Vial# : 18 Qt On : 11/30/09 11:37
Acq On : 11/30/09 11:19 Misc : S,5G Qt Upd On: 11/30/09 11:09

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units Dev(Min)
67) o-Xylene	0.000		0	N.D. d
68) trans-1,4-Dichloro-2-b...	0.000		0	N.D.
69) 1,3-Dichlorobenzene	0.000		0	N.D. d
70) 1,4-Dichlorobenzene	0.000		0	N.D. d
71) 1,2-Dichlorobenzene	0.000		0	N.D. d
72) Isopropylbenzene	0.000		0	N.D. d
73) Cyclohexanone	0.000		0	N.D.
74) 1,2,3-Trichloropropane	0.000		0	N.D. d
75) 2-Chlorotoluene	0.000		0	N.D. d
76) p-Ethyltoluene	0.000		0	N.D. d
77) 4-Chlorotoluene	0.000		0	N.D. d
78) n-Propylbenzene	0.000		0	N.D. d
79) Bromobenzene	0.000		0	N.D. d
80) 1,3,5-Trimethylbenzene	0.000		0	N.D. d
81) t-Butylbenzene	0.000		0	N.D. d
82) 1,2,4-Trimethylbenzene	0.000		0	N.D. d
83) sec-Butylbenzene	0.000		0	N.D. d
84) 4-Isopropyltoluene	0.000		0	N.D. d
85) n-Butylbenzene	0.000		0	N.D. d
86) p-Diethylbenzene	0.000		0	N.D. d
87) 1,2,4,5-Tetramethylben...	0.000		0	N.D. d
88) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.
89) Hexachlorobutadiene	0.000		0	N.D.
90) 1,2,4-Trichlorobenzene	0.000		0	N.D.
91) 1,2,3-Trichlorobenzene	0.000		0	N.D.
92) Naphthalene	0.000		0	N.D. d

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


Abundance
TIC: 1M51541.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 1M51541.D
Acq On : 11/30/09 11:19
Operator : WP
Sam Mult : 1 Vial# : 18
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 11/30/09 11:37
Qt Upd On: 11/30/09 11:09
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M52210.D **Instrument:** GCMS 1

Cont Calibration Date/Time 12/15/2009 7:26:00 Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.60	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.38	51.35				0.732			
Dichlorodifluoromethane	1	0		1.38	36.61	50			0.465	0.340	26.78	
Chloromethane	1	0	CP	1.49	52.56	50	0.1		0.468	0.492	5.12	
Bromomethane	1	0		1.83	52.01	50			0.194	0.201	4.02	
Vinyl Chloride	1	0	CC	1.58	58.03	50	20		0.363	0.422	16.06	
Chloroethane	1	0		1.90	62.60	50			0.204	0.215	25.20	
Trichlorofluoromethane	1	0		2.08	61.73	50			0.629	0.776	23.46	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.47	66.43	50			0.318	0.423	32.86	
Methylene Chloride	1	0		2.81	53.33	50			0.381	0.406	6.66	
Acrolein	1	0		2.38	234.63	250			0.026	0.025	6.15	
Acrylonitrile	1	0		2.99	53.87	50			0.084	0.091	7.74	
Iodomethane	1	0		2.58	58.77	50			0.523	0.615	17.54	
Acetone	1	0		2.49	254.80	250			0.069	0.070	1.92	
Carbon Disulfide	1	0		2.64	55.19	50			1.185	1.307	10.38	
t-Butyl Alcohol	1	0		2.88	246.97	250			0.010	0.010	1.21	
n-Hexane	1	0		3.25	67.06	50			0.535	0.717	34.12	
Di-isopropyl-ether	1	0		3.41	53.87	50			1.394	1.502	7.74	
1.1-Dichloroethene	1	0	CC	2.47	59.04	50	20		0.743	0.877	18.08	
Methyl Acetate	1	0		2.73	49.35	50			0.191	0.188	1.30	
Methyl-t-butyl ether	1	0		3.04	49.70	50			0.561	0.557	0.60	
1.1-Dichloroethane	1	0	CP	3.36	55.98	50	0.1		0.818	0.916	11.96	
trans-1.2-Dichloroethene	1	0		3.04	60.86	50			0.358	0.436	21.72	
cis-1.2-Dichloroethene	1	0		3.83	56.63	50			0.768	0.870	13.26	
Bromochloromethane	1	0		3.99	53.63	50			0.360	0.387	7.26	
2.2-Dichloropropane	1	0		3.84	63.58	50			0.513	0.653	27.16	
1.4-Dioxane	1	0		5.04	2576.85	2500			0.002	0.002	3.07	
1.1-Dichloropropene	1	0		4.31	62.07	50			0.598	0.742	24.14	
Chloroform	1	0	CC	4.05	58.21	50	20		0.702	0.817	16.42	
Dibromofluoromethane	1	0	S	4.16	31.81	75			0.269	0.285	6.03	
Cyclohexane	1	0		4.25	64.87	50			0.775	1.006	29.74	
1.2-Dichloroethane-d4	1	0	S	4.39	27.93	75			0.051	0.048	6.90	
1.2-Dichloroethane	1	0		4.44	71.54	50			0.550	0.591	43.08	
2-Butanone	1	0		3.83	54.99	50			0.117	0.129	9.98	
1.1.1-Trichloroethane	1	0		4.20	61.27	50			0.573	0.703	22.54	
Carbon Tetrachloride	1	0		4.32	66.31	50			0.493	0.654	32.62	
Vinyl Acetate	1	0		3.41	51.32	50			1.257	1.290	2.64	
Bromodichloromethane	1	0		5.13	56.41	50			0.561	0.633	12.82	
Methylcyclohexane	1	0		4.97	70.34	50			0.632	0.890	40.68	
Dibromomethane	1	0		5.04	55.05	50			0.219	0.242	10.10	
1.2-Dichloropropane	1	0	CC	4.97	54.35	50	20		0.415	0.451	8.70	
Trichloroethene	1	0		4.83	62.28	50			0.395	0.492	24.56	
Benzene	1	0		4.44	76.68	50			1.514	1.679	53.36	
tert-Amyl methyl ether	1	0		4.50	49.29	50			0.527	0.520	1.42	
Chlorobenzene-d5	1	0	I	6.44	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.08	50.86	50			0.432	0.439	1.72	
2-Chloroethylvinylether	1	0		5.29	46.67	50			0.215	0.201	6.66	
cis-1.3-Dichloropropene	1	0		5.39	49.18	50			0.781	0.769	1.64	
trans-1.3-Dichloropropene	1	0		5.72	48.45	50			0.646	0.626	3.10	
1.1.2-Trichloroethane	1	0		5.84	44.24	50			0.337	0.299	11.52	
1.2-Dibromoethane	1	0		6.16	47.67	50			0.340	0.324	4.66	
1.3-Dichloropropane	1	0		5.94	47.59	50			0.625	0.595	4.82	
4-Methyl-2-Pentanone	1	0		5.48	43.38	50			0.319	0.276	13.24	
2-Hexanone	1	0		5.96	43.90	50			0.213	0.187	12.20	
Tetrachloroethene	1	0		5.95	57.92	50			0.465	0.539	15.84	
Toluene-d8	1	0	S	5.57	29.60	75			0.886	0.874	1.33	
Toluene	1	0	CC	5.61	48.24	50	20		1.323	1.277	3.52	
1.1.1.2-Tetrachloroethane	1	0		6.50	50.85	50			0.412	0.419	1.70	
Chlorobenzene	1	0	CP	6.46	51.94	50	0.3		1.251	1.300	3.88	
1.4-Dichlorobenzene-d4	1	0	I	7.86	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.95	53.28	50	0.1		0.508	0.542	6.56	
Ethylbenzene	1	0	CC	6.51	59.74	50	20		0.901	1.077	19.48	
1.1.2.2-Tetrachloroethane	1	0	CP	7.20	47.46	50	0.3		0.673	0.638	5.08	
Bromofluorobenzene	1	0	S	7.14	34.24	75			0.847	0.967	14.13	
Styrene	1	0		6.82	58.82	50			2.252	2.649	17.64	
m&p-Xylenes	1	0		6.58	113.37	100			1.489	1.688	13.37	
o-Xylene	1	0		6.82	58.16	50			1.406	1.635	16.32	
trans-1.4-Dichloro-2-butene	1	0		7.23	47.24	50			0.276	0.261	5.52	
1.3-Dichlorobenzene	1	0		7.83	64.50	50			1.725	1.679	29.00	
1.4-Dichlorobenzene	1	0		7.88	47.89	50			1.731	1.658	4.22	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M52210.D **Instrument:** GCMS 1

Cont Calibration Date/Time 12/15/2009 7:26:00 **Method:** EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		8.12	45.67	50			1.535	1.402	8.66	
Isopropylbenzene	1	0		7.04	63.39	50			3.757	4.762	26.78	
Cyclohexanone	1	0		7.11	224.99				0.018			
1.2.3-Trichloropropane	1	0		7.24	48.83	50			0.918	0.897	2.34	
2-Chlorotoluene	1	0		7.35	60.12	50			2.458	2.956	20.24	
p-Ethyltoluene	1	0		7.35	51.74				4.647			
4-Chlorotoluene	1	0		7.42	49.12	50			2.400	2.358	1.76	
n-Propylbenzene	1	0		7.29	61.23	50			4.735	5.798	22.46	
Bromobenzene	1	0		7.25	53.87	50			2.396	2.582	7.74	
1.3.5-Trimethylbenzene	1	0		7.35	91.38	50			2.710	4.759	82.76	
t-Butylbenzene	1	0		7.60	52.58	50			2.929	3.081	5.16	
1.2.4-Trimethylbenzene	1	0		7.62	50.07	50			3.244	3.249	0.14	
sec-Butylbenzene	1	0		7.73	54.09	50			3.942	4.265	8.18	
4-Isopropyltoluene	1	0		7.81	53.58	50			3.116	3.340	7.16	
n-Butylbenzene	1	0		8.07	51.95	50			4.095	4.255	3.90	
p-Diethylbenzene	1	0		8.05	54.46				2.056			
1.2.4.5-Tetramethylbenzene	1	0		8.56	52.13				3.032			
1.2-Dibromo-3-Chloropropane	1	0		8.61	39.46	50			0.118	0.093	21.08	
Hexachlorobutadiene	1	0		9.26	53.38	50			0.985	1.052	6.76	
1.2.4-Trichlorobenzene	1	0		9.16	46.90	50			1.062	0.996	6.20	
1.2.3-Trichlorobenzene	1	0		9.49	45.04	50			0.962	0.867	9.92	
Naphthalene	1	0		9.34	40.75	50			1.427	1.163	18.50	
1.2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (Not Reviewed)

SampleID : CAL @ 50 PPB
Data File: 1M52210.D
Acq On : 12/15/09 07:26

Operator : DB
Sam Mult : 1 Vial# : 3
Misc : S,5G:.4

Qt Meth : 1M_S1130M.M
Qt On : 12/15/09 07:39
Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-15-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.605	96	122233	30.00	ug/l	-0.01
45) Chlorobenzene-d5	6.438	117	102512	30.00	ug/l	-0.01
60) 1,4-Dichlorobenzene-d4	7.857	152	51662	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.161	111	34843	31.81	ug/l	-0.01
Spiked Amount 30.000			Recovery =	106.03%		
32) 1,2-Dichloroethane-d4	4.388	102	5812	27.93	ug/l	-0.01
Spiked Amount 30.000			Recovery =	93.10%		
56) Toluene-d8	5.570	100	89633	29.60	ug/l	-0.01
Spiked Amount 30.000			Recovery =	98.67%		
64) Bromofluorobenzene	7.137	174	49941	34.24	ug/l	-0.01
Spiked Amount 30.000			Recovery =	114.13%		
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.378	51	153094	51.35	ug/l	1
3) Dichlorodifluoromethane	1.378	85	69333	36.61	ug/l	96
4) Chloromethane	1.495	50	100221	52.56	ug/l	97
5) Bromomethane	1.830	94	41016	52.01	ug/l	99
6) Vinyl Chloride	1.579	62	85936	58.03	ug/l	98
7) Chloroethane	1.897	64	43862	62.60	ug/l	91
8) Trichlorofluoromethane	2.081	101	158132	61.73	ug/l	99
9) 1,1,2-Trichloro-1,2,2-...	2.466	101	86171	66.43	ug/l	92
10) Methylene Chloride	2.811	84	82748	53.33	ug/l	89
11) Acrolein	2.377	56	25301	234.63	ug/l	97
12) Acrylonitrile	2.988	53	18541	53.87	ug/l	94
13) Iodomethane	2.584	142	125238	58.77	ug/l	76
14) Acetone	2.486	43	71313	254.80	ug/l	99
15) Carbon Disulfide	2.643	76	266338	55.19	ug/l	100
16) t-Butyl Alcohol	2.880	59	10530	246.97	ug/l	73
17) n-Hexane	3.254	57	146064	67.06	ug/l	89
18) Di-isopropyl-ether	3.412	45	305985	53.87	ug/l	87
19) 1,1-Dichloroethene	2.466	61	178658	59.04	ug/l	94
20) Methyl Acetate	2.732	43	38305	49.35	ug/l	100
21) Methyl-t-butyl ether	3.037	73	113527	49.70	ug/l	71
22) 1,1-Dichloroethane	3.363	63	186534	55.98	ug/l	98
23) trans-1,2-Dichloroethene	3.037	96	88747	60.86	ug/l	79
24) cis-1,2-Dichloroethene	3.826	61	177321	56.63	ug/l	92
25) Bromochloromethane	3.993	49	78771	53.63	ug/l	65
26) 2,2-Dichloropropane	3.836	77	132948	63.58	ug/l	92
27) 1,4-Dioxane	5.038	88	20350	2576.85	ug/l	63
28) 1,1-Dichloropropene	4.309	75	151246	62.07	ug/l	96
29) Chloroform	4.053	83	166477	58.21	ug/l	99
31) Cyclohexane	4.250	56	204848	64.87	ug/l	90
33) 1,2-Dichloroethane	4.437	62	120318	71.54	ug/l	98
34) 2-Butanone	3.826	43	26272	54.99	ug/l	95
35) 1,1,1-Trichloroethane	4.200	97	143129	61.27	ug/l	97
36) Carbon Tetrachloride	4.319	117	133268	66.31	ug/l	91
37) Vinyl Acetate	3.412	43	262868	51.32	ug/l	100
38) Bromodichloromethane	5.127	83	128859	56.41	ug/l	95
39) Methylcyclohexane	4.969	83	181224	70.34	ug/l	81
40) Dibromomethane	5.038	174	49224	55.05	ug/l	98
41) 1,2-Dichloropropane	4.969	63	91821	54.35	ug/l	88
42) Trichloroethene	4.831	130	100320	62.28	ug/l	86
43) Benzene	4.437	78	342147	76.68	ug/l	100
44) tert-Amyl methyl ether	4.496	73	105840	49.29	ug/l	91
46) Dibromochloromethane	6.083	129	75048	50.86	ug/l	99
47) 2-Chloroethylvinylether	5.294	63	34301	46.67	ug/l	90
48) cis-1,3-Dichloropropene	5.393	75	131309	49.18	ug/l	100
49) trans-1,3-Dichloropropene	5.718	75	106950	48.45	ug/l	95
50) 1,1,2-Trichloroethane	5.836	97	51009	44.24	ug/l	94
51) 1,2-Dibromoethane	6.162	107	55390	47.67	ug/l	93
52) 1,3-Dichloropropane	5.935	76	101688	47.59	ug/l	96
53) 4-Methyl-2-Pentanone	5.482	43	47239	43.38	ug/l	92
54) 2-Hexanone	5.965	43	31965	43.90	ug/l	96
55) Tetrachloroethene	5.955	164	92132	57.92	ug/l	94
57) Toluene	5.610	92	218172	48.24	ug/l	94
58) 1,1,1,2-Tetrachloroethane	6.497	133	71563	50.85	ug/l	94
59) Chlorobenzene	6.457	112	222103	51.94	ug/l	97
61) Bromoform	6.950	173	46633	53.28	ug/l	98
62) Ethylbenzene	6.507	106	92704	59.74	ug/l	84
63) 1,1,2,2-Tetrachloroethane	7.197	83	54972	47.46	ug/l	90
65) Styrene	6.822	104	228088	58.82	ug/l	85
66) m&p-Xylenes	6.576	106	290669	113.37	ug/l	97

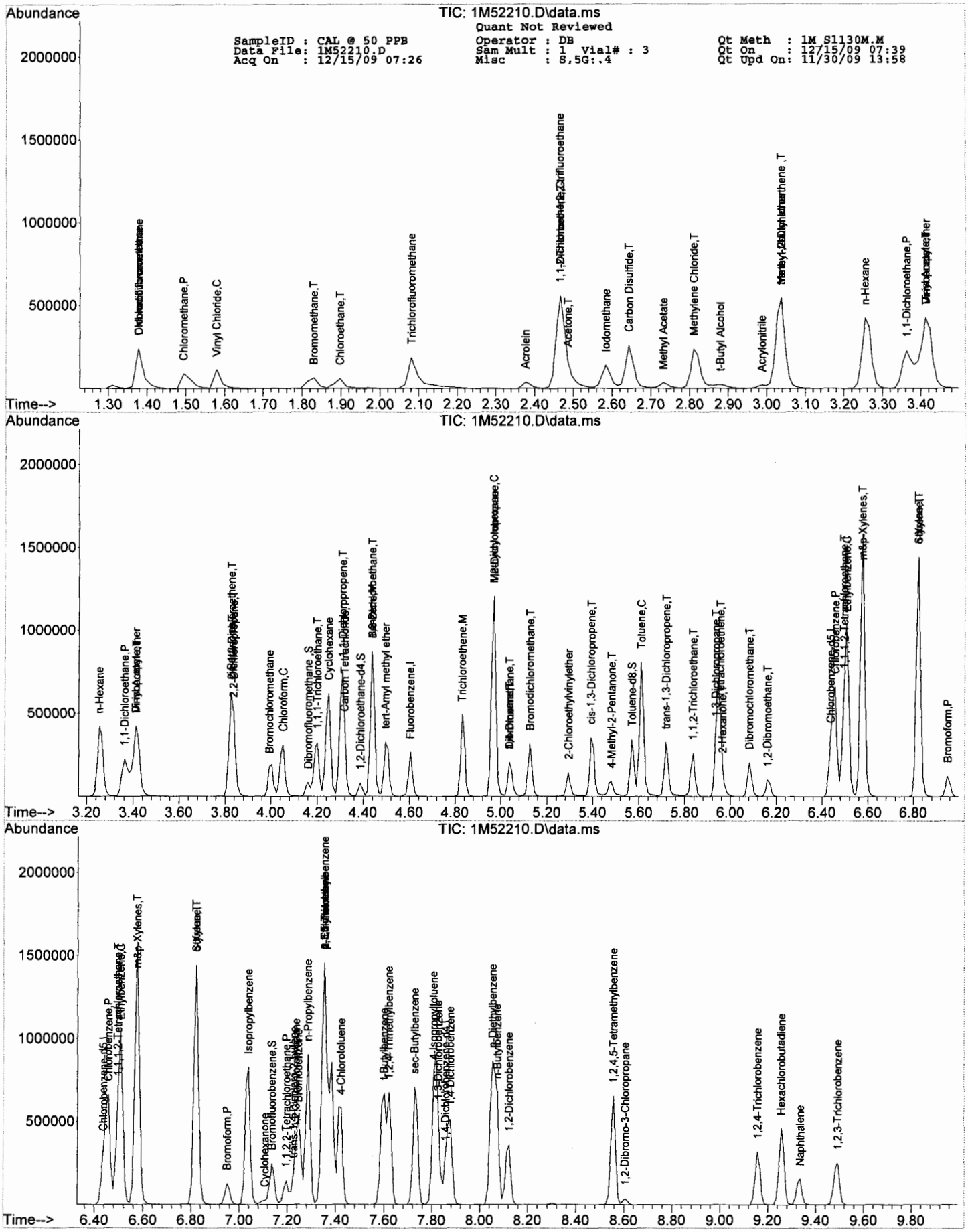
Quantitation Report (Not Reviewed)

SampleID : CAL @ 50 PPB Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52210.D Sam Mult : 1 Vial# : 3 Qt On : 12/15/09 07:39
Acq On : 12/15/09 07:26 Misc : S,5G:.4 Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-15-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.822	106	140800	58.16 ug/l	86
68) trans-1,4-Dichloro-2-b...	7.226	53	22443	47.24 ug/l	77
69) 1,3-Dichlorobenzene	7.827	146	144553	64.50 ug/l	92
70) 1,4-Dichlorobenzene	7.877	146	142732	47.89 ug/l	91
71) 1,2-Dichlorobenzene	8.123	146	120714	45.67 ug/l	91
72) Isopropylbenzene	7.039	105	410062	63.39 ug/l	96
73) Cyclohexanone	7.108	55	7024	224.99 ug/l	96
74) 1,2,3-Trichloropropane	7.236	75	77217	48.83 ug/l	91
75) 2-Chlorotoluene	7.354	91	254528	60.12 ug/l	94
76) p-Ethyltoluene	7.354	105	409776	51.74 ug/l	98
77) 4-Chlorotoluene	7.423	91	203008	49.12 ug/l	96
78) n-Propylbenzene	7.285	91	499223	61.23 ug/l	99
79) Bromobenzene	7.246	77	222299	53.87 ug/l	83
80) 1,3,5-Trimethylbenzene	7.354	105	409776	91.38 ug/l	76
81) t-Butylbenzene	7.601	119	265265	52.58 ug/l	88
82) 1,2,4-Trimethylbenzene	7.620	105	279712	50.07 ug/l	95
83) sec-Butylbenzene	7.729	105	367200	54.09 ug/l	97
84) 4-Isopropyltoluene	7.808	119	287561	53.58 ug/l	92
85) n-Butylbenzene	8.074	91	366371	51.95 ug/l	98
86) p-Diethylbenzene	8.054	119	192788	54.46 ug/l	97
87) 1,2,4,5-Tetramethylben...	8.557	119	272199	52.13 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	8.606	157	8001	39.46 ug/l	78
89) Hexachlorobutadiene	9.256	225	90588	53.38 ug/l	99
90) 1,2,4-Trichlorobenzene	9.158	180	85789	46.90 ug/l	98
91) 1,2,3-Trichlorobenzene	9.493	180	74611	45.04 ug/l	95
92) Naphthalene	9.335	128	100119	40.75 ug/l	100

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


TIC: 1M52210.D\data.ms
Quant Not Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M52210.D
Acq On : 12/15/09 07:26
Operator : DB
Sam Mult : 1 Vial# : 3
Misc : S,5G:.4
Qt Meth : 1M_S1130M.M
Qt On : 12/15/09 07:39
Qt Upd On: 11/30/09 13:58
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
TIC: 1M52210.D\data.ms
Abundance
Time-->
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Bromoform,P
TIC: 1M52210.D\data.ms
Abundance
Time-->
Chlorobenzene-d5,I
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M52265.D **Instrument:** GCMS 1

Cont Calibration Date/Time 12/16/2009 8:30:00 **Method:** EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.60	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.36	47.43				0.732			
Dichlorodifluoromethane	1	0		1.36	34.96	50			0.465	0.325	30.08	
Chloromethane	1	0	CP	1.50	37.13	50	0.1		0.468	0.348	25.74	
Bromomethane	1	0		1.82	46.25	50			0.194	0.179	7.50	
Vinyl Chloride	1	0	CC	1.56	45.00	50	20		0.363	0.327	10.00	
Chloroethane	1	0		1.88	57.33	50			0.204	0.197	14.66	
Trichlorofluoromethane	1	0		2.07	58.80	50			0.629	0.739	17.60	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.45	60.70	50			0.318	0.387	21.40	
Methylene Chloride	1	0		2.80	47.12	50			0.381	0.359	5.76	
Acrolein	1	0		2.37	210.36	250			0.026	0.022	15.86	
Acrylonitrile	1	0		2.97	46.75	50			0.084	0.079	6.50	
Iodomethane	1	0		2.56	50.85	50			0.523	0.532	1.70	
Acetone	1	0		2.48	230.08	250			0.069	0.063	7.97	
Carbon Disulfide	1	0		2.63	48.27	50			1.185	1.144	3.46	
t-Butyl Alcohol	1	0		2.86	198.58	250			0.010	0.008	20.57	
n-Hexane	1	0		3.25	58.71	50			0.535	0.628	17.42	
Di-isopropyl-ether	1	0		3.40	48.55	50			1.394	1.353	2.90	
1.1-Dichloroethene	1	0	CC	2.45	52.81	50	20		0.743	0.784	5.62	
Methyl Acetate	1	0		2.72	43.46	50			0.191	0.166	13.08	
Methyl-t-butyl ether	1	0		3.02	43.65	50			0.561	0.489	12.70	
1.1-Dichloroethane	1	0	CP	3.34	50.48	50	0.1		0.818	0.826	0.96	
trans-1.2-Dichloroethene	1	0		3.02	54.65	50			0.358	0.391	9.30	
cis-1.2-Dichloroethene	1	0		3.81	51.79	50			0.768	0.796	3.58	
Bromochloromethane	1	0		3.98	48.19	50			0.360	0.347	3.62	
2.2-Dichloropropane	1	0		3.82	56.94	50			0.513	0.584	13.88	
1.4-Dioxane	1	0		5.03	2377.40	2500			0.002	0.002	4.90	
1.1-Dichloropropene	1	0		4.29	58.02	50			0.598	0.694	16.04	
Chloroform	1	0	CC	4.03	51.99	50	20		0.702	0.730	3.98	
Dibromofluoromethane	1	0	S	4.14	32.16	75			0.269	0.288	7.20	
Cyclohexane	1	0		4.23	59.23	50			0.775	0.918	18.46	
1.2-Dichloroethane-d4	1	0	S	4.38	30.42	75			0.051	0.052	1.40	
1.2-Dichloroethane	1	0		4.42	64.88	50			0.550	0.536	29.76	
2-Butanone	1	0		3.81	48.20	50			0.117	0.113	3.60	
1.1.1-Trichloroethane	1	0		4.18	55.23	50			0.573	0.633	10.46	
Carbon Tetrachloride	1	0		4.30	60.05	50			0.493	0.592	20.10	
Vinyl Acetate	1	0		3.37	47.63	50			1.257	1.198	4.74	
Bromodichloromethane	1	0		5.12	50.88	50			0.561	0.571	1.76	
Methylcyclohexane	1	0		4.95	64.61	50			0.632	0.817	29.22	
Dibromomethane	1	0		5.03	51.35	50			0.219	0.225	2.70	
1.2-Dichloropropane	1	0	CC	4.95	51.08	50	20		0.415	0.424	2.16	
Trichloroethene	1	0		4.82	56.49	50			0.395	0.447	12.98	
Benzene	1	0		4.43	69.89	50			1.514	1.531	39.78	
tert-Amyl methyl ether	1	0		4.49	43.19	50			0.527	0.455	13.62	
Chlorobenzene-d5	1	0	I	6.43	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		6.07	46.58	50			0.432	0.402	6.84	
2-Chloroethylvinylether	1	0		5.29	39.72	50			0.215	0.171	20.56	
cis-1.3-Dichloropropene	1	0		5.38	43.90	50			0.781	0.686	12.20	
trans-1.3-Dichloropropene	1	0		5.71	43.67	50			0.646	0.564	12.66	
1.1.2-Trichloroethane	1	0		5.83	41.46	50			0.337	0.280	17.08	
1.2-Dibromoethane	1	0		6.15	42.75	50			0.340	0.291	14.50	
1.3-Dichloropropane	1	0		5.93	43.33	50			0.625	0.542	13.34	
4-Methyl-2-Pentanone	1	0		5.46	40.06	50			0.319	0.255	19.88	
2-Hexanone	1	0		5.96	39.25	50			0.213	0.167	21.50	
Tetrachloroethene	1	0		5.94	54.10	50			0.465	0.504	8.20	
Toluene-d8	1	0	S	5.56	29.44	75			0.886	0.870	1.87	
Toluene	1	0	CC	5.60	43.08	50	20		1.323	1.140	13.84	
1.1.1.2-Tetrachloroethane	1	0		6.48	47.79	50			0.412	0.394	4.42	
Chlorobenzene	1	0	CP	6.44	47.83	50	0.3		1.251	1.197	4.34	
1.4-Dichlorobenzene-d4	1	0	I	7.85	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.94	39.02	50	0.1		0.508	0.397	21.96	
Ethylbenzene	1	0	CC	6.50	50.40	50	20		0.901	0.908	0.80	
1.1.2.2-Tetrachloroethane	1	0	CP	7.18	35.23	50	0.3		0.673	0.474	29.54	
Bromofluorobenzene	1	0	S	7.13	29.53	75			0.847	0.834	1.57	
Styrene	1	0		6.81	45.48	50			2.252	2.048	9.04	
m&p-Xylenes	1	0		6.57	89.56	100			1.489	1.333	10.44	
o-Xylene	1	0		6.80	45.60	50			1.406	1.282	8.80	
trans-1.4-Dichloro-2-butene	1	0		7.22	35.69	50			0.276	0.197	28.62	
1.3-Dichlorobenzene	1	0		7.81	57.93	50			1.725	1.508	15.86	
1.4-Dichlorobenzene	1	0		7.87	42.93	50			1.731	1.486	14.14	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/Q - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M52265.D **Instrument:** GCMS 1

Cont Calibration Date/Time 12/16/2009 8:30:00 **Method:** EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		8.10	40.05	50			1.535	1.229	19.90	
Isopropylbenzene	1	0		7.02	48.21	50			3.757	3.622	3.58	
Cyclohexanone	1	0		7.09	172.71				0.018			
1.2.3-Trichloropropane	1	0		7.23	37.31	50			0.918	0.685	25.38	
2-Chlorotoluene	1	0		7.35	45.01	50			2.458	2.213	9.98	
p-Ethyltoluene	1	0		7.34	42.29				4.647			
4-Chlorotoluene	1	0		7.40	45.22	50			2.400	2.171	9.56	
n-Propylbenzene	1	0		7.28	46.83	50			4.735	4.435	6.34	
Bromobenzene	1	0		7.24	41.13	50			2.396	1.971	17.74	
1.3.5-Trimethylbenzene	1	0		7.36	52.06	50			2.710	2.769	4.12	
t-Butylbenzene	1	0		7.58	48.03	50			2.929	2.814	3.94	
1.2.4-Trimethylbenzene	1	0		7.61	44.80	50			3.244	2.907	10.40	
sec-Butylbenzene	1	0		7.72	48.66	50			3.942	3.837	2.68	
4-Isopropyltoluene	1	0		7.80	48.47	50			3.116	3.021	3.06	
n-Butylbenzene	1	0		8.05	47.20	50			4.095	3.866	5.60	
p-Diethylbenzene	1	0		8.03	48.73				2.056			
1.2.4.5-Tetramethylbenzene	1	0		8.55	38.23				3.032			
1.2-Dibromo-3-Chloropropane	1	0		8.60	29.50	50			0.118	0.069	41.00	
Hexachlorobutadiene	1	0		9.25	40.91	50			0.985	0.806	18.18	
1.2.4-Trichlorobenzene	1	0		9.15	36.31	50			1.062	0.771	27.38	
1.2.3-Trichlorobenzene	1	0		9.47	34.31	50			0.962	0.660	31.38	
Naphthalene	1	0		9.32	32.43	50			1.427	0.925	35.14	
Freon 113	1	100		0.00	0.00	50				0.000	100.00	
1.2-Dioxane	1	100		0.00	0.00	5000				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52265.D Sam Mult : 1 Vial# : 2 Qt On : 12/16/09 08:43
Acq On : 12/16/09 08:30 Misc : S,5G:.4 Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.595	96	113067	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.428	117	96185	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.848	152	57602	30.00	ug/l	-0.03
System Monitoring Compounds						
30) Dibromofluoromethane	4.142	111	32583	32.16	ug/l	-0.03
Spiked Amount 30.000			Recovery =	107.20%		
32) 1,2-Dichloroethane-d4	4.378	102	5856	30.42	ug/l	-0.02
Spiked Amount 30.000			Recovery =	101.40%		
56) Toluene-d8	5.561	100	83661	29.44	ug/l	-0.02
Spiked Amount 30.000			Recovery =	98.13%		
64) Bromofluorobenzene	7.128	174	48018	29.53	ug/l	-0.02
Spiked Amount 30.000			Recovery =	98.43%		
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.363	51	130814	47.43	ug/l	1
3) Dichlorodifluoromethane	1.363	85	61239	34.96	ug/l	96
4) Chloromethane	1.497	50	65501	37.13	ug/l	99
5) Bromomethane	1.816	94	33735	46.25	ug/l	99
6) Vinyl Chloride	1.564	62	61645	45.00	ug/l	95
7) Chloroethane	1.883	64	37153	57.33	ug/l	96
8) Trichlorofluoromethane	2.067	101	139345	58.80	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.447	101	72836	60.70	ug/l	92
10) Methylene Chloride	2.802	84	67640	47.12	ug/l	98
11) Acrolein	2.368	56	20983	210.36	ug/l	99
12) Acrylonitrile	2.969	53	14883	46.75	ug/l	87
13) Iodomethane	2.565	142	100242	50.85	ug/l	79
14) Acetone	2.476	43	59567	230.08	ug/l	92
15) Carbon Disulfide	2.634	76	215510	48.27	ug/l	100
16) t-Butyl Alcohol	2.861	59	7832	198.58	ug/l	72
17) n-Hexane	3.245	57	118275	58.71	ug/l	92
18) Di-isopropyl-ether	3.403	45	255053	48.55	ug/l	89
19) 1,1-Dichloroethene	2.447	61	147807	52.81	ug/l	86
20) Methyl Acetate	2.723	43	31205	43.46	ug/l	100
21) Methyl-t-butyl ether	3.018	73	92238	43.65	ug/l	69
22) 1,1-Dichloroethane	3.344	63	155592	50.48	ug/l	99
23) trans-1,2-Dichloroethene	3.018	96	73721	54.65	ug/l	85
24) cis-1,2-Dichloroethene	3.807	61	150013	51.79	ug/l	90
25) Bromochloromethane	3.984	49	65473	48.19	ug/l	77
26) 2,2-Dichloropropane	3.817	77	110144	56.94	ug/l	88
27) 1,4-Dioxane	5.029	88	17367	2377.40	ug/l	75
28) 1,1-Dichloropropene	4.290	75	130772	58.02	ug/l	96
29) Chloroform	4.034	83	137524	51.99	ug/l	100
31) Cyclohexane	4.231	56	173006	59.23	ug/l	89
33) 1,2-Dichloroethane	4.418	62	100937	64.88	ug/l	98
34) 2-Butanone	3.807	43	21302	48.20	ug/l	96
35) 1,1,1-Trichloroethane	4.181	97	119355	55.23	ug/l	100
36) Carbon Tetrachloride	4.300	117	111636	60.05	ug/l	91
37) Vinyl Acetate	3.373	43	225682	47.63	ug/l	100
38) Bromodichloromethane	5.118	83	107508	50.88	ug/l	95
39) Methylcyclohexane	4.950	83	153989	64.61	ug/l	82
40) Dibromomethane	5.029	174	42473	51.35	ug/l	93
41) 1,2-Dichloropropane	4.950	63	79819	51.08	ug/l	86
42) Trichloroethene	4.822	130	84163	56.49	ug/l	92
43) Benzene	4.428	78	288468	69.89	ug/l	100
44) tert-Amyl methyl ether	4.487	73	85803	43.19	ug/l	89
46) Dibromochloromethane	6.074	129	64500	46.58	ug/l	97
47) 2-Chloroethylvinylether	5.285	63	27386	39.72	ug/l	94
48) cis-1,3-Dichloropropene	5.384	75	109986	43.90	ug/l	99
49) trans-1,3-Dichloropropene	5.709	75	90455	43.67	ug/l	100
50) 1,1,2-Trichloroethane	5.827	97	44850	41.46	ug/l	98
51) 1,2-Dibromoethane	6.152	107	46605	42.75	ug/l	97
52) 1,3-Dichloropropane	5.926	76	86877	43.33	ug/l	97
53) 4-Methyl-2-Pentanone	5.463	43	40928	40.06	ug/l	99
54) 2-Hexanone	5.955	43	26813	39.25	ug/l	98
55) Tetrachloroethene	5.936	164	80737	54.10	ug/l	99
57) Toluene	5.601	92	182779	43.08	ug/l	100
58) 1,1,1,2-Tetrachloroethane	6.478	133	63103	47.79	ug/l	97
59) Chlorobenzene	6.438	112	191931	47.83	ug/l	97
61) Bromoform	6.941	173	38077	39.02	ug/l	98
62) Ethylbenzene	6.497	106	87204	50.40	ug/l	97
63) 1,1,2,2-Tetrachloroethane	7.177	83	45495	35.23	ug/l	89
65) Styrene	6.813	104	196620	45.48	ug/l	89
66) m&p-Xylenes	6.566	106	256011	89.56	ug/l	99

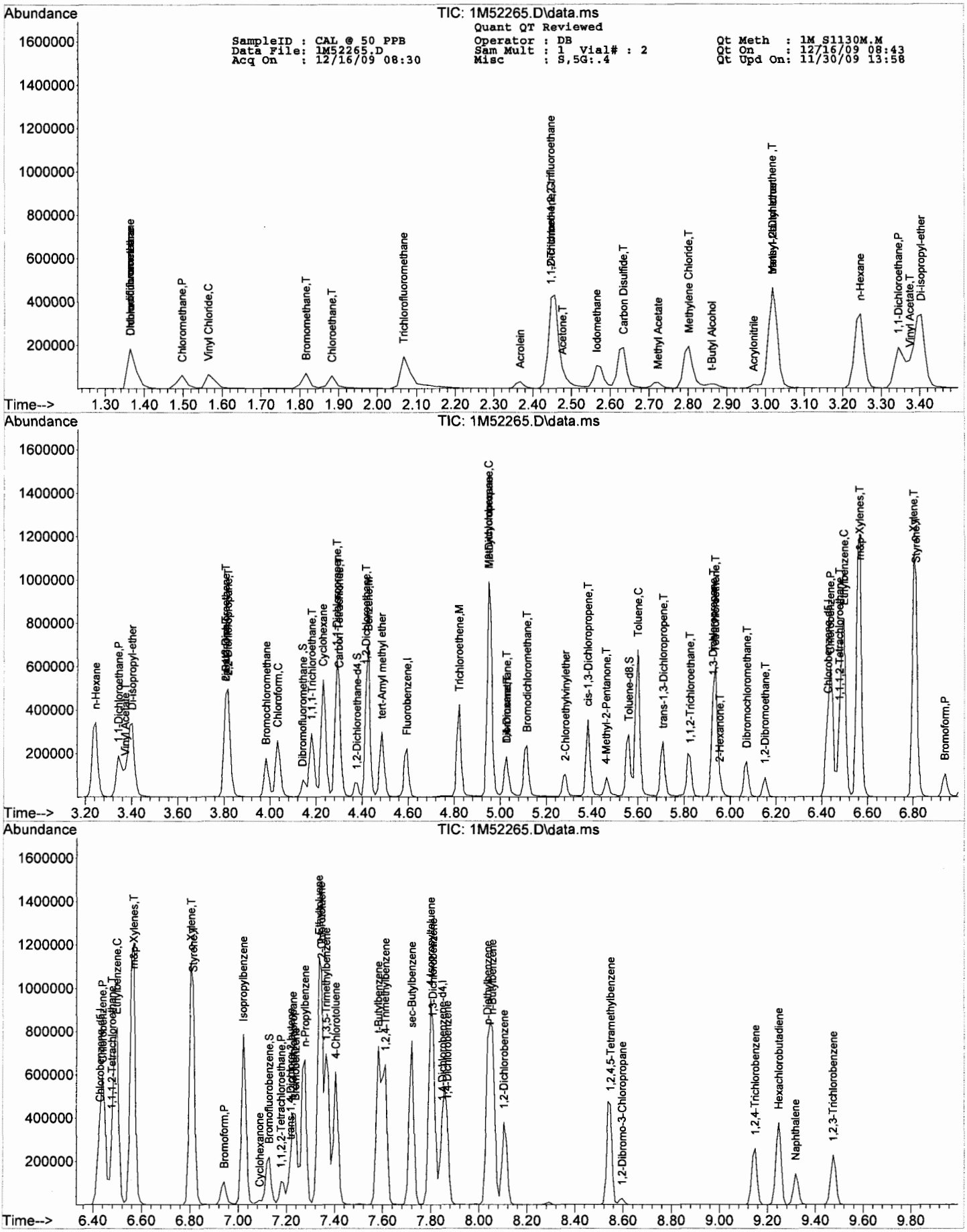
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52265.D Sam Mult : 1 Vial# : 2 Qt On : 12/16/09 08:43
Acq On : 12/16/09 08:30 Misc : S,5G:.4 Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.803	106	123087	45.60 ug/l	86
68) trans-1,4-Dichloro-2-b...	7.217	53	18906	35.69 ug/l	79
69) 1,3-Dichlorobenzene	7.808	146	144740	57.93 ug/l	88
70) 1,4-Dichlorobenzene	7.867	146	142663	42.93 ug/l	93
71) 1,2-Dichlorobenzene	8.104	146	118034	40.05 ug/l	91
72) Isopropylbenzene	7.020	105	347707	48.21 ug/l	97
73) Cyclohexanone	7.089	55	6012	172.71 ug/l	96
74) 1,2,3-Trichloropropane	7.227	75	65789	37.31 ug/l	91
75) 2-Chlorotoluene	7.345	91	212480	45.01 ug/l	96
76) p-Ethyltoluene	7.335	105	375713	42.29 ug/l	96
77) 4-Chlorotoluene	7.404	91	208384	45.22 ug/l	95
78) n-Propylbenzene	7.276	91	425730	46.83 ug/l	99
79) Bromobenzene	7.237	77	189225	41.13 ug/l	84
80) 1,3,5-Trimethylbenzene	7.365	105	265800	52.06 ug/l	99
81) t-Butylbenzene	7.582	119	270147	48.03 ug/l	88
82) 1,2,4-Trimethylbenzene	7.611	105	279055	44.80 ug/l	96
83) sec-Butylbenzene	7.720	105	368355	48.66 ug/l	98
84) 4-Isopropyltoluene	7.798	119	289995	48.47 ug/l	94
85) n-Butylbenzene	8.055	91	371152	47.20 ug/l	98
86) p-Diethylbenzene	8.035	119	192337	48.73 ug/l	95
87) 1,2,4,5-Tetramethylben...	8.547	119	222599	38.23 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	8.597	157	6669	29.50 ug/l	80
89) Hexachlorobutadiene	9.247	225	77406	40.91 ug/l	99
90) 1,2,4-Trichlorobenzene	9.149	180	74056	36.31 ug/l	98
91) 1,2,3-Trichlorobenzene	9.474	180	63382	34.31 ug/l	97
92) Naphthalene	9.316	128	88835	32.43 ug/l	100

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


Abundance
TIC: 1M52265.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M52265.D
Acq On : 12/16/09 08:30
Operator : DB
Sam Mult : 1 Vial# : 2
Misc : S,5G:.4
Qt Meth : 1M_S1130M.M
Qt On : 12/16/09 08:43
Qt Upd On: 11/30/09 13:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Vinyl Acetate,T
Di-isopropyl-ether
Time-->

GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE **Data File:** 1M51530.D
Instrument: GCMS 1 **Analysis Date:** 11/30/09 08:25
Method: EPA 8260B
Tune Scan/Time Range: Average of 4.482 to 4.492 min

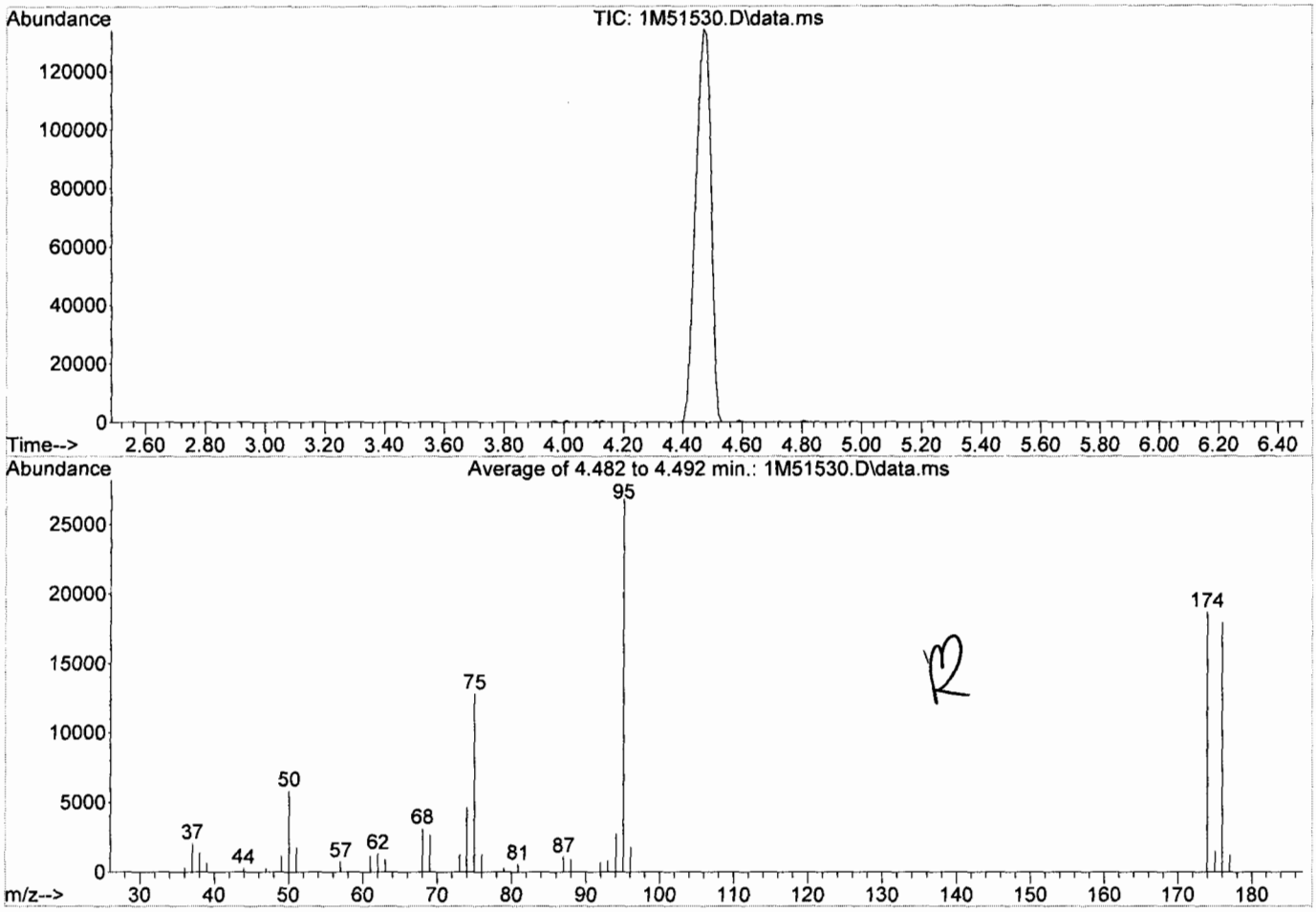
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.7	5820	PASS
75	95	30	60	47.8	12811	PASS
95	95	100	100	100.0	26828	PASS
96	95	5	9	6.7	1802	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.7	18704	PASS
175	174	5	9	8.0	1501	PASS
176	174	95	101	95.9	17942	PASS
177	176	5	9	6.7	1205	PASS

Data File	Sample Number	Analysis Date:
1M51531.D	CAL @ 50 PPB	11/30/09 08:35
1M51532.D	BLK	11/30/09 08:51
1M51533.D	CAL @ 500 PPB	11/30/09 09:10
1M51534.D	CAL @ 250 PPB	11/30/09 09:26
1M51535.D	CAL @ 100 PPB	11/30/09 09:42
1M51536.D	CAL @ 50 PPB	11/30/09 09:58
1M51537.D	CAL @ 20 PPB	11/30/09 10:14
1M51538.D	CAL @ 10 PPB	11/30/09 10:30
1M51539.D	CAL @ 5 PPB	11/30/09 10:46
1M51540.D	BLK	11/30/09 11:03
1M51541.D	CAL @ 0.5 PPB	11/30/09 11:19
1M51542.D	CAL @ 1 PPB	11/30/09 11:35
1M51543.D	ICV	11/30/09 11:51
1M51544.D	BLK	11/30/09 12:13
1M51545.D	DAILY BLANK	11/30/09 12:29
1M51547.D	MBS14155	11/30/09 12:53
1M51548.D	MBS14156	11/30/09 13:17

Data Path : G:\GcMsData\2009\GCMS_1\Data\11-30-09\
Data File : 1M51530.D
Acq On : 30 Nov 2009 8:25
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 4 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1118.M
Title : @GCMS_1,ug,624,8260
Last Update : Wed Nov 18 13:43:13 2009



Spectrum Information: Average of 4.482 to 4.492 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	5820	PASS
75	95	30	60	47.8	12811	PASS
95	95	100	100	100.0	26828	PASS
96	95	5	9	6.7	1802	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.7	18704	PASS
175	174	5	9	8.0	1501	PASS
176	174	95	101	95.9	17942	PASS
177	176	5	9	6.7	1205	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M52209.D
Analysis Date: 12/15/09 07:12
Method: EPA 8260B

Tune Scan/Time Range: Scan 58

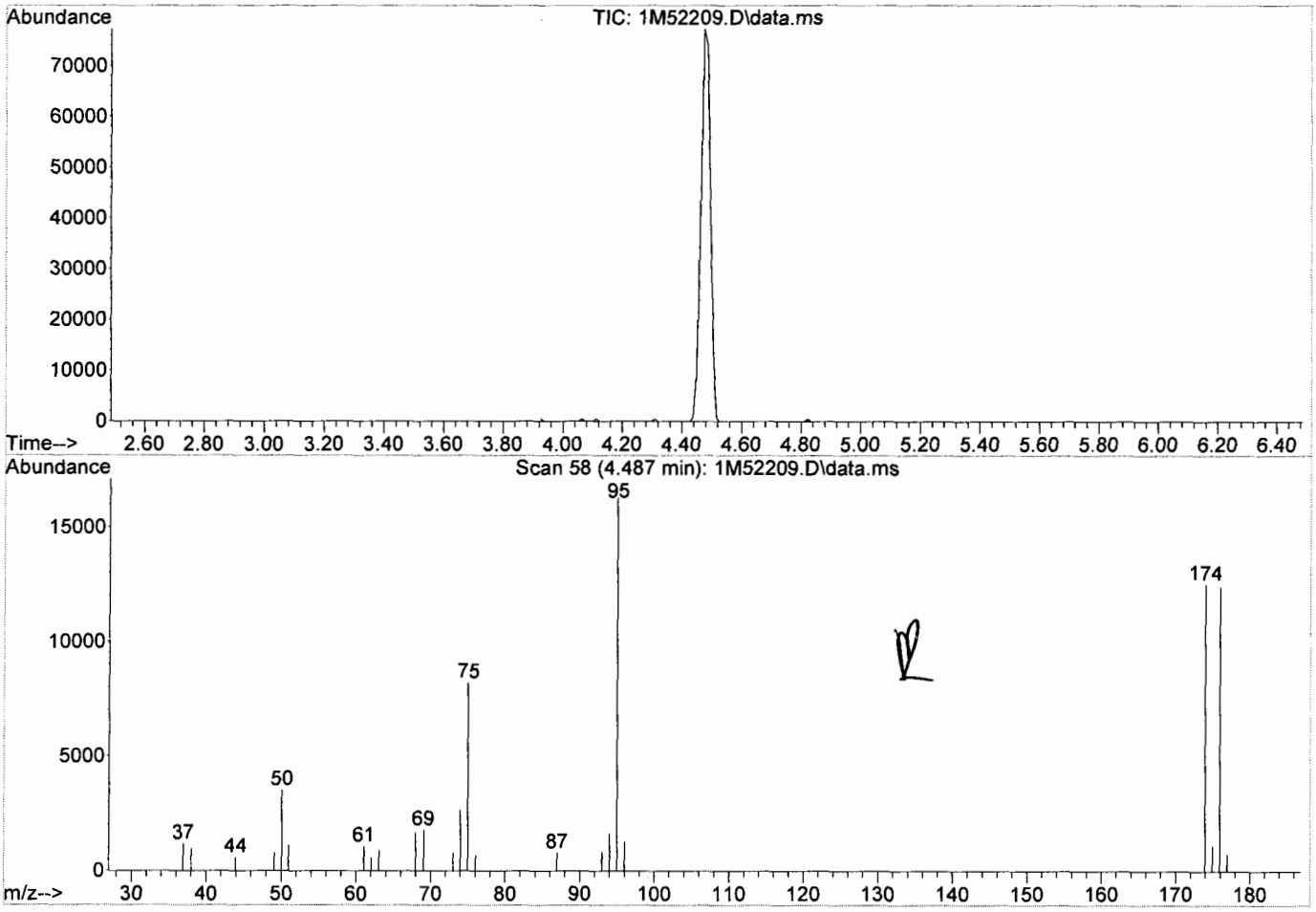
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.5	3503	PASS
75	95	30	60	50.5	8229	PASS
95	95	100	100	100.0	16283	PASS
96	95	5	9	7.8	1269	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.0	12540	PASS
175	174	5	9	8.9	1121	PASS
176	174	95	101	98.9	12402	PASS
177	176	5	9	6.0	744	PASS

Data File	Sample Number	Analysis Date:
1M52210.D	CAL @ 50 PPB	12/15/09 07:26
1M52211.D	BLK	12/15/09 07:49
1M52212.D	DAILY BLANK	12/15/09 08:05
1M52213.D	MBS14322	12/15/09 08:21
1M52214.D	BLK	12/15/09 08:37
1M52215.D	AC48818-006	12/15/09 08:53
1M52216.D	MBS14329	12/15/09 09:09
1M52217.D	AC48850-034	12/15/09 09:26
1M52218.D	AC48870-001	12/15/09 09:42
1M52219.D	AC48870-002	12/15/09 09:58
1M52220.D	AC48870-003	12/15/09 10:14
1M52221.D	AC48870-004	12/15/09 10:30
1M52222.D	AC48883-001	12/15/09 10:46
1M52223.D	AC48883-002	12/15/09 11:03
1M52224.D	AC48883-003	12/15/09 11:19
1M52225.D	AC48883-004	12/15/09 11:35
1M52226.D	AC48883-005	12/15/09 11:51
1M52227.D	AC48883-006	12/15/09 12:07
1M52228.D	AC48883-007	12/15/09 12:23
1M52229.D	AC48883-008	12/15/09 12:40
1M52230.D	AC48866-001	12/15/09 12:56
1M52231.D	AC48866-002	12/15/09 13:12
1M52232.D	AC48866-003	12/15/09 13:28
1M52233.D	AC48866-004	12/15/09 13:44
1M52234.D	AC48866-005	12/15/09 14:00
1M52235.D	AC48866-009	12/15/09 14:16
1M52236.D	AC48726-006	12/15/09 14:33
1M52237.D	AC48850-024(MS)	12/15/09 14:49
1M52238.D	AC48850-024(MSD	12/15/09 15:05
1M52239.D	BLK	12/15/09 15:21
1M52240.D	BLK	12/15/09 15:37
1M52241.D	MBS14334	12/15/09 15:53
1M52242.D	AC48726-009	12/15/09 16:09
1M52243.D	MBS14335	12/15/09 16:25
1M52244.D	AC48726-021	12/15/09 16:42
1M52245.D	AC48850-031(MS)	12/15/09 16:58
1M52246.D	AC48850-031(MSD	12/15/09 17:14
1M52247.D	AC48887-007	12/15/09 17:30
1M52248.D	AC48887-006	12/15/09 17:46
1M52249.D	AC48787-001	12/15/09 18:02
1M52250.D	AC48787-002	12/15/09 18:18
1M52251.D	AC48892-004	12/15/09 18:34
1M52252.D	AC48892-002	12/15/09 18:50
1M52253.D	AC48892-001(5X)	12/15/09 19:06
1M52254.D	AC48887-008(5X)	12/15/09 19:22
1M52255.D	BLK	12/15/09 19:38
1M52256.D	BLK	12/15/09 19:55
1M52257.D	BLK	12/15/09 20:11
1M52258.D	BLK	12/15/09 20:27
1M52259.D	BLK	12/15/09 20:43

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-15-09\
Data File : 1M52209.D
Acq On : 15 Dec 2009 7:12
Operator : DB
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260
Last Update : Mon Nov 30 13:58:21 2009



Spectrum Information: Scan 58

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	3503	PASS
75	95	30	60	50.5	8229	PASS
95	95	100	100	100.0	16283	PASS
96	95	5	9	7.8	1269	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.0	12540	PASS
175	174	5	9	8.9	1121	PASS
176	174	95	101	98.9	12402	PASS
177	176	5	9	6.0	744	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 1M52264.D
Instrument: GCMS 1 **Analysis Date:** 12/16/09 08:12
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.408 to 4.467 min

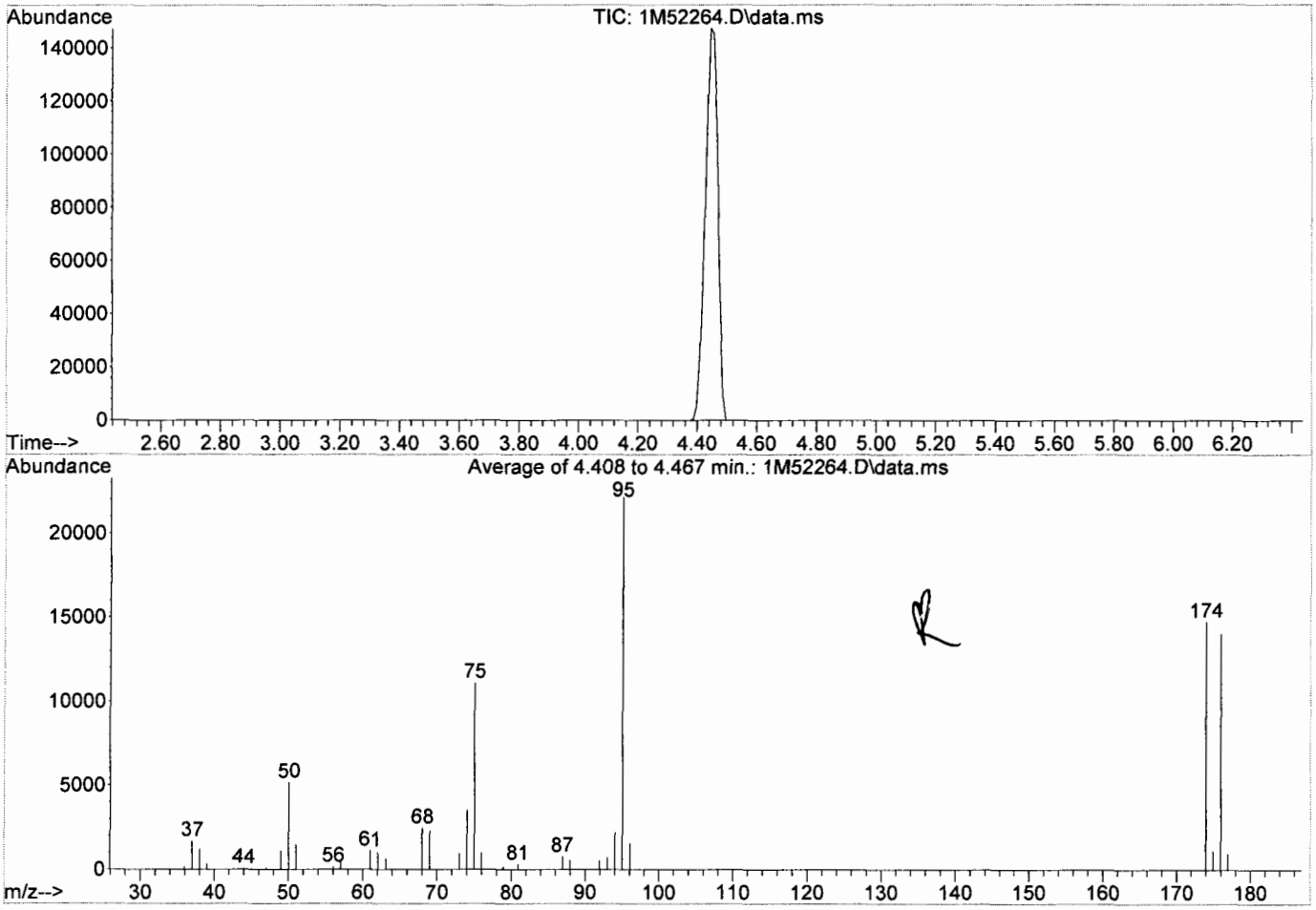
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	23.3	5167	PASS
75	95	30	60	50.1	11108	PASS
95	95	100	100	100.0	22159	PASS
96	95	5	9	7.1	1579	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.6	14754	PASS
175	174	5	9	7.6	1128	PASS
176	174	95	101	95.0	14017	PASS
177	176	5	9	6.7	945	PASS

Data File	Sample Number	Analysis Date:
1M52265.D	CAL @ 50 PPB	12/16/09 08:30
1M52266.D	BLK	12/16/09 08:53
1M52267.D	BLK	12/16/09 09:10
1M52268.D	DAILY BLANK	12/16/09 09:26
1M52269.D	BLK	12/16/09 09:42
1M52270.D	AC48866-003	12/16/09 10:00
1M52271.D	AC48892-003	12/16/09 10:16
1M52272.D	MBS14339	12/16/09 10:32
1M52273.D	AC48726-021	12/16/09 10:48
1M52274.D	AC48909-001	12/16/09 11:04
1M52275.D	AC48909-002	12/16/09 11:20
1M52276.D	AC48909-003	12/16/09 11:37
1M52277.D	AC48908-003	12/16/09 11:53
1M52278.D	BLK	12/16/09 12:09
1M52279.D	AC48787-002(MS)	12/16/09 12:25
1M52280.D	AC48787-002(MSD	12/16/09 12:41
1M52281.D	BLK	12/16/09 12:57
1M52282.D	AC48892-004	12/16/09 13:13
1M52283.D	AC48892-001	12/16/09 13:30
1M52284.D	AC48887-008	12/16/09 13:46
1M52285.D	AC48886-002	12/16/09 14:02
1M52286.D	AC48886-001	12/16/09 14:18
1M52287.D	BLK	12/16/09 14:34
1M52288.D	AC48906-001	12/16/09 14:50
1M52289.D	AC48906-002	12/16/09 15:06
1M52290.D	AC48906-003	12/16/09 15:22
1M52291.D	AC48906-004	12/16/09 15:39
1M52292.D	BLK	12/16/09 15:55
1M52293.D	BLK	12/16/09 16:11
1M52294.D	AC48892-003	12/16/09 16:27
1M52295.D	MBS14345	12/16/09 16:43
1M52296.D	AC48787-001(MS)	12/16/09 16:59
1M52297.D	AC48787-001(MSD	12/16/09 17:15
1M52298.D	BLK	12/16/09 17:31
1M52299.D	AC48920-001	12/16/09 17:48
1M52300.D	AC48920-002	12/16/09 18:04
1M52301.D	AC48920-003	12/16/09 18:20
1M52302.D	AC48920-004	12/16/09 18:36
1M52303.D	AC48920-005	12/16/09 18:52
1M52304.D	AC48920-006	12/16/09 19:08
1M52305.D	AC48920-007	12/16/09 19:24
1M52306.D	AC48920-008	12/16/09 19:40
1M52307.D	AC48787-002(MSD	12/16/09 19:56
1M52308.D	BLK	12/16/09 20:12
1M52309.D	BLK	12/16/09 20:28
1M52310.D	BLK	12/16/09 20:44
1M52311.D	BLK	12/16/09 21:00

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52264.D
Acq On : 16 Dec 2009 8:12
Operator : DB
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260
Last Update : Mon Nov 30 13:58:21 2009



Spectrum Information: Average of 4.408 to 4.467 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	5167	PASS
75	95	30	60	50.1	11108	PASS
95	95	100	100	100.0	22159	PASS
96	95	5	9	7.1	1579	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.6	14754	PASS
175	174	5	9	7.6	1128	PASS
176	174	95	101	95.0	14017	PASS
177	176	5	9	6.7	945	PASS

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M52268.D
Analysis Date: 12/16/09 09:26
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0050	U	56-23-5	Carbon Tetrachloride	0.0050	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0050	U	108-90-7	Chlorobenzene	0.0050	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0050	U	75-00-3	Chloroethane	0.0050	U
79-00-5	1,1,2-Trichloroethane	0.0050	U	67-66-3	Chloroform	0.0050	U
75-34-3	1,1-Dichloroethane	0.0050	U	74-87-3	Chloromethane	0.0050	U
75-35-4	1,1-Dichloroethene	0.0050	U	156-59-2	cis-1,2-Dichloroethene	0.0050	U
96-18-4	1,2,3-Trichloropropane	0.0050	U	10061-01-5	cis-1,3-Dichloropropene	0.0050	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U	124-48-1	Dibromochloromethane	0.0050	U
95-50-1	1,2-Dichlorobenzene	0.0050	U	75-71-8	Dichlorodifluoromethane	0.0050	U
107-06-2	1,2-Dichloroethane	0.0050	U	100-41-4	Ethylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0050	U	98-82-8	Isopropylbenzene	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U	136777612	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0050	U	75-09-2	Methylene Chloride	0.0050	U
142-28-9	1,3-Dichloropropane	0.0050	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0050	U	104-51-8	n-Butylbenzene	0.0010	U
123-91-1	1,4-Dioxane	0.25	U	103-65-1	n-Propylbenzene	0.0010	U
78-93-3	2-Butanone	0.0050	U	95-47-6	o-Xylene	0.0010	U
110-75-8	2-Chloroethylvinylether	0.0050	U	135-98-8	sec-Butylbenzene	0.0010	U
591-78-6	2-Hexanone	0.0050	U	100-42-5	Styrene	0.0050	U
99-87-6	4-Isopropyltoluene	0.0010	U	75-65-0	t-Butyl Alcohol	0.025	U
108-10-1	4-Methyl-2-Pentanone	0.0050	U	98-06-6	t-Butylbenzene	0.0010	U
67-64-1	Acetone	0.025	U	127-18-4	Tetrachloroethene	0.0050	U
107-02-8	Acrolein	0.025	U	108-88-3	Toluene	0.0010	U
107-13-1	Acrylonitrile	0.0050	U	156-60-5	trans-1,2-Dichloroethene	0.0050	U
71-43-2	Benzene	0.0010	U	10061-02-6	trans-1,3-Dichloropropene	0.0050	U
75-27-4	Bromodichloromethane	0.0050	U	79-01-6	Trichloroethene	0.0050	U
75-25-2	Bromoform	0.0050	U	75-69-4	Trichlorofluoromethane	0.0050	U
74-83-9	Bromomethane	0.0050	U	75-01-4	Vinyl Chloride	0.0050	U
75-15-0	Carbon Disulfide	0.0050	U				

Worksheet #: 138336

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number:	DAILY BLANK	Matrix:	Soil
Client Id:		Initial Vol:	5g
Data File:	1M52268.D	Final Vol:	NA
Analysis Date:	12/16/09 09:26	Dilution:	1.00
Date Rec/Extracted:		Solids:	100
		Method:	EPA 8260B

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 138336

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

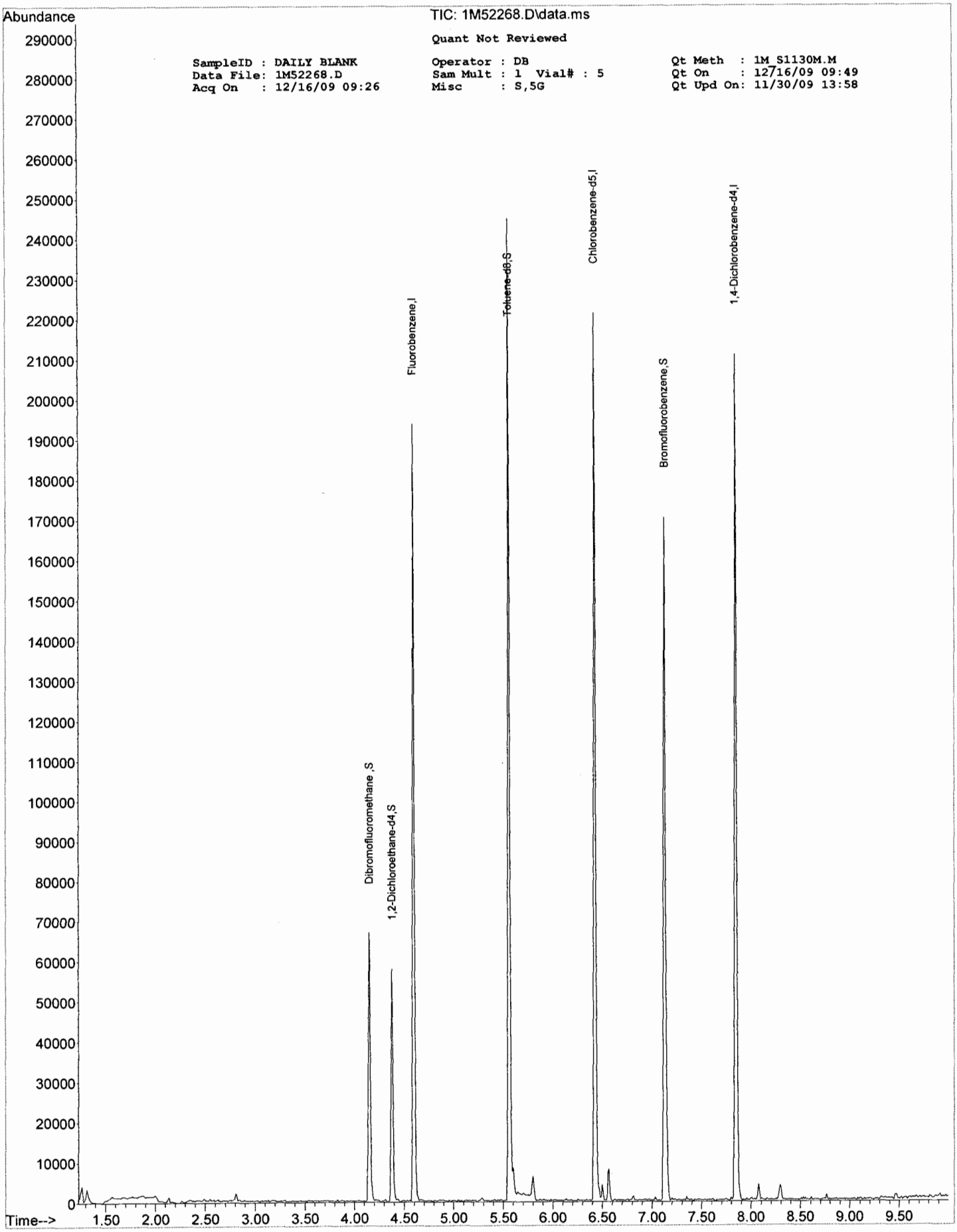
Quantitation Report (Not Reviewed)

SampleID : DAILY BLANK Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52268.D Sam Mult : 1 Vial# : 5 Qt On : 12/16/09 09:49
Acq On : 12/16/09 09:26 Misc : S,5G Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.595	96	86488	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.429	117	77579	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.848	152	41366	30.00	ug/l	-0.03
System Monitoring Compounds						
30) Dibromofluoromethane	4.152	111	27546	35.54	ug/l	-0.02
Spiked Amount 30.000			Recovery = 118.47%			
32) 1,2-Dichloroethane-d4	4.379	102	4458	30.27	ug/l	-0.02
Spiked Amount 30.000			Recovery = 100.90%			
56) Toluene-d8	5.561	100	61744	26.94	ug/l	-0.02
Spiked Amount 30.000			Recovery = 89.80%			
64) Bromofluorobenzene	7.128	174	35875	30.72	ug/l	-0.02
Spiked Amount 30.000			Recovery = 102.40%			
Target Compounds						Qvalue
Library Search Compounds						

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


Abundance
TIC: 1M52268.D\data.ms
Quant Not Reviewed
SampleID : DAILY BLANK
Data File: 1M52268.D
Acq On : 12/16/09 09:26
Operator : DB
Sam Mult : 1 Vial# : 5
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 12/16/09 09:49
Qt Upd On: 11/30/09 13:58
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52268.D
Acq On : 16 Dec 2009 9:26
Operator : DB
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M52268.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.311	4	6	12	rVB2	3352	6830	2.33%	0.414%
2	1.562	15	21	24	rBV3	1696	9473	3.23%	0.574%
3	1.680	26	28	30	rBV2	377	1190	0.41%	0.072%
4	1.764	30	33	36	rVV3	712	3242	1.11%	0.196%
5	1.864	36	39	41	rVV2	1123	4440	1.51%	0.269%
6	1.931	41	43	45	rVV2	978	3753	1.28%	0.227%
7	1.998	45	47	50	rVB2	1450	3510	1.20%	0.213%
8	2.132	53	55	56	rBV	1238	1381	0.47%	0.084%
9	2.266	61	63	64	rBV	561	788	0.27%	0.048%
10	2.348	64	68	71	rBV	663	2335	0.80%	0.141%
11	2.417	73	75	77	rBV	378	640	0.22%	0.039%
12	2.486	79	82	84	rBV2	607	685	0.23%	0.042%
13	2.624	93	96	100	rVB	491	903	0.31%	0.055%
14	2.802	110	114	117	rBV2	1829	2747	0.94%	0.166%
15	3.019	133	136	139	rVB	422	796	0.27%	0.048%
16	3.166	149	151	157	rVB	455	1230	0.42%	0.075%
17	3.295	161	164	168	rVB	364	572	0.20%	0.035%
18	3.876	220	223	226	rBV	254	537	0.18%	0.033%
19	4.152	247	251	256	rBV	66789	91949	31.36%	5.572%
20	4.310	262	267	268	rBB	411	580	0.20%	0.035%
21	4.379	271	274	278	rBV	57605	74918	25.55%	4.540%
22	4.428	278	279	282	rVB	755	1022	0.35%	0.062%
23	4.497	282	286	288	rBV	428	1216	0.41%	0.074%
24	4.595	293	296	299	rBV	193534	231529	78.97%	14.030%
25	4.655	301	302	306	rVB	346	615	0.21%	0.037%
26	4.802	315	317	319	rBV	471	883	0.30%	0.054%
27	5.000	334	337	340	rBB	419	1016	0.35%	0.062%
28	5.039	340	341	343	rBB	529	578	0.20%	0.035%
29	5.128	346	350	352	rBV	438	1222	0.42%	0.074%
30	5.285	361	366	368	rBV2	965	2293	0.78%	0.139%
31	5.335	370	371	374	rVB	365	607	0.21%	0.037%
32	5.561	391	394	397	rBV	244620	293019	99.94%	17.756%
33	5.601	397	398	401	rVV2	7650	7928	2.70%	0.480%
34	5.640	401	402	406	rVV2	1324	2938	1.00%	0.178%
35	5.699	406	408	412	rVB2	653	1390	0.47%	0.084%

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52268.D
Acq On : 16 Dec 2009 9:26
Operator : DB
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

36	5.798	414	418	421	rVB	6024	10360	3.53%	0.628%
37	5.906	426	429	432	rVB	349	533	0.18%	0.032%
38	6.133	449	452	453	rBV	520	658	0.22%	0.040%
39	6.251	463	464	468	rBV	424	519	0.18%	0.031%
40	6.429	478	482	487	rBV	221114	289964	98.90%	17.570%
41	6.498	487	489	492	rVB	3956	3865	1.32%	0.234%
42	6.567	493	496	499	rVB	7849	10529	3.59%	0.638%
43	6.626	499	502	504	rBV	399	548	0.19%	0.033%
44	6.813	516	521	522	rBV	1054	1535	0.52%	0.093%
45	6.931	528	533	535	rVB	319	639	0.22%	0.039%
46	7.030	541	543	545	rVB	832	827	0.28%	0.050%
47	7.128	549	553	558	rVB2	170198	245788	83.83%	14.894%
48	7.197	558	560	561	rBV	608	558	0.19%	0.034%
49	7.345	574	575	578	rBV	920	839	0.29%	0.051%
50	7.395	578	580	582	rVB	483	679	0.23%	0.041%
51	7.424	582	583	585	rBV	395	609	0.21%	0.037%
52	7.611	600	602	605	rVB	640	925	0.32%	0.056%
53	7.749	614	616	619	rVB	562	1007	0.34%	0.061%
54	7.799	619	621	622	rBV	946	1054	0.36%	0.064%
55	7.848	622	626	632	rVB	210731	293182	100.00%	17.765%
56	8.006	638	642	643	rBV	588	808	0.28%	0.049%
57	8.075	646	649	651	rBV2	3868	4434	1.51%	0.269%
58	8.104	651	652	656	rVB	577	763	0.26%	0.046%
59	8.163	656	658	661	rBV	437	775	0.26%	0.047%
60	8.291	668	671	675	rVB2	3619	5801	1.98%	0.352%
61	8.735	713	716	718	rBV	380	788	0.27%	0.048%
62	8.764	718	719	721	rVB	1345	995	0.34%	0.060%
63	8.902	730	733	736	rBV	295	647	0.22%	0.039%
64	9.109	752	754	755	rVB	516	522	0.18%	0.032%
65	9.208	762	764	767	rVB	477	761	0.26%	0.046%
66	9.316	772	775	778	rBV	726	1374	0.47%	0.083%
67	9.425	784	786	788	rVB	573	775	0.26%	0.047%
68	9.464	788	790	792	rBV2	1350	2415	0.82%	0.146%
69	9.523	794	796	797	rVB	605	591	0.20%	0.036%
70	9.563	797	800	802	rBV2	582	1191	0.41%	0.072%
71	9.612	802	805	806	rBV2	541	969	0.33%	0.059%
72	9.632	806	807	810	rVV2	306	502	0.17%	0.030%
73	9.809	824	825	828	rBV2	651	848	0.29%	0.051%
74	9.868	828	831	833	rBV	487	970	0.33%	0.059%
75	9.918	833	836	838	rVB	743	991	0.34%	0.060%

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52268.D
Acq On : 16 Dec 2009 9:26
Operator : DB
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

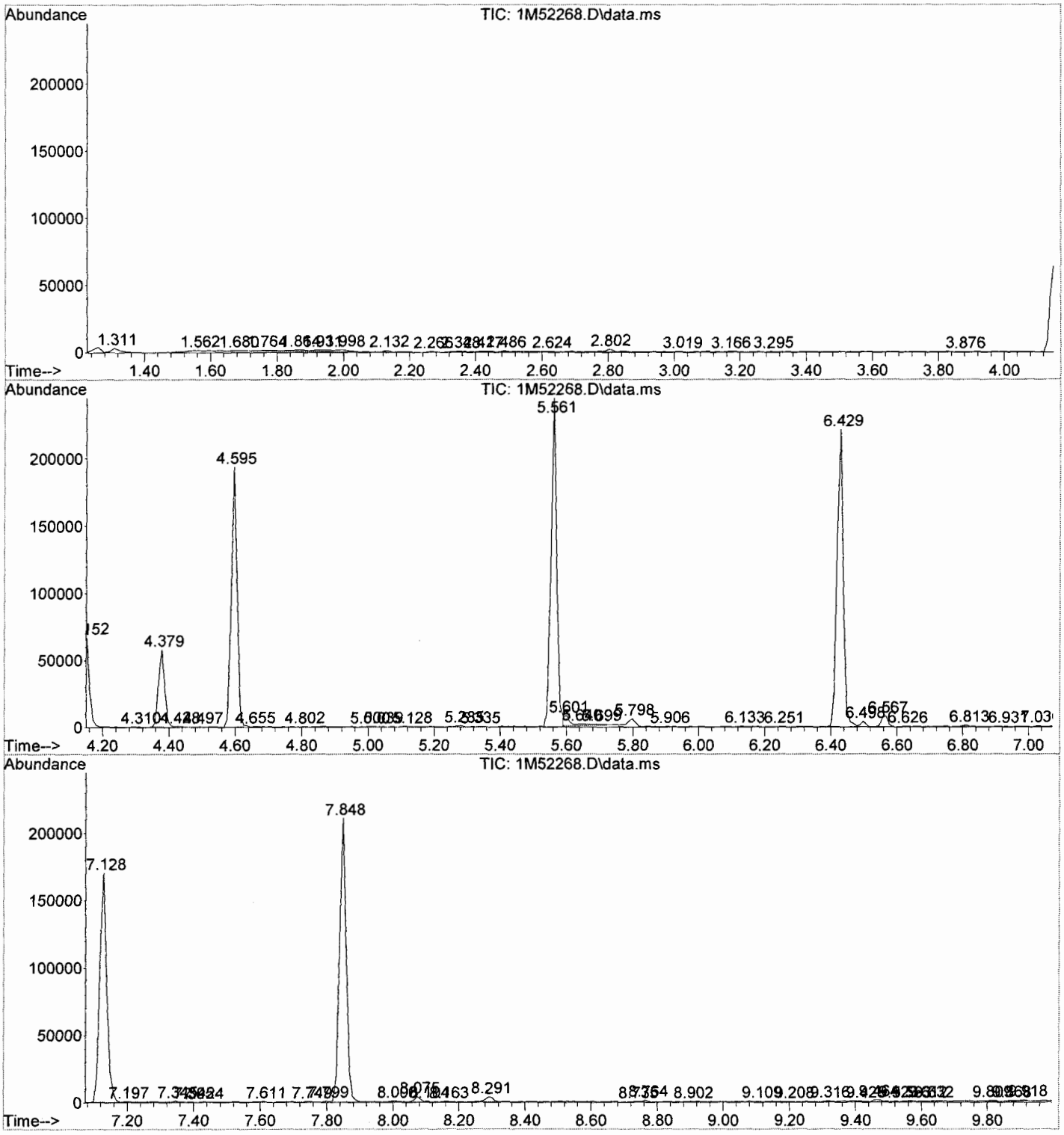
Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Title : @GCMS_1,ug,624,8260

Sum of corrected areas: 1650293

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52268.D
Acq On : 16 Dec 2009 9:26
Operator : DB
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Data File : 1M52268.D
Acq On : 16 Dec 2009 9:26
Operator : DB
Sample : DAILY BLANK
Misc : S,5G
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\Gcmsdata\2009\GCMS_1\MethodQt\1M_S1130M.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form3

MBS Data

Method: 8260

Data File:⟹					1M52216.D			1M52243.D			1M52272.D								
Data/Batch/Sample ID:⟹					MBS14329-So			MBS14335-So			MBS14339-So								
Date/Time:⟹					12/15/09 09:09			12/15/09 16:25			12/16/09 10:32								
Compound	Limit(s) Soil	Aq	Col	Mr	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec
1,1-Dichloroethane	14-127		1	0	39.64	50	79	32.74	50	65	36.48	50	73						
1,1-Dichloroethene	8-114		1	0	35.1	50	70	29.76	50	60	32.74	50	65						
1,2-Dichlorobenzen	19-113		1	0	35.92	50	72	29.69	50	59	35.55	50	71						
1,2-Dichloroethane	18-130		1	0	52.22	50	104	46.1	50	92	50.89	50	102						
1,4-Dichlorobenzen	20-110		1	0	37.35	50	75	30.27	50	61	34.36	50	69						
2-Butanone	4-141		1	0	37.49	50	75	32.91	50	66	32.33	50	65						
Benzene	21-122		1	0	55.99	50	112	47.43	50	95	52.41	50	105						
Carbon Tetrachlorid	19-122		1	0	47.22	50	94	39.88	50	80	45.17	50	90						
Chlorobenzene	21-117		1	0	36.63	50	73	32.08	50	64	35.37	50	71						
Chloroform	26-119		1	0	40.58	50	81	36.5	50	73	38.84	50	78						
n-Propylbenzene	16-122		1	0	39.52	50	79	31.7	50	63	36.98	50	74						
sec-Butylbenzene	9-125		1	0	42.24	50	84	33.19	50	66	38.83	50	78						
Tetrachloroethene	18-116		1	0	39.98	50	80	33.27	50	67	39.17	50	78						
Toluene	19-128		1	0	34.52	50	69	29.88	50	60	33.83	50	68						
Trichloroethene	21-116		1	0	42	50	84	35.72	50	71	39.52	50	79						
Vinyl Chloride	6-117		1	0	46.27	50	93	34.6	50	69	33.61	50	67						

Flags/Notes: **** - Values outside of limits for this column/run***

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M52216.D
Acq On : 12/15/09 09:09

Operator : DB
Sam Mult : 1 Vial# : 9
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 12/15/09 09:23
Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-15-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.605	96	93582	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.438	117	79089	30.00	ug/l	-0.01
60) 1,4-Dichlorobenzene-d4	7.857	152	44871	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.161	111	26075	31.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.63%			
32) 1,2-Dichloroethane-d4	4.388	102	4506	28.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.27%			
56) Toluene-d8	5.571	100	67494	28.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.30%			
64) Bromofluorobenzene	7.138	174	39129	30.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.97%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.378	51	116259	50.93	ug/l	1
3) Dichlorodifluoromethane	1.378	85	42713	29.46	ug/l	95
4) Chloromethane	1.495	50	61501	42.12	ug/l	94
5) Bromomethane	1.830	94	23075	38.22	ug/l	98
6) Vinyl Chloride	1.579	62	52468	46.27	ug/l	96
7) Chloroethane	1.897	64	24099	44.93	ug/l	91
8) Trichlorofluoromethane	2.081	101	92080	46.95	ug/l	97
9) 1,1,2-Trichloro-1,2,2-...	2.466	101	47225	47.55	ug/l	94
10) Methylene Chloride	2.811	84	46281	38.96	ug/l	96
11) Acrolein	2.377	56	16155	195.68	ug/l	97
12) Acrylonitrile	2.989	53	9884	37.51	ug/l	99
13) Iodomethane	2.584	142	66586	40.81	ug/l	78
14) Acetone	2.486	43	41282	192.66	ug/l	99
15) Carbon Disulfide	2.644	76	158464	42.89	ug/l	100
16) t-Butyl Alcohol	2.880	59	6013	184.20	ug/l	66
17) n-Hexane	3.255	57	80943	48.54	ug/l	90
18) Di-isopropyl-ether	3.412	45	163581	37.62	ug/l	88
19) 1,1-Dichloroethene	2.466	61	81304	35.10	ug/l	93
20) Methyl Acetate	2.732	43	21250	35.76	ug/l	100
21) Methyl-t-butyl ether	3.038	73	60941	34.85	ug/l	73
22) 1,1-Dichloroethane	3.363	63	101111	39.64	ug/l	100
23) trans-1,2-Dichloroethene	3.038	96	49155	44.03	ug/l	80
24) cis-1,2-Dichloroethene	3.826	61	97706	40.76	ug/l	92
25) Bromochloromethane	3.994	49	43243	38.46	ug/l	62
26) 2,2-Dichloropropane	3.836	77	73705	46.04	ug/l	91
27) 1,4-Dioxane	5.048	88	13318	2202.72	ug/l	70
28) 1,1-Dichloropropene	4.309	75	81129	43.49	ug/l	98
29) Chloroform	4.053	83	88855	40.58	ug/l	100
31) Cyclohexane	4.250	56	108078	44.70	ug/l	91
33) 1,2-Dichloroethane	4.437	62	67236	52.22	ug/l	98
34) 2-Butanone	3.826	43	13713	37.49	ug/l	96
35) 1,1,1-Trichloroethane	4.201	97	76270	42.64	ug/l	94
36) Carbon Tetrachloride	4.309	117	72651	47.22	ug/l	94
37) Vinyl Acetate	3.412	43	132781	33.86	ug/l	100
38) Bromodichloromethane	5.127	83	66761	38.17	ug/l	99
39) Methylcyclohexane	4.970	83	97153	49.25	ug/l	80
40) Dibromomethane	5.039	174	26011	38.00	ug/l	93
41) 1,2-Dichloropropane	4.970	63	51001	39.43	ug/l	90
42) Trichloroethene	4.832	130	51794	42.00	ug/l	85
43) Benzene	4.437	78	191270	55.99	ug/l	100
44) tert-Amyl methyl ether	4.506	73	55002	33.45	ug/l	91
46) Dibromochloromethane	6.083	129	38631	33.93	ug/l	94
47) 2-Chloroethylvinylether	5.295	63	17250	30.42	ug/l	91
48) cis-1,3-Dichloropropene	5.393	75	66188	32.13	ug/l	95
49) trans-1,3-Dichloropropene	5.719	75	52949	31.09	ug/l	98
50) 1,1,2-Trichloroethane	5.837	97	28959	32.55	ug/l	94
51) 1,2-Dibromoethane	6.162	107	28085	31.33	ug/l	98
52) 1,3-Dichloropropane	5.935	76	57092	34.63	ug/l	94
53) 4-Methyl-2-Pentanone	5.482	43	25919	30.85	ug/l	96
54) 2-Hexanone	5.965	43	17603	31.34	ug/l	85
55) Tetrachloroethene	5.955	164	49063	39.98	ug/l	100
57) Toluene	5.610	92	120445	34.52	ug/l	95
58) 1,1,1,2-Tetrachloroethane	6.497	133	41424	38.15	ug/l	97
59) Chlorobenzene	6.458	112	120848	36.63	ug/l	99
61) Bromoform	6.951	173	23174	30.49	ug/l	97
62) Ethylbenzene	6.507	106	53080	39.38	ug/l	91
63) 1,1,2,2-Tetrachloroethane	7.197	83	32627	32.43	ug/l	90
65) Styrene	6.822	104	125926	37.39	ug/l	91
66) m&p-Xylenes	6.576	106	166348	74.70	ug/l	91

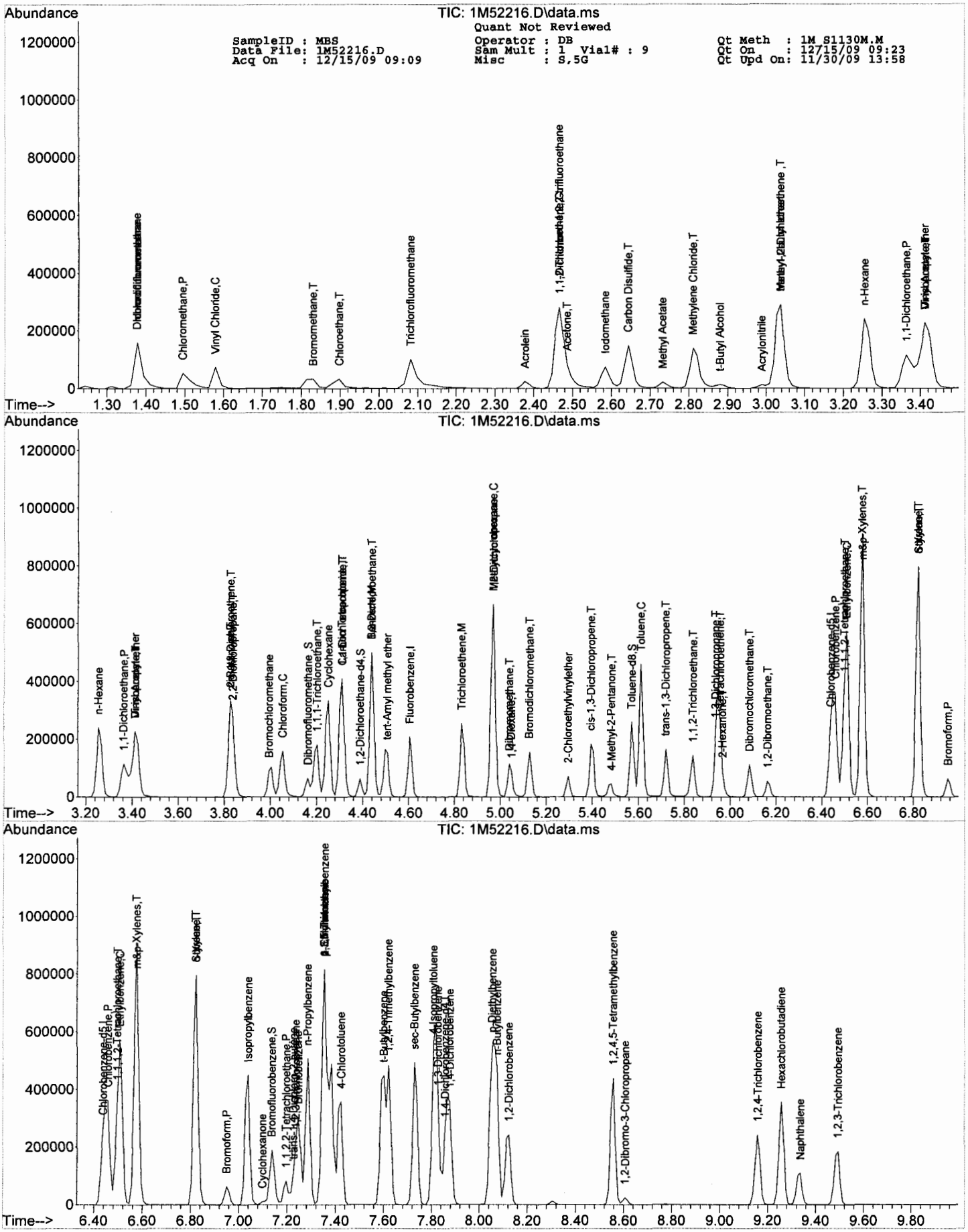
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52216.D Sam Mult : 1 Vial# : 9 Qt On : 12/15/09 09:23
Acq On : 12/15/09 09:09 Misc : S,5G Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-15-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.822	106	77874	37.04 ug/l	80
68) trans-1,4-Dichloro-2-b...	7.227	53	12583	30.49 ug/l	74
69) 1,3-Dichlorobenzene	7.828	146	98263	50.48 ug/l	91
70) 1,4-Dichlorobenzene	7.877	146	96699	37.35 ug/l	91
71) 1,2-Dichlorobenzene	8.123	146	82462	35.92 ug/l	90
72) Isopropylbenzene	7.039	105	216125	38.47 ug/l	97
73) Cyclohexanone	7.098	55	4986	183.88 ug/l	79
74) 1,2,3-Trichloropropane	7.236	75	42667	31.07 ug/l	89
75) 2-Chlorotoluene	7.355	91	139584	37.96 ug/l	94
76) p-Ethyltoluene	7.355	105	223297	32.05 ug/l	98
77) 4-Chlorotoluene	7.424	91	123088	34.29 ug/l	97
78) n-Propylbenzene	7.286	91	279870	39.52 ug/l	99
79) Bromobenzene	7.246	77	127093	35.46 ug/l	82
80) 1,3,5-Trimethylbenzene	7.355	105	223297	56.27 ug/l	76
81) t-Butylbenzene	7.601	119	182061	41.55 ug/l	87
82) 1,2,4-Trimethylbenzene	7.621	105	193806	39.94 ug/l	96
83) sec-Butylbenzene	7.729	105	249090	42.24 ug/l	96
84) 4-Isopropyltoluene	7.808	119	198535	42.59 ug/l	92
85) n-Butylbenzene	8.074	91	259066	42.29 ug/l	97
86) p-Diethylbenzene	8.054	119	120311	39.13 ug/l	96
87) 1,2,4,5-Tetramethylben...	8.557	119	183921	40.55 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	8.606	157	4866	27.63 ug/l	61
89) Hexachlorobutadiene	9.257	225	68377	46.39 ug/l	98
90) 1,2,4-Trichlorobenzene	9.158	180	64781	40.78 ug/l	98
91) 1,2,3-Trichlorobenzene	9.493	180	55416	38.51 ug/l	98
92) Naphthalene	9.336	128	75037	35.16 ug/l	100

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


Abundance
TIC: 1M52216.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M52216.D
Acq On : 12/15/09 09:09
Operator : DB
Sam Mult : 1 Vial# : 9
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 12715/09 09:23
Qt Upd On: 11/30/09 13:58
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
Bromoform,P
Chlorobenzene-d5,I
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M52243.D
Acq On : 12/15/09 16:25

Operator : DB
Sam Mult : 1 Vial# : 35
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 12/15/09 16:39
Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-15-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.605	96	99319	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.438	117	83771	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.857	152	49328	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.162	111	29954	33.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.17%			
32) 1,2-Dichloroethane-d4	4.388	102	5168	30.56	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.87%			
56) Toluene-d8	5.571	100	70451	28.47	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.90%			
64) Bromofluorobenzene	7.138	174	40513	29.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.97%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.381	51	124021	51.20	ug/l	1
3) Dichlorodifluoromethane	1.381	85	36341	23.62	ug/l	92
4) Chloromethane	1.498	50	54581	35.23	ug/l	97
5) Bromomethane	1.817	94	20949	32.70	ug/l	97
6) Vinyl Chloride	1.582	62	41640	34.60	ug/l	99
7) Chloroethane	1.884	64	22031	38.70	ug/l	100
8) Trichlorofluoromethane	2.085	101	87179	41.88	ug/l	96
9) 1,1,2-Trichloro-1,2,2-...	2.466	101	42591	40.41	ug/l	96
10) Methylene Chloride	2.811	84	41109	32.60	ug/l	89
11) Acrolein	2.378	56	15044	171.69	ug/l	97
12) Acrylonitrile	2.989	53	9133	32.66	ug/l	98
13) Iodomethane	2.585	142	57847	33.41	ug/l	76
14) Acetone	2.486	43	36442	160.24	ug/l	97
15) Carbon Disulfide	2.644	76	136558	34.82	ug/l	100
16) t-Butyl Alcohol	2.880	59	6176	178.27	ug/l	89
17) n-Hexane	3.255	57	69729	39.40	ug/l	86
18) Di-isopropyl-ether	3.412	45	141044	30.56	ug/l	90
19) 1,1-Dichloroethene	2.466	61	73159	29.76	ug/l	95
20) Methyl Acetate	2.732	43	20418	32.37	ug/l	100
21) Methyl-t-butyl ether	3.038	73	55367	29.83	ug/l	75
22) 1,1-Dichloroethane	3.363	63	88647	32.74	ug/l	96
23) trans-1,2-Dichloroethene	3.038	96	43357	36.59	ug/l	78
24) cis-1,2-Dichloroethene	3.826	61	85979	33.79	ug/l	94
25) Bromochloromethane	3.994	49	37700	31.59	ug/l	68
26) 2,2-Dichloropropane	3.836	77	63345	37.28	ug/l	92
27) 1,4-Dioxane	5.039	88	11398	1776.27	ug/l	69
28) 1,1-Dichloropropene	4.300	75	72666	36.70	ug/l	98
29) Chloroform	4.053	83	84808	36.50	ug/l	100
31) Cyclohexane	4.250	56	95562	37.24	ug/l	91
33) 1,2-Dichloroethane	4.438	62	62997	46.10	ug/l	100
34) 2-Butanone	3.826	43	12777	32.91	ug/l	97
35) 1,1,1-Trichloroethane	4.201	97	71777	37.81	ug/l	100
36) Carbon Tetrachloride	4.309	117	65123	39.88	ug/l	91
37) Vinyl Acetate	3.412	43	122617	29.46	ug/l	100
38) Bromodichloromethane	5.127	83	61259	33.00	ug/l	93
39) Methylcyclohexane	4.970	83	86540	41.34	ug/l	79
40) Dibromomethane	5.039	174	24041	33.09	ug/l	97
41) 1,2-Dichloropropane	4.970	63	46473	33.85	ug/l	85
42) Trichloroethene	4.832	130	46753	35.72	ug/l	87
43) Benzene	4.438	78	171972	47.43	ug/l	100
44) tert-Amyl methyl ether	4.497	73	49536	28.39	ug/l	90
46) Dibromochloromethane	6.083	129	37487	31.09	ug/l	97
47) 2-Chloroethylvinylether	5.295	63	15205	25.32	ug/l	91
48) cis-1,3-Dichloropropene	5.394	75	61727	28.29	ug/l	93
49) trans-1,3-Dichloropropene	5.719	75	48866	27.09	ug/l	98
50) 1,1,2-Trichloroethane	5.837	97	27642	29.34	ug/l	97
51) 1,2-Dibromoethane	6.162	107	27208	28.66	ug/l	99
52) 1,3-Dichloropropane	5.936	76	52935	30.31	ug/l	99
53) 4-Methyl-2-Pentanone	5.472	43	24210	27.21	ug/l	98
54) 2-Hexanone	5.965	43	16359	27.50	ug/l	94
55) Tetrachloroethene	5.945	164	43245	33.27	ug/l	95
57) Toluene	5.610	92	110405	29.88	ug/l	95
58) 1,1,1,2-Tetrachloroethane	6.497	133	39812	34.62	ug/l	98
59) Chlorobenzene	6.458	112	112098	32.08	ug/l	99
61) Bromoform	6.951	173	21467	25.69	ug/l	95
62) Ethylbenzene	6.507	106	49784	33.60	ug/l	88
63) 1,1,2,2-Tetrachloroethane	7.197	83	29942	27.07	ug/l	91
65) Styrene	6.823	104	112301	30.33	ug/l	90
66) m&p-Xylenes	6.576	106	150567	61.51	ug/l	94

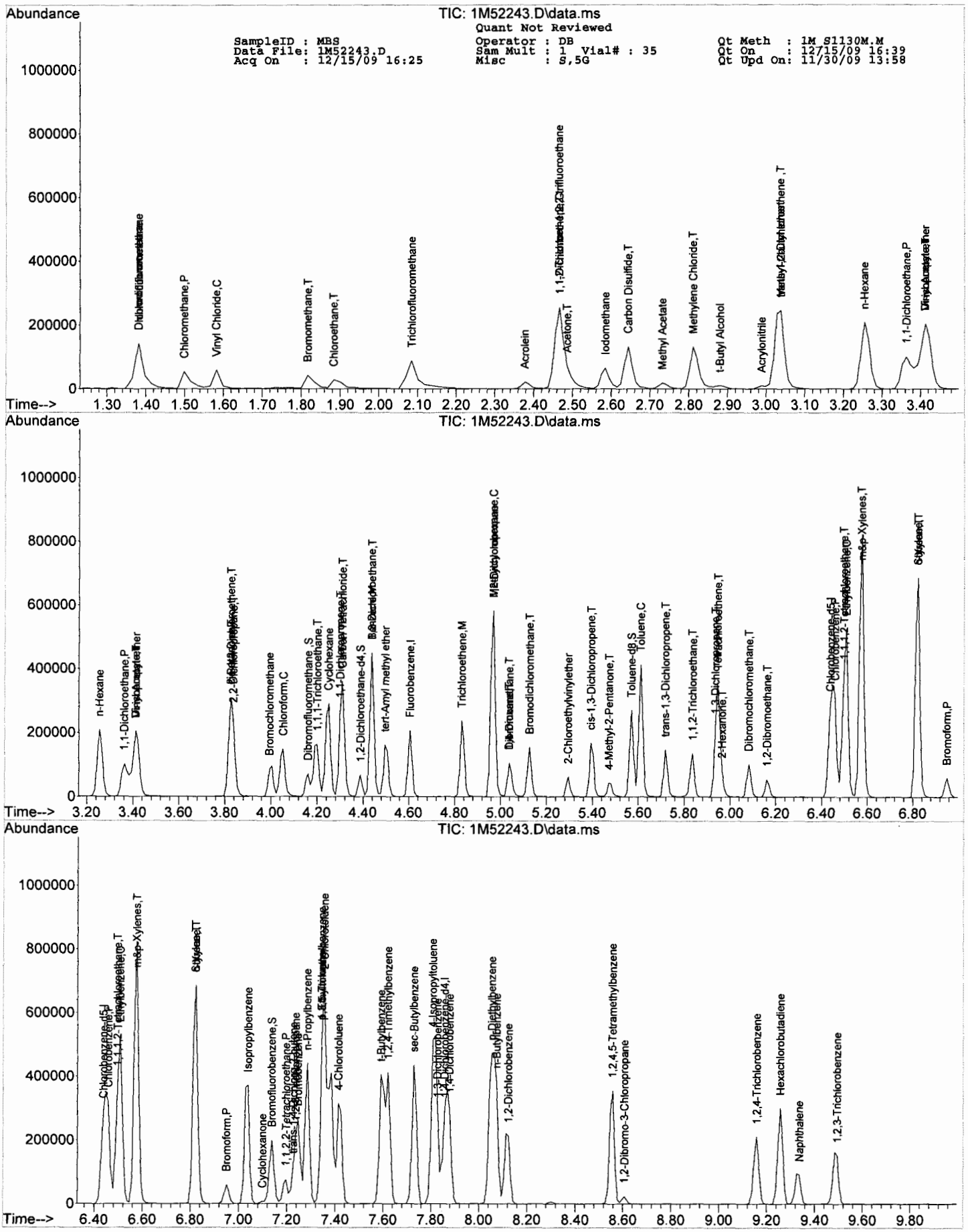
Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M52243.D
Acq On : 12/15/09 16:25
Operator : DB
Sam Mult : 1 Vial# : 35
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 12/15/09 16:39
Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-15-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.823	106	71676	31.01 ug/l	87
68) trans-1,4-Dichloro-2-b...	7.227	53	12322	27.16 ug/l	66
69) 1,3-Dichlorobenzene	7.828	146	87100	40.70 ug/l	90
70) 1,4-Dichlorobenzene	7.877	146	86150	30.27 ug/l	90
71) 1,2-Dichlorobenzene	8.124	146	74930	29.69 ug/l	92
72) Isopropylbenzene	7.039	105	188198	30.47 ug/l	97
73) Cyclohexanone	7.099	55	3384	113.52 ug/l	93
74) 1,2,3-Trichloropropane	7.237	75	39168	25.94 ug/l	93
75) 2-Chlorotoluene	7.355	91	128376	31.76 ug/l	94
76) p-Ethyltoluene	7.345	105	197836	25.73 ug/l	96
77) 4-Chlorotoluene	7.414	91	108840	27.58 ug/l	96
78) n-Propylbenzene	7.286	91	246816	31.70 ug/l	99
79) Bromobenzene	7.246	77	110413	28.02 ug/l	83
80) 1,3,5-Trimethylbenzene	7.345	105	197836	45.08 ug/l	76
81) t-Butylbenzene	7.591	119	159146	33.04 ug/l	86
82) 1,2,4-Trimethylbenzene	7.621	105	172517	32.34 ug/l	94
83) sec-Butylbenzene	7.729	105	215159	33.19 ug/l	96
84) 4-Isopropyltoluene	7.808	119	171207	33.41 ug/l	92
85) n-Butylbenzene	8.074	91	226939	33.70 ug/l	97
86) p-Diethylbenzene	8.055	119	104843	31.02 ug/l	97
87) 1,2,4,5-Tetramethylben...	8.557	119	153328	30.75 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	8.606	157	5148	26.59 ug/l	84
89) Hexachlorobutadiene	9.257	225	59026	36.43 ug/l	98
90) 1,2,4-Trichlorobenzene	9.158	180	55799	31.95 ug/l	97
91) 1,2,3-Trichlorobenzene	9.493	180	48204	30.47 ug/l	94
92) Naphthalene	9.336	128	67581	28.81 ug/l	100

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


Abundance
TIC: 1M52243.D\data.ms
Quant Not Reviewed
SampleID : MBS
Data File: 1M52243.D
Acq On : 12/15/09 16:25
Operator : DB
Sam Mult : 1 Vial# : 35
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 12/15/09 16:39
Qt Upd On: 11/30/09 13:58
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
Bromoform,P
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,3-Dichlorobenzene,I
1,4-Dichlorobenzene,I
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (Not Reviewed)

0159

SampleID : MBS
Data File: 1M52272.D
Acq On : 12/16/09 10:32

Operator : DB
Sam Mult : 1 Vial# : 9
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 12/16/09 10:49
Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.595	96	96289	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.429	117	79839	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.848	152	46625	30.00	ug/l	-0.03
System Monitoring Compounds						
30) Dibromofluoromethane	4.152	111	27023	31.32	ug/l	-0.02
Spiked Amount 30.000			Recovery =	104.40%		
32) 1,2-Dichloroethane-d4	4.379	102	4676	28.52	ug/l	-0.02
Spiked Amount 30.000			Recovery =	95.07%		
56) Toluene-d8	5.561	100	68558	29.07	ug/l	-0.02
Spiked Amount 30.000			Recovery =	96.90%		
64) Bromofluorobenzene	7.128	174	40356	30.66	ug/l	-0.02
Spiked Amount 30.000			Recovery =	102.20%		
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.382	51	98260	41.84	ug/l	1
3) Dichlorodifluoromethane	1.365	85	44791	30.02	ug/l	96
4) Chloromethane	1.499	50	49922	33.23	ug/l	94
5) Bromomethane	1.817	94	21795	35.09	ug/l	92
6) Vinyl Chloride	1.566	62	39215	33.61	ug/l	97
7) Chloroethane	1.885	64	25294	45.83	ug/l	100
8) Trichlorofluoromethane	2.069	101	90167	44.68	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.457	101	44396	43.44	ug/l	92
10) Methylene Chloride	2.802	84	43548	35.63	ug/l	95
11) Acrolein	2.368	56	14695	172.99	ug/l	97
12) Acrylonitrile	2.979	53	6806	25.10	ug/l	92
13) Iodomethane	2.575	142	60039	35.76	ug/l	80
14) Acetone	2.476	43	35482	160.93	ug/l	99
15) Carbon Disulfide	2.634	76	147163	38.71	ug/l	100
16) t-Butyl Alcohol	2.871	59	5218	155.36	ug/l	62
17) n-Hexane	3.245	57	73292	42.72	ug/l	87
18) Di-isopropyl-ether	3.403	45	159861	35.73	ug/l	89
19) 1,1-Dichloroethene	2.457	61	78052	32.74	ug/l	94
20) Methyl Acetate	2.723	43	20509	33.54	ug/l	100
21) Methyl-t-butyl ether	3.028	73	59039	32.81	ug/l	74
22) 1,1-Dichloroethane	3.354	63	95740	36.48	ug/l	99
23) trans-1,2-Dichloroethene	3.028	96	45740	39.82	ug/l	81
24) cis-1,2-Dichloroethene	3.817	61	91501	37.10	ug/l	90
25) Bromochloromethane	3.984	49	40467	34.98	ug/l	69
26) 2,2-Dichloropropane	3.827	77	68393	41.52	ug/l	92
27) 1,4-Dioxane	5.039	88	11417	1835.22	ug/l	83
28) 1,1-Dichloropropene	4.290	75	79356	41.34	ug/l	97
29) Chloroform	4.043	83	87492	38.84	ug/l	98
31) Cyclohexane	4.241	56	102066	41.03	ug/l	91
33) 1,2-Dichloroethane	4.428	62	67428	50.89	ug/l	96
34) 2-Butanone	3.817	43	12167	32.33	ug/l	93
35) 1,1,1-Trichloroethane	4.191	97	76896	41.79	ug/l	98
36) Carbon Tetrachloride	4.300	117	71511	45.17	ug/l	91
37) Vinyl Acetate	3.403	43	127333	31.56	ug/l	100
38) Bromodichloromethane	5.118	83	66914	37.19	ug/l	96
39) Methylcyclohexane	4.960	83	93814	46.22	ug/l	78
40) Dibromomethane	5.029	174	26359	37.42	ug/l	94
41) 1,2-Dichloropropane	4.960	63	50174	37.70	ug/l	90
42) Trichloroethene	4.822	130	50140	39.52	ug/l	86
43) Benzene	4.428	78	184236	52.41	ug/l	100
44) tert-Amyl methyl ether	4.487	73	55477	32.79	ug/l	91
46) Dibromochloromethane	6.074	129	39414	34.29	ug/l	100
47) 2-Chloroethylvinylether	5.285	63	17623	30.79	ug/l	87
48) cis-1,3-Dichloropropene	5.384	75	66511	31.98	ug/l	95
49) trans-1,3-Dichloropropene	5.709	75	53618	31.19	ug/l	98
50) 1,1,2-Trichloroethane	5.827	97	30893	34.40	ug/l	97
51) 1,2-Dibromoethane	6.153	107	28434	31.42	ug/l	99
52) 1,3-Dichloropropane	5.926	76	58297	35.03	ug/l	93
53) 4-Methyl-2-Pentanone	5.463	43	25330	29.87	ug/l	92
54) 2-Hexanone	5.955	43	16766	29.57	ug/l	92
55) Tetrachloroethene	5.936	164	48518	39.17	ug/l	95
57) Toluene	5.601	92	119164	33.83	ug/l	95
58) 1,1,1,2-Tetrachloroethane	6.488	133	41698	38.05	ug/l	96
59) Chlorobenzene	6.448	112	117806	35.37	ug/l	100
61) Bromoform	6.941	173	23406	29.63	ug/l	99
62) Ethylbenzene	6.498	106	54472	38.89	ug/l	90
63) 1,1,2,2-Tetrachloroethane	7.187	83	32004	30.62	ug/l	88
65) Styrene	6.813	104	121434	34.70	ug/l	90
66) m&p-Xylenes	6.566	106	163590	70.70	ug/l	98

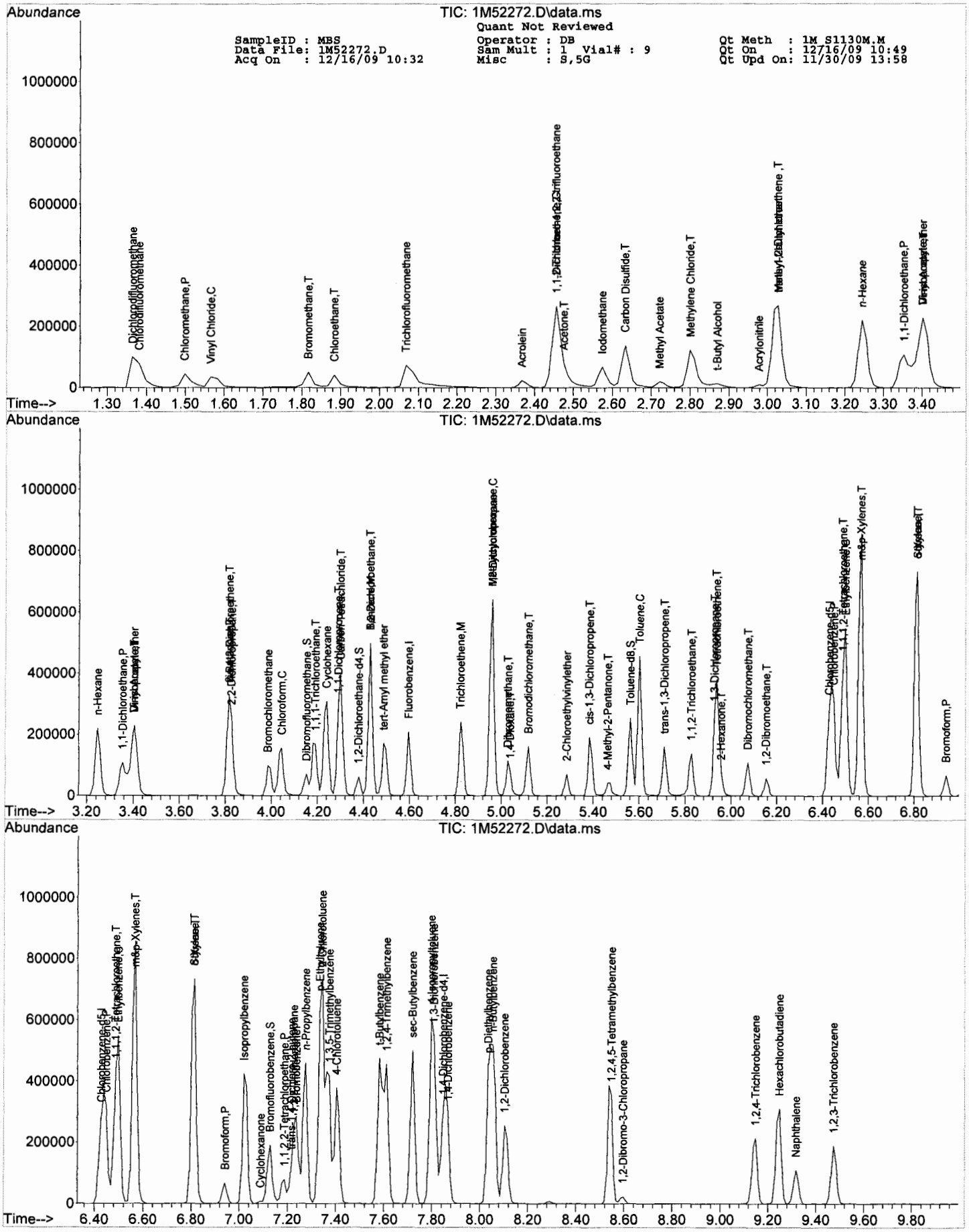
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52272.D Sam Mult : 1 Vial# : 9 Qt On : 12/16/09 10:49
Acq On : 12/16/09 10:32 Misc : S,5G Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67)	o-Xylene	6.813	106	79252	36.27	ug/l	87
68)	trans-1,4-Dichloro-2-b...	7.217	53	12770	29.78	ug/l	69
69)	1,3-Dichlorobenzene	7.808	146	97973	48.44	ug/l	91
70)	1,4-Dichlorobenzene	7.867	146	92438	34.36	ug/l	91
71)	1,2-Dichlorobenzene	8.104	146	84808	35.55	ug/l	93
72)	Isopropylbenzene	7.020	105	206856	35.43	ug/l	97
73)	Cyclohexanone	7.089	55	3667	130.15	ug/l	93
74)	1,2,3-Trichloropropane	7.227	75	41086	28.79	ug/l	92
75)	2-Chlorotoluene	7.345	91	141440	37.02	ug/l	96
76)	p-Ethyltoluene	7.335	105	227117	31.36	ug/l	92
77)	4-Chlorotoluene	7.404	91	126944	34.04	ug/l	94
78)	n-Propylbenzene	7.276	91	272141	36.98	ug/l	99
79)	Bromobenzene	7.237	77	125363	33.66	ug/l	82
80)	1,3,5-Trimethylbenzene	7.375	105	177918	42.84	ug/l	41
81)	t-Butylbenzene	7.582	119	178232	39.15	ug/l	86
82)	1,2,4-Trimethylbenzene	7.611	105	190530	37.79	ug/l	94
83)	sec-Butylbenzene	7.720	105	237923	38.83	ug/l	97
84)	4-Isopropyltoluene	7.798	119	191143	39.47	ug/l	93
85)	n-Butylbenzene	8.055	91	244522	38.42	ug/l	97
86)	p-Diethylbenzene	8.035	119	115632	36.19	ug/l	96
87)	1,2,4,5-Tetramethylben...	8.547	119	172346	36.57	ug/l	97
88)	1,2-Dibromo-3-Chloropr...	8.597	157	5023	27.45	ug/l	67
89)	Hexachlorobutadiene	9.247	225	64748	42.27	ug/l	98
90)	1,2,4-Trichlorobenzene	9.149	180	58600	35.50	ug/l	97
91)	1,2,3-Trichlorobenzene	9.474	180	50924	34.06	ug/l	95
92)	Naphthalene	9.316	128	69460	31.33	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant Not Reviewed
SampleID : MBS
Data File: 1M52272.D
Acq On : 12/16/09 10:32
Operator : DB
Sam Mult : 1 Vial# : 9
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 12/16/09 10:49
Qt Upd On: 11/30/09 13:58
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 1M52272.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Bromoform,P
Time-->

Abundance
TIC: 1M52272.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,T
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
1,3,5-Trimethylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
p-Diethylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2,4,5-Tetramethylbenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

FORM 3

Spike Recovery

Batch Number: MBS14345
Mbs Name: MBS14345
Ns Name: AC48787-001
Ms Name: AC48787-001(MS)
Msd Name: AC48787-001(MSD

Mbs File: 1M52295.D
Non Spk'd File: 1M52249.D
Spike File: 1M52296.D
Spike Dup File: 1M52297.D
Matrix: Soil
Method: EPA 8260B

Mbs Date: 12/16/09 16:43
Non Spk'd Date: 12/15/09 18:02
Spike Date : 12/16/09 16:59
Spike Dup Date: 12/16/09 17:15

Compound	C#	Co	Mr	Conc Exp	Lo Llm	Hi Lim	Rpd Llm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Vinyl Chloride	6	1	0	50	6	117	53	34.06	0.00	40.89	25.36	68	82	51	47
1,1-Dichloroethene	19	1	0	50	8	114	53	35.29	0.00	50.45	37.08	71	101	74	31
1,1-Dichloroethane	22	1	0	50	14	127	44	41.28	0.00	38.65	29.53	83	77	59	27
Chloroform	29	1	0	50	26	119	39	42.49	0.00	41.26	29.83	85	83	60	32
1,2-Dichloroethane	33	1	0	50	18	130	37	57.04	0.00	54.69	46.07	114	109	92	17
2-Butanone	34	1	0	50	4	141	59	40.47	0.00	49.28	42.03	81	99	84	16
Carbon Tetrachloride	36	1	0	50	19	122	40	47.40	0.00	37.23	25.62	95	74	51	37
Trichloroethene	42	1	0	50	21	116	39	43.47	0.00	58.97	39.59	87	118 Mo	79	39
Benzene	43	1	0	50	21	122	38	58.14	3.46	52.63	39.55	116	98	72	28
Tetrachloroethene	55	1	0	50	18	116	37	38.41	0.00	26.13	16.78	77	52	34	44Rp
Toluene	57	1	0	50	19	128	35	34.93	12.82	31.95	22.23	70	38	19	36Rp
Chlorobenzene	59	1	0	50	21	117	37	37.06	0.00	23.30	16.10	74	47	32	37
1,4-Dichlorobenzene	70	1	0	50	20	110	41	33.18	0.00	13.17	8.34	66	26	17 Mo	45Rp
1,2-Dichlorobenzene	71	1	0	50	19	113	42	33.81	0.00	12.30	8.26	68	25	17 Mo	39
n-Propylbenzene	78	1	0	50	16	122	42	36.79	0.00	18.97	12.45	74	38	25	42
sec-Butylbenzene	83	1	0	50	9	125	48	38.09	0.00	13.72	9.11	76	27	18	40

Note:

Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

Quantitation Report (Not Reviewed)

SampleID : MBS
Data File: 1M52295.D
Acq On : 12/16/09 16:43

Operator : DB
Sam Mult : 1 Vial# : 29
Misc : S,5G

Qt Meth : 1M_S1130M.M
Qt On : 12/16/09 17:14
Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.606	96	90649	30.00	ug/l	0.00
45) Chlorobenzene-d5	6.439	117	77676	30.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	7.858	152	46604	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.153	111	25663	31.59	ug/l	-0.02
Spiked Amount 30.000			Recovery = 105.30%			
32) 1,2-Dichloroethane-d4	4.389	102	4847	31.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.67%			
56) Toluene-d8	5.572	100	63551	27.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.30%			
64) Bromofluorobenzene	7.139	174	38329	29.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.10%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.379	51	113163	51.18	ug/l	1
3) Dichlorodifluoromethane	1.362	85	32572	23.19	ug/l	94
4) Chloromethane	1.496	50	49920	35.30	ug/l	100
5) Bromomethane	1.815	94	21299	36.42	ug/l	100
6) Vinyl Chloride	1.580	62	37414	34.06	ug/l	98
7) Chloroethane	1.882	64	23128	44.51	ug/l	96
8) Trichlorofluoromethane	2.083	101	85774	45.15	ug/l	99
9) 1,1,2-Trichloro-1,2,2-...	2.458	101	44063	45.80	ug/l	93
10) Methylene Chloride	2.812	84	43557	37.85	ug/l	97
11) Acrolein	2.369	56	15650	195.69	ug/l	89
12) Acrylonitrile	2.980	53	7408	29.02	ug/l	93
13) Iodomethane	2.576	142	62066	39.27	ug/l	78
14) Acetone	2.477	43	40676	195.97	ug/l	99
15) Carbon Disulfide	2.635	76	142323	39.76	ug/l	100
16) t-Butyl Alcohol	2.871	59	6384	201.90	ug/l	82
17) n-Hexane	3.246	57	74893	46.37	ug/l	88
18) Di-isopropyl-ether	3.404	45	173375	41.16	ug/l	85
19) 1,1-Dichloroethene	2.458	61	79191	35.29	ug/l	90
20) Methyl Acetate	2.724	43	24798	43.08	ug/l	100
21) Methyl-t-butyl ether	3.029	73	66259	39.11	ug/l	74
22) 1,1-Dichloroethane	3.354	63	102001	41.28	ug/l	99
23) trans-1,2-Dichloroethene	3.029	96	46339	42.85	ug/l	86
24) cis-1,2-Dichloroethene	3.818	61	95995	41.34	ug/l	85
25) Bromochloromethane	3.995	49	43580	40.01	ug/l	79
26) 2,2-Dichloropropane	3.827	77	72217	46.57	ug/l	93
27) 1,4-Dioxane	5.040	88	12248	2091.30	ug/l	57
28) 1,1-Dichloropropene	4.301	75	78368	43.37	ug/l	97
29) Chloroform	4.044	83	90112	42.49	ug/l	98
31) Cyclohexane	4.241	56	107274	45.81	ug/l	89
33) 1,2-Dichloroethane	4.429	62	71143	57.04	ug/l	99
34) 2-Butanone	3.818	43	14340	40.47	ug/l	92
35) 1,1,1-Trichloroethane	4.192	97	76718	44.28	ug/l	97
36) Carbon Tetrachloride	4.310	117	70651	47.40	ug/l	91
37) Vinyl Acetate	3.404	43	138514	36.46	ug/l	100
38) Bromodichloromethane	5.119	83	67027	39.57	ug/l	99
39) Methylcyclohexane	4.961	83	93758	49.07	ug/l	80
40) Dibromomethane	5.040	174	26562	40.06	ug/l	95
41) 1,2-Dichloropropane	4.961	63	53838	42.97	ug/l	84
42) Trichloroethene	4.833	130	51919	43.47	ug/l	92
43) Benzene	4.439	78	192416	58.14	ug/l	100
44) tert-Amyl methyl ether	4.498	73	64748	40.66	ug/l	97
46) Dibromochloromethane	6.084	129	41731	37.32	ug/l	99
47) 2-Chloroethylvinylether	5.286	63	18800	33.76	ug/l	88
48) cis-1,3-Dichloropropene	5.395	75	67952	33.59	ug/l	97
49) trans-1,3-Dichloropropene	5.720	75	57002	34.08	ug/l	99
50) 1,1,2-Trichloroethane	5.828	97	29074	33.28	ug/l	90
51) 1,2-Dibromoethane	6.163	107	29702	33.74	ug/l	94
52) 1,3-Dichloropropane	5.937	76	59631	36.83	ug/l	96
53) 4-Methyl-2-Pentanone	5.473	43	27272	33.05	ug/l	99
54) 2-Hexanone	5.966	43	17238	31.25	ug/l	97
55) Tetrachloroethene	5.946	164	46291	38.41	ug/l	97
57) Toluene	5.611	92	119690	34.93	ug/l	95
58) 1,1,1,2-Tetrachloroethane	6.489	133	41628	39.04	ug/l	84
59) Chlorobenzene	6.449	112	120099	37.06	ug/l	100
61) Bromoform	6.952	173	23623	29.92	ug/l	93
62) Ethylbenzene	6.508	106	51656	36.90	ug/l	95
63) 1,1,2,2-Tetrachloroethane	7.188	83	33919	32.46	ug/l	86
65) Styrene	6.814	104	120369	34.41	ug/l	78
66) m&p-Xylenes	6.567	106	161601	69.87	ug/l	86

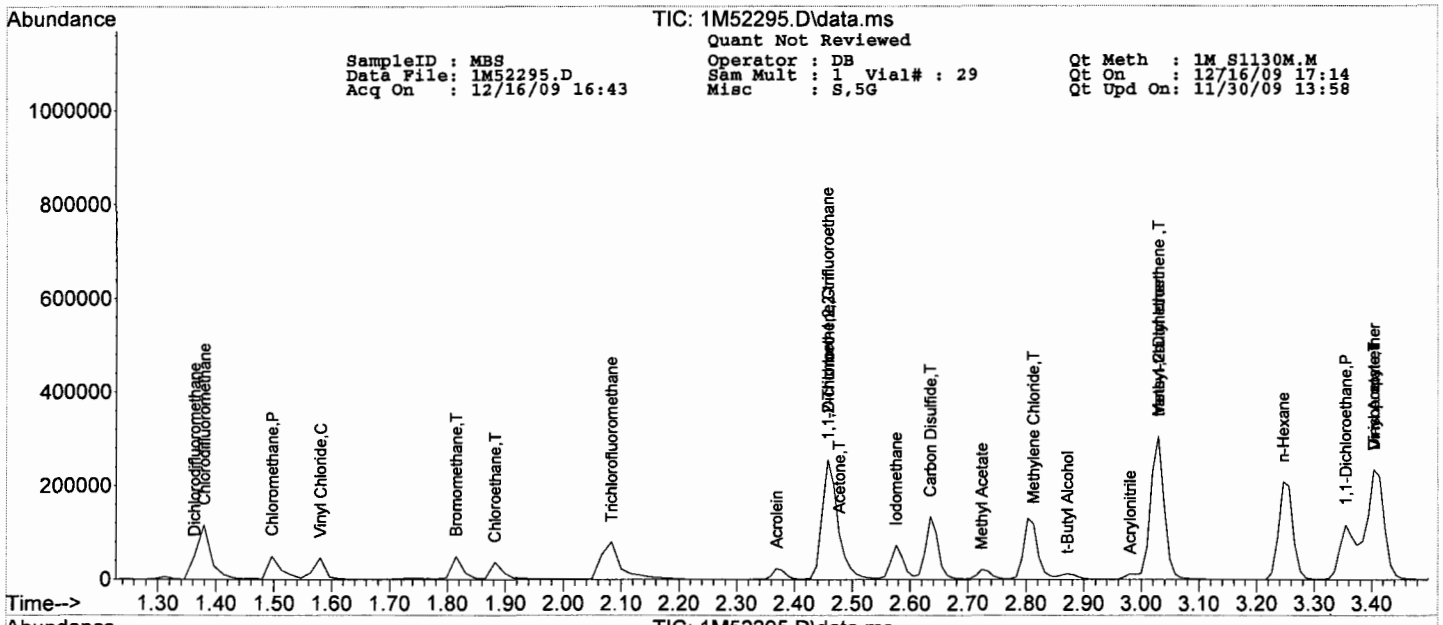
Quantitation Report (Not Reviewed)

SampleID : MBS Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52295.D Sam Mult : 1 Vial# : 29 Qt On : 12/16/09 17:14
Acq On : 12/16/09 16:43 Misc : S,5G Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.814	106	77647	35.55 ug/l	82
68) trans-1,4-Dichloro-2-b...	7.218	53	12210	28.49 ug/l	89
69) 1,3-Dichlorobenzene	7.819	146	96815	47.89 ug/l	92
70) 1,4-Dichlorobenzene	7.868	146	89229	33.18 ug/l	90
71) 1,2-Dichlorobenzene	8.115	146	80605	33.81 ug/l	90
72) Isopropylbenzene	7.031	105	204814	35.10 ug/l	96
73) Cyclohexanone	7.100	55	3546	125.91 ug/l	94
74) 1,2,3-Trichloropropane	7.228	75	46023	32.26 ug/l	89
75) 2-Chlorotoluene	7.356	91	124624	32.63 ug/l	95
76) p-Ethyltoluene	7.346	105	238660	33.01 ug/l	94
77) 4-Chlorotoluene	7.415	91	133376	35.78 ug/l	96
78) n-Propylbenzene	7.277	91	270625	36.79 ug/l	99
79) Bromobenzene	7.238	77	123220	33.10 ug/l	84
80) 1,3,5-Trimethylbenzene	7.376	105	159570	38.35 ug/l	99
81) t-Butylbenzene	7.592	119	178331	39.19 ug/l	86
82) 1,2,4-Trimethylbenzene	7.622	105	185947	36.90 ug/l	94
83) sec-Butylbenzene	7.730	105	233263	38.09 ug/l	98
84) 4-Isopropyltoluene	7.809	119	185674	38.35 ug/l	93
85) n-Butylbenzene	8.065	91	239973	37.72 ug/l	96
86) p-Diethylbenzene	8.046	119	109367	34.25 ug/l	96
87) 1,2,4,5-Tetramethylben...	8.548	119	168309	35.73 ug/l	97
88) 1,2-Dibromo-3-Chloropr...	8.608	157	5541	30.29 ug/l	86
89) Hexachlorobutadiene	9.248	225	58701	38.34 ug/l	97
90) 1,2,4-Trichlorobenzene	9.150	180	56075	33.98 ug/l	98
91) 1,2,3-Trichlorobenzene	9.485	180	50491	33.78 ug/l	96
92) Naphthalene	9.327	128	72959	32.92 ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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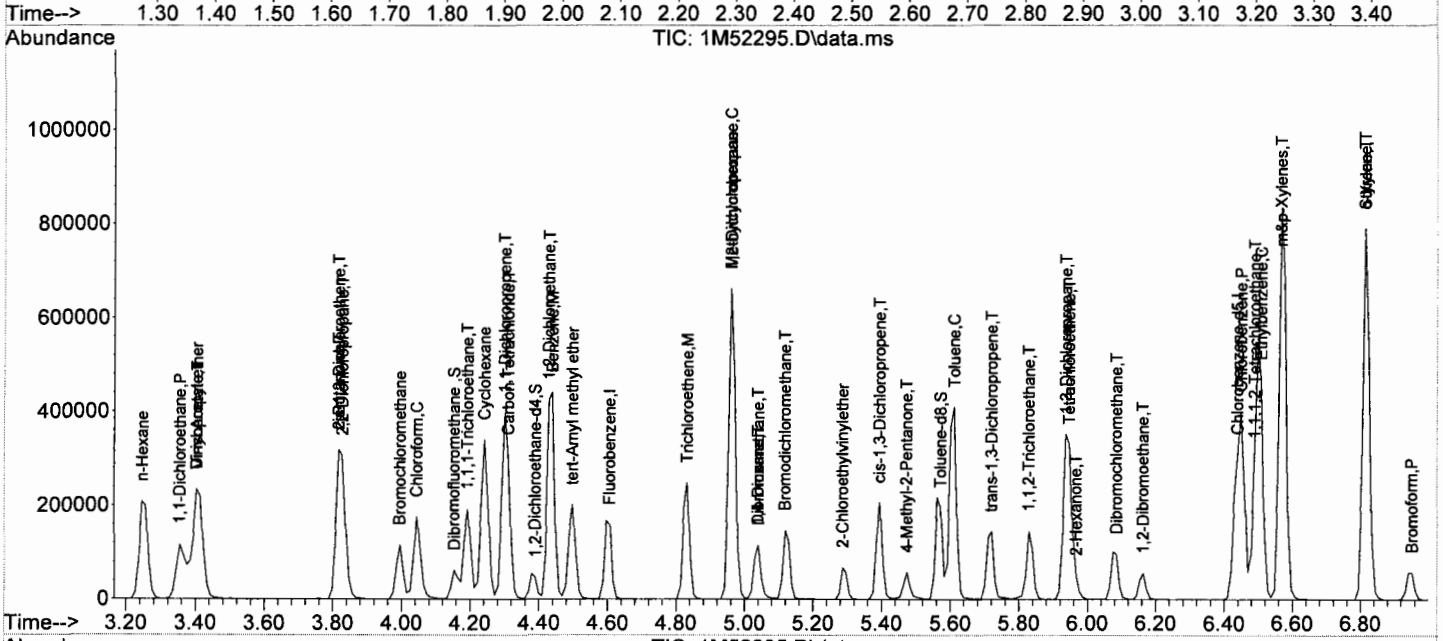
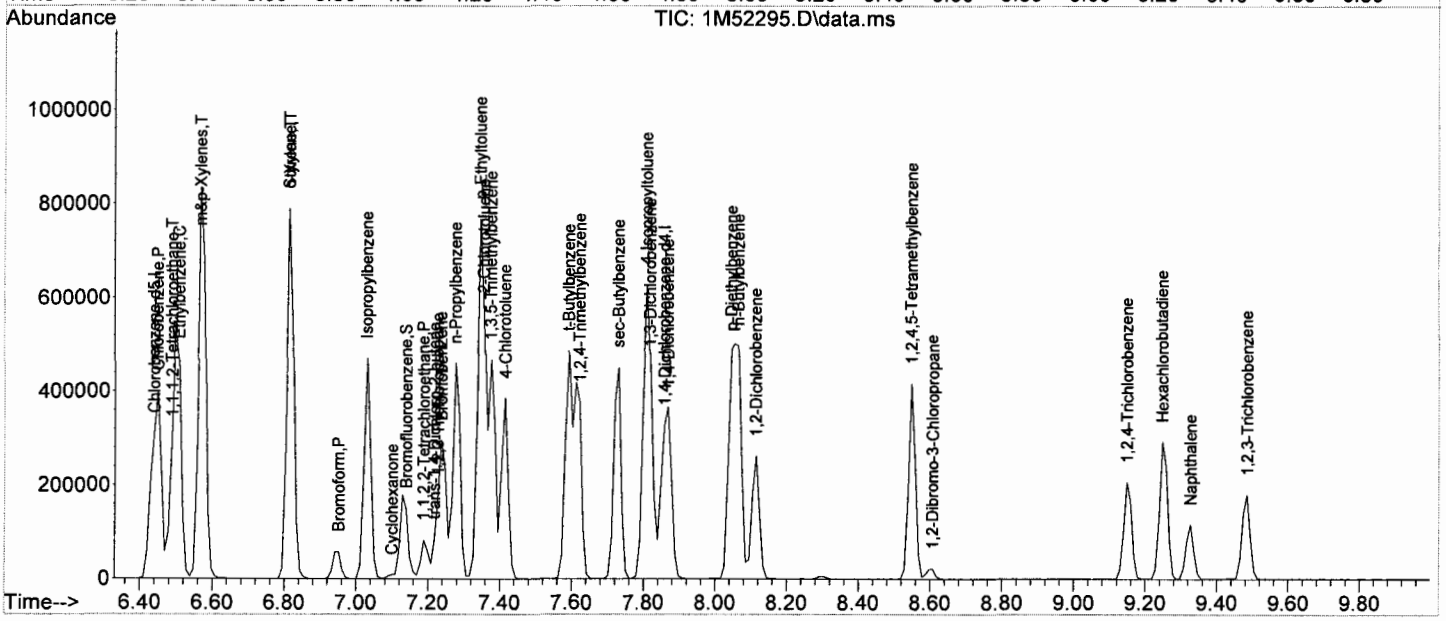
Quant Not Reviewed
SampleID : MBS
Data File: 1M52295.D
Acq On : 12/16/09 16:43
Operator : DB
Sam Mult : 1 Vial# : 29
Misc : S,5G
Qt Meth : 1M_S1130M.M
Qt On : 12/16/09 17:14
Qt Upd On: 11/30/09 13:58
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
TIC: 1M52295.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
Carbon Tetrachloride,T
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
Bromoform,P
Time-->


Abundance
TIC: 1M52295.D\data.ms
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

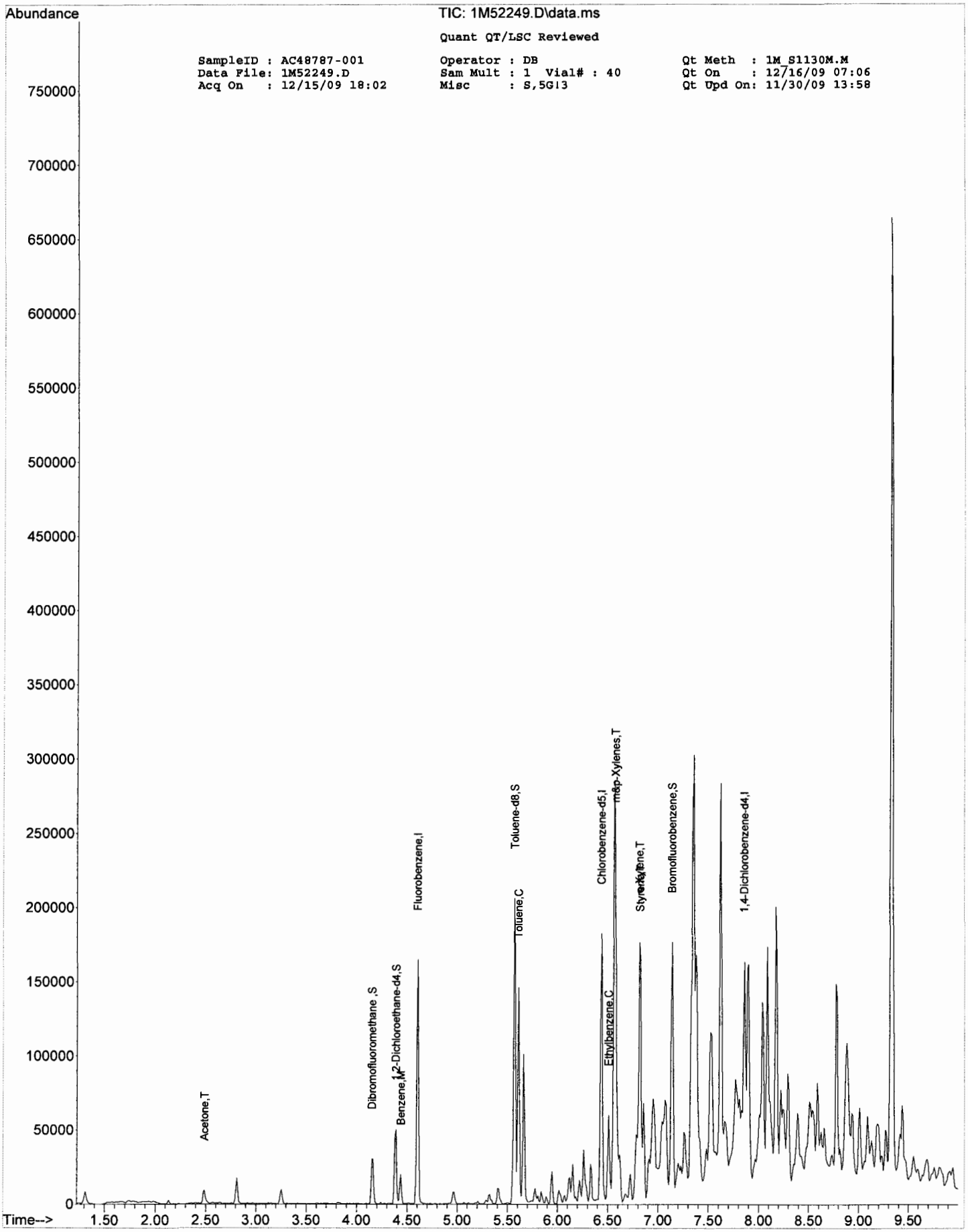
Quantitation Report (QT/LSC Reviewed)

SampleID : AC48787-001 Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52249.D Sam Mult : 1 Vial# : 40 Qt On : 12/16/09 07:06
Acq On : 12/15/09 18:02 Misc : S,5G!3 Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-15-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.605	96	77596	30.00	ug/l	-0.01
45) Chlorobenzene-d5	6.438	117	66235	30.00	ug/l	-0.01
60) 1,4-Dichlorobenzene-d4	7.857	152	30532	30.00	ug/l	-0.02
System Monitoring Compounds						
30) Dibromofluoromethane	4.151	111	14408	20.72	ug/l	-0.02
Spiked Amount 30.000			Recovery = 69.07%			
32) 1,2-Dichloroethane-d4	4.388	102	3995	30.24	ug/l	-0.01
Spiked Amount 30.000			Recovery = 100.80%			
56) Toluene-d8	5.571	100	56352	28.80	ug/l	-0.01
Spiked Amount 30.000			Recovery = 96.00%			
64) Bromofluorobenzene	7.138	174	28556	33.13	ug/l	-0.01
Spiked Amount 30.000			Recovery = 110.43%			
Target Compounds						Qvalue
14) Acetone	2.486	43	11527	64.88	ug/l	97
43) Benzene	4.437	78	9815	3.46	ug/l	100
57) Toluene	5.610	92	37466	12.82	ug/l	89
62) Ethylbenzene	6.507	106	5648	6.16	ug/l	95
65) Styrene	6.822	104	12787	5.58	ug/l	69
66) m&p-Xylenes	6.576	106	45255	29.87	ug/l	98
67) o-Xylene	6.812	106	26831	18.75	ug/l	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 1M52249.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC48787-001
Data File: 1M52249.D
Acq On : 12/15/09 18:02
Operator : DB
Sam Mult : 1 Vial# : 40
Misc : S,5G13
Qt Meth : 1M_S1130M.M
Qt On : 12/16/09 07:06
Qt Upd On: 11/30/09 13:58
750000
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650000
600000
550000
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450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Time-->
1.50
2.00
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50
8.00
8.50
9.00
9.50
Acetone,T
Dibromofluoromethane ,S
Benzene,M
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
Styrene,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I

Quantitation Report (Not Reviewed)

SampleID : AC48787-001(MS) Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52296.D Sam Mult : 1 Vial# : 30 Qt On : 12/16/09 17:14
Acq On : 12/16/09 16:59 Misc : S,5G!4 Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.595	96	91784	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.428	117	72593	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.847	152	34528	30.00	ug/l	-0.03
System Monitoring Compounds						
30) Dibromofluoromethane	4.152	111	16584	20.16	ug/l	-0.02
Spiked Amount 30.000			Recovery = 67.20%			
32) 1,2-Dichloroethane-d4	4.378	102	4176	26.72	ug/l	-0.02
Spiked Amount 30.000			Recovery = 89.07%			
56) Toluene-d8	5.561	100	62538	29.16	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.20%			
64) Bromofluorobenzene	7.128	174	32339	33.18	ug/l	-0.02
Spiked Amount 30.000			Recovery = 110.60%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.376	51	89037	39.77	ug/l	1
3) Dichlorodifluoromethane	1.376	85	33087	23.27	ug/l	96
4) Chloromethane	1.493	50	60634	42.34	ug/l	98
5) Bromomethane	1.811	94	21587	36.46	ug/l	95
6) Vinyl Chloride	1.577	62	45469	40.89	ug/l	99
7) Chloroethane	1.878	64	24297	46.18	ug/l	98
8) Trichlorofluoromethane	2.079	101	78510	40.81	ug/l	98
9) 1,1,2-Trichloro-1,2,2-...	2.456	101	36672	37.65	ug/l	92
10) Methylene Chloride	2.801	84	48215	41.38	ug/l	87
11) Acrolein	2.368	56	1735	21.43	ug/l	85
12) Acrylonitrile	2.979	53	8384	32.44	ug/l	99
13) Iodomethane	2.575	142	60511	37.81	ug/l	76
14) Acetone	2.476	43	59949	285.25	ug/l	99
15) Carbon Disulfide	2.634	76	113962	31.45	ug/l	100
16) t-Butyl Alcohol	2.870	59	10692	333.96	ug/l	86
17) n-Hexane	3.245	57	41956	25.65	ug/l	91
18) Di-isopropyl-ether	3.402	45	181138	42.47	ug/l	87
19) 1,1-Dichloroethene	2.456	61	114620	50.45	ug/l	90
20) Methyl Acetate	2.870	43	3114	5.34	ug/l	100
21) Methyl-t-butyl ether	3.028	73	74910	43.67	ug/l	75
22) 1,1-Dichloroethane	3.353	63	96698	38.65	ug/l	100
23) trans-1,2-Dichloroethene	3.028	96	44206	40.37	ug/l	89
24) cis-1,2-Dichloroethene	3.816	61	93421	39.73	ug/l	88
25) Bromochloromethane	3.994	49	45280	41.06	ug/l	81
26) 2,2-Dichloropropane	3.826	77	64524	41.09	ug/l	94
27) 1,4-Dioxane	5.039	88	25009	4217.38	ug/l	73
28) 1,1-Dichloropropene	4.299	75	64190	35.08	ug/l	95
29) Chloroform	4.043	83	88609	41.26	ug/l	95
31) Cyclohexane	4.240	56	68541	28.91	ug/l	87
33) 1,2-Dichloroethane	4.428	62	69068	54.69	ug/l	96
34) 2-Butanone	3.816	43	17681	49.28	ug/l	91
35) 1,1,1-Trichloroethane	4.191	97	65829	37.53	ug/l	93
36) Carbon Tetrachloride	4.309	117	56189	37.23	ug/l	95
37) Vinyl Acetate	3.402	43	90626	23.56	ug/l	100
38) Bromodichloromethane	5.117	83	45737	26.66	ug/l	97
39) Methylcyclohexane	4.960	83	48728	25.19	ug/l	82
40) Dibromomethane	5.039	174	26507	39.48	ug/l	92
41) 1,2-Dichloropropane	4.960	63	48922	38.56	ug/l	90
42) Trichloroethene	4.822	130	71318	58.97	ug/l	85
43) Benzene	4.428	78	176339	52.63	ug/l	100
44) tert-Amyl methyl ether	4.496	73	65424	40.57	ug/l	97
46) Dibromochloromethane	6.073	129	25862	24.75	ug/l	98
47) 2-Chloroethylvinylether	5.285	63	19273	37.03	ug/l	91
48) cis-1,3-Dichloropropene	5.393	75	58034	30.69	ug/l	99
49) trans-1,3-Dichloropropene	5.709	75	43511	27.83	ug/l	94
50) 1,1,2-Trichloroethane	5.827	97	10744	13.16	ug/l	95
51) 1,2-Dibromoethane	6.152	107	24564	29.85	ug/l	87
52) 1,3-Dichloropropane	5.935	76	51127	33.79	ug/l	100
53) 4-Methyl-2-Pentanone	5.472	43	32103	41.63	ug/l	98
54) 2-Hexanone	5.955	43	23195	44.99	ug/l	94
55) Tetrachloroethene	5.945	164	29431	26.13	ug/l	95
57) Toluene	5.600	92	102327	31.95	ug/l	97
58) 1,1,1,2-Tetrachloroethane	6.487	133	24341	24.43	ug/l	94
59) Chlorobenzene	6.448	112	70547	23.30	ug/l	99
61) Bromoform	6.941	173	15008	25.66	ug/l	96
62) Ethylbenzene	6.497	106	32000	30.85	ug/l	92
63) 1,1,2,2-Tetrachloroethane	7.187	83	1296	1.67	ug/l	56
65) Styrene	6.813	104	72965	28.15	ug/l	87
66) m&p-Xylenes	6.566	106	113037	65.97	ug/l	94

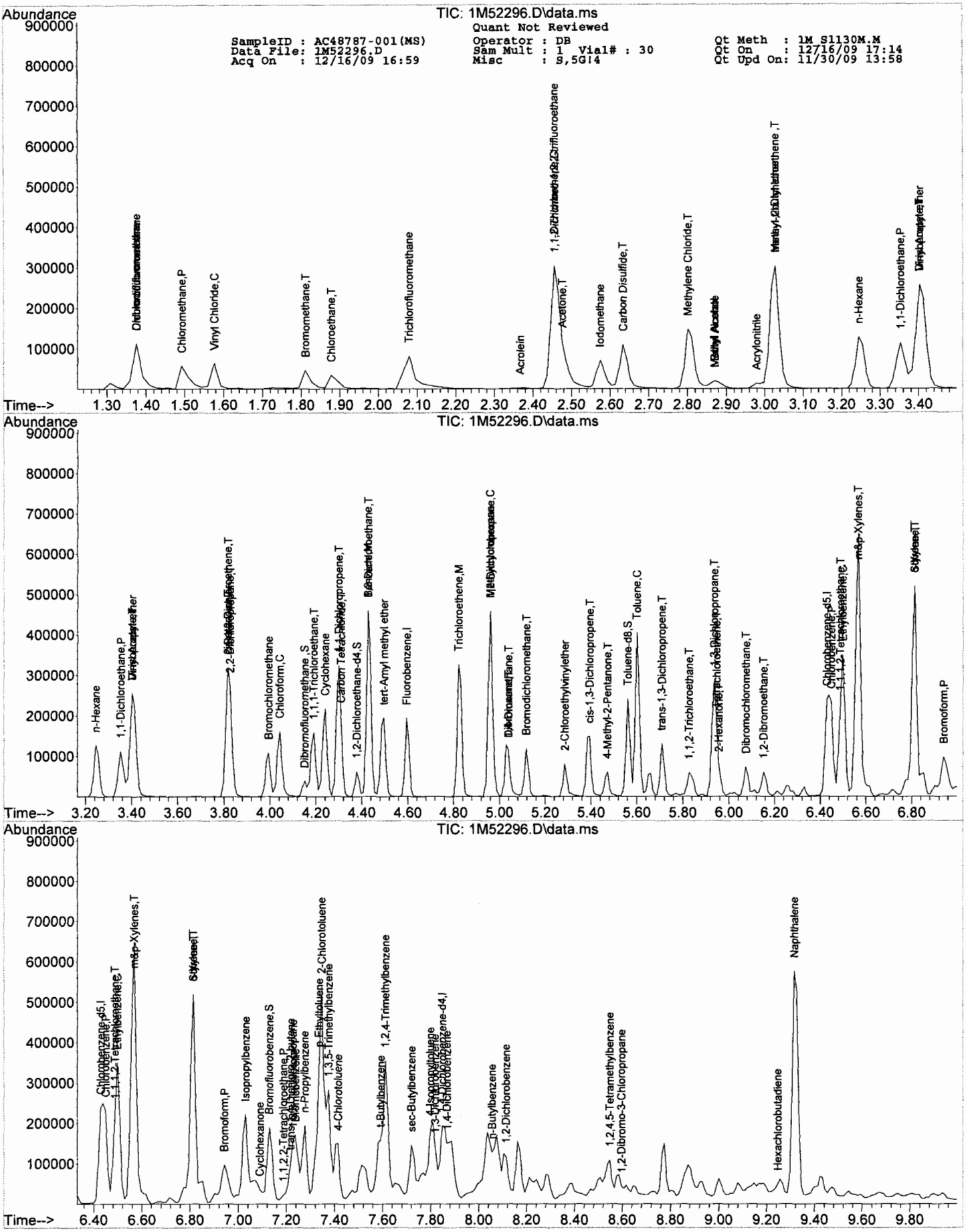
Quantitation Report (Not Reviewed)

SampleID : AC48787-001(MS) Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52296.D Sam Mult : 1 Vial# : 30 Qt On : 12/16/09 17:14
Acq On : 12/16/09 16:59 Misc : S,5G!4 Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) o-Xylene	6.813	106	57103	35.29 ug/l	85
68) trans-1,4-Dichloro-2-b...	7.217	53	11917	37.53 ug/l	40
69) 1,3-Dichlorobenzene	7.818	146	25418	16.97 ug/l	91
70) 1,4-Dichlorobenzene	7.867	146	26245	13.17 ug/l	83
71) 1,2-Dichlorobenzene	8.114	146	21721	12.30 ug/l	87
72) Isopropylbenzene	7.029	105	89504	20.70 ug/l	95
73) Cyclohexanone	7.089	55	14800	709.31 ug/l	68
74) 1,2,3-Trichloropropane	7.227	75	29811	28.21 ug/l	96
75) 2-Chlorotoluene	7.345	91	52117	18.42 ug/l	93
76) p-Ethyltoluene	7.335	105	131070	24.33 ug/l	88
77) 4-Chlorotoluene	7.414	91	42408	15.35 ug/l	96
78) n-Propylbenzene	7.276	91	103373	18.97 ug/l	98
79) Bromobenzene	7.236	77	58557	21.23 ug/l	82
80) 1,3,5-Trimethylbenzene	7.374	105	89300	28.82 ug/l	99
81) t-Butylbenzene	7.591	119	61434	18.22 ug/l	81
82) 1,2,4-Trimethylbenzene	7.611	105	140999	37.76 ug/l	91
83) sec-Butylbenzene	7.719	105	62273	13.72 ug/l	99
84) 4-Isopropyltoluene	7.798	119	52908	14.75 ug/l	90
85) n-Butylbenzene	8.054	91	60125	12.76 ug/l	91
87) 1,2,4,5-Tetramethylben...	8.547	119	38051	10.90 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	8.596	157	1714	12.65 ug/l	31
89) Hexachlorobutadiene	9.247	225	5310	4.68 ug/l	96
92) Naphthalene	9.316	128	386021	235.09 ug/l	100

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


Abundance
TIC: 1M52296.D\data.ms
Quant Not Reviewed
SampleID : AC48787-001(MS)
Data File: 1M52296.D
Acq On : 12/16/09 16:59
Operator : DB
Sam Mult : 1 Vial# : 30
Misc : S,5G14
Qt Meth : 1M_S1130M.M
Qt On : 12/16/09 17:14
Qt Upd On: 11/30/09 13:58
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methylene Chloride,T
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->

Abundance
TIC: 1M52296.D\data.ms
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
Carbon Tetrachloride-d4,S
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
Bromoform,P
Time-->

Abundance
TIC: 1M52296.D\data.ms
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene
4-Chlorotoluene
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Hexachlorobutadiene
Naphthalene
Time-->

Quantitation Report (Not Reviewed)

SampleID : AC48787-001(MSD) Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52297.D Sam Mult : 1 Vial# : 31 Qt On : 12/17/09 06:39
Acq On : 12/16/09 17:15 Misc : S,5G!5 Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.596	96	80622	30.00	ug/l	-0.02
45) Chlorobenzene-d5	6.429	117	66391	30.00	ug/l	-0.02
60) 1,4-Dichlorobenzene-d4	7.848	152	31367	30.00	ug/l	-0.03
System Monitoring Compounds						
30) Dibromofluoromethane	4.152	111	14528	20.11	ug/l	-0.02
Spiked Amount 30.000			Recovery = 67.03%			
32) 1,2-Dichloroethane-d4	4.379	102	4012	29.23	ug/l	-0.02
Spiked Amount 30.000			Recovery = 97.43%			
56) Toluene-d8	5.562	100	58413	29.78	ug/l	-0.02
Spiked Amount 30.000			Recovery = 99.27%			
64) Bromofluorobenzene	7.129	174	29008	32.76	ug/l	-0.02
Spiked Amount 30.000			Recovery = 109.20%			
Target Compounds						Qvalue
2) Chlorodifluoromethane	1.376	51	54589	27.76	ug/l	1
3) Dichlorodifluoromethane	1.359	85	19558	15.66	ug/l	88
4) Chloromethane	1.493	50	37028	29.44	ug/l	100
5) Bromomethane	1.812	94	14764	28.39	ug/l	92
6) Vinyl Chloride	1.577	62	24775	25.36	ug/l	94
7) Chloroethane	1.879	64	14852	32.14	ug/l	91
8) Trichlorofluoromethane	2.080	101	47344	28.02	ug/l	97
9) 1,1,2-Trichloro-1,2,2-...	2.457	101	22984	26.86	ug/l	91
10) Methylene Chloride	2.802	84	32071	31.34	ug/l	88
11) Acrolein	2.378	56	1333	18.74	ug/l	87
12) Acrylonitrile	2.979	53	7648	33.69	ug/l	94
13) Iodomethane	2.575	142	37871	26.94	ug/l	79
14) Acetone	2.477	43	44414	240.59	ug/l	99
15) Carbon Disulfide	2.634	76	69312	21.77	ug/l	100
16) t-Butyl Alcohol	2.871	59	7371	262.10	ug/l	72
17) n-Hexane	3.245	57	26696	18.58	ug/l	94
18) Di-isopropyl-ether	3.403	45	127886	34.14	ug/l	88
19) 1,1-Dichloroethene	2.457	61	74003	37.08	ug/l	91
20) Methyl Acetate	2.871	43	1558	3.04	ug/l	100
21) Methyl-t-butyl ether	3.029	73	52549	34.88	ug/l	72
22) 1,1-Dichloroethane	3.354	63	64904	29.53	ug/l	96
23) trans-1,2-Dichloroethene	3.029	96	27341	28.43	ug/l	85
24) cis-1,2-Dichloroethene	3.817	61	61321	29.69	ug/l	86
25) Bromochloromethane	3.985	49	30294	31.27	ug/l	62
26) 2,2-Dichloropropane	3.827	77	38933	28.23	ug/l	89
27) 1,4-Dioxane	5.039	88	17682	3394.62	ug/l	77
28) 1,1-Dichloropropene	4.300	75	38924	24.22	ug/l	97
29) Chloroform	4.044	83	56259	29.83	ug/l	99
31) Cyclohexane	4.241	56	41656	20.00	ug/l	87
33) 1,2-Dichloroethane	4.428	62	51105	46.07	ug/l	98
34) 2-Butanone	3.817	43	13246	42.03	ug/l	87
35) 1,1,1-Trichloroethane	4.192	97	41364	26.85	ug/l	96
36) Carbon Tetrachloride	4.300	117	33954	25.62	ug/l	97
37) Vinyl Acetate	3.403	43	63544	18.81	ug/l	100
38) Bromodichloromethane	5.118	83	29596	19.64	ug/l	98
39) Methylcyclohexane	4.960	83	29335	17.26	ug/l	87
40) Dibromomethane	5.029	174	17020	28.86	ug/l	96
41) 1,2-Dichloropropane	4.960	63	32916	29.54	ug/l	94
42) Trichloroethene	4.822	130	42060	39.59	ug/l	82
43) Benzene	4.428	78	116398	39.55	ug/l	100
44) tert-Amyl methyl ether	4.487	73	46656	32.94	ug/l	91
46) Dibromochloromethane	6.074	129	17318	18.12	ug/l	96
47) 2-Chloroethylvinylether	5.286	63	12832	26.96	ug/l	92
48) cis-1,3-Dichloropropene	5.384	75	36804	21.28	ug/l	96
49) trans-1,3-Dichloropropene	5.709	75	28814	20.15	ug/l	99
50) 1,1,2-Trichloroethane	5.828	97	6829	9.15	ug/l	92
51) 1,2-Dibromoethane	6.153	107	16268	21.62	ug/l	86
52) 1,3-Dichloropropane	5.926	76	36605	26.45	ug/l	99
53) 4-Methyl-2-Pentanone	5.473	43	23946	33.95	ug/l	97
54) 2-Hexanone	5.956	43	16971	35.99	ug/l	99
55) Tetrachloroethene	5.936	164	17281	16.78	ug/l	95
57) Toluene	5.601	92	65097	22.23	ug/l	96
58) 1,1,1,2-Tetrachloroethane	6.488	133	15140	16.61	ug/l	94
59) Chlorobenzene	6.449	112	44584	16.10	ug/l	97
61) Bromoform	6.941	173	10210	19.21	ug/l	97
62) Ethylbenzene	6.498	106	18664	19.81	ug/l	85
65) Styrene	6.813	104	45433	19.30	ug/l	88
66) m&p-Xylenes	6.567	106	69811	44.85	ug/l	90
67) o-Xylene	6.813	106	36309	24.70	ug/l	90

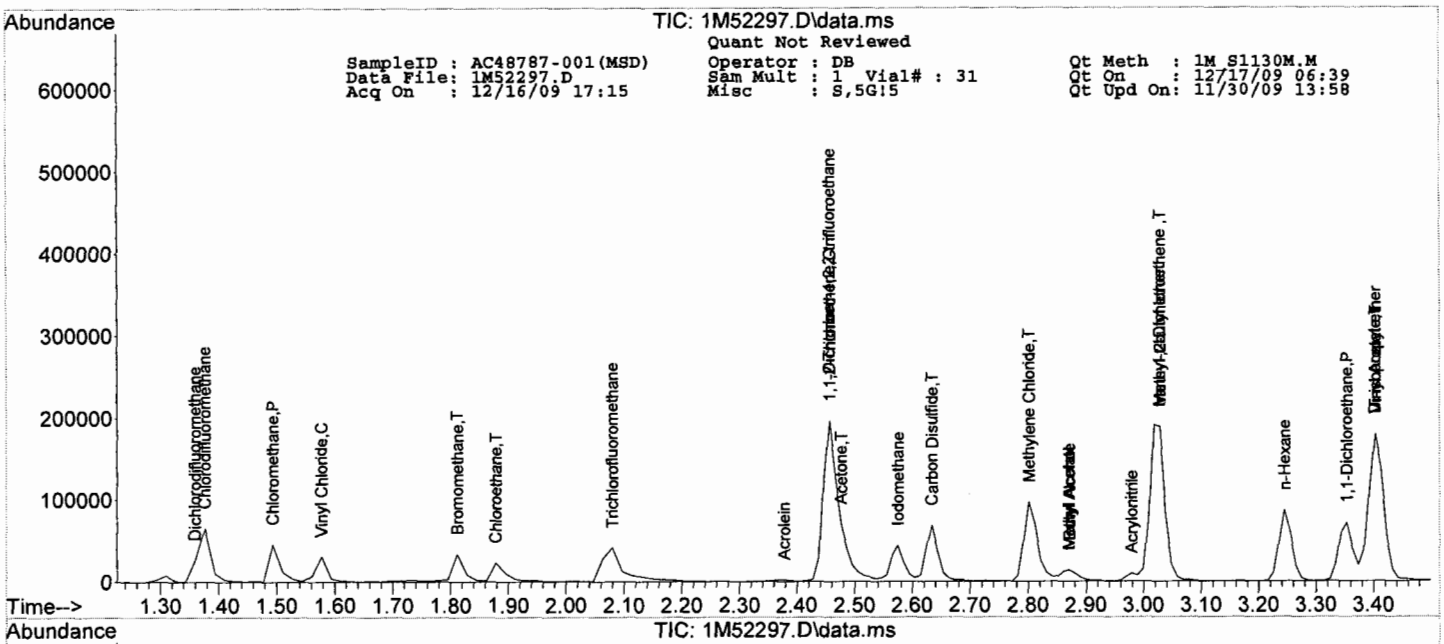
Quantitation Report (Not Reviewed)

SampleID : AC48787-001(MSD) Operator : DB Qt Meth : 1M_S1130M.M
Data File: 1M52297.D Sam Mult : 1 Vial# : 31 Qt On : 12/17/09 06:39
Acq On : 12/16/09 17:15 Misc : S,5G!5 Qt Upd On: 11/30/09 13:58

Data Path : G:\GcMsData\2009\GCMS_1\Data\12-16-09\
Qt Path : G:\Gcmsdata\2009\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) trans-1,4-Dichloro-2-b...	7.217	53	8832	30.62	ug/l	24
69) 1,3-Dichlorobenzene	7.818	146	15618	11.48	ug/l	88
70) 1,4-Dichlorobenzene	7.868	146	15099	8.34	ug/l	75
71) 1,2-Dichlorobenzene	8.114	146	13256	8.26	ug/l	85
72) Isopropylbenzene	7.030	105	54518	13.88	ug/l	96
73) Cyclohexanone	7.089	55	11788	621.89	ug/l	88
74) 1,2,3-Trichloropropane	7.227	75	18358	19.12	ug/l	100
75) 2-Chlorotoluene	7.345	91	31561	12.28	ug/l	91
76) p-Ethyltoluene	7.336	105	80285	16.32	ug/l	97
77) 4-Chlorotoluene	7.414	91	25032	9.98	ug/l	98
78) n-Propylbenzene	7.276	91	61648	12.45	ug/l	99
79) Bromobenzene	7.237	77	37871	15.12	ug/l	81
80) 1,3,5-Trimethylbenzene	7.375	105	56395	19.94	ug/l	98
81) t-Butylbenzene	7.592	119	37011	12.08	ug/l	74
82) 1,2,4-Trimethylbenzene	7.612	105	91822	27.07	ug/l	89
83) sec-Butylbenzene	7.720	105	37560	9.11	ug/l	98
84) 4-Isopropyltoluene	7.799	119	31801	9.76	ug/l	90
85) n-Butylbenzene	8.055	91	38765	9.05	ug/l	88
87) 1,2,4,5-Tetramethylben...	8.548	119	23266	7.34	ug/l	97
89) Hexachlorobutadiene	9.248	225	3253	3.16	ug/l	96
92) Naphthalene	9.317	128	295169	197.87	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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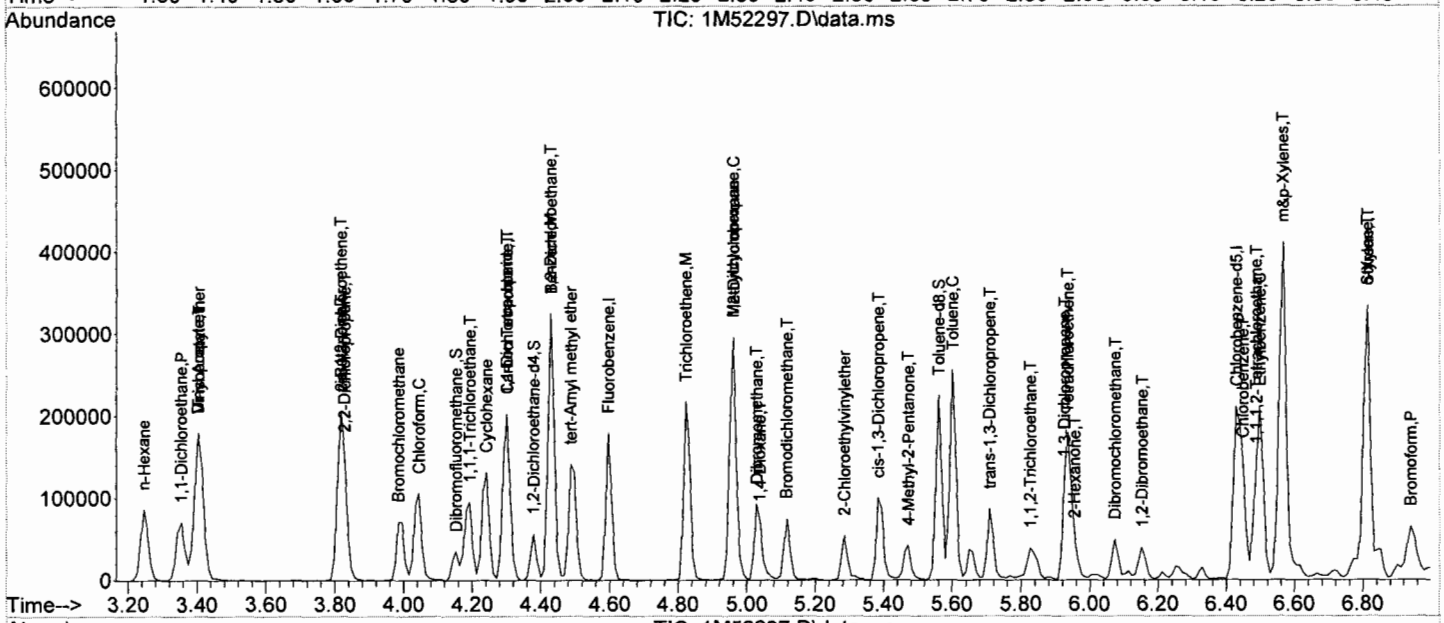
Quant Not Reviewed
SampleID : AC48787-001(MSD)
Data File: 1M52297.D
Acq On : 12/16/09 17:15
Operator : DB
Sam Mult : 1 Vial# : 31
Misc : S,5G!5
Qt Meth : 1M_S1130M.M
Qt On : 12/17/09 06:39
Qt Upd On: 11/30/09 13:58
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methylene Chloride,T
Acrylonitrile
n-Hexane
1,1-Dichloroethane,P
Time-->


Abundance
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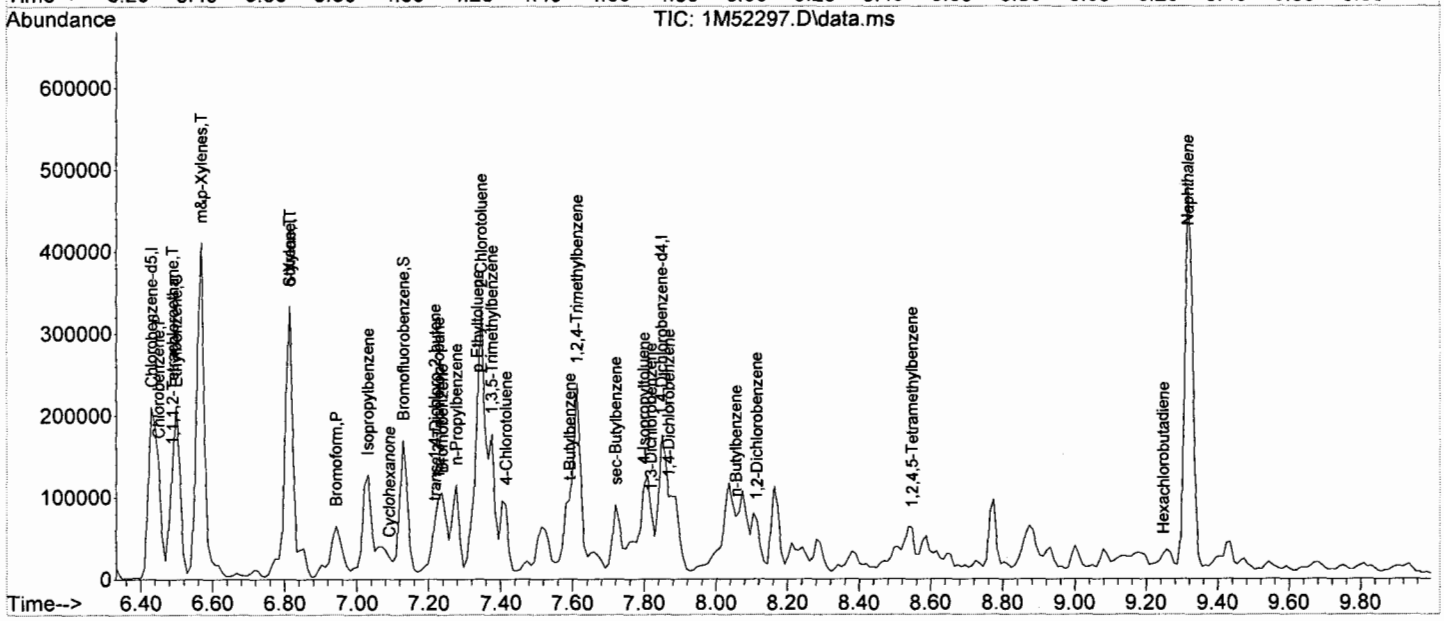
n-Hexane
1,1-Dichloroethane,P
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
Bromoform,P
Time-->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Chlorobenzene-d5,I
m&p-Xylenes,T
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
1,3,5-Trimethylbenzene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
Hexachlorobutadiene
Naphthalene
Time-->

GC/MS Volatile Data
Logbook Data

RUN LOG

Instrument: GCMS_1 Year: 2009 0175
Analyst: WP

1-1-1M51530

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M51530.	BFB TUNE		V-77129,V-71991, V-77472 V-77427 12/2/09	db						11/30 08:25
1M51531.	CAL @ 50 PPB	C16C18	-	db		Soil	0.4	1	624 8260	11/30 08:35
1M51532.	BLK	C8fSd	-	db		Soil	0.4	1	8260	11/30 08:51
1M51533.	CAL @ 500 PPB	Oc	b-6836	db		Soil	1	1	624 8260	11/30 09:10
1M51534.	CAL @ 250 PPB		b-6836	db		Soil	1	1	624 8260	11/30 09:26
1M51535.	CAL @ 100 PPB		b-6836	db		Soil	1	1	624 8260	11/30 09:42
1M51536.	CAL @ 50 PPB		b-6836	db		Soil	1	1	624 8260	11/30 09:58
1M51537.	CAL @ 20 PPB		b-6836	db		Soil	1	1	624 8260	11/30 10:14
1M51538.	CAL @ 10 PPB		b-6836	db		Soil	1	1	624 8260	11/30 10:30
1M51539.	CAL @ 5 PPB		b-6836	db		Soil	1	1	624 8260	11/30 10:46
1M51540.	BLK	Is	-	db		Soil	1	1	8260	11/30 11:03
1M51541.	CAL @ 0.5 PPB		b-6836	db		Soil	1	1	624 8260	11/30 11:19
1M51542.	CAL @ 1 PPB		b-6836	db		Soil	1	1	624 8260	11/30 11:35
1M51543.	ICV	IvoSd	v-77437	db		Soil	2.5	1	8260	11/30 11:51
1M51544.	BLK		-	db		Soil	1	1	8260	11/30 12:13
1M51545.	DAILY BLANK		ok	db		Soil	1	1	8260	11/30 12:29
1M51547.	MBS14155		ok MBS14155	db		Soil	1	1	8260	11/30 12:53
1M51548.	MBS14156		- MBS14156	db		Soil	1	1	8260	11/30 13:17

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (6000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 6000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning..Ini cal file <> method..	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M16.M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checking Prep/rundates modcheckpreprunda	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

RUN LOG

1-1-1M52209

Instrument: GCMS_1 Year: 2009 0176
Analyst: DB

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M52209.	BFB TUNE		V-77129,V-78322,V-77957, V-77940	DB						12/15 07:12
1M52210.	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	12/15 07:26
1M52211.	BLK		-	DB		Soil	1	1	8260	12/15 07:49
1M52212.	DAILY BLANK		OK	DB		Soil	1	1	8260	12/15 08:05
1M52213.	MBS14322		- MBS14322	DB		Soil	1	1	8260	12/15 08:21
1M52214.	BLK		-	DB		Soil	1	1	8260	12/15 08:37
1M52215.	AC48818-006	Ao	2ND RUN	DB	VO10-8260	Soil	1	1	8260	12/15 08:53
1M52216.	MBS14329		OK MBS14329	DB		Soil	1	1	8260	12/15 09:09
1M52217.	AC48850-034		OK	DB	VO10-8260	Soil	1	1	8260	12/15 09:26
1M52218.	AC48870-001		OK	DB	VO15-8260	Soil	1	1	8260	12/15 09:42
1M52219.	AC48870-002		OK	DB	VO15-8260	Soil	1	1	8260	12/15 09:58
1M52220.	AC48870-003		OK	DB	VO15-8260	Soil	1	1	8260	12/15 10:14
1M52221.	AC48870-004		OK	DB	VO15-8260	Soil	1	1	8260	12/15 10:30
1M52222.	AC48883-001		OK	DB	VO10-8260	Soil	1	1	8260	12/15 10:46
1M52223.	AC48883-002		OK	DB	VO10-8260	Soil	1	1	8260	12/15 11:03
1M52224.	AC48883-003		OK	DB	VO10-8260	Soil	1	1	8260	12/15 11:19
1M52225.	AC48883-004		OK	DB	VO10-8260	Soil	1	1	8260	12/15 11:35
1M52226.	AC48883-005		OK	DB	VO10-8260	Soil	1	1	8260	12/15 11:51
1M52227.	AC48883-006		OK	DB	VO10-8260	Soil	1	1	8260	12/15 12:07
1M52228.	AC48883-007		OK	DB	VO10-8260	Soil	1	1	8260	12/15 12:23
1M52229.	AC48883-008		OK	DB	VO10-8260	Soil	1	1	8260	12/15 12:40
1M52230.	AC48866-001		OK	DB	VO10-8260	Soil	1	1	8260	12/15 12:56
1M52231.	AC48866-002		OK	DB	VO10-8260	Soil	1	1	8260	12/15 13:12
1M52232.	AC48866-003	Ao	RR-5g	DB	VO10-8260	Soil	1	1	8260	12/15 13:28
1M52233.	AC48866-004		OK	DB	VO10-8260	Soil	1	1	8260	12/15 13:44
1M52234.	AC48866-005		OK	DB	VO10-8260	Soil	1	1	8260	12/15 14:00
1M52235.	AC48866-009		OK	DB	VO10-8260	Soil	1	1	8260	12/15 14:16
1M52236.	AC48726-006		OK	DB	VO-8260	Soil	1	1	8260	12/15 14:33
1M52237.	AC48850-024(MS)		OK MBS14329	DB	VO10-8260	Soil	1	1	8260	12/15 14:49
1M52238.	AC48850-024(MSD)		OK MBS14329	DB	VO10-8260	Soil	1	1	8260	12/15 15:05
1M52239.	BLK		-	DB		Soil	1	1	8260	12/15 15:21
1M52240.	BLK		OK	DB		Soil	1	1	8260	12/15 15:37
1M52241.	MBS14334		- MBS14334	DB		Soil	1	1	8260	12/15 15:53
1M52242.	AC48726-009		OK	DB	VO-8260	Soil	1	1	8260	12/15 16:09
1M52243.	MBS14335		OK MBS14335	DB		Soil	1	1	8260	12/15 16:25
1M52244.	AC48726-021	Ao	RR-5g	DB	VO-8260	Soil	1	1	8260	12/15 16:42
1M52245.	AC48850-031(MS)		OK MBS14335	DB	VO10-8260	Soil	1	1	8260	12/15 16:58
1M52246.	AC48850-031(MSD)		OK MBS14335	DB	VO10-8260	Soil	1	1	8260	12/15 17:14
1M52247.	AC48887-007		OK	DB	VO-8260	Soil	1	1	8260	12/15 17:30
1M52248.	AC48887-006		OK	DB	VO-8260	Soil	1	1	8260	12/15 17:46
1M52249.	AC48787-001		OK	DB	VO15-8260	Soil	1	1	8260	12/15 18:02
1M52250.	AC48787-002		OK	DB	VO15-8260	Soil	1	1	8260	12/15 18:18
1M52251.	AC48892-004	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/15 18:34
1M52252.	AC48892-002		OK	DB	VO15-8260	Soil	1	1	8260	12/15 18:50
1M52253.	AC48892-001(5X)	S8Ao	RR-5g	DB	VO15-8260	Soil	1	5	8260	12/15 19:06
1M52254.	AC48887-008(5X)	Ti8	RR-5g	DB	VO-8260	Soil	1	5	8260	12/15 19:22
1M52255.	BLK	Ti8	-	DB		Soil	1	1	8260	12/15 19:38
1M52256.	BLK	Ti8	-	DB		Soil	1	1	8260	12/15 19:55
1M52257.	BLK	Ti8	-	DB		Soil	1	1	8260	12/15 20:11
1M52258.	BLK	Ti8	-	DB		Soil	1	1	8260	12/15 20:27
1M52259.	BLK	Ti8	-	DB		Soil	1	1	8260	12/15 20:43

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	Evrc	Eval Mix missing dflt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calinit.csv for init calibration chek rfs	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Cma	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method..	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checking Prep/rundates modcheckprepruncla	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 sar Too many samples begin Calibration

RUN LOG

1-1-1M52264

Instrument: GCMS_1 Year: 2009 0177
Analyst: DB

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M52264.	BFB TUNE		V-77129,V-78377,V-77957, V-77940	DB						12/16 08:12
1M52265.	CAL @ 50 PPB	C16	OK	DB		Soil	0.4	1	624 8260	12/16 08:30
1M52266.	BLK		-	DB		Soil	1	1	8260	12/16 08:53
1M52267.	BLK		-	DB		Soil	1	1	8260	12/16 09:10
1M52268.	DAILY BLANK		OK	DB		Soil	1	1	8260	12/16 09:26
1M52269.	BLK		-	DB		Soil	1	1	8260	12/16 09:42
1M52270.	AC48866-003		OK	DB	VO10-8260	Soil	1	1	8260	12/16 10:00
1M52271.	AC48892-003	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 10:16
1M52272.	MBS14339		OK MBS14339	DB		Soil	1	1	8260	12/16 10:32
1M52273.	AC48726-021		OK	DB	VO-8260	Soil	1	1	8260	12/16 10:48
1M52274.	AC48909-001		OK	DB	VO10-8260	Soil	1	1	8260	12/16 11:04
1M52275.	AC48909-002		OK	DB	VO10-8260	Soil	1	1	8260	12/16 11:20
1M52276.	AC48909-003		OK	DB	VO10-8260	Soil	1	1	8260	12/16 11:37
1M52277.	AC48908-003		OK	DB	VO15-8260	Soil	1	1	8260	12/16 11:53
1M52278.	BLK		-	DB		Soil	1	1	8260	12/16 12:09
1M52279.	AC48787-002(MS)		OK MBS14339	DB	VO15-8260	Soil	1	1	8260	12/16 12:25
1M52280.	AC48787-002(MSD)	Ao	-	DB	VO15-8260	Soil	1	1	8260	12/16 12:41
1M52281.	BLK		-	DB		Soil	1	1	8260	12/16 12:57
1M52282.	AC48892-004	S8Ao	2ND RUN	DB	VO15-8260	Soil	1	1	8260	12/16 13:13
1M52283.	AC48892-001	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 13:30
1M52284.	AC48887-008	S8Ao	RR-5g	DB	VO-8260	Soil	1	1	8260	12/16 13:46
1M52285.	AC48886-002		OK	DB	VO10-8260	Soil	1	1	8260	12/16 14:02
1M52286.	AC48886-001		OK	DB	VO10-8260	Soil	1	1	8260	12/16 14:18
1M52287.	BLK		-	DB		Soil	1	1	8260	12/16 14:34
1M52288.	AC48906-001	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 14:50
1M52289.	AC48906-002		OK	DB	VO15-8260	Soil	1	1	8260	12/16 15:06
1M52290.	AC48906-003	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 15:22
1M52291.	AC48906-004		OK	DB	VO15-8260	Soil	1	1	8260	12/16 15:39
1M52292.	BLK		-	DB		Soil	1	1	8260	12/16 15:55
1M52293.	BLK		-	DB		Soil	1	1	8260	12/16 16:11
1M52294.	AC48892-003		OK	DB	VO15-8260	Soil	1	1	8260	12/16 16:27
1M52295.	MBS14345		OK MBS14345	DB		Soil	1	1	8260	12/16 16:43
1M52296.	AC48787-001(MS)	M18	OK MBS14345	DB	VO15-8260	Soil	1	1	8260	12/16 16:59
1M52297.	AC48787-001(MSD)	M18R18	OK MBS14345	DB	VO15-8260	Soil	1	1	8260	12/16 17:15
1M52298.	BLK		-	DB		Soil	1	1	8260	12/16 17:31
1M52299.	AC48920-001	Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 17:48
1M52300.	AC48920-002	Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 18:04
1M52301.	AC48920-003	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 18:20
1M52302.	AC48920-004	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 18:36
1M52303.	AC48920-005	Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 18:52
1M52304.	AC48920-006	S8Ao	RR-5g - large peak	DB	VO15-8260	Soil	1	1	8260	12/16 19:08
1M52305.	AC48920-007	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 19:24
1M52306.	AC48920-008	S8Ao	RR-5g	DB	VO15-8260	Soil	1	1	8260	12/16 19:40
1M52307.	AC48787-002(MSD)		OK MBS14339	DB	VO15-8260	Soil	1	1	8260	12/16 19:56
1M52308.	BLK		-	DB		Soil	1	1	8260	12/16 20:12
1M52309.	BLK	Ti8	-	DB		Soil	1	1	8260	12/16 20:28
1M52310.	BLK	S8Ti8	-	DB		Soil	1	1	8260	12/16 20:44
1M52311.	BLK	Ti8	-	DB		Soil	1	1	8260	12/16 21:00

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16.R26	Rnd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18.R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek rfs	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning..Ini cal file <> method..	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checking Prep/rundates modcheckprerunda	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-59551

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: VOA ADD MIX | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 1/23/2009 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/23/2010 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
3741	Methanol	5 ml	neat neat	
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm

Veritech Lot Number: V-59552

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: VOA ADD MIX(2nd Source) | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 1/23/2009 | Concentration: 5000 ppm | Checked: Yes
Expiration Date: 1/23/2010 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	25 mg	NEAT	5000 ppm
2881	p-DIETHYLBENZENE	25 mg	NEAT	5000 ppm
2880	p-ETHYLTOLUENE	25 mg	NEAT	5000 ppm
3741	Methanol	5 ml	neat neat	

Veritech Lot Number: V-63397

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: VOA STOCK INT/SURR MIX | BatchNumber: | ApproveDate: 09/03/09
Prep Date: 4/2/2009 | Concentration: 1500 ppm | Checked: Yes
Expiration Date: 4/2/2010 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3178	1,2-Dichloroethane-d4	150 mg	NEAT	1500 ppm
1297	TOLUENE-D8	150 mg	NEAT	1500 ppm
1295	CHLOROBENZENE-D5	150 mg	NEAT	1500 ppm
2615	1,4-Dichlorobenzene-d4	150 mg	neat neat	1500 ppm
777	1-bromo-4-fluorobenzene	150 mg	neat	1500 ppm
3693	Dibromofluoromethane	150 mg	NEAT	1500 ppm
3741	Methanol	100 ml	neat neat	
3661	Fluorobenzene	150 mg	NEAT	1500 ppm

Veritech Lot Number: V-65724

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: CYCLOHEXANONE | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 5/13/2009 | Concentration: 10000 ppm | Checked: Yes
Expiration Date: 5/13/2010 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
4030	METHANOL	10 ml	NEAT neat	

Veritech Lot Number: V-65725

Prepared By: Revolus, Jean | Department: Organics | ApprovedBy: jean
Description: CYCLOHEXANONE(2nd Source) | BatchNumber: | ApproveDate: 07/30/09
Prep Date: 5/13/2009 | Concentration: 10000 ppm | Checked: Yes
Expiration Date: 5/13/2010 | Final Volume: 10 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2726	CYCLOHEXANONE	100 mg	NEAT	10000 ppm
4030	METHANOL	10 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-71991

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: jean
Description: VOA WORKING INT/SURR MIX | BatchNumber: | ApproveDate: 08/28/09
Prep Date: 8/25/2009 | Concentration: 150 ppm | Checked: Yes
Expiration Date: 1/25/2010 | Final Volume: 250 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1912	METHANOL	225 ml	NEAT	
V-63397	VOA STOCK INT/SURR MIX	25 ml	1500 ppm	150 ppm

Veritech Lot Number: V-77129

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: BFB Tune Mix | BatchNumber: | ApproveDate: 11/24/09
Prep Date: 11/20/2009 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 1/25/2010 | Final Volume: 1.5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-71991	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
1230	METHANOL	1000 ul	NEAT	

Veritech Lot Number: V-77425

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: 200ppm VOA Working Std | BatchNumber: | ApproveDate: 12/01/09
Prep Date: 11/30/2009 | Concentration: VARIOUS pp | Checked: Yes
Expiration Date: 12/19/2009 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4293	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
1588	P&T METHANOL	360 ul	NEAT neat	neat
4213	CUSTOM VOC MIX	100 ul	2000/VARIO	various ppm
3838	8260 ADDITIONS	100 ul	2000 ppm	200 ppm
4290	GASES(PURGEABLE HALOCARBONS)	100 ul	2000 ppm	200 ppm
4281	tert-Amyl methyl ether	100 ul	2000 ppm	200 ppm
V-59551	VOA ADD MIX	40 ul	5000 ppm	200 ppm
V-65724	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm

Veritech Lot Number: V-77426

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 500 PPB | BatchNumber: | ApproveDate: 12/01/09
Prep Date: 11/30/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/1/2009 | Final Volume: 40 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-77425	200ppm VOA Working Std	100 ul	VARIOUS pp	500 ppb
1398	p&t water	40 ml	neat neat	neat
4457	CHLORODIFLUOROMETHANE	100 ul	200 ppm	500 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-77427

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 11/30/2009
Expiration Date: 12/19/2009
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/01/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4458	8260 ADDITIONS MIX	50 ul	2000 ppm	100 ppm
4285	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
4283	VOA COMP MIX #6(GASES)	50 ul	2000 ppm	100 ppm
1308	METHANOL	680 ul	NEAT	neat neat
4214	CUSTOM VOC MIX(2nd SOURCE)	50 ul	2000/VARIO	various ppm
V-59552	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
V-65725	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
4269	tert-Amyl, Methyl Ether	50 ul	2000 ppm	100 ppm

Veritech Lot Number: V-77428

Prepared By: Previlon, Wilner
Description: Soil8260 CAL @ 250 PPB
Prep Date: 11/30/2009
Expiration Date: 12/1/2009
Department: Organics
BatchNumber: B-6836
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/01/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	2.5 ml	neat neat	
V-77426	Soil8260 CAL @ 500 PPB	2.5 ml	VARIOUS pp	250 ppb

Veritech Lot Number: V-77429

Prepared By: Previlon, Wilner
Description: Soil8260 CAL @ 100 PPB
Prep Date: 11/30/2009
Expiration Date: 12/1/2009
Department: Organics
BatchNumber: B-6836
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/01/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4 ml	neat neat	
V-77426	Soil8260 CAL @ 500 PPB	1 ml	VARIOUS pp	100 ppb

Veritech Lot Number: V-77430

Prepared By: Previlon, Wilner
Description: Soil8260 CAL @ 50 PPB
Prep Date: 11/30/2009
Expiration Date: 12/1/2009
Department: Organics
BatchNumber: B-6836
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/01/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-77426	Soil8260 CAL @ 500 PPB	.5 ml	VARIOUS pp	50 ppb
1398	p&t water	4.5 ml	neat neat	

Veritech Lot Number: V-77431

Prepared By: Previlon, Wilner
Description: Soil8260 CAL @ 20 PPB
Prep Date: 11/30/2009
Expiration Date: 12/1/2009
Department: Organics
BatchNumber: B-6836
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/01/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.8 ml	neat neat	
V-77426	Soil8260 CAL @ 500 PPB	.2 ml	VARIOUS pp	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-77432

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 10 PPB | BatchNumber: B-6836 | ApproveDate: 12/01/09
Prep Date: 11/30/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/1/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.9 ml	neat neat	
V-77426	Soil8260 CAL @ 500 PPB	.1 ml	VARIOUS pp	10 ppb

Veritech Lot Number: V-77433

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 5 PPB | BatchNumber: B-6836 | ApproveDate: 12/01/09
Prep Date: 11/30/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/1/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.95 ml	neat neat	
V-77426	Soil8260 CAL @ 500 PPB	.05 ml	VARIOUS pp	5 ppb

Veritech Lot Number: V-77434

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 1 PPB | BatchNumber: B-6836 | ApproveDate: 12/01/09
Prep Date: 11/30/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/1/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.99 ml	neat neat	
V-77426	Soil8260 CAL @ 500 PPB	.01 ml	VARIOUS pp	1 ppb

Veritech Lot Number: V-77435

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 500 PPB | BatchNumber: B-6836 | ApproveDate: 12/01/09
Prep Date: 11/30/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/1/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-77426	Soil8260 CAL @ 500 PPB	5 ml	VARIOUS pp	500 ppb

Veritech Lot Number: V-77436

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: Soil8260 CAL @ 0.5 PPB | BatchNumber: B-6836 | ApproveDate: 12/01/09
Prep Date: 11/30/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/1/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	4.995 ml	neat neat	
V-77426	Soil8260 CAL @ 500 PPB	.005 ml	VARIOUS pp	0.5 ppb

Veritech Lot Number: V-77437

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: DAN
Description: ICV CAL @ 50 PPB | BatchNumber: | ApproveDate: 12/01/09
Prep Date: 11/30/2009 | Concentration: VARIOUS ppb | Checked: Yes
Expiration Date: 12/1/2009 | Final Volume: 5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1398	p&t water	5 ml	neat neat	
V-77427	MBS	2.5 ul	100 ppm	50 ppb
4457	CHLORODIFLUOROMETHANE	1.25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-77939

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 12/8/2009
Expiration Date: 12/19/2009
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/09/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4293	502/524 VOA CAL MIX	100 ul	2000 ppm	200 ppm
1588	P&T METHANOL	360 ul	NEAT neat	neat
4213	CUSTOM VOC MIX	100 ul	2000/VARIO	various ppm
4512	METHOD 8260 ADDITIONS	100 ul	2000 ppm	200 ppm
4278	502 CAL MIX#1(GASES)	100 ul	2000 ppm	200 ppm
4281	tert-Amyl methyl ether	100 ul	2000 ppm	200 ppm
V-59551	VOA ADD MIX	40 ul	5000 ppm	200 ppm
V-65724	CYCLOHEXANONE	100 ul	10000 ppm	1000 ppm

Veritech Lot Number: V-77940

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 12/8/2009
Expiration Date: 12/19/2009
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: DAN
ApproveDate: 12/09/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4284	8260 ADDITIONS MIX#2	50 ul	2000 ppm	100 ppm
4285	502/524 VOA CAL MIX	50 ul	2000 ppm	100 ppm
4283	VOA COMP MIX #6(GASES)	50 ul	2000 ppm	100 ppm
1308	METHANOL	680 ul	NEAT	neat neat
4214	CUSTOM VOC MIX(2nd SOURCE)	50 ul	2000/VARIO	various ppm
V-59552	VOA ADD MIX(2nd Source)	20 ul	5000 ppm	100 ppm
V-65725	CYCLOHEXANONE(2nd Source)	50 ul	10000 ppm	500 ppm
4269	tert-Amyl, Methyl Ether	50 ul	2000 ppm	100 ppm

Veritech Lot Number: V-77957

Prepared By: Previlon, Wilner
Description: VOA WORKING INT/SURR MIX
Prep Date: 12/8/2009
Expiration Date: 4/2/2010
Department: Organics
BatchNumber:
Concentration: 150 ppm
Final Volume: 200 ml
ApprovedBy: DAN
ApproveDate: 12/09/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1912	METHANOL	180 ml	NEAT	
V-63397	VOA STOCK INT/SURR MIX	20 ml	1500 ppm	150 ppm

Veritech Lot Number: V-78322

Prepared By: Batelli, Daniel
Description: CAL @ 50 PPB
Prep Date: 12/15/2009
Expiration Date: 12/16/2009
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: DAN
ApproveDate: 12/15/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-77939	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4457	CHLORODIFLUOROMETHANE	1.25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-78377

Prepared By:	Batelli, Daniel	Department: Organics	ApprovedBy: DAN
Description:	CAL @ 50 PPB	BatchNumber:	ApproveDate: 12/16/09
Prep Date:	12/16/2009	Concentration: VARIOUS ppb	Checked: Yes
Expiration Date:	12/17/2009	Final Volume: 5 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-77939	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
1398	p&t water	5 ml	neat neat	
4457	CHLORODIFLUOROMETHANE	1.25 ul	200 ppm	50 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 777

Description
1-bromo-4-fluorobenzene

ApprovedBy: jean
ApproveDate: 09/03/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	b6,720-1	08115kn	06/05/01	06/11/11	jean	1	25ml	neat	

Veritech Control/Receipt Number: 1230

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	045850	06/22/05	06/22/15	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1295

Description
CHLOROBENZENE-D5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	176605-1G	02702EA	09/06/05	09/30/15	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 1297

Description
TOLUENE-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	434388-5G	02504HB	09/06/05	09/30/15	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 1308

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	052204	09/14/05	09/14/10	Revolus, Jean	36	1L	NEAT	

Veritech Control/Receipt Number: 1398

Description
p&t water

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
veritech	na	na	01/01/08	11/01/10	Batelli, Daniel	1	na	neat	neat

Veritech Control/Receipt Number: 1588

Description
P&T METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	055310	03/03/06	03/03/10	Wickliffe, David	6	1L	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1912

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	A453-1	063720	09/07/06	08/28/10	Revolus, Jean	42	1L	NEAT	

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2726

Description
CYCLOHEXANONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F2326	352-153B	09/04/07	01/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2880

Description
p-ETHYLTOLUENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-2413	376-30A	11/19/07	01/31/12	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 2881

Description
p-DIETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-2296	371-140A	11/19/07	12/31/10	Revolus, Jean	3	100m	NEAT	

Veritech Control/Receipt Number: 2889

Description
1,2,4,5-TETRAMETHYLBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACROS ORGANI	409390050	A0214190	11/20/07	11/30/20	Revolus, Jean	1	1ML	NEAT	

Veritech Control/Receipt Number: 3178

Description
1,2-Dichloroethane-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SIGMA-ALDRICH	396540-1G	EW0372	03/26/08	03/26/18	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3661

Description
Fluorobenzene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F839	388-117B	10/06/08	09/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 3693

Description
Dibromofluoromethane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30634	A063048	10/22/08	09/30/13	Revolus, Jean	5	100m	NEAT	

Veritech Control/Receipt Number: 3741

Description
Methanol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	907702	G32E79	11/13/08	11/12/10	Okomeng, Maxwel	48	1LT	neat	neat

Veritech Control/Receipt Number: 3838

Description
8260 ADDITIONS

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB55764	01/09/09	12/31/10	Revolus, Jean	5	1ML	2000	PPM

Veritech Control/Receipt Number: 4030

Description
METHANOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	907702	G49E42	04/07/09	04/06/11	Okomeng, Maxwel	48	1LT	NEAT	NEAT

Veritech Control/Receipt Number: 4213

Description
CUSTOM VOC MIX

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	209061237	06/24/09	12/19/09	Revolus, Jean	5	1ml	2000/VA	PPM

Veritech Control/Receipt Number: 4214

Description
CUSTOM VOC MIX(2nd SOURCE)

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	S-16418	209061250	06/24/09	12/19/09	Revolus, Jean	5	1ml	2000/VA	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4269

Description
tert-Amyl, Methyl Ether

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30629	A056353	07/24/09	11/30/12	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 4278

Description
502 CAL MIX#1(GASES)

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
RESTEK	30042	A067879	07/29/09	02/28/16	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4281

Description
tert-Amyl methyl ether

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	5-06737	LB64951	07/30/09	02/28/12	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 4283

Description
VOA COMP MIX #6(GASES)

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	48799-U	LB68277	07/30/09	09/30/10	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4284

Description
8260 ADDITIONS MIX#2

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	46831-U	LB64417	07/30/09	11/30/11	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4285

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	502111	LB66091	07/30/09	05/31/11	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 4290

Description
GASES(PURGEABLE HALOCARBONS)

ApprovedBy: jean
ApproveDate: 08/04/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-601B-10X	209061278	08/04/09	06/24/12	Revolus, Jean	2	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4293

Description
502/524 VOA CAL MIX

ApprovedBy: jean
ApproveDate: 08/04/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	LVOC-1JM	419-54A	08/04/09	02/28/10	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 4457

Description
CHLORODIFLUOROMETHANE

ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	ALR-CFC-003S-2X	209071278	10/14/09	07/29/19	Revolus, Jean	15	1ml	200	PPM

Veritech Control/Receipt Number: 4458

Description
8260 ADDITIONS MIX

ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	209091009	10/14/09	01/02/10	Revolus, Jean	1	1ml	2000	PPM

Veritech Control/Receipt Number: 4512

Description
METHOD 8260 ADDITIONS

ApprovedBy: jean
ApproveDate: 11/11/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	209091009-01	11/11/09	03/02/10	Revolus, Jean	2	1ml	2000	PPM

GC/MS Semi-Volatile Data

GC/MS Semi-Volatile Data
QC Summary

FORM2

Surrogate Recovery

Method: EPA 8270C

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M09121.D	SMB4361	Soil	12/18/09 13:00	1		100	94	90	88	95	89
9M22220.D	SMB4361	Soil	12/18/09 10:20	1		92	90	84	90	95	95
10M09122.D	AC48886-001	Soil	12/18/09 13:22	1		74	70	66	68	74	72
10M09123.D	AC48886-002	Soil	12/18/09 13:44	1		86	83	80	80	94	88
9M22221.D	SMB4361(MS)	Soil	12/18/09 10:43	1		88	86	86	89	96	92
9M22227.D	AC48751-024	Soil	12/18/09 13:00	1		75	77	73	77	89	87
9M22228.D	AC48751-024(	Soil	12/18/09 13:23	1		76	74	70	78	92	89
9M22229.D	AC48751-024(	Soil	12/18/09 13:46	1		79	81	73	79	88	86

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: 8270

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	35-118
S2=Phenol-d5	100	36-121
S3=Nitrobenzene-d5	50	34-128
S4=2-Fluorobiphenyl	50	42-125
S5=2,4,6-Tribromophenol	100	27-155
S6=Terphenyl-d14	50	40-158

FORM 3

Spike Recovery

Batch Number: SMB4361
Mbs Name: SMB4361(MS)
Ns Name: AC48751-024
Ms Name: AC48751-024(MS)
Msd Name: AC48751-024(MSD

Mbs File: 9M22221.D
Non Spk'd File: 9M22227.D
Spike File: 9M22228.D
Spike Dup File: 9M22229.D
Matrix: Soil
Method: EPA 8270C

Mbs Date: 12/18/09 10:43
Non Spk'd Date: 12/18/09 13:00
Spike Date : 12/18/09 13:23
Spike Dup Date: 12/18/09 13:46

Compound	C#	Co	Mr	Conc Exp	Lo Llm	Hi Lim	Rpd Llm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Phenol	10	1	0	100	35	130	31	80.89	0.00	68.07	75.45	81	68	75	10
2-Chlorophenol	11	1	0	100	43	131	32	88.29	0.00	75.67	81.75	88	76	82	7.7
1,4-Dichlorobenzene	14	1	0	50	26	128	41	41.22	0.00	35.62	36.67	82	71	73	2.9
2-Methylphenol	18	1	0	100	40	137	32	87.89	0.00	74.48	81.45	88	74	81	8.9
N-Nitroso-di-n-propyla	21	1	0	50	23	147	39	43.35	0.00	36.77	40.12	87	74	80	8.7
2,4-Dimethylphenol	28	1	0	100	47	135	32	90.06	0.00	78.98	81.63	90	79	82	3.3
1,2,4-Trichlorobenzen	32	1	0	50	40	129	39	43.48	0.00	39.03	39.30	87	78	79	0.69
Naphthalene	33	1	0	50	44	132	41	44.09	0.00	38.23	38.70	88	76	77	1.2
4-Chloro-3-methylphe	37	1	0	100	45	142	32	89.57	0.00	78.30	81.10	90	78	81	3.5
Acenaphthene	55	1	0	50	47	137	58	44.77	0.00	39.26	40.20	90	79	80	2.4
2,4-Dinitrotoluene	59	1	0	50	30	139	47	42.31	0.00	35.38	39.09	85	71	78	10
4-Nitrophenol	60	1	0	100	35	146	36	92.35	0.00	78.98	86.55	92	79	87	9.1
Fluorene	62	1	0	50	42	135	43	45.85	0.00	40.67	42.60	92	81	85	4.6
Pentachlorophenol	75	1	0	100	38	132	37	96.09	0.00	82.54	90.59	96	83	91	9.3
Pyrene	82	1	0	50	45	167	53	45.96	0.00	42.97	42.75	92	86	86	0.51
Butylbenzylphthalate	88	1	0	50	45	157	40	45.09	0.00	41.77	42.51	90	84	85	1.8

Note:

Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4
Blank Summary

Blank Number: SMB4361
Blank Data File: 9M22220.D
Matrix: Soil

Blank Analysis Date: 12/18/09 10:20
Blank Extraction Date: 12/17/09
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC48751-024(MSD	9M22229.D	12/18/09 13:46
AC48751-024(MS)	9M22228.D	12/18/09 13:23
AC48751-024	9M22227.D	12/18/09 13:00
SMB4361(MS)	9M22221.D	12/18/09 10:43

FORM 4
Blank Summary

Blank Number: SMB4361
Blank Data File: 10M09121.D
Matrix: Soil

Blank Analysis Date: 12/18/09 13:00
Blank Extraction Date: 12/17/09
(If Applicable)
Method: EPA 8270C

Sample Number	Data File	Analysis Date
AC48886-001	10M09122.D	12/18/09 13:22
AC48886-002	10M09123.D	12/18/09 13:44

Form 5

Tune Name: CAL DFTPP **Data File:** 10M09012.D
Instrument: GCMS 10 **Analysis Date:** 12/14/09 11:03
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.287 to 9.298 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	30.6	16462	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.2	23257	PASS
70	69	0.00	2	0.6	138	PASS
127	198	40	60	46.1	24814	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	53832	PASS
199	198	5	9	6.9	3688	PASS
275	198	10	30	28.6	15411	PASS
365	198	1	100	3.7	1976	PASS
441	443	0.01	100	73.4	6775	PASS
442	198	40	100	86.8	46739	PASS
443	442	17	23	19.7	9225	PASS

Data File	Sample Number	Analysis Date:
10M09013.D	CAL BNA@196PP	12/14/09 11:27
10M09014.D	CAL BNA@160PP	12/14/09 11:49
10M09015.D	CAL BNA@120PP	12/14/09 12:11
10M09016.D	CAL BNA@80PPM	12/14/09 12:34
10M09017.D	CAL BNA@50PPM	12/14/09 12:56
10M09018.D	CAL BNA@20PPM	12/14/09 13:18
10M09019.D	CAL BNA@10PPM	12/14/09 13:40
10M09020.D	CAL BNA@2PPM	12/14/09 14:02
10M09021.D	ICV BNA@50PPM	12/14/09 14:51

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M22188.D
Analysis Date: 12/17/09 09:03
Method: EPA 8270C

Tune Scan/Time Range: Scan 1387

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.2	4103	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.3	4418	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.1	4904	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	10205	PASS
199	198	5	9	6.8	689	PASS
275	198	10	30	22.4	2289	PASS
365	198	1	100	3.9	394	PASS
441	443	0.01	100	71.4	1317	PASS
442	198	40	100	81.2	8282	PASS
443	442	17	23	22.3	1844	PASS

Data File	Sample Number	Analysis Date:
9M22189.D	CAL BNA@50PPM	12/17/09 10:22
9M22190.D	CAL BNA@196PP	12/17/09 10:45
9M22191.D	CAL BNA@160PP	12/17/09 11:08
9M22192.D	CAL BNA@120PP	12/17/09 11:31
9M22193.D	CAL BNA@80PPM	12/17/09 11:53
9M22194.D	CAL BNA@20PPM	12/17/09 12:16
9M22195.D	CAL BNA@10PPM	12/17/09 12:39
9M22196.D	CAL BNA@2PPM	12/17/09 13:02
9M22197.D	CAL BNA@10PPM	12/17/09 13:27
9M22198.D	ICV BNA@50PPM	12/17/09 13:50
9M22199.D	SMB4360	12/17/09 14:25
9M22200.D	WMB4352(MS)	12/17/09 14:47
9M22201.D	WMB4352	12/17/09 15:10
9M22202.D	AC48852-001(T)	12/17/09 15:33
9M22203.D	SMB4360(MS)	12/17/09 15:56
9M22204.D	AC48721-002	12/17/09 16:19
9M22205.D	AC48721-002(MS)	12/17/09 16:42
9M22206.D	AC48721-002(MSD	12/17/09 17:05
9M22207.D	AC48736-001	12/17/09 17:28
9M22208.D	AC48729-004	12/17/09 17:50
9M22209.D	AC48729-010	12/17/09 18:13
9M22210.D	AC48729-011	12/17/09 18:36
9M22211.D	AC48729-012	12/17/09 18:59
9M22212.D	AC48729-013	12/17/09 19:22
9M22213.D	AC48729-014	12/17/09 19:45
9M22214.D	AC48729-015	12/17/09 20:08
9M22215.D	AC48729-016	12/17/09 20:31
9M22216.D	AC48729-008	12/17/09 20:54

Form 5

Tune Name: CAL DFTPP **Data File:** 9M22217.D
Instrument: GCMS 9 **Analysis Date:** 12/18/09 09:06
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.855 to 9.866 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	51.5	8818	PASS
68	69	0.00	2	1.3	111	PASS
69	198	0.00	100	49.6	8500	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.8	10068	PASS
197	198	0.00	1	0.8	131	PASS
198	198	100	100	100.0	17135	PASS
199	198	5	9	6.6	1139	PASS
275	198	10	30	23.5	4024	PASS
365	198	1	100	2.4	415	PASS
441	443	0.01	100	66.9	1704	PASS
442	198	40	100	68.6	11752	PASS
443	442	17	23	21.7	2546	PASS

Data File	Sample Number	Analysis Date:
9M22218.D	CAL BNA@50PPM	12/18/09 09:32
9M22219.D	WMB4353	12/18/09 09:57
9M22220.D	SMB4361	12/18/09 10:20
9M22221.D	SMB4361(MS)	12/18/09 10:43
9M22222.D	AC48874-001	12/18/09 11:06
9M22223.D	AC48875-001	12/18/09 11:29
9M22224.D	AC48875-002	12/18/09 11:51
9M22225.D	AC48828-006	12/18/09 12:14
9M22226.D	AC48828-008	12/18/09 12:37
9M22227.D	AC48751-024	12/18/09 13:00
9M22228.D	AC48751-024(MS)	12/18/09 13:23
9M22229.D	AC48751-024(MSD	12/18/09 13:46
9M22230.D	WMB4354	12/18/09 14:09
9M22231.D	AC48828-008(10X)	12/18/09 14:32
9M22232.D	AC48751-027	12/18/09 14:55
9M22233.D	AC48751-038	12/18/09 15:17
9M22234.D	AC48770-001	12/18/09 15:40
9M22235.D	AC48770-002	12/18/09 16:03
9M22236.D	AC48917-004	12/18/09 16:26
9M22237.D	SMB4362(MS)	12/18/09 16:49
9M22238.D	SMB4362	12/18/09 17:12
9M22239.D	AC48917-002	12/18/09 17:34
9M22240.D	AC48760-003	12/18/09 17:57
9M22241.D	AC48760-003(MS)	12/18/09 18:20
9M22242.D	AC48760-003(MSD	12/18/09 18:43
9M22243.D	AC48760-004	12/18/09 19:06
9M22244.D	AC48917-010	12/18/09 19:29

Form 5

Tune Name: CAL DFTPP **Data File:** 10M09119.D
Instrument: GCMS 10 **Analysis Date:** 12/18/09 11:12
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.202 to 9.223 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.5	12111	PASS
68	69	0.00	2	0.8	138	PASS
69	198	0.00	100	48.4	17512	PASS
70	69	0.00	2	0.9	158	PASS
127	198	40	60	49.3	17851	PASS
197	198	0.00	1	0.1	48	PASS
198	198	100	100	100.0	36177	PASS
199	198	5	9	7.0	2531	PASS
275	198	10	30	29.7	10732	PASS
365	198	1	100	4.0	1456	PASS
441	443	0.01	100	87.3	5220	PASS
442	198	40	100	89.0	32205	PASS
443	442	17	23	18.6	5980	PASS

Data File	Sample Number	Analysis Date:
10M09120.D	CAL BNA@50PPM	12/18/09 12:39
10M09121.D	SMB4361	12/18/09 13:00
10M09122.D	AC48886-001	12/18/09 13:22
10M09123.D	AC48886-002	12/18/09 13:44
10M09124.D	AC48892-001(3X)	12/18/09 14:06
10M09125.D	AC48906-001(3X)	12/18/09 14:28
10M09126.D	AC48892-002(3X)	12/18/09 14:50
10M09127.D	AC48892-003(3X)	12/18/09 15:12
10M09128.D	AC48892-004(3X)	12/18/09 15:34
10M09129.D	AC48940-001(3X)	12/18/09 15:56
10M09130.D	AC48906-002(3X)	12/18/09 16:18
10M09131.D	AC48906-003(3X)	12/18/09 16:40
10M09132.D	AC48906-004(3X)	12/18/09 17:02
10M09133.D	AC48892-002(2X)	12/18/09 17:24
10M09134.D	AC48906-003(2X)	12/18/09 17:46
10M09135.D	AC48940-001(6X)	12/18/09 18:08
10M09136.D	SMB4362	12/18/09 18:30
10M09137.D	AC48917-006	12/18/09 18:52
10M09138.D	AC48917-008	12/18/09 19:14
10M09139.D	AC48745-005	12/18/09 19:36
10M09140.D	AC48745-003(10X)	12/18/09 19:58
10M09141.D	AC48745-002(10X)	12/18/09 20:20
10M09142.D	TEST	12/18/09 20:42
10M09143.D	TEST	12/18/09 21:04
10M09144.D	TEST	12/18/09 21:26

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M09017.D Method: EPA 8270C

Analysis Date/Time: 12/14/09 12:56

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	53848	5.23	204937	6.24	122303	7.59	213124	8.98	199730	11.98	218695	13.57
Eval File Area Limit:	26924-107696		102468-409874		61152-244606		106562-426248		99865-399460		109348-437390	
Eval File Rt Limit:	4.73-5.73		5.74-6.74		7.09-8.09		8.48-9.48		11.48-12.48		13.07-14.07	

Data File	Sample											
10M09013.	CAL BNA@1S	44242	5.23	167419	6.25	97562	7.59	174446	8.98	155754	11.99	165145	13.58
10M09014.	CAL BNA@1E	48532	5.23	185167	6.25	109660	7.59	188425	8.98	178432	11.99	186024	13.58
10M09015.	CAL BNA@12	37191	5.23	146815	6.24	89441	7.59	157288	8.98	153220	11.98	160180	13.57
10M09016.	CAL BNA@8C	33374	5.23	128782	6.24	76591	7.59	133139	8.98	127264	11.98	137842	13.57
10M09017.	CAL BNA@5C	53848	5.23	204937	6.24	122303	7.59	213124	8.98	199730	11.98	218695	13.57
10M09018.	CAL BNA@2C	46625	5.23	181593	6.24	109816	7.59	192422	8.98	183474	11.98	198293	13.57
10M09019.	CAL BNA@1C	45170	5.23	179177	6.24	108883	7.59	191082	8.98	182362	11.98	201649	13.57
10M09020.	CAL BNA@2F	46200	5.23	176085	6.24	107772	7.59	191632	8.98	182995	11.98	200686	13.57
10M09021.	ICV BNA@50	43027	5.23	164608	6.24	100110	7.59	176428	8.98	169289	11.98	177461	13.57

I1 =	1,4-Dichlorobenzene-d4	**I4 =**	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	**I5 =**	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	**I6 =**	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M22189.D Method: EPA 8270C

Analysis Date/Time: 12/17/09 10:22

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	34786	5.68	141169	6.69	79115	8.11	129086	9.56	104227	12.61	106340	14.22
Eval File Area Limit:	17393-69572		70584-282338		39558-158230		64543-258172		52114-208454		53170-212680	
Eval File Rt Limit:	5.18-6.18		6.19-7.19		7.61-8.61		9.06-10.06		12.11-13.11		13.72-14.72	

Data File	Sample											
9M22189.D	CAL BNA@5C	34786	5.68	141169	6.69	79115	8.11	129086	9.56	104227	12.61	106340	14.22
9M22190.D	CAL BNA@1S	34035	5.68	132938	6.69	77058	8.11	125385	9.56	95062	12.62	93935	14.22
9M22191.D	CAL BNA@1E	33661	5.68	135402	6.69	74631	8.11	125202	9.56	97876	12.62	98607	14.22
9M22192.D	CAL BNA@12	32144	5.68	127007	6.69	69763	8.11	115817	9.56	94248	12.62	97952	14.22
9M22193.D	CAL BNA@8C	36223	5.68	140932	6.69	76377	8.11	125915	9.56	102927	12.61	105894	14.22
9M22194.D	CAL BNA@2C	35734	5.68	148047	6.69	82508	8.10	133456	9.56	110918	12.60	112776	14.21
9M22196.D	CAL BNA@2F	33445	5.68	136210	6.69	77590	8.10	131873	9.56	110296	12.60	115041	14.21
9M22197.D	CAL BNA@1C	36721	5.68	150571	6.69	84174	8.10	138312	9.56	113375	12.60	113595	14.21
9M22198.D	ICV BNA@50	36800	5.68	146027	6.69	80022	8.10	133899	9.56	110587	12.61	112193	14.21
9M22199.D	SMB4360	37683	5.68	146103	6.69	80843	8.10	130196	9.56	100188	12.60	102859	14.22
9M22200.D	WMB4352(MS	39925	5.68	156384	6.69	84670	8.10	140418	9.56	113564	12.62	112429	14.22
9M22201.D	WMB4352	36276	5.68	140266	6.69	78509	8.10	127506	9.56	105634	12.60	112967	14.21
9M22202.D	AC48852-001(	40925	5.68	163392	6.69	90599	8.10	142198	9.56	100718	12.61	101132	14.22
9M22203.D	SMB4360(MS,	39601	5.68	157960	6.69	85257	8.10	132925	9.56	92978	12.60	90702	14.21
9M22204.D	AC48721-002	37835	5.68	141938	6.69	80900	8.11	124867	9.56	98639	12.60	94439	14.21
9M22205.D	AC48721-002(	38305	5.68	159940	6.69	95801	8.11	154155	9.56	131425	12.61	122315	14.21
9M22206.D	AC48721-002(	38393	5.68	154327	6.69	88821	8.11	147335	9.57	118114	12.60	114344	14.21
9M22207.D	AC48736-001	37478	5.68	155095	6.69	86864	8.10	140904	9.56	105084	12.60	98713	14.21
9M22208.D	AC48729-004	44008	5.68	176730	6.69	98462	8.10	153504	9.56	116197	12.60	113290	14.21
9M22209.D	AC48729-010	44043	5.68	174781	6.69	98244	8.10	154669	9.56	109642	12.60	106091	14.21
9M22210.D	AC48729-011	44733	5.68	184002	6.69	97811	8.10	154982	9.56	110703	12.60	109369	14.21
9M22211.D	AC48729-012	45371	5.68	184219	6.69	101356	8.10	152116	9.56	107472	12.60	106179	14.21
9M22212.D	AC48729-013	40523	5.68	159631	6.69	85754	8.10	133759	9.56	97107	12.60	95591	14.21
9M22213.D	AC48729-014	40747	5.68	157750	6.69	85796	8.10	137822	9.56	101083	12.60	98938	14.21
9M22214.D	AC48729-015	38198	5.68	150529	6.69	82396	8.10	137225	9.56	99370	12.60	94759	14.21
9M22215.D	AC48729-016	40197	5.68	153579	6.69	84017	8.10	139527	9.56	100184	12.60	97699	14.21
9M22216.D	AC48729-008	40025	5.68	165584	6.69	91122	8.10	147739	9.56	108749	12.60	106880	14.21

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 10M09120.D Method: EPA 8270C

Analysis Date/Time: 12/18/09 12:39

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	58049	5.08	230862	6.11	147759	7.44	263155	8.81	268580	11.80	287317	13.38
Eval File Area Limit:	29024-116098		115431-461724		73880-295518		131578-526310		134290-537160		143658-574634	
Eval File Rt Limit:	4.58-5.58		5.61-6.61		6.94-7.94		8.31-9.31		11.3-12.3		12.88-13.88	

Data File	Sample												
10M09121.	SMB4361	48754	5.08	189189	6.10	114846	7.43	213021	8.81	214304	11.79	240869	13.38
10M09122.	AC48886-001	51608	5.08	202551	6.11	126517	7.43	232911	8.81	229357	11.80	233352	13.38
10M09123.	AC48886-002	53883	5.08	215691	6.11	136460	7.43	245204	8.81	225178	11.80	214579	13.38
10M09124.	AC48892-001(	59592	5.08	243541	6.10	151740	7.43	267706	8.81	205619	11.80	218795	13.39
10M09125.	AC48906-001i	56358	5.08	228406	6.11	145759	7.43	256309	8.81	196477	11.80	209436	13.38
10M09126.	AC48892-002(	54623	5.08	204604	6.11	120858	7.43	200770	8.81	179311	11.79	202859	13.38
10M09127.	AC48892-003(	61712	5.08	240888	6.10	147758	7.43	243769	8.81	180116	11.80	207758	13.38
10M09128.	AC48892-004(	57442	5.08	224585	6.10	138711	7.44	214720	8.81	176643	11.80	211310	13.40
10M09129.	AC48940-001(	56712	5.08	211836	6.11	127628	7.44	205156	8.81	180841	11.80	210929	13.39
10M09130.	AC48906-002(	56768	5.08	213833	6.10	121861	7.44	196102	8.81	173752	11.80	208122	13.39
10M09131.	AC48906-003(	59353	5.08	236200	6.10	146219	7.44	238236	8.81	178305	11.80	202561	13.38
10M09132.	AC48906-004(	59625	5.08	234065	6.10	141040	7.44	227101	8.81	175194	11.80	205550	13.38
10M09133.	AC48892-002(	56387	5.08	215403	6.11	124157	7.43	209280	8.81	182461	11.80	212042	13.38
10M09134.	AC48906-003(	61131	5.08	241059	6.10	148366	7.44	242914	8.81	185527	11.80	217687	13.38
10M09135.	AC48940-001(	61381	5.08	226948	6.11	129871	7.44	212218	8.81	191213	11.80	219333	13.38
10M09136.	SMB4362	70269	5.08	273836	6.11	167153	7.43	274866	8.81	205528	11.79	232829	13.38
10M09137.	AC48917-006	67719	5.09	197803	6.11	2085	7.44	123293	8.81	49584	11.80	0	0.00 R
10M09138.	AC48917-008	66908	5.09	247207	6.11	5236	7.44	224288	8.81	83434	11.82	0	0.00 R
10M09139.	AC48745-005	53148	5.09	231614	6.11	38464	7.44	284861	8.82	188526	11.84	7570	13.47
10M09140.	AC48745-003(	60926	5.09	245301	6.11	157327	7.44	289385	8.82	228109	11.83	0	0.00 R
10M09141.	AC48745-002(	69909	5.09	276087	6.11	91266	7.44	270315	8.82	188490	11.83	0	0.00 R
10M09142.	TEST	49402	5.09	206991	6.11	131085	7.44	234386	8.82	176674	11.82	185380	13.42
10M09143.	TEST	52914	5.09	205605	6.12	122141	7.44	197825	8.82	168552	11.82	183487	13.42
10M09144.	TEST	54532	5.09	218645	6.11	134438	7.44	229682	8.82	168222	11.82	181326	13.42

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 9M22218.D Method: EPA 8270C

Analysis Date/Time: 12/18/09 09:32

Lab File ID: CAL BNA@50PPM

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	38251	5.68	152474	6.69	85630	8.10	139343	9.56	107528	12.61	108198	14.22
Eval File Area Limit:	19126-76502		76237-304948		42815-171260		69672-278686		53764-215056		54099-216396	
Eval File Rt Limit:	5.18-6.18		6.19-7.19		7.6-8.6		9.06-10.06		12.11-13.11		13.72-14.72	

Data File	Sample												
9M22219.D	WMB4353	40097	5.68	169017	6.69	95778	8.10	154607	9.56	124845	12.60	129010	14.21
9M22220.D	SMB4361	40847	5.68	164090	6.69	87890	8.10	140908	9.55	100694	12.60	98638	14.21
9M22221.D	SMB4361(MS.	39265	5.68	153332	6.69	82863	8.10	135025	9.55	106536	12.60	103290	14.21
9M22225.D	AC48828-006	36853	5.68	139189	6.69	78947	8.11	124072	9.56	97200	12.60	102494	14.21
9M22226.D	AC48828-008	37847	5.68	129043	6.69	82450	8.12	118185	9.58	101669	12.61	106987	14.21
9M22227.D	AC48751-024	48163	5.68	187414	6.68	103142	8.10	160043	9.55	117891	12.60	114264	14.21
9M22228.D	AC48751-024(	41854	5.68	161809	6.69	86468	8.10	133947	9.55	97928	12.60	95965	14.21
9M22229.D	AC48751-024(	41291	5.68	167217	6.69	90087	8.10	146299	9.55	109179	12.60	107808	14.21
9M22230.D	WMB4354	42777	5.68	169239	6.68	96114	8.10	154735	9.55	120629	12.60	122015	14.21
9M22231.D	AC48828-008(	43892	5.68	163601	6.69	92185	8.10	145328	9.56	121366	12.60	121318	14.21
9M22232.D	AC48751-027	40285	5.68	159235	6.68	87924	8.10	138720	9.55	98747	12.60	93472	14.21
9M22233.D	AC48751-038	42121	5.68	163086	6.68	87052	8.10	135908	9.55	97918	12.60	93195	14.21
9M22234.D	AC48770-001	39268	5.68	159955	6.68	88893	8.10	137627	9.55	97181	12.60	93113	14.21
9M22235.D	AC48770-002	39197	5.68	153346	6.68	84619	8.10	130902	9.55	89875	12.60	87168	14.21
9M22236.D	AC48917-004	43026	5.68	172511	6.68	93481	8.10	144035	9.55	100654	12.60	99042	14.21
9M22237.D	SMB4362(MS.	51893	5.68	201587	6.69	108013	8.10	168987	9.55	115425	12.60	110156	14.21
9M22238.D	SMB4362	56192	5.68	223122	6.68	119765	8.10	183487	9.55	121304	12.60	114033	14.21
9M22239.D	AC48917-002	40205	5.68	155809	6.68	84356	8.10	127755	9.55	93235	12.60	89351	14.21
9M22240.D	AC48760-003	48473	5.68	185891	6.69	86438	8.10	121391	9.57	92835	12.65	80042	14.29
9M22241.D	AC48760-003(	59570	5.68	208066	6.69	102690	8.11	138498	9.57	110498	12.65	99746	14.29
9M22242.D	AC48760-003(	59394	5.68	217919	6.69	111703	8.11	164990	9.57	119914	12.65	111951	14.28
9M22243.D	AC48760-004	53459	5.68	194440	6.69	10993	8.10	144893	9.56	62815	12.61	0	0.00 R
9M22244.D	AC48917-010	52414	5.68	205677	6.69	113972	8.10	179398	9.56	118208	12.61	7531	14.22

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	**625/8270 Internal Standard concentration = 40 mg/L (in final extract)**
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	**624/8260 Internal Standard concentration = 30ug/L**
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	**524 Internal Standard concentration =5ug/L**

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

GC/MS Semi-Volatile Data
Sample Data

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC48886-001
Client Id: PI-01-TP-RAM1-121109SS
Data File: 10M09122.D
Analysis Date: 12/18/09 13:22
Date Rec/Extracted: 12/14/09-12/17/09
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 58

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.11	U	207-08-9	Benzo[k]fluoranthene	0.11	U
122-66-7	1,2-Diphenylhydrazine	0.11	U	95-95-4	2,4,5-Trichlorophenol	0.11	U
100-51-6	Benzyl alcohol	0.11	U	88-06-2	2,4,6-Trichlorophenol	0.11	U
111-91-1	bis(2-Chloroethoxy)methan	0.11	U	120-83-2	2,4-Dichlorophenol	0.11	U
111-44-4	bis(2-Chloroethyl)ether	0.11	U	105-67-9	2,4-Dimethylphenol	0.11	U
108-60-1	bis(2-chloroisopropyl)ether	0.11	U	51-28-5	2,4-Dinitrophenol	0.57	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.11	U	121-14-2	2,4-Dinitrotoluene	0.11	U
85-68-7	Butylbenzylphthalate	0.11	U	606-20-2	2,6-Dinitrotoluene	0.11	U
86-74-8	Carbazole	0.11	U	91-58-7	2-Chloronaphthalene	0.11	U
218-01-9	**Chrysene**	**0.11**	**0.13**	95-57-8	2-Chlorophenol	0.11	U
53-70-3	Dibenzo[a,h]anthracene	0.11	U	**91-57-6**	**2-Methylnaphthalene**	**0.11**	**0.34**
132-64-9	Dibenzofuran	0.11	U	95-48-7	2-Methylphenol	0.11	U
84-66-2	Diethylphthalate	0.11	U	88-74-4	2-Nitroaniline	0.11	U
131-11-3	Dimethylphthalate	0.11	U	88-75-5	2-Nitrophenol	0.11	U
84-74-2	Di-n-butylphthalate	0.11	U	106-44-5	3&4-Methylphenol	0.11	U
117-84-0	Di-n-octylphthalate	0.11	U	91-94-1	3,3'-Dichlorobenzidine	0.11	U
206-44-0	Fluoranthene	0.11	U	99-09-2	3-Nitroaniline	0.11	U
86-73-7	Fluorene	0.11	U	534-52-1	4,6-Dinitro-2-methylphenol	0.57	U
118-74-1	Hexachlorobenzene	0.11	U	101-55-3	4-Bromophenyl-phenylether	0.11	U
87-68-3	Hexachlorobutadiene	0.11	U	59-50-7	4-Chloro-3-methylphenol	0.11	U
77-47-4	Hexachlorocyclopentadiene	0.57	U	106-47-8	4-Chloroaniline	0.11	U
67-72-1	Hexachloroethane	0.11	U	7005-72-3	4-Chlorophenyl-phenylether	0.11	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.11	U	100-01-6	4-Nitroaniline	0.11	U
78-59-1	Isophorone	0.11	U	100-02-7	4-Nitrophenol	0.11	U
91-20-3	**Naphthalene**	**0.11**	**0.16**	83-32-9	Acenaphthene	0.11	U
98-95-3	Nitrobenzene	0.11	U	208-96-8	Acenaphthylene	0.11	U
62-75-9	N-Nitrosodimethylamine	0.11	U	621-64-7	N-Nitroso-di-n-propylamine	0.11	U
120-12-7	Anthracene	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.11	U
92-87-5	Benzidine	0.57	U	87-86-5	Pentachlorophenol	0.57	U
56-55-3	Benzo[a]anthracene	0.11	U	**85-01-8**	**Phenanthrene**	**0.11**	**0.43**
50-32-8	Benzo[a]pyrene	0.11	U	108-95-2	Phenol	0.11	U
205-99-2	Benzo[b]fluoranthene	0.11	U	**129-00-0**	**Pyrene**	**0.11**	**0.33**
191-24-2	Benzo[g,h,i]perylene	0.11	U				

Worksheet #: 138525

Total Target Concentration 1.4

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC48886-001
Client Id: PI-01-TP-RAM1-121109
Data File: 10M09122.D
Analysis Date: 12/18/09 13:22
Date Rec/Extracted: 12/14/09-12/17/09

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 58
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.44	150 JAB
2	111-76-2	Ethanol, 2-butoxy-	4.13	0.33 J
3	95-63-6	Benzene, 1,2,4-trimethyl-	4.93	0.37 JB
4	581-42-0	Naphthalene, 2,6-dimethyl-	7.11	0.46 J
5	571-61-9	Naphthalene, 1,5-dimethyl-	7.16	0.37 J
6	629-62-9	Pentadecane	7.39	0.62 J
7	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.61	0.33 J
8	629-78-7	Heptadecane	8.27	0.62 J
9	1430-97-3	9H-Fluorene, 2-methyl-	8.45	0.34 J
10	832-64-4	Phenanthrene, 4-methyl-	9.34	0.43 J
11	779-02-2	Anthracene, 9-methyl-	9.37	0.33 J
12	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.87	0.67 J
13	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.95	0.51 J
14	3674-66-6	Phenanthrene, 2,5-dimethyl-	9.98	0.51 J
15	544-76-3	Hexadecane	10.07	0.53 J
16	593-45-3	Octadecane	10.51	0.37 J
17	593-45-3	Octadecane	10.94	0.38 J
18		unknown	11.08	0.35 J
19		unknown	11.62	0.34 J
20	112-95-8	Eicosane	11.74	0.66 J
21		unknown	12.25	0.43 J
22		unknown	12.86	0.34 J
23	15737-15-2	Cholesta-8,24-dien-3.beta.-ol, 4.beta.-m	13.76	0.50 J
24		unknown	14.67	0.69 J
25		unknown	14.80	0.46 J

Worksheet #: 138525

Total Tentatively Identified Concentration 160

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

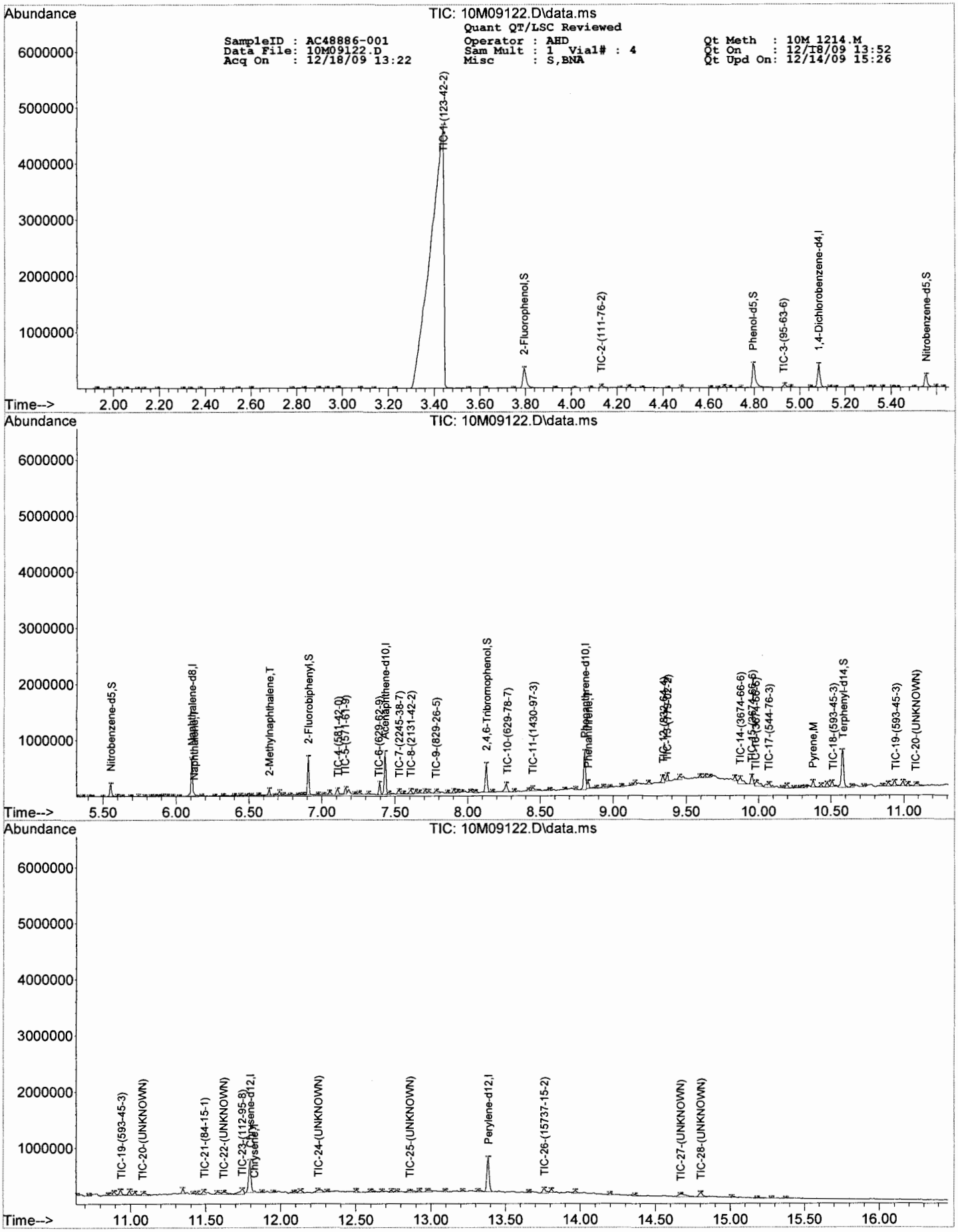
Quantitation Report (QT/LSC Reviewed)

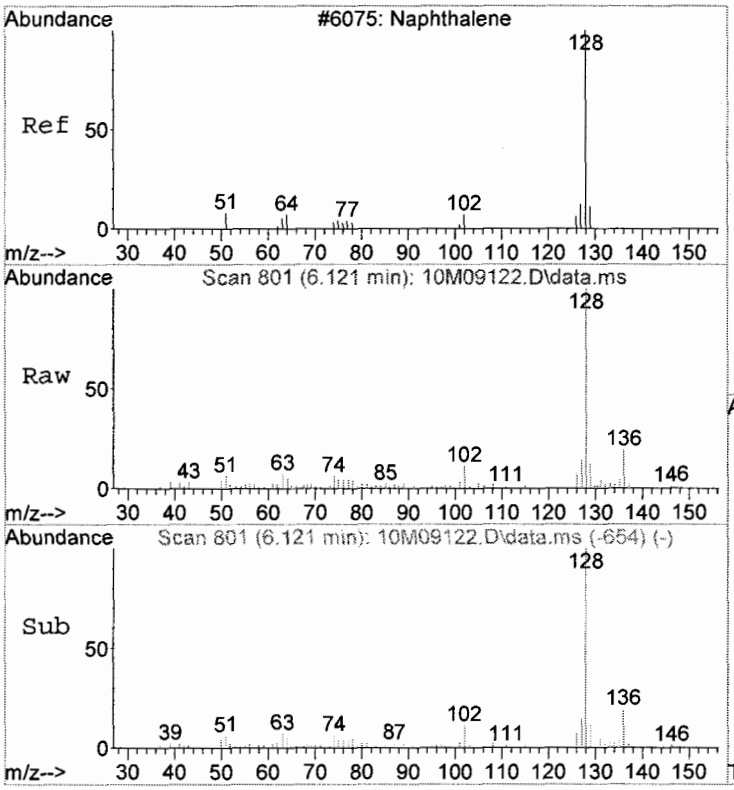
SampleID : AC48886-001 Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09122.D Sam Mult : 1 Vial# : 4 Qt On : 12/18/09 13:52
Acq On : 12/18/09 13:22 Misc : S,BNA Qt Upd On: 12/14/09 15:26

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.084	152	51608	40.00	ng	-0.14
23) Naphthalene-d8	6.105	136	202551	40.00	ng	-0.14
41) Acenaphthene-d10	7.432	164	126517	40.00	ng	-0.16
67) Phenanthrene-d10	8.806	188	232911	40.00	ng	-0.17
81) Chrysene-d12	11.796	240	229357	40.00	ng	-0.19
96) Perylene-d12	13.385	264	233352	40.00	ng	-0.19
System Monitoring Compounds						
4) 2-Fluorophenol	3.795	112	106502	74.16	ng	-0.18
Spiked Amount 100.000			Recovery = 74.16%			
9) Phenol-d5	4.795	99	146124	70.15	ng	-0.14
Spiked Amount 100.000			Recovery = 70.15%			
24) Nitrobenzene-d5	5.554	128	27640	32.97	ng	-0.14
Spiked Amount 50.000			Recovery = 65.94%			
46) 2-Fluorobiphenyl	6.907	172	147428	33.84	ng	-0.14
Spiked Amount 50.000			Recovery = 67.68%			
70) 2,4,6-Tribromophenol	8.127	330	50073	74.18	ng	-0.17
Spiked Amount 100.000			Recovery = 74.18%			
84) Terphenyl-d14	10.582	244	232267	35.81	ng	-0.18
Spiked Amount 50.000			Recovery = 71.62%			
Target Compounds						Qvalue
33) Naphthalene	6.121	128	15476	2.82	ng	95
38) 2-Methylnaphthalene	6.640	142	22373	5.85	ng	95
76) Phenanthrene	8.828	178	52753	7.43	ng	97
82) Pyrene	10.373	202	50947	5.82	ng	84
94) Chrysene	11.823	228	17478	2.19	ng	80
Library Search Compounds						
1) 123-42-2	3.440		18719000	2526.80	ng	47
2) 111-76-2	4.130		42869	5.79	ng	83
3) 95-63-6	4.930		48314	6.52	ng	94
4) 581-42-0	7.110		115334	8.03	ng	97
5) 571-61-9	7.160		91499	6.37	ng	97
6) 629-62-9	7.390		155361	10.82	ng	97
7) 2245-38-7	7.530		77165	5.38	ng	91
8) 2131-42-2	7.610		82973	5.78	ng	96
9) 829-26-5	7.780		80200	5.59	ng	94
10) 629-78-7	8.270		202738	10.75	ng	91
11) 1430-97-3	8.450		112644	5.97	ng	60
12) 832-64-4	9.340		140863	7.47	ng	74
13) 779-02-2	9.370		109241	5.79	ng	83
14) 3674-66-6	9.870		221005	11.72	ng	93
15) 3674-66-6	9.950		167260	8.87	ng	93
16) 3674-66-6	9.980		167317	8.87	ng	90
17) 544-76-3	10.070		172809	9.16	ng	96
18) 593-45-3	10.510		106487	6.42	ng	89
19) 593-45-3	10.940		110130	6.64	ng	91
20) UNKNOWN	11.080		99988	6.03	ng	--
21) 84-15-1	11.490		89378	5.39	ng	83
22) UNKNOWN	11.620		98565	5.94	ng	--
23) 112-95-8	11.740		191162	11.52	ng	87
24) UNKNOWN	12.250		124807	7.52	ng	--
25) UNKNOWN	12.860		95507	5.86	ng	--
26) 15737-15-2	13.760		143084	8.78	ng	64
27) UNKNOWN	14.670		195910	12.02	ng	--
28) UNKNOWN	14.800		129316	7.93	ng	--

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

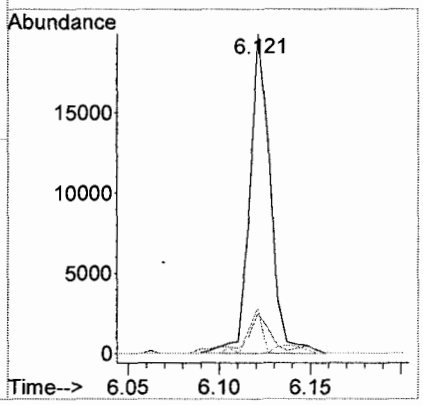

Abundance
TIC: 10M09122.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC48886-001
Data File: 10M09122.D
Acq On : 12/18/09 13:22
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : S,BNA
Qt Meth : 10M_1214.M
Qt On : 12/18/09 13:52
Qt Upd On: 12/14/09 15:26
TIC-1-(123-42-2)
2-Fluorophenol,S
TIC-2-(111-76-2)
Phenol-d5,S
TIC-3-(95-63-6)
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Time-->
Abundance
TIC: 10M09122.D\data.ms
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Methylnaphthalene,T
2-Fluorobiphenyl,S
Acenaphthene-d10,I
TIC-7-(2245-38-7)
TIC-8-(2131-42-2)
TIC-9-(829-26-5)
2,4,6-Tribromophenol,S
TIC-10-(629-78-7)
TIC-11-(1430-97-3)
Phenanthrene-d10,I
TIC-14-(3674-66-6)
TIC-17-(544-76-3)
Pyrene,M
TIC-18-(593-45-3)
Terphenyl-d14,S
TIC-19-(593-45-3)
TIC-20-(UNKNOWN)
Time-->
Abundance
TIC: 10M09122.D\data.ms
TIC-19-(593-45-3)
TIC-20-(UNKNOWN)
TIC-21-(84-15-1)
TIC-22-(UNKNOWN)
TIC-23-(112-95-8)
Chrysene-d12,I
TIC-24-(UNKNOWN)
TIC-25-(UNKNOWN)
Perylene-d12,I
TIC-26-(15737-15-2)
TIC-27-(UNKNOWN)
TIC-28-(UNKNOWN)
Time-->

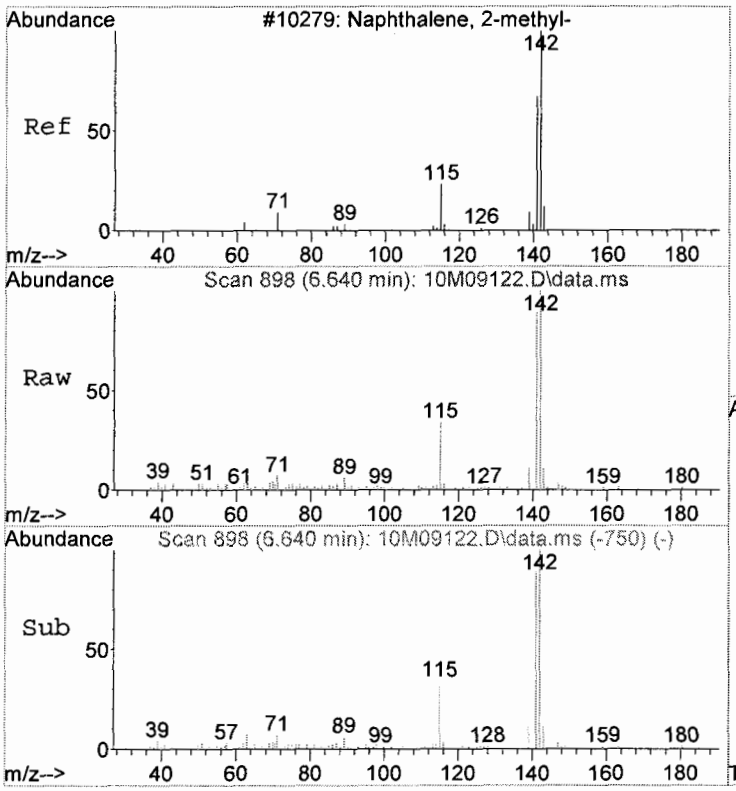


#33
Naphthalene
Concen: 2.82 ng
RT: 6.121 min Scan# 801
Delta R.T. -0.139 min
Lab File: 10M09122.D
Acq: 18 Dec 2009 13:22

Tgt Ion:128 Resp: 15476

Ion	Ratio	Lower	Upper
128	100		
129	12.4	0.0	50.9
127	14.3	0.0	52.4

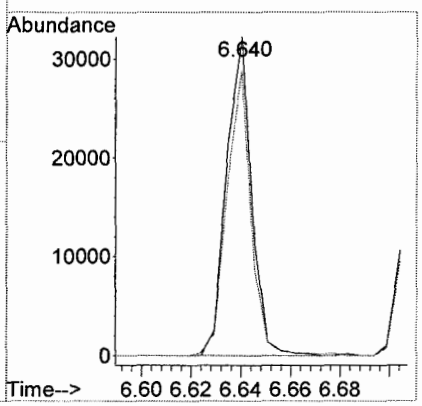


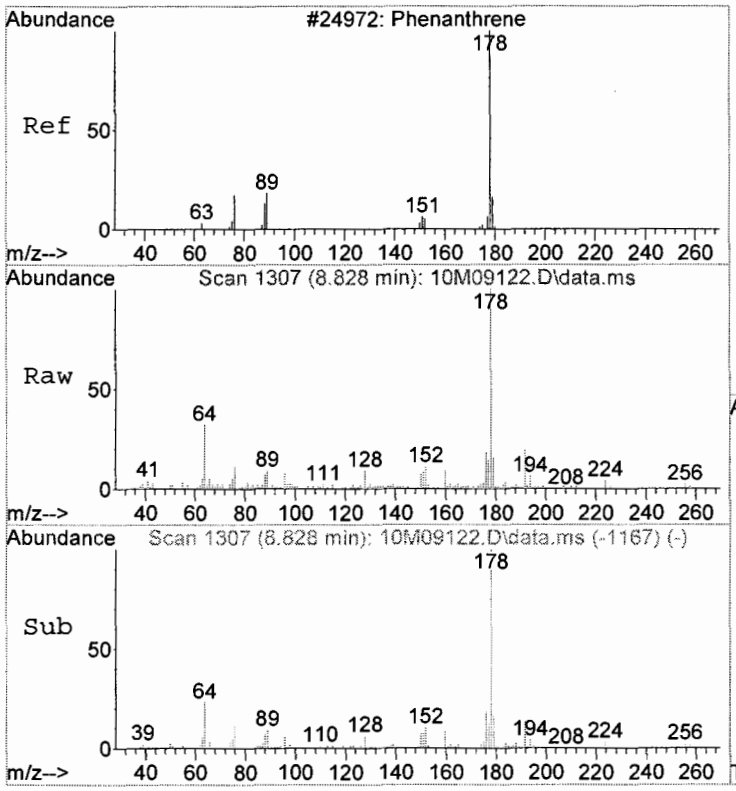


#38
2-Methylnaphthalene
Concen: 5.85 ng
RT: 6.640 min Scan# 898
Delta R.T. -0.134 min
Lab File: 10M09122.D
Acq: 18 Dec 2009 13:22

Tgt Ion:142 Resp: 22373

Ion	Ratio	Lower	Upper
142	100		
141	89.4	44.6	124.6

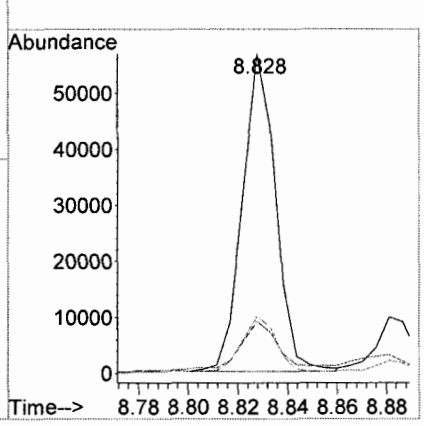


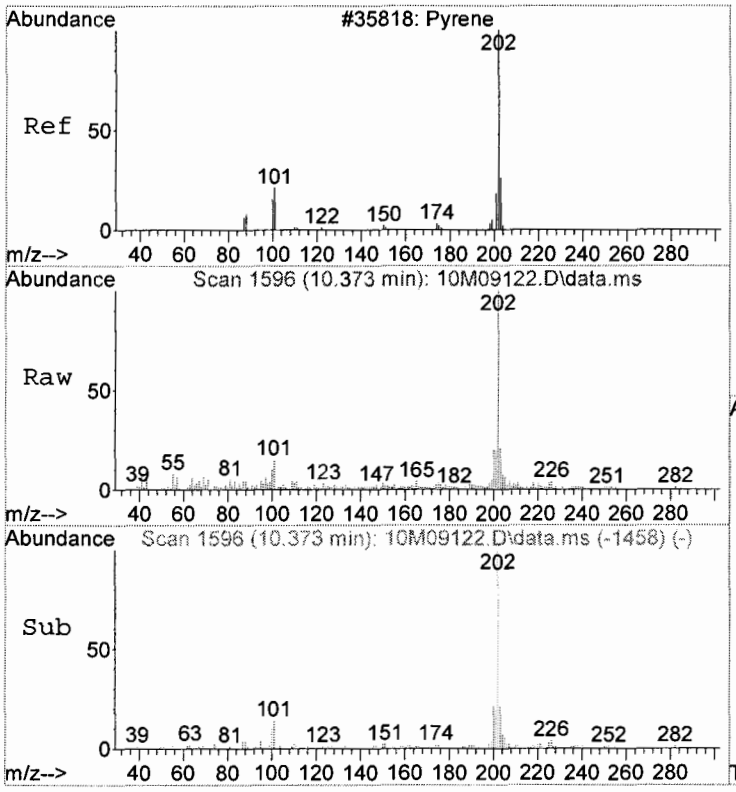


#76
Phenanthrene
Concen: 7.43 ng
RT: 8.828 min Scan# 1307
Delta R.T. -0.176 min
Lab File: 10M09122.D
Acq: 18 Dec 2009 13:22

Tgt Ion:178 Resp: 52753

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	55.5
176	17.5	0.0	59.3

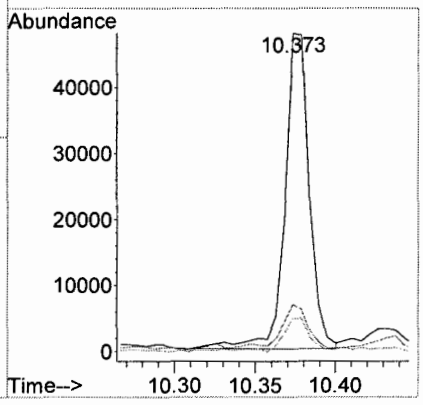


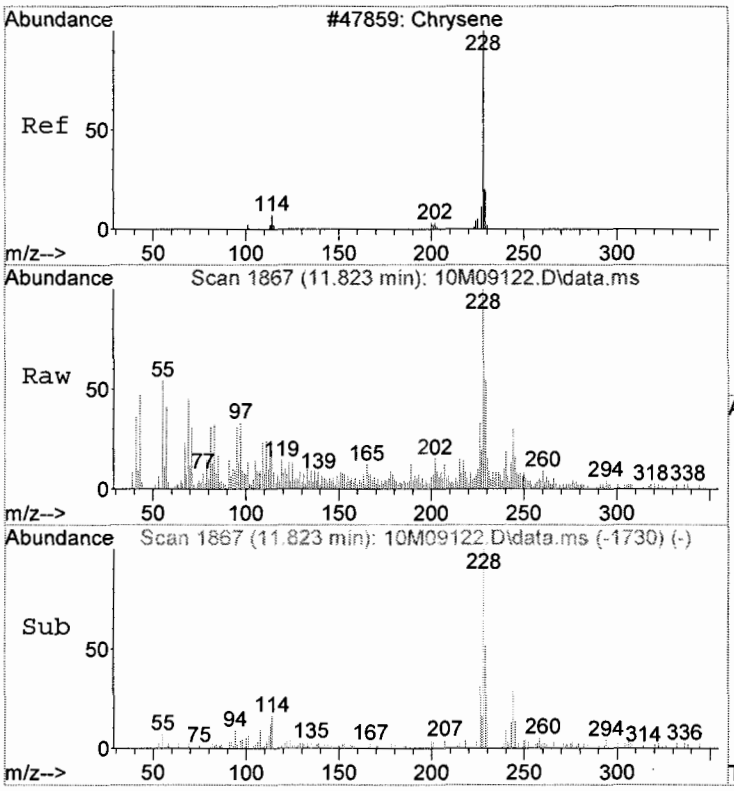


#82
Pyrene
Concen: 5.82 ng
RT: 10.373 min Scan# 1596
Delta R.T. -0.187 min
Lab File: 10M09122.D
Acq: 18 Dec 2009 13:22

Tgt Ion:202 Resp: 50947

Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	62.2
100	9.9	0.0	57.8

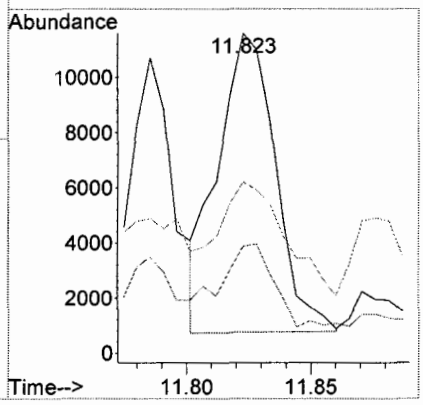




#94
Chrysene
Concen: 2.19 ng
RT: 11.823 min Scan# 1867
Delta R.T. -0.192 min
Lab File: 10M09122.D
Acq: 18 Dec 2009 13:22

Tgt Ion:228 Resp: 17478

Ion	Ratio	Lower	Upper
228	100		
226	26.1	9.5	49.5
229	38.5	0.0	60.2



LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

Signal : TIC: 10M09122.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.928	11	17	25	rBV2	5188	12164	0.06%	0.038%
2	1.981	25	27	33	rVB3	2077	3537	0.02%	0.011%
3	2.024	33	35	37	rBV2	812	540	0.00%	0.002%
4	2.056	37	41	47	rVB4	919	1561	0.01%	0.005%
5	2.104	47	50	53	rBV3	765	838	0.00%	0.003%
6	2.131	53	55	61	rVB2	1284	1783	0.01%	0.006%
7	2.190	61	66	79	rVB4	1574	4014	0.02%	0.012%
8	2.302	79	87	89	rBV4	1188	1583	0.01%	0.005%
9	2.334	89	93	95	rBV4	1523	1773	0.01%	0.005%
10	2.377	95	101	105	rVB3	696	1193	0.01%	0.004%
11	2.473	117	119	121	rBV3	827	614	0.00%	0.002%
12	2.543	121	132	133	rBV3	1033	1928	0.01%	0.006%
13	2.602	133	143	151	rBV4	4219	8430	0.05%	0.026%
14	2.778	167	176	179	rBV2	677	1501	0.01%	0.005%
15	2.832	185	186	195	rVB2	886	1526	0.01%	0.005%
16	2.896	195	198	203	rVB2	706	1053	0.01%	0.003%
17	2.933	203	205	207	rVB	597	512	0.00%	0.002%
18	2.982	211	214	225	rBV5	4153	11648	0.06%	0.036%
19	3.078	229	232	235	rBV	593	914	0.00%	0.003%
20	3.137	241	243	255	rVB3	940	2139	0.01%	0.007%
21	3.228	255	260	265	rBV3	1348	2266	0.01%	0.007%
22	3.442	271	300	303	rBV	4681783	18718987	100.00%	57.891%
23	3.549	317	320	331	rVB3	1736	2853	0.02%	0.009%
24	3.623	331	334	343	rVB	1607	1942	0.01%	0.006%
25	3.746	353	357	363	rBV	2403	3928	0.02%	0.012%
26	3.795	363	366	387	rVV	355517	368799	1.97%	1.141%
27	3.928	387	391	397	rVV	2743	2912	0.02%	0.009%
28	4.014	401	407	415	rVB2	2383	3183	0.02%	0.010%
29	4.083	415	420	425	rBV2	1525	1983	0.01%	0.006%
30	4.132	425	429	443	rBV	41334	42869	0.23%	0.133%
31	4.212	443	444	449	rVV	1118	952	0.01%	0.003%
32	4.249	449	451	459	rVV	25117	29905	0.16%	0.092%
33	4.308	459	462	471	rVB4	2790	4221	0.02%	0.013%
34	4.420	477	483	487	rBV2	2634	3984	0.02%	0.012%
35	4.479	489	494	513	rVB	24356	23568	0.13%	0.073%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

36	4.608	513	518	521	rBV	8669	8142	0.04%	0.025%
37	4.640	521	524	525	rVV2	1080	863	0.00%	0.003%
38	4.666	525	529	533	rVV	31468	31691	0.17%	0.098%
39	4.693	533	534	539	rVB	13594	11015	0.06%	0.034%
40	4.741	539	543	547	rBV2	16839	14353	0.08%	0.044%
41	4.795	549	553	575	rVV	428455	424993	2.27%	1.314%
42	4.934	575	579	583	rVV	54027	48314	0.26%	0.149%
43	4.961	583	584	595	rVB2	20601	16464	0.09%	0.051%
44	5.046	595	600	603	rBV2	14136	15882	0.08%	0.049%
45	5.084	603	607	611	rVV	410148	301832	1.61%	0.933%
46	5.132	611	616	619	rVV2	9207	11927	0.06%	0.037%
47	5.158	619	621	627	rVB3	3222	4991	0.03%	0.015%
48	5.228	627	634	639	rVB6	6347	11545	0.06%	0.036%
49	5.303	639	648	649	rBV4	4465	4196	0.02%	0.013%
50	5.324	649	652	657	rVB3	4020	3320	0.02%	0.010%
51	5.362	657	659	661	rBV2	8412	5964	0.03%	0.018%
52	5.405	661	667	669	rVB2	2889	3964	0.02%	0.012%
53	5.426	669	671	679	rVB4	2971	4922	0.03%	0.015%
54	5.501	679	685	689	rBV4	2726	6132	0.03%	0.019%
55	5.554	689	695	699	rBV	217306	184005	0.98%	0.569%
56	5.597	701	703	707	rVB2	14048	9824	0.05%	0.030%
57	5.629	707	709	711	rBV3	2447	1318	0.01%	0.004%
58	5.688	717	720	725	rBV4	3620	3769	0.02%	0.012%
59	5.741	725	730	735	rVB2	13910	12355	0.07%	0.038%
60	5.784	735	738	741	rVB3	3726	3433	0.02%	0.011%
61	5.827	741	746	749	rBV4	8380	11296	0.06%	0.035%
62	5.859	749	752	755	rBV3	6249	4237	0.02%	0.013%
63	5.886	755	757	759	rVB3	2698	1537	0.01%	0.005%
64	5.913	759	762	765	rBV3	13049	11075	0.06%	0.034%
65	5.939	765	767	771	rVB4	8355	7665	0.04%	0.024%
66	5.977	771	774	779	rBV5	5544	7379	0.04%	0.023%
67	6.020	779	782	787	rBV2	2183	2407	0.01%	0.007%
68	6.105	787	798	803	rBV	669012	510099	2.73%	1.578%
69	6.175	809	811	819	rVB4	11263	16878	0.09%	0.052%
70	6.266	819	828	831	rBV7	7772	17297	0.09%	0.053%
71	6.324	831	839	847	rBV8	12366	30754	0.16%	0.095%
72	6.399	847	853	857	rBV5	11232	19267	0.10%	0.060%
73	6.442	857	861	867	rVB5	13599	19107	0.10%	0.059%
74	6.485	867	869	871	rBV3	7092	6045	0.03%	0.019%
75	6.517	871	875	879	rVB5	11656	10109	0.05%	0.031%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

76	6.565	879	884	893	rBV6	18234	33631	0.18%	0.104%
77	6.640	893	898	903	rVB	106987	77694	0.42%	0.240%
78	6.677	903	905	907	rBV3	2235	2156	0.01%	0.007%
79	6.710	907	911	915	rBV	70543	58704	0.31%	0.182%
80	6.736	915	916	919	rVB3	14270	6963	0.04%	0.022%
81	6.784	919	925	927	rBV6	9262	16395	0.09%	0.051%
82	6.838	931	935	937	rVB2	11134	11571	0.06%	0.036%
83	6.875	937	942	945	rBV7	25483	36569	0.20%	0.113%
84	6.907	945	948	953	rVB	673987	428318	2.29%	1.325%
85	6.977	957	961	963	rBV3	17398	17133	0.09%	0.053%
86	7.014	963	968	971	rBV3	10749	9929	0.05%	0.031%
87	7.052	971	975	981	rVB	55056	62503	0.33%	0.193%
88	7.105	981	985	993	rBV	94729	115334	0.62%	0.357%
89	7.164	993	996	997	rBV	110775	91499	0.49%	0.283%
90	7.223	1003	1007	1009	rBV3	16095	13691	0.07%	0.042%
91	7.255	1009	1013	1019	rVB	40148	50347	0.27%	0.156%
92	7.319	1019	1025	1029	rBV3	30835	31564	0.17%	0.098%
93	7.394	1035	1039	1043	rBV	212586	155361	0.83%	0.480%
94	7.432	1043	1046	1049	rVV	753858	574213	3.07%	1.776%
95	7.458	1049	1051	1059	rVV4	33865	51553	0.28%	0.159%
96	7.528	1059	1064	1067	rVV	66962	77165	0.41%	0.239%
97	7.560	1067	1070	1073	rVB4	25324	19911	0.11%	0.062%
98	7.608	1073	1079	1083	rBV2	69821	82973	0.44%	0.257%
99	7.640	1083	1085	1087	rBV	54362	46539	0.25%	0.144%
100	7.667	1087	1090	1093	rVB3	34064	27807	0.15%	0.086%
101	7.704	1093	1097	1099	rBV2	54880	54151	0.29%	0.167%
102	7.731	1099	1102	1107	rVB2	44579	41082	0.22%	0.127%
103	7.785	1107	1112	1117	rBV	48774	80200	0.43%	0.248%
104	7.860	1123	1126	1131	rVB6	24023	26042	0.14%	0.081%
105	7.902	1131	1134	1137	rBV4	51767	51468	0.27%	0.159%
106	7.929	1137	1139	1143	rBV3	33043	39815	0.21%	0.123%
107	7.961	1143	1145	1147	rVV2	14305	12447	0.07%	0.038%
108	8.020	1153	1156	1159	rVB4	28682	37065	0.20%	0.115%
109	8.052	1159	1162	1167	rVB4	28053	45069	0.24%	0.139%
110	8.127	1171	1176	1181	rVB	504193	434904	2.32%	1.345%
111	8.170	1181	1184	1187	rBV4	23443	27187	0.15%	0.084%
112	8.266	1187	1202	1209	rBV2	147685	202738	1.08%	0.627%
113	8.320	1209	1212	1215	rBV4	29348	28955	0.15%	0.090%
114	8.421	1225	1231	1233	rBV4	34315	41909	0.22%	0.130%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

115	8.448	1233	1236	1249	rVB5	63857	112644	0.60%	0.348%
116	8.566	1249	1258	1261	rBV7	28757	55835	0.30%	0.173%
117	8.667	1275	1277	1281	rBV4	16537	22930	0.12%	0.071%
118	8.742	1289	1291	1297	rVB4	33384	29701	0.16%	0.092%
119	8.806	1297	1303	1305	rBV	690559	640855	3.42%	1.982%
120	8.828	1305	1307	1311	rVB	128377	103228	0.55%	0.319%
121	8.886	1311	1318	1321	rBV4	27625	47113	0.25%	0.146%
122	8.935	1321	1327	1333	rBV8	37936	83227	0.44%	0.257%
123	8.977	1333	1335	1341	rBV3	18718	32649	0.17%	0.101%
124	9.058	1345	1350	1353	rBV6	29692	45019	0.24%	0.139%
125	9.122	1357	1362	1363	rBV5	21762	23864	0.13%	0.074%
126	9.149	1363	1367	1369	rBV2	61378	57968	0.31%	0.179%
127	9.239	1381	1384	1389	rBV2	42531	62223	0.33%	0.192%
128	9.336	1397	1402	1405	rBV2	119117	140863	0.75%	0.436%
129	9.368	1405	1408	1411	rVB	122482	109241	0.58%	0.338%
130	9.453	1419	1424	1427	rBV3	70211	92645	0.49%	0.287%
131	9.593	1447	1450	1453	rVB2	40648	37368	0.20%	0.116%
132	9.630	1453	1457	1459	rBV4	40357	35999	0.19%	0.111%
133	9.662	1459	1463	1465	rBV2	31244	31076	0.17%	0.096%
134	9.833	1493	1495	1499	rVB3	77772	79178	0.42%	0.245%
135	9.871	1499	1502	1513	rVB5	122314	221005	1.18%	0.683%
136	9.951	1513	1517	1521	rVV	155379	167260	0.89%	0.517%
137	9.983	1521	1523	1533	rVB4	88464	167317	0.89%	0.517%
138	10.074	1533	1540	1547	rVB5	76568	172809	0.92%	0.534%
139	10.165	1553	1557	1559	rVB5	13384	15057	0.08%	0.047%
140	10.197	1559	1563	1567	rVB3	66049	76703	0.41%	0.237%
141	10.245	1567	1572	1575	rBV6	17287	29875	0.16%	0.092%
142	10.288	1575	1580	1583	rBV7	15943	20106	0.11%	0.062%
143	10.325	1583	1587	1589	rBV3	26343	37381	0.20%	0.116%
144	10.373	1593	1596	1603	rVB	108116	112933	0.60%	0.349%
145	10.432	1603	1607	1611	rBV	49108	48447	0.26%	0.150%
146	10.475	1611	1615	1617	rBV	77893	85687	0.46%	0.265%
147	10.507	1617	1621	1629	rVV3	89216	106487	0.57%	0.329%
148	10.577	1629	1634	1643	rVB	663076	750913	4.01%	2.322%
149	10.646	1643	1647	1649	rBV5	36265	48982	0.26%	0.151%
150	10.726	1657	1662	1665	rBV5	22040	34603	0.18%	0.107%
151	10.855	1681	1686	1689	rVB4	21908	24359	0.13%	0.075%
152	10.892	1689	1693	1697	rBV	63044	86400	0.46%	0.267%
153	10.935	1697	1701	1707	rVV	86973	110130	0.59%	0.341%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

154	10.994	1707	1712	1715	rVB	87424	87959	0.47%	0.272%
155	11.026	1715	1718	1725	rVB	52728	65647	0.35%	0.203%
156	11.085	1725	1729	1739	rBV5	42841	99988	0.53%	0.309%
157	11.347	1773	1778	1781	rBV2	90501	83990	0.45%	0.260%
158	11.416	1787	1791	1793	rBV3	17904	15104	0.08%	0.047%
159	11.443	1793	1796	1799	rVB2	38087	34540	0.18%	0.107%
160	11.486	1799	1804	1807	rBV3	65414	89378	0.48%	0.276%
161	11.577	1817	1821	1827	rBV6	35023	75796	0.40%	0.234%
162	11.620	1827	1829	1841	rVB5	45727	98565	0.53%	0.305%
163	11.743	1841	1852	1855	rBV7	92802	191162	1.02%	0.591%
164	11.796	1855	1862	1867	rBV	568121	621127	3.32%	1.921%
165	11.876	1873	1877	1881	rBV6	23784	29888	0.16%	0.092%
166	11.951	1887	1891	1895	rBV7	16282	21183	0.11%	0.066%
167	12.090	1911	1917	1921	rBV9	26157	58606	0.31%	0.181%
168	12.133	1921	1925	1931	rVB3	50120	73957	0.40%	0.229%
169	12.251	1941	1947	1955	rBV5	47105	124807	0.67%	0.386%
170	12.310	1955	1958	1961	rBV2	25336	29172	0.16%	0.090%
171	12.502	1991	1994	2001	rVB6	40501	47755	0.26%	0.148%
172	12.598	2007	2012	2021	rVB10	30518	71160	0.38%	0.220%
173	12.673	2021	2026	2029	rBV6	31105	35685	0.19%	0.110%
174	12.737	2035	2038	2041	rBV5	38443	36516	0.20%	0.113%
175	12.775	2041	2045	2049	rVV4	28830	38783	0.21%	0.120%
176	12.861	2055	2061	2069	rBV4	29330	95507	0.51%	0.295%
177	12.925	2069	2073	2077	rVB2	39545	43553	0.23%	0.135%
178	12.978	2077	2083	2089	rBV9	35052	85153	0.45%	0.263%
179	13.096	2101	2105	2109	rVB7	32551	45579	0.24%	0.141%
180	13.214	2123	2127	2133	rVB8	25086	36296	0.19%	0.112%
181	13.315	2143	2146	2153	rVB7	27346	50038	0.27%	0.155%
182	13.385	2153	2159	2165	rVB	607045	635569	3.40%	1.966%
183	13.657	2205	2210	2213	rBV7	26313	35749	0.19%	0.111%
184	13.759	2223	2229	2235	rBV7	82497	143084	0.76%	0.443%
185	13.807	2235	2238	2243	rVB6	55319	63452	0.34%	0.196%
186	13.968	2263	2268	2273	rVB9	46515	57299	0.31%	0.177%
187	14.198	2307	2311	2317	rVB9	29617	35797	0.19%	0.111%
188	14.363	2337	2342	2355	rVB9	26904	55660	0.30%	0.172%
189	14.668	2393	2399	2417	rVB9	51806	195910	1.05%	0.606%
190	14.802	2417	2424	2431	rBV5	77865	129316	0.69%	0.400%
191	15.011	2461	2463	2469	rVB7	24134	34829	0.19%	0.108%
192	15.182	2491	2495	2509	rVB7	12733	38090	0.20%	0.118%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

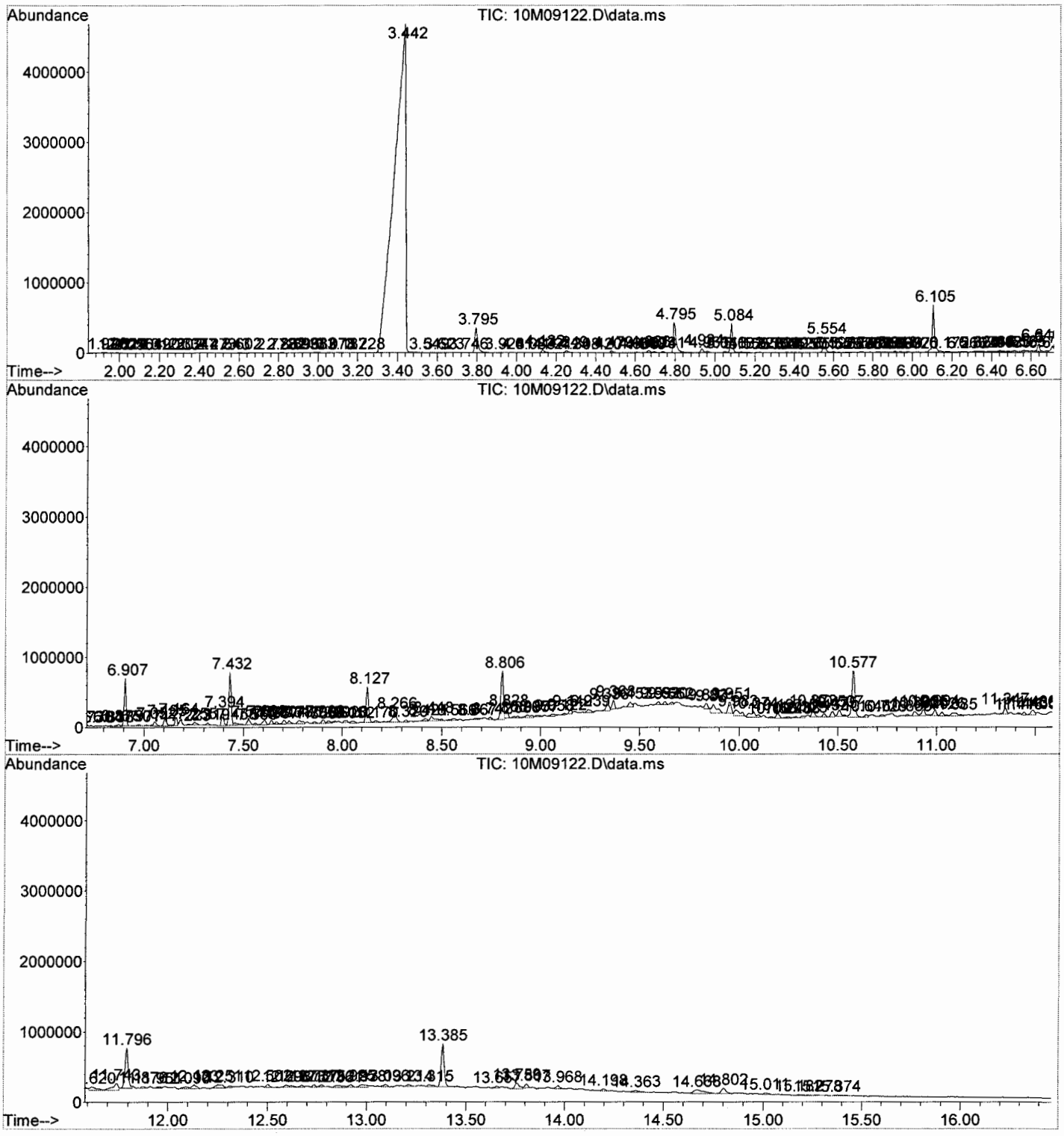
193	15.278	2509	2513	2519	rVB9	11077	13620	0.07%	0.042%
194	15.374	2525	2531	2545	rBV9	12068	34807	0.19%	0.108%

Sum of corrected areas: 32334680

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

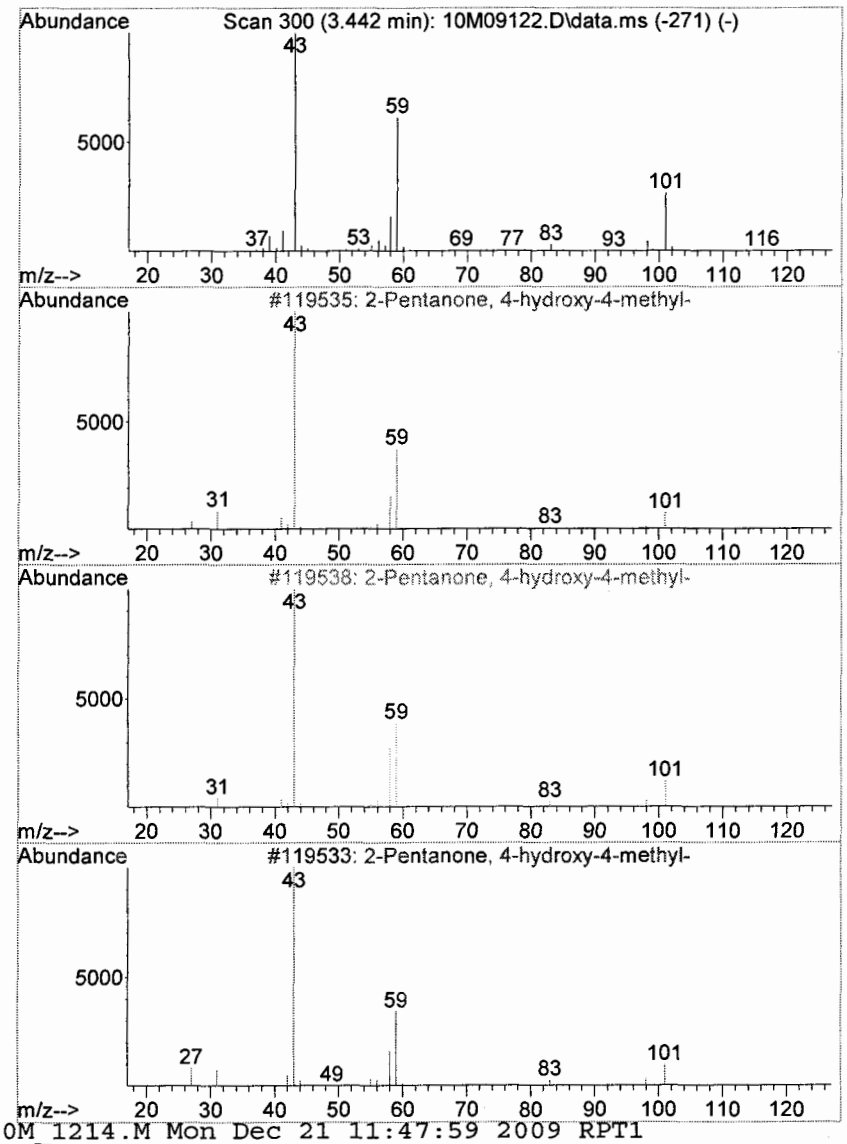
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

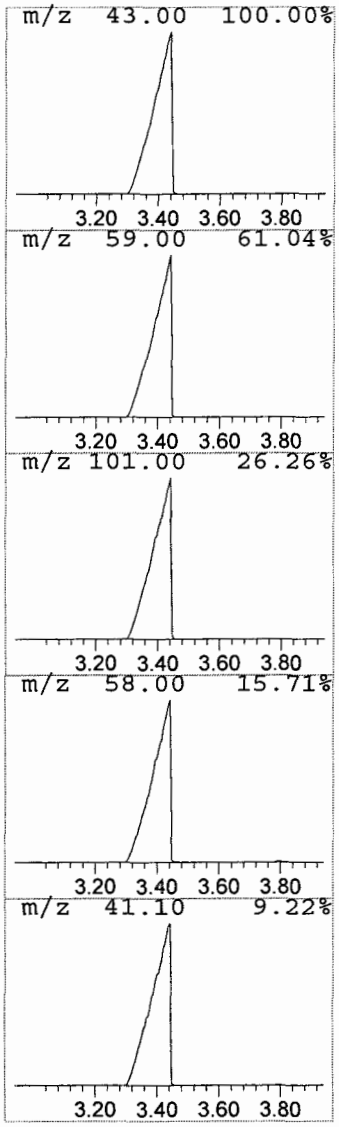
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.44	2526.80 ng	18719000	1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

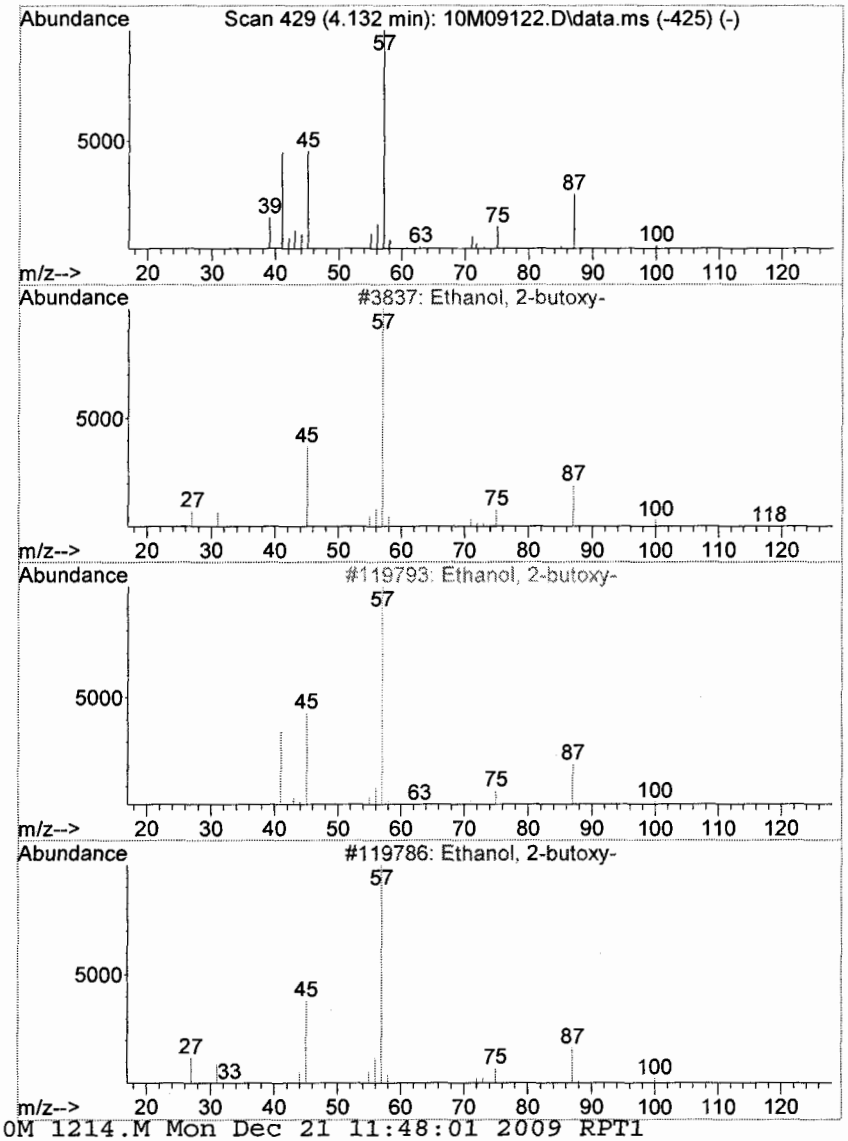
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

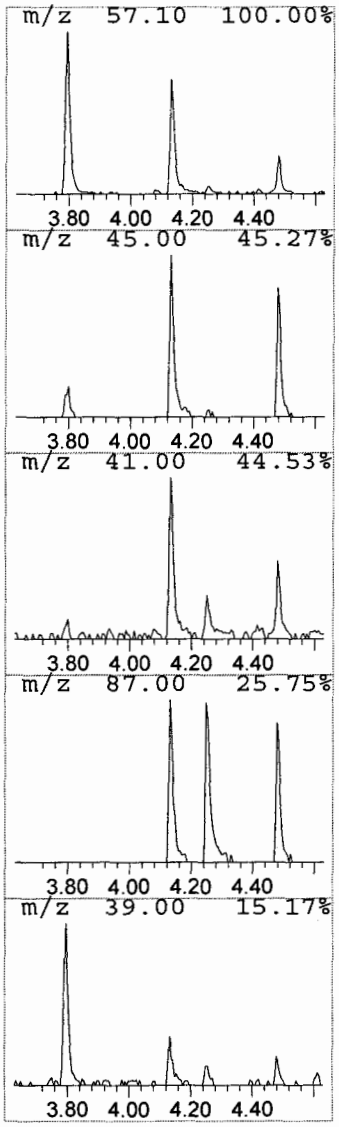
****

Peak Number 2 Ethanol, 2-butoxy- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	5.79 ng	42869	1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	78
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	72
4	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	59
5	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	50





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

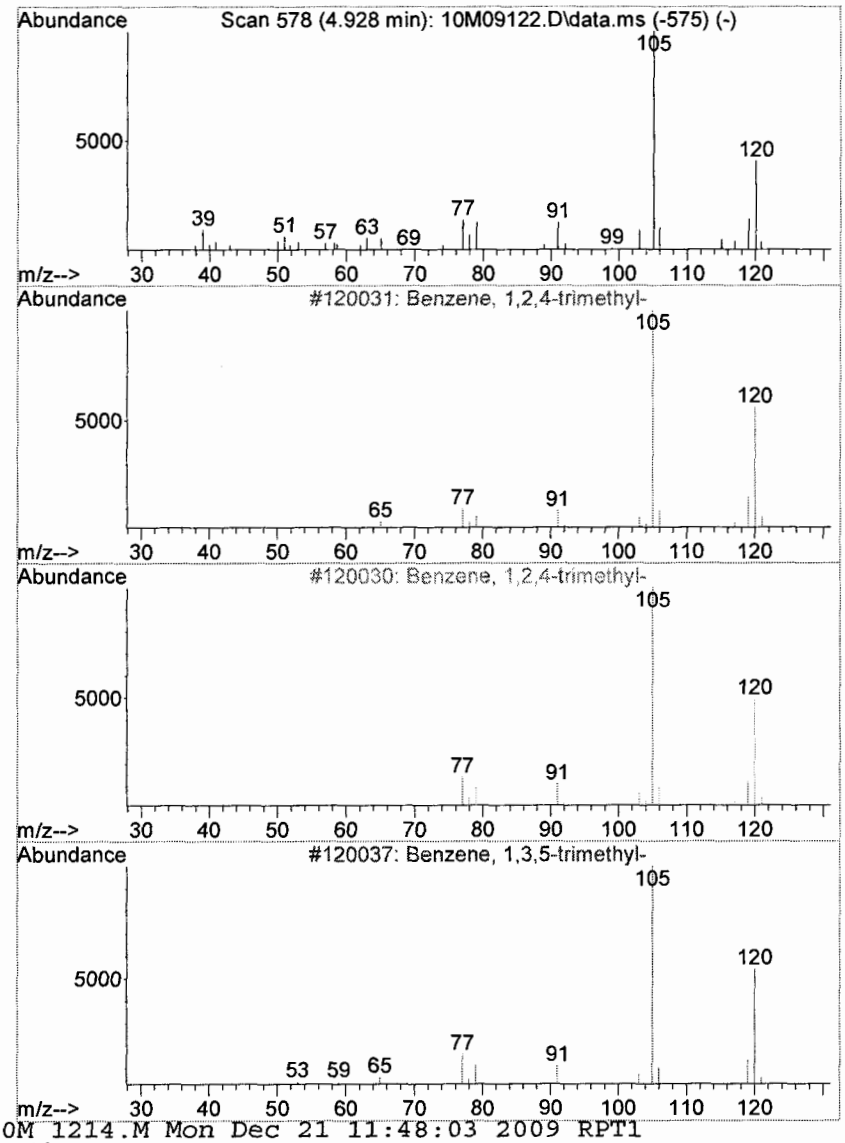
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

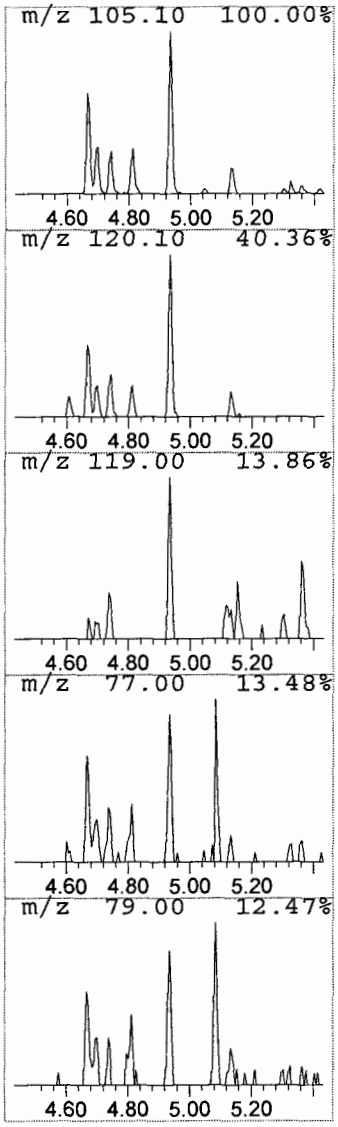
****

Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	6.52 ng	48314	1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

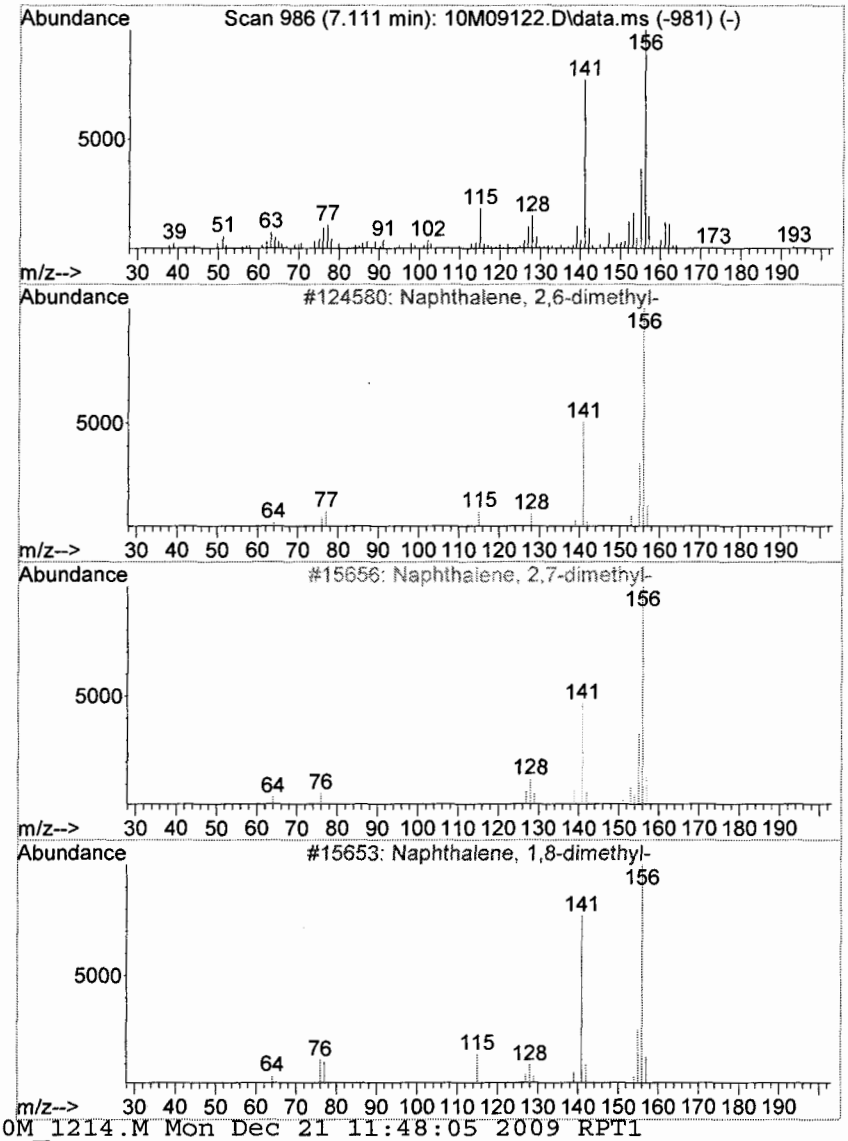
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

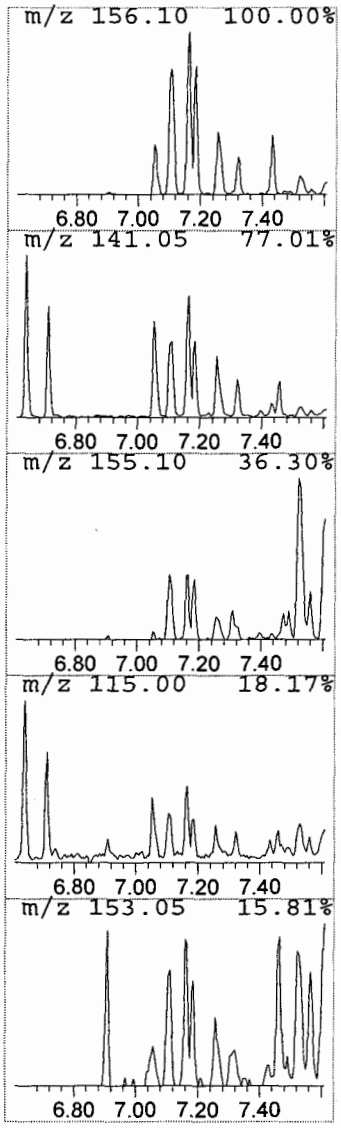
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	8.03 ng	115334	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

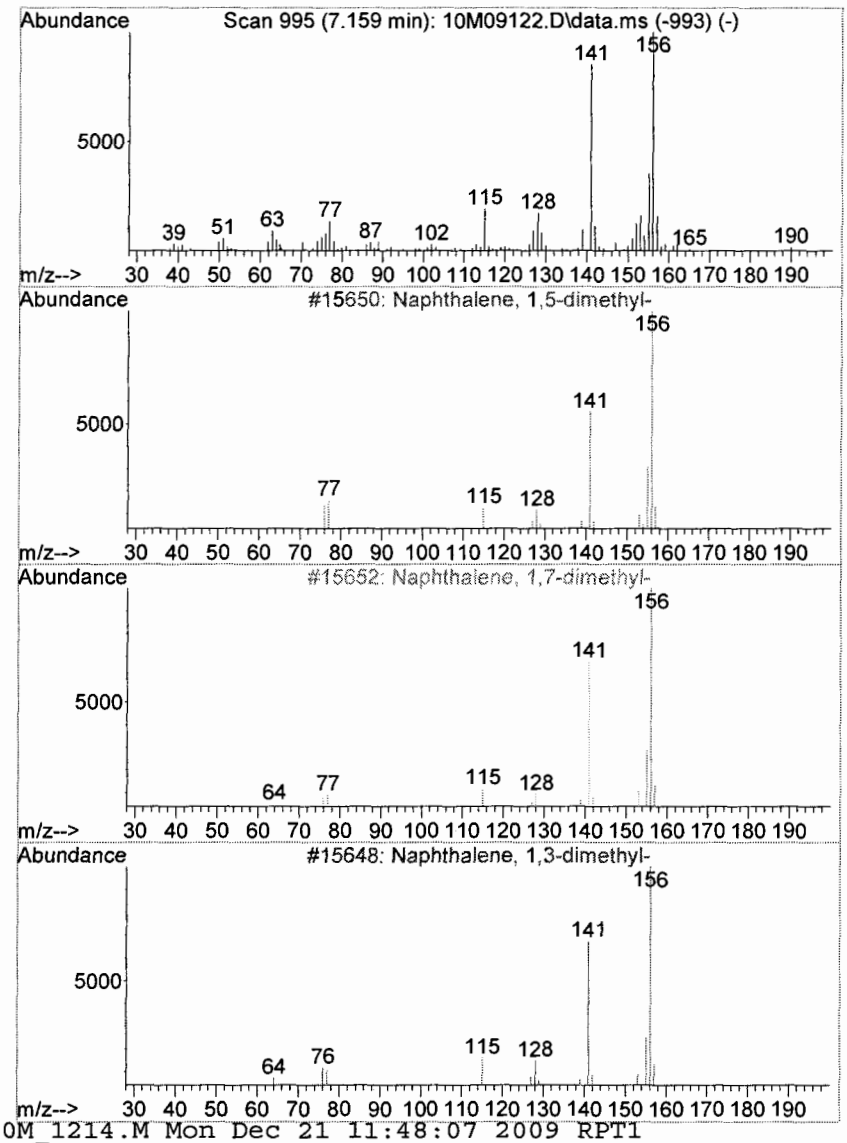
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

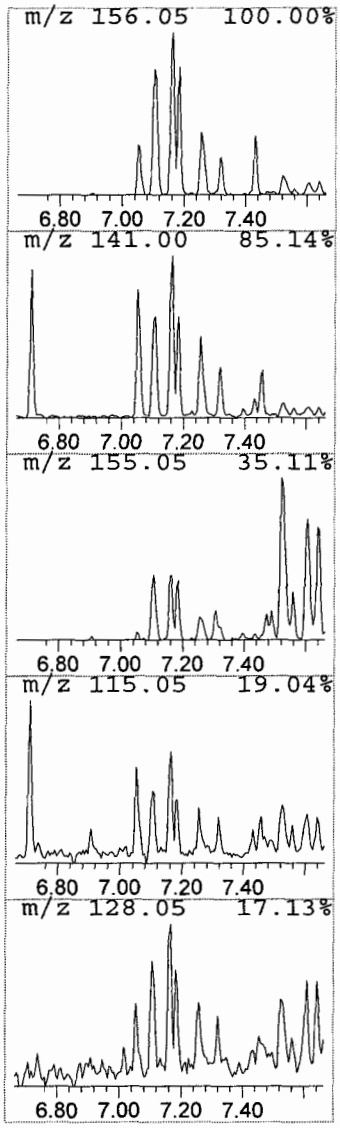
****

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	6.37 ng	91499	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

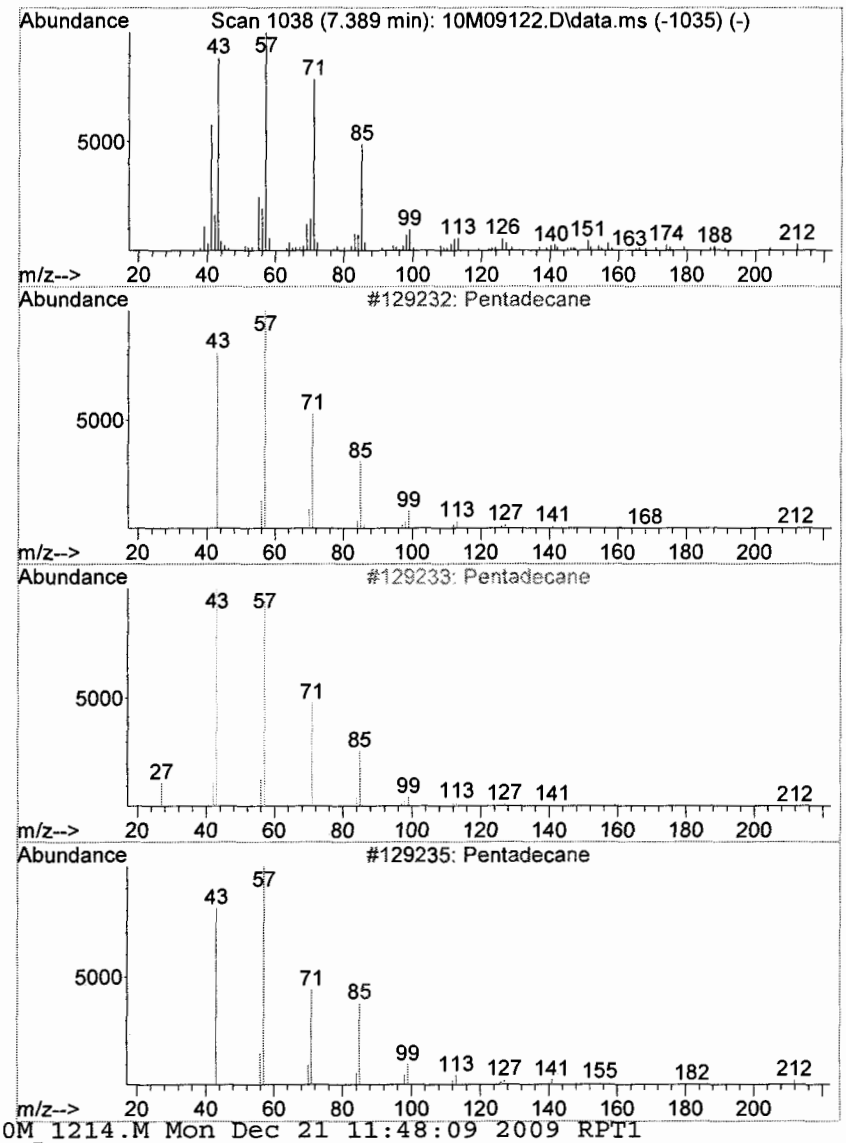
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

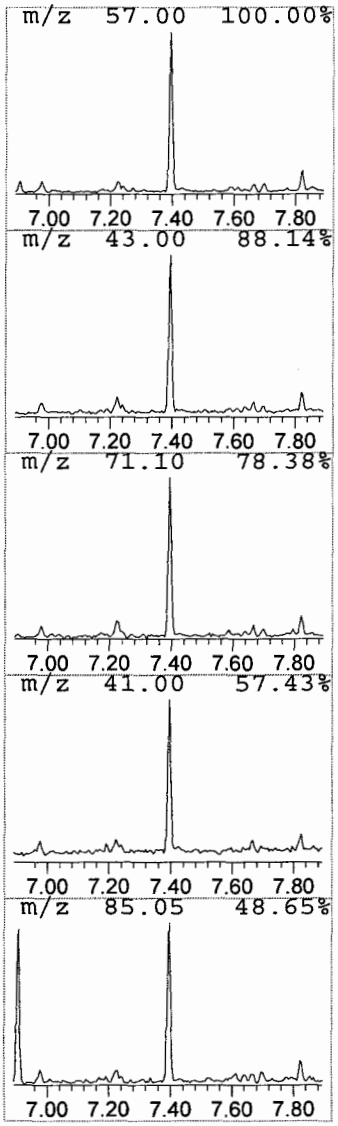
****

Peak Number 6 Pentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	10.82 ng	155361	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	97
2	Pentadecane	212	C15H32	000629-62-9	95
3	Pentadecane	212	C15H32	000629-62-9	94
4	Pentadecane	212	C15H32	000629-62-9	93
5	Heptadecane	240	C17H36	000629-78-7	87





Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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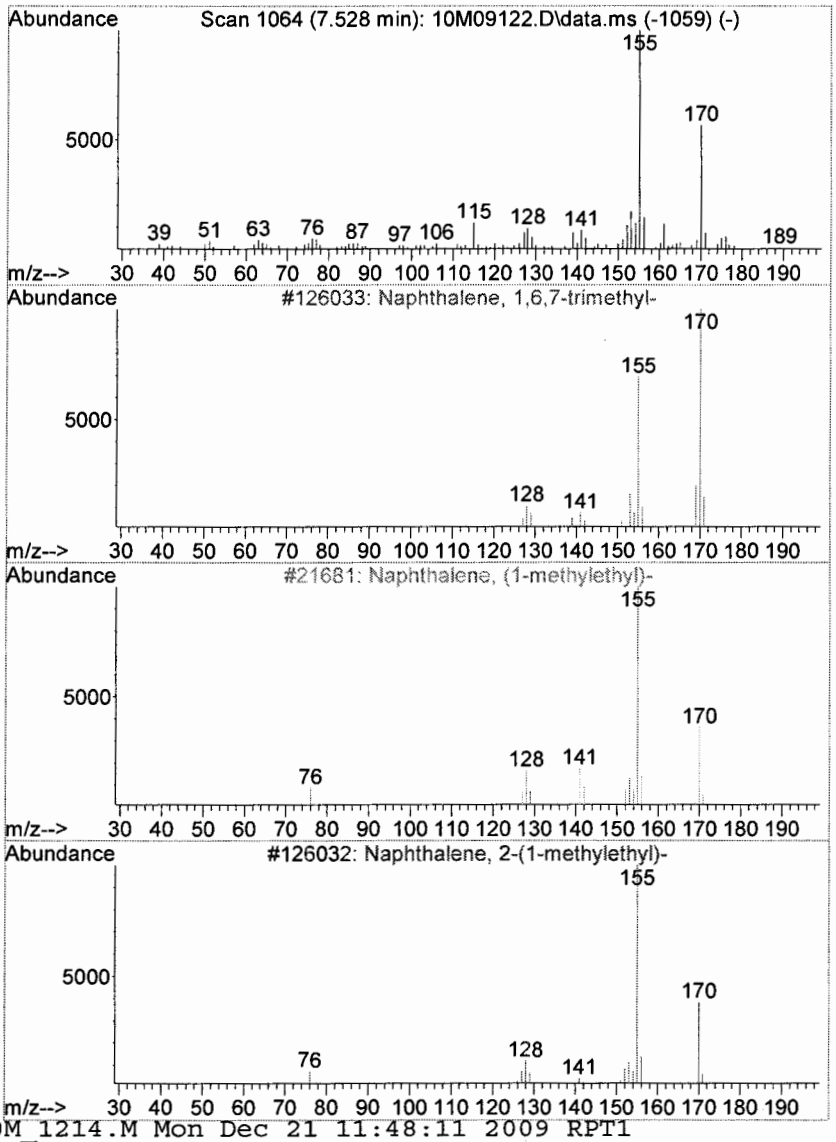
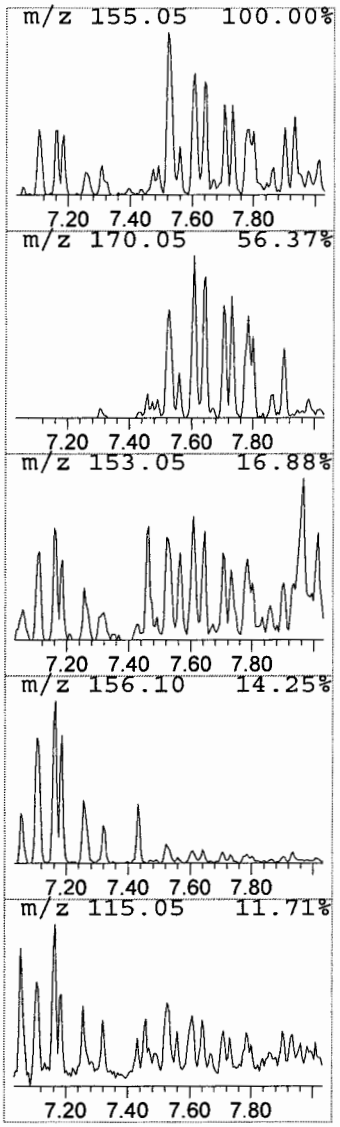
Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	5.38 ng	77165	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
2	Naphthalene, (1-methylethyl)-	170	C13H14	029253-36-9	90
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
4	1,3,5-Triazin-2(1H)-one, 4,6-bis...	155	C5H9N5O	055702-52-8	89
5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87





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Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

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Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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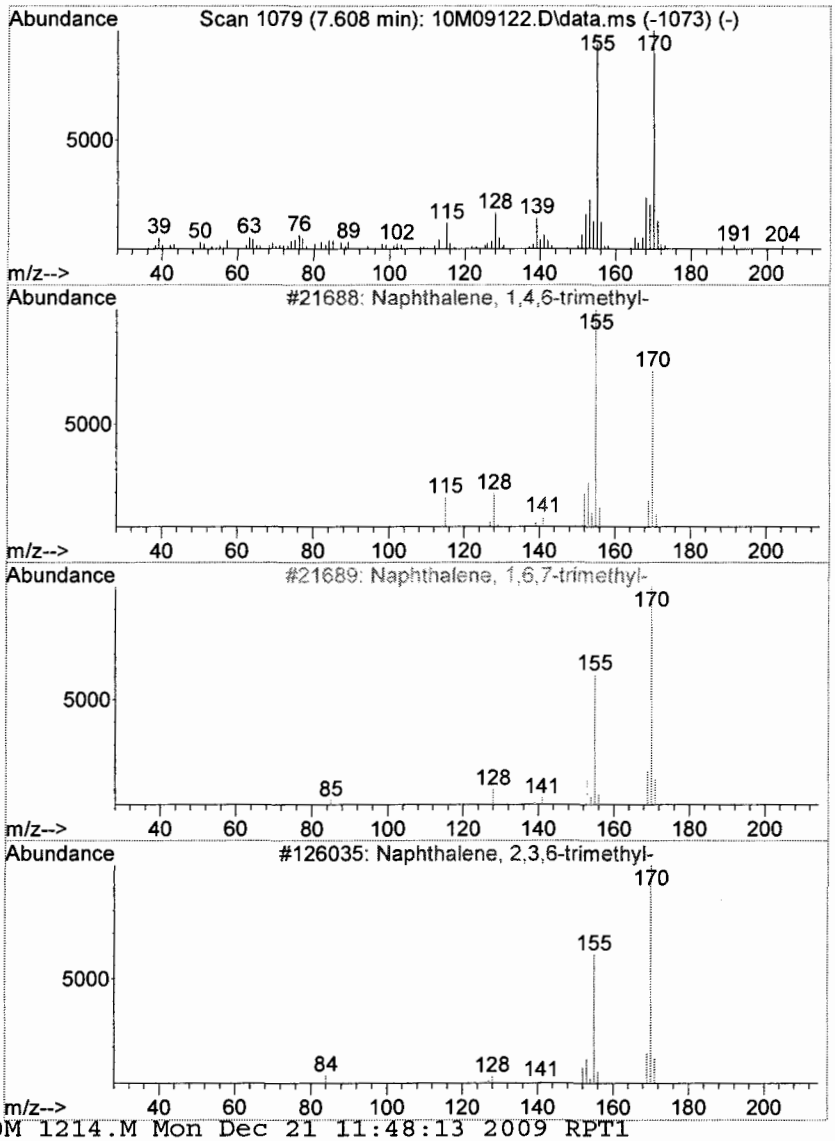
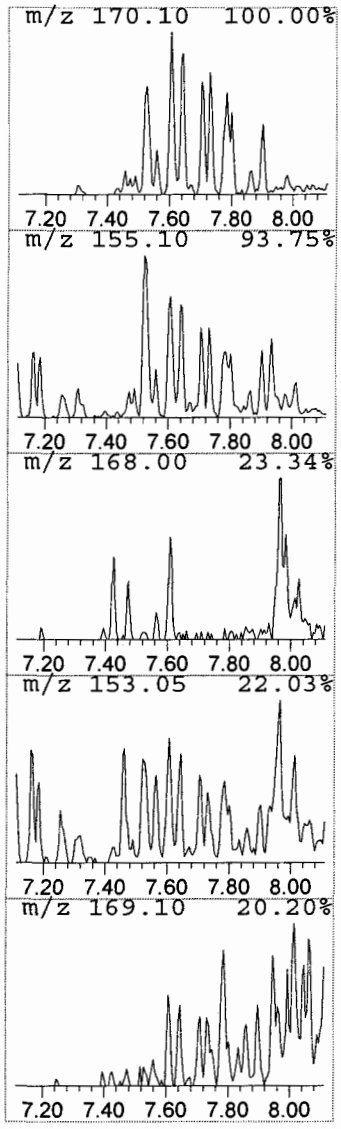
Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	5.78 ng	82973	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	METHYL-ETHYL-NAPHTALENE	170	C13H14	000000-00-0	93
5	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	91





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TIC Library : G:\GCMSDATA\WILEY138.L
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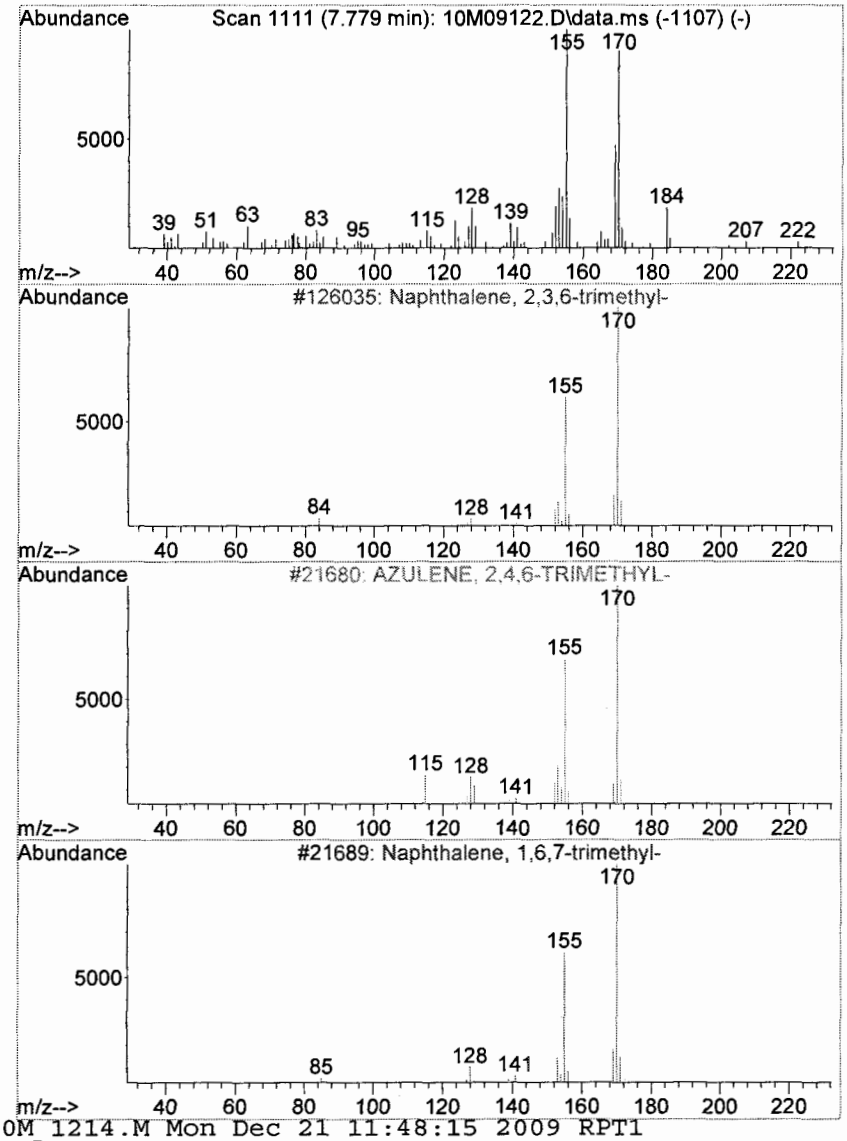
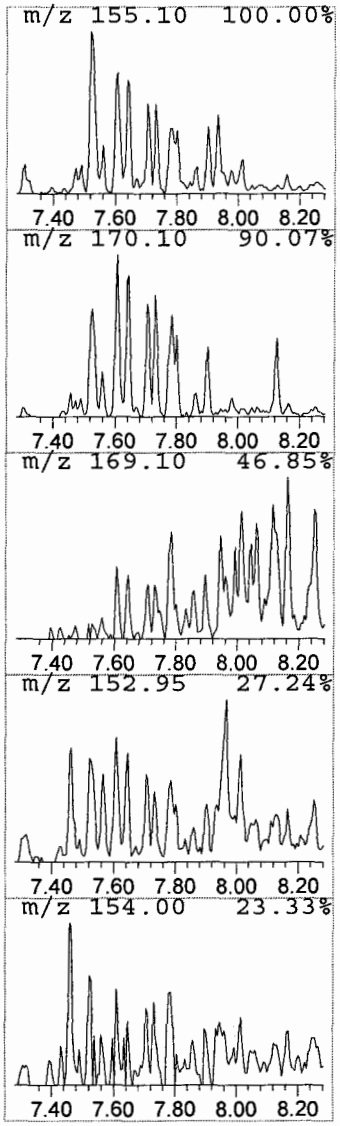
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	5.59 ng	80200	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	81
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	81
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	68
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	68





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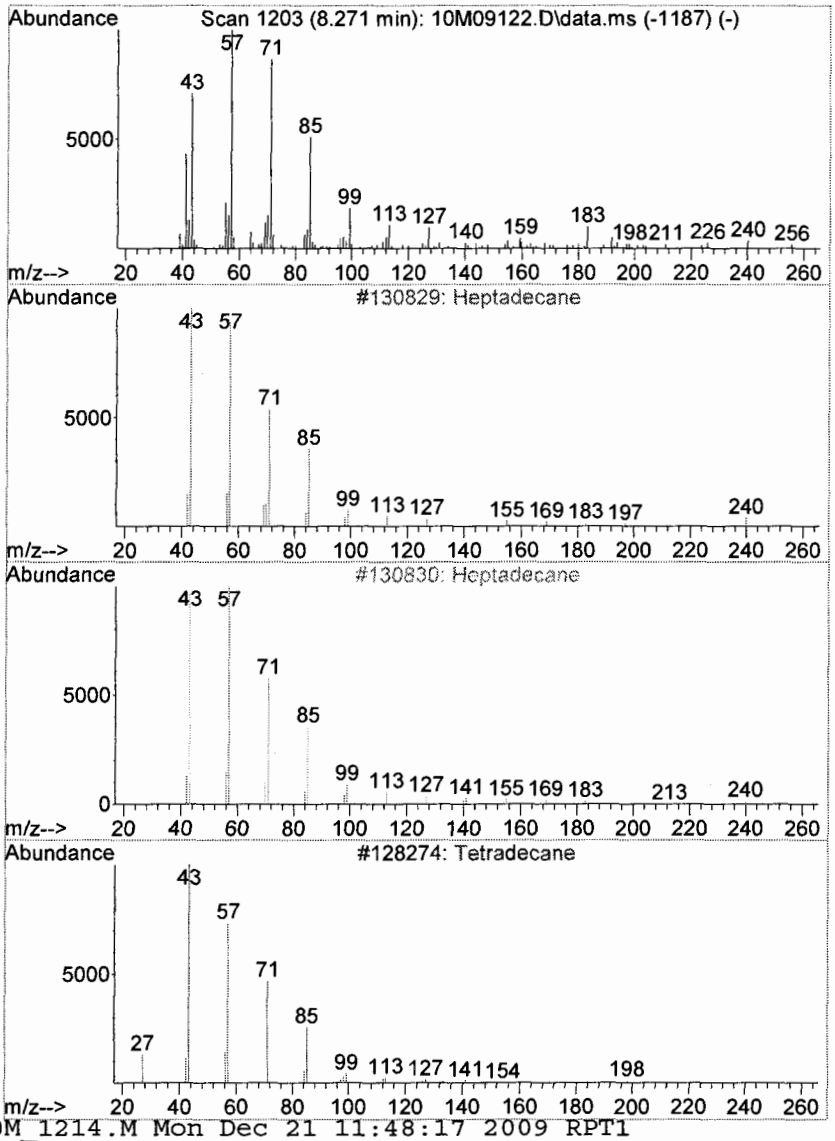
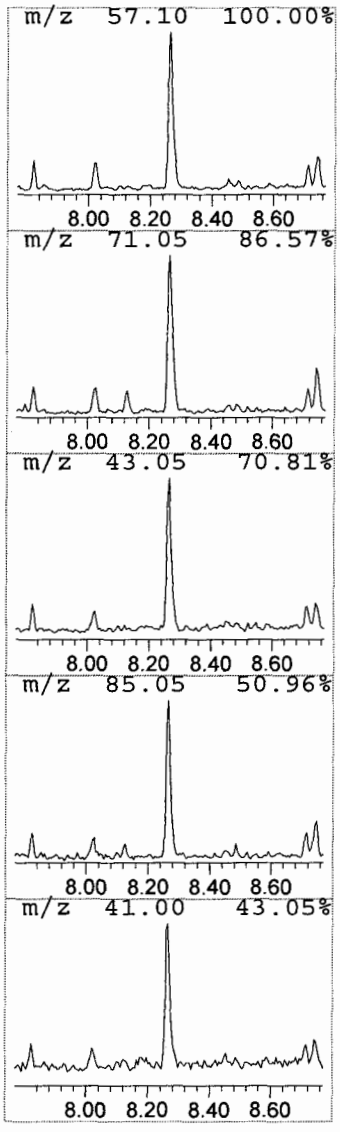
Peak Number 10 Heptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	10.75 ng	202738	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Tetradecane	198	C14H30	000629-59-4	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Heptadecane	240	C17H36	000629-78-7	87





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Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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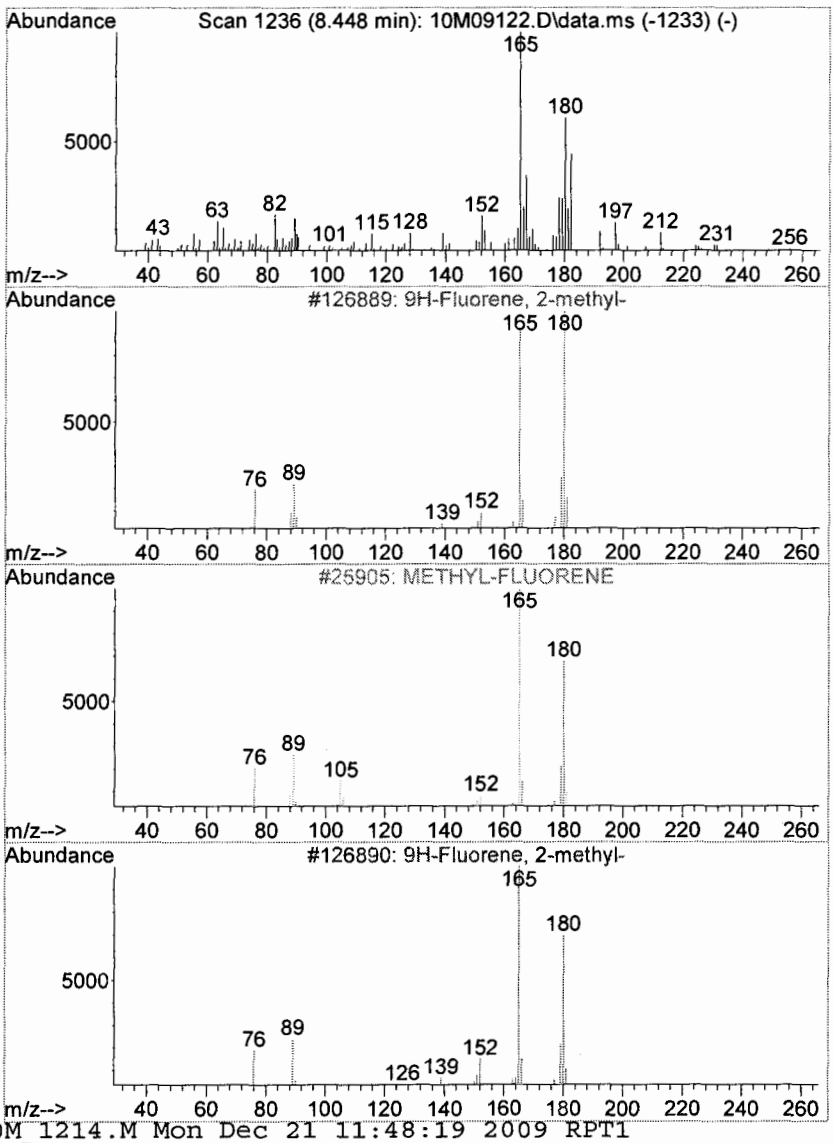
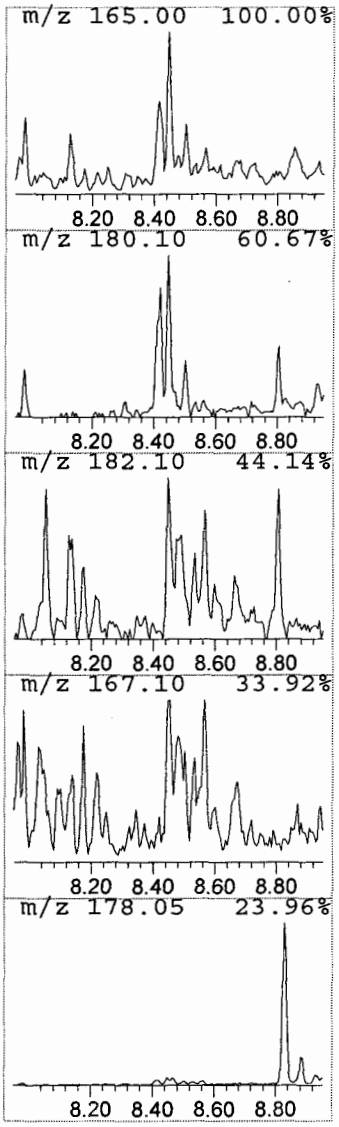
Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	5.97 ng	112644	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
2	METHYL-FLUORENE	180	C14H12	000000-00-0	60
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	53
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50





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ALS Vial : 4 Sample Multiplier: 1

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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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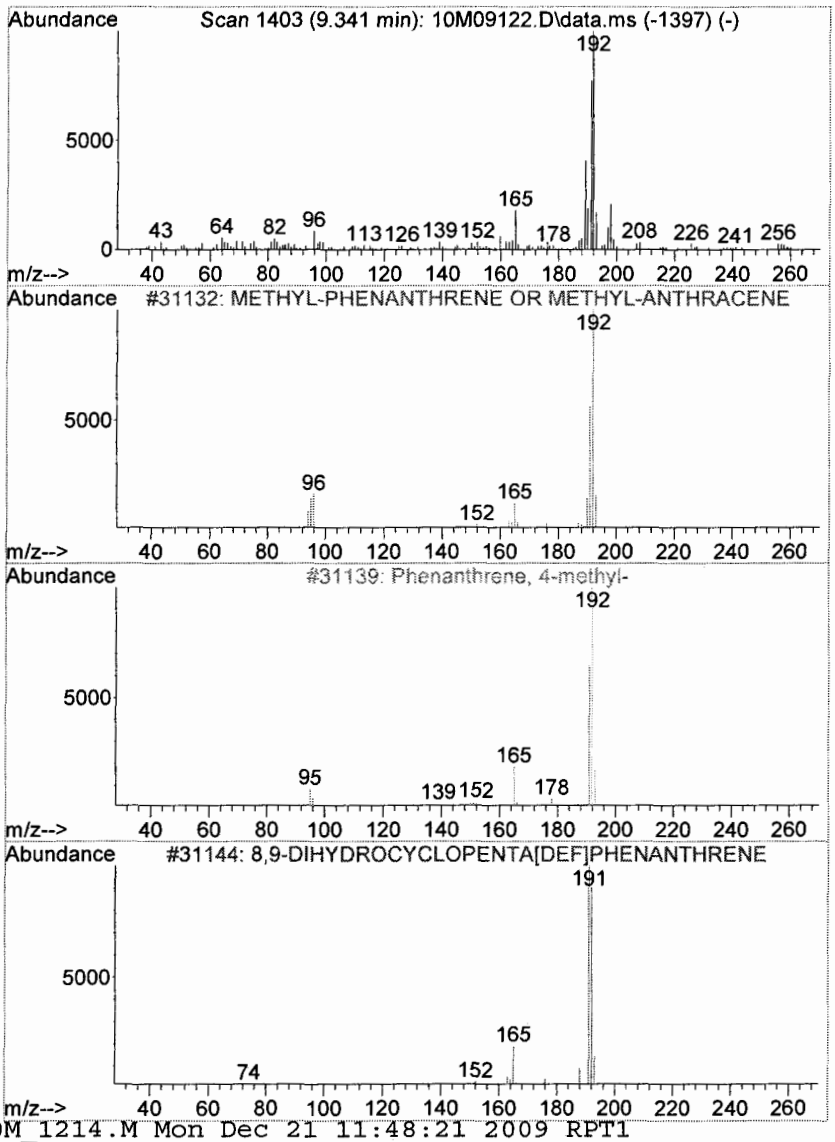
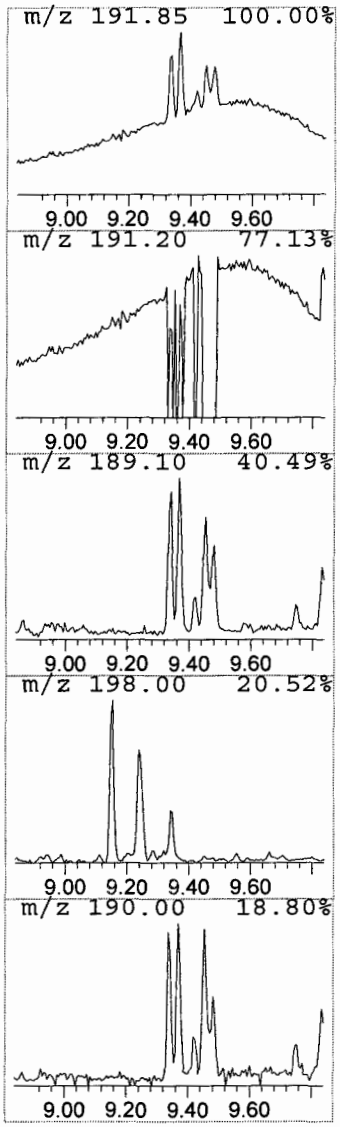
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	7.47 ng	140863	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	76
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74
3	8,9-DIHYDROCYCLOPENTA[DEF]PHENAN...	192	C15H12	027410-55-5	70
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	68
5	10-Methylbenz[a]azulene	192	C15H12	078926-60-0	59





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TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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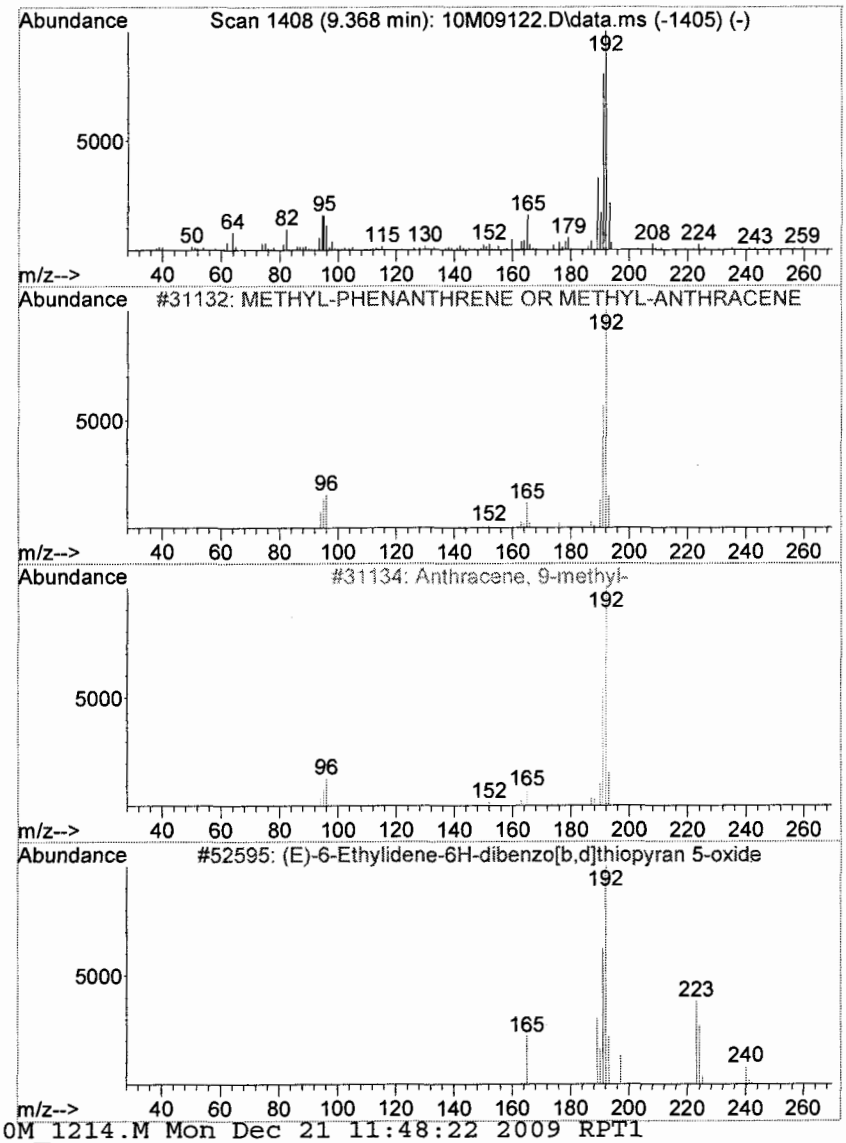
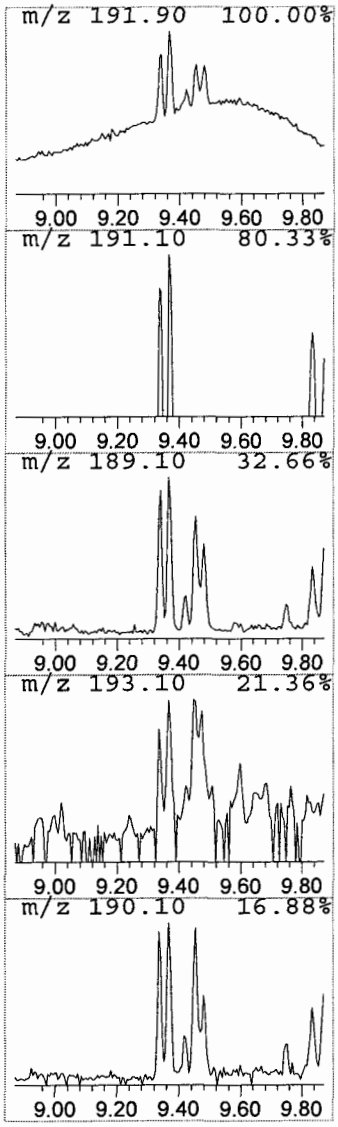
Peak Number 13 Anthracene, 9-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	5.79 ng	109241	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	10-Methylbenz[a]azulene	192	C15H12	078926-60-0	80





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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	11.72 ng	221005	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
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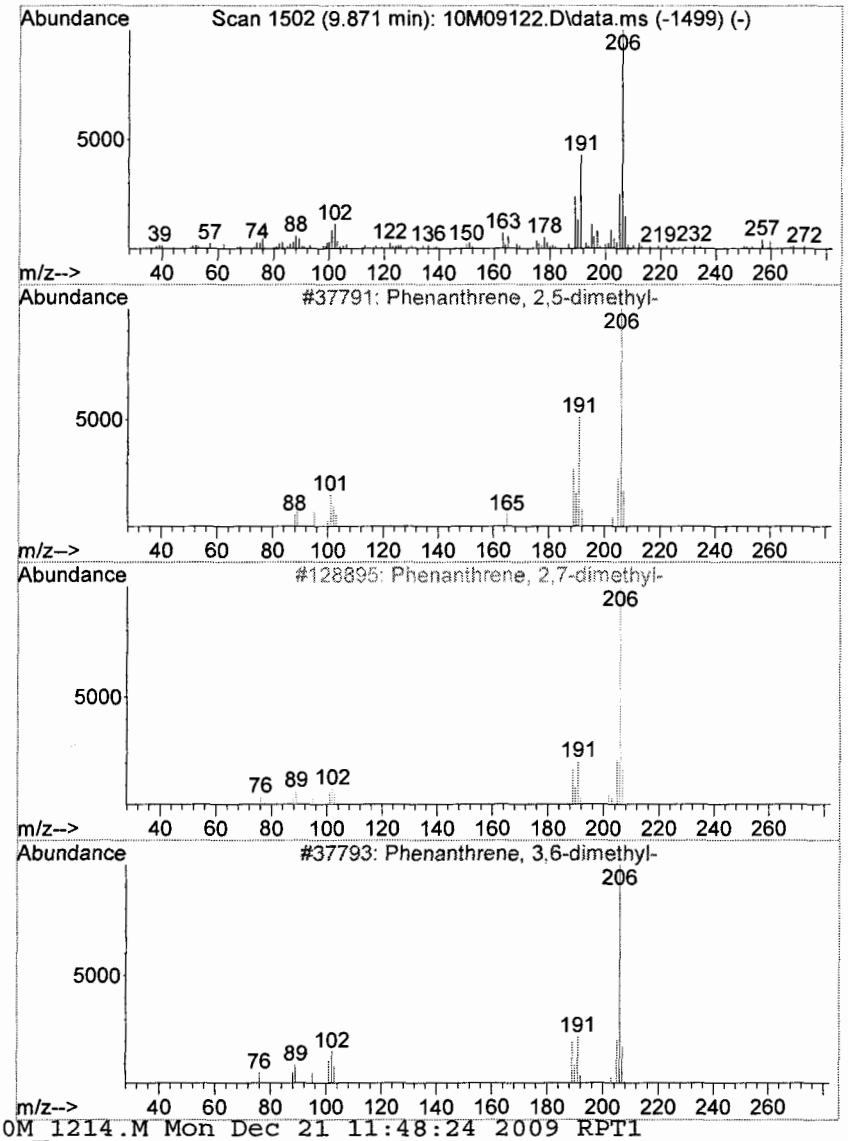

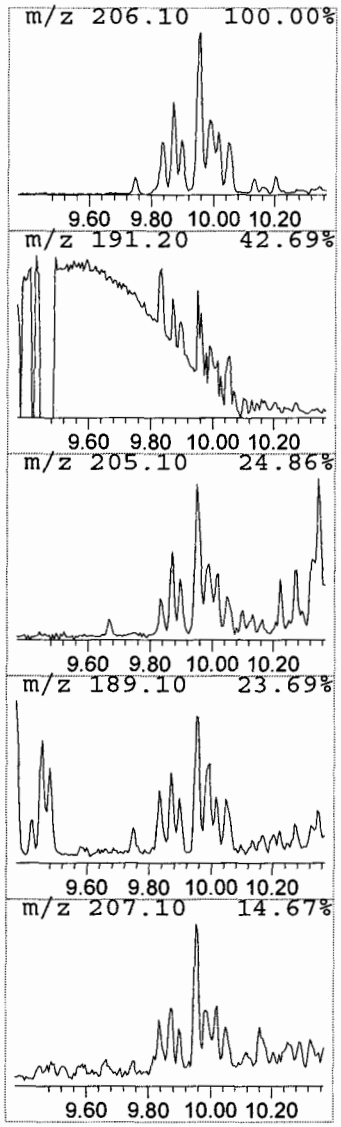

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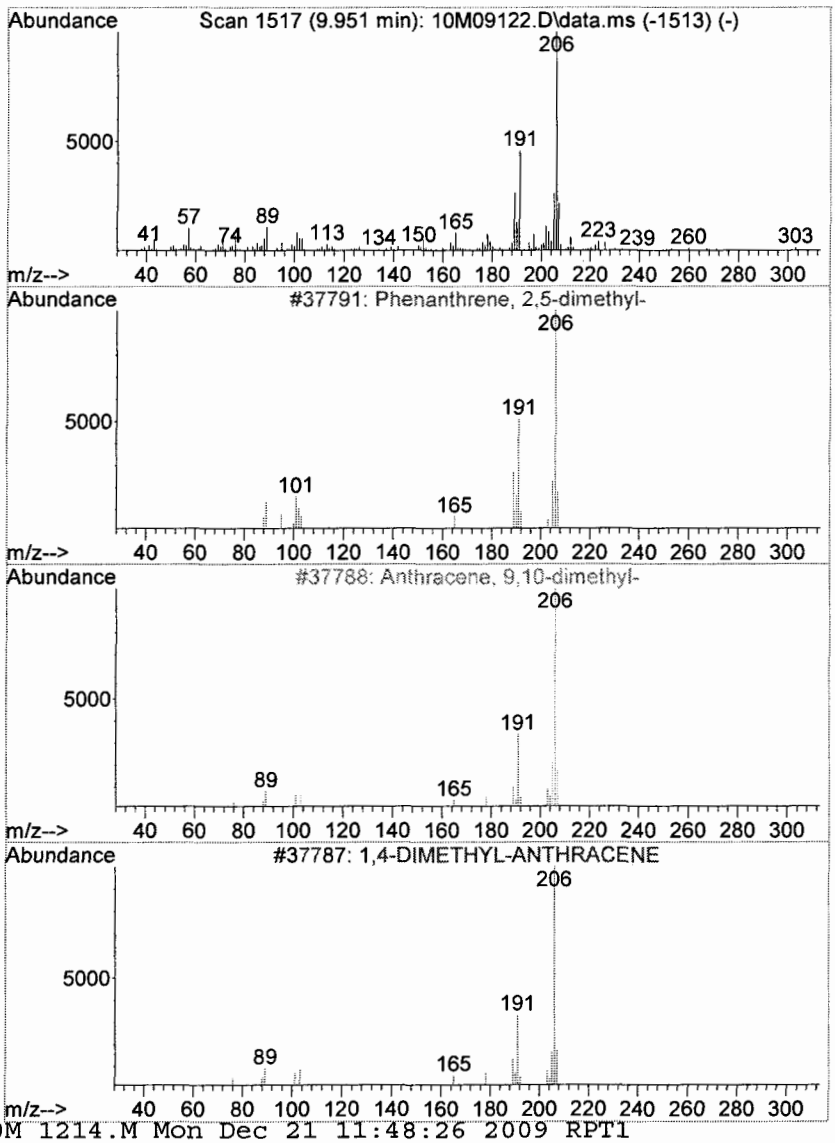
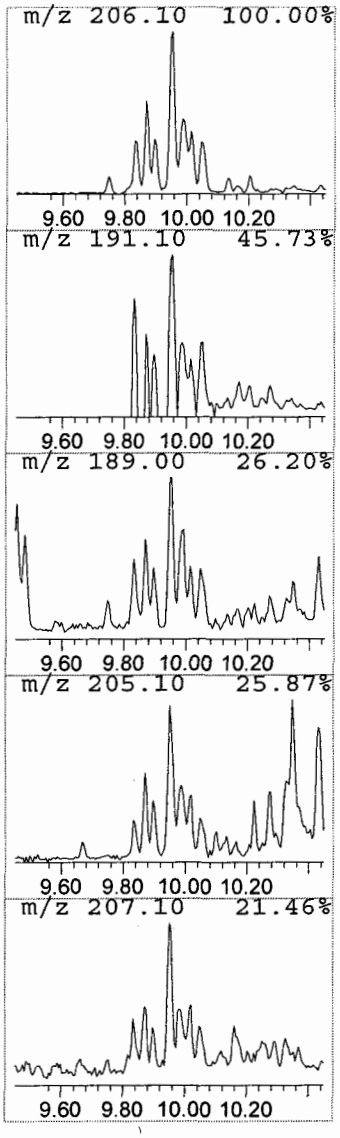
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	8.87 ng	167260	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	91
3	1,4-DIMETHYL-ANTHRACENE	206	C16H14	000000-00-0	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89





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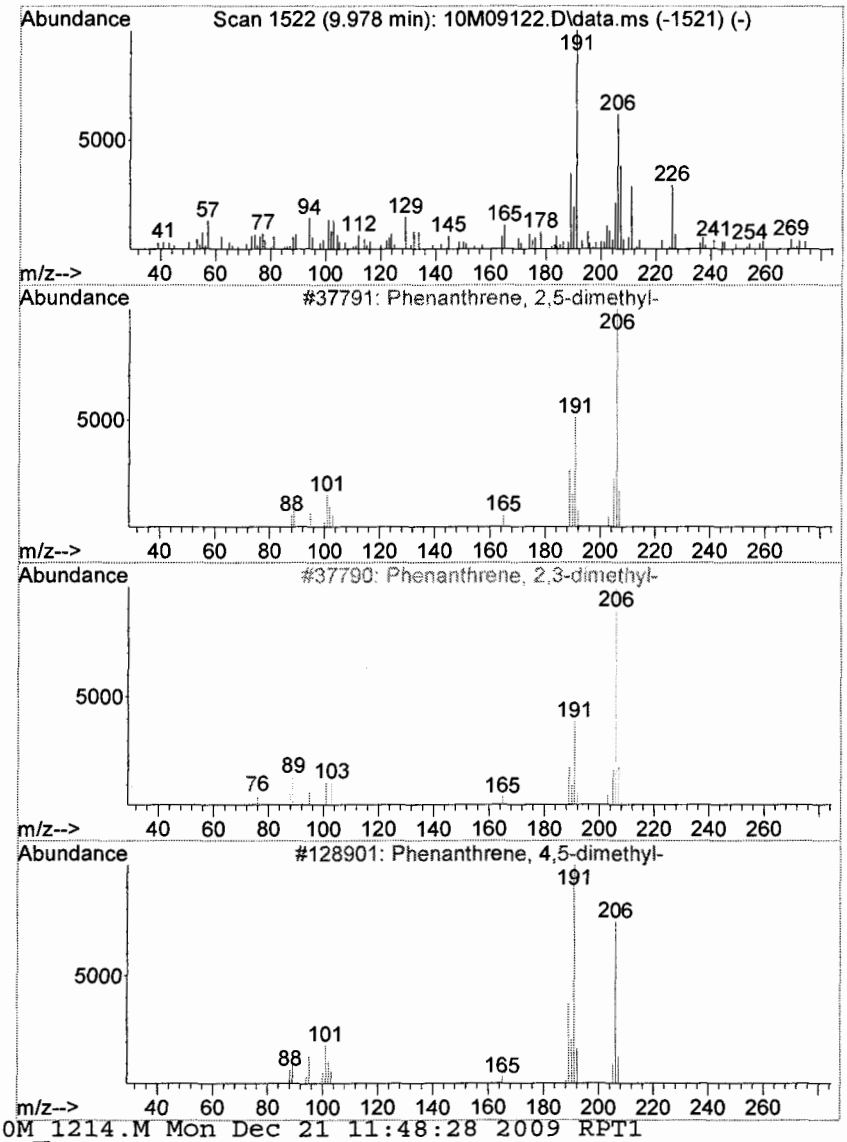
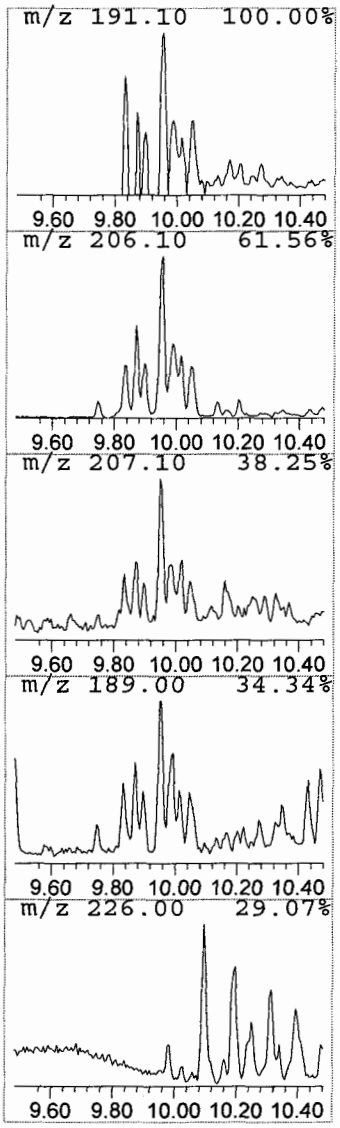
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	8.87 ng	167317	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81





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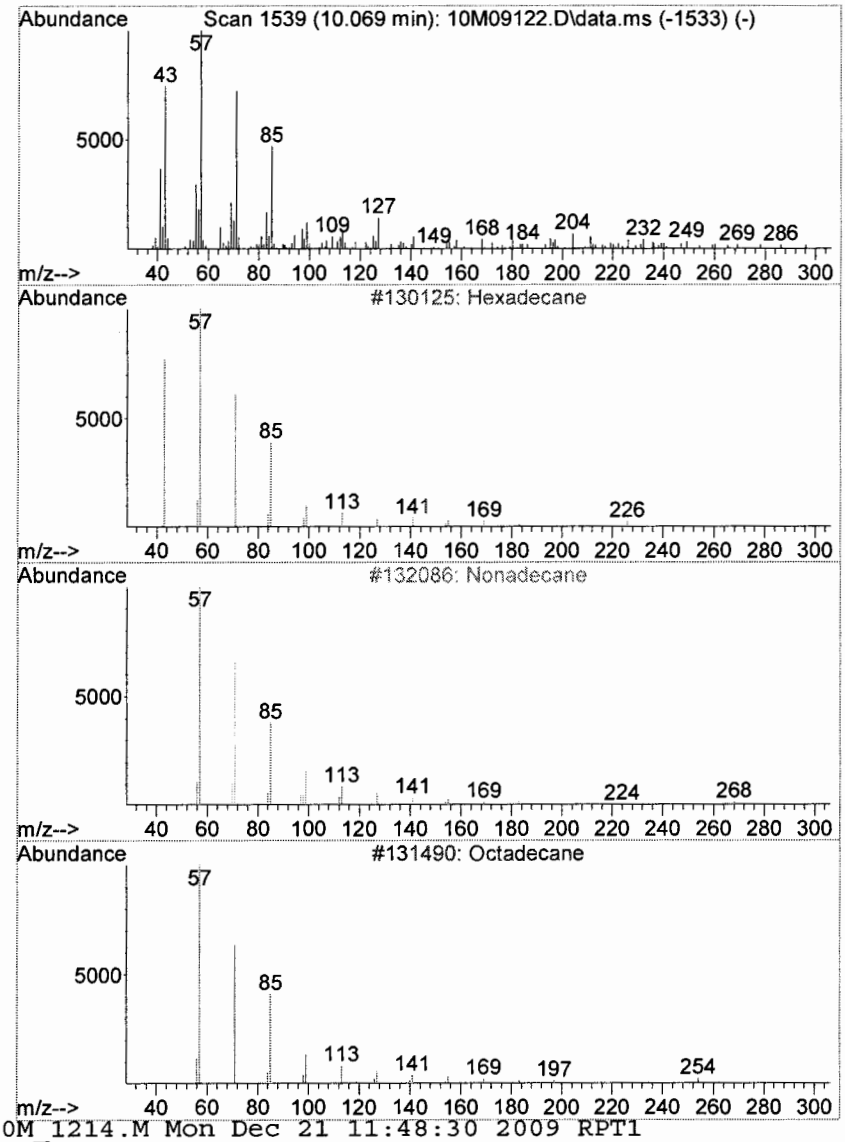
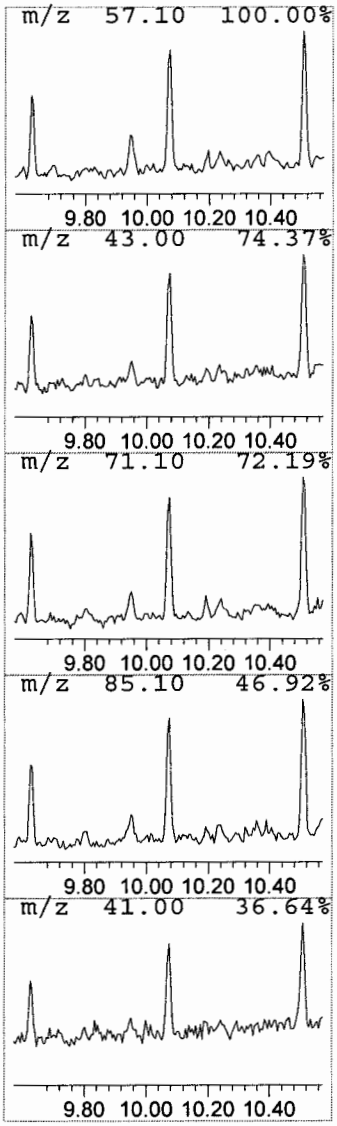
Peak Number 17 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	9.16 ng	172809	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Nonadecane	268	C19H40	000629-92-5	95
3	Octadecane	254	C18H38	000593-45-3	93
4	Hexadecane	226	C16H34	000544-76-3	92
5	Hexadecane	226	C16H34	000544-76-3	91





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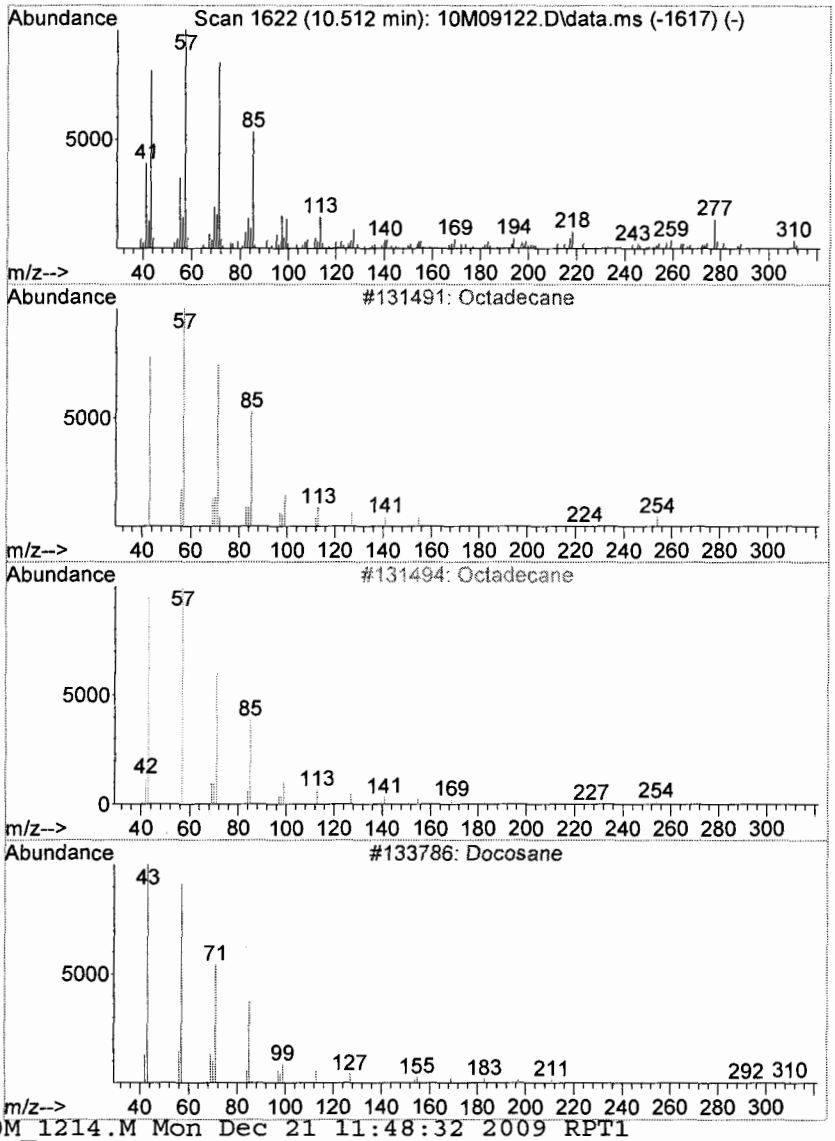
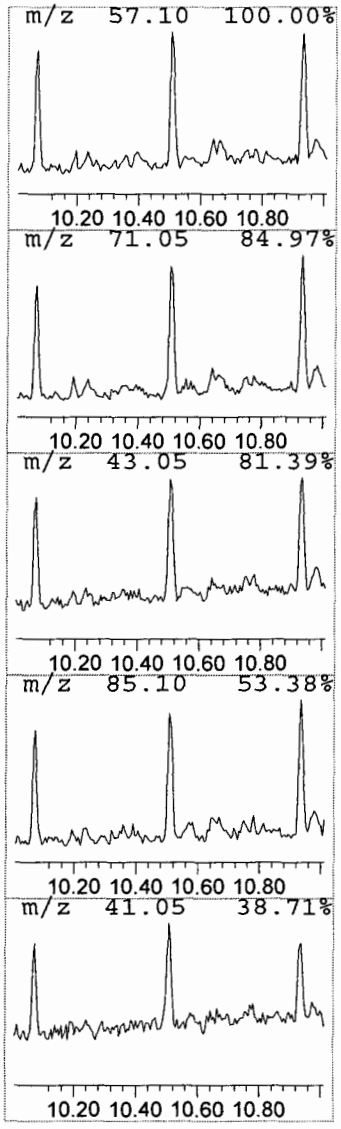
Peak Number 18 Octadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	6.42 ng	106487	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	89
2	Octadecane	254	C18H38	000593-45-3	89
3	Docosane	310	C22H46	000629-97-0	89
4	Octadecane	254	C18H38	000593-45-3	86
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	76





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Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

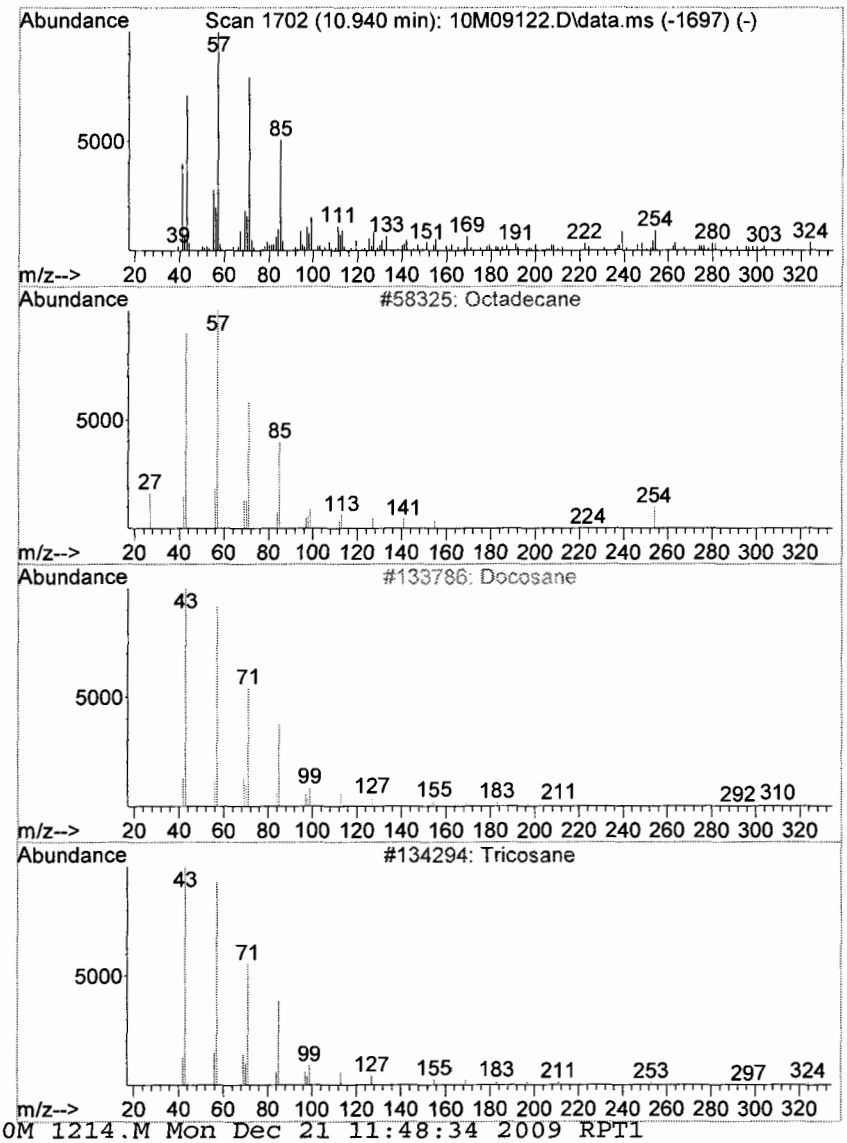
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

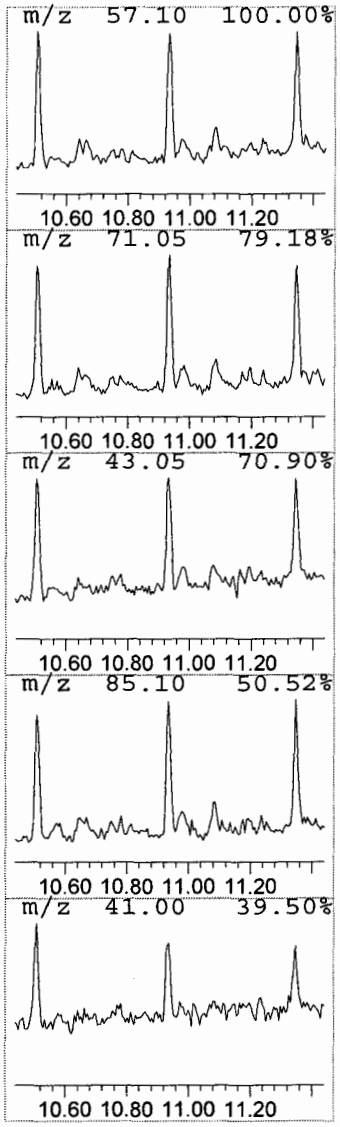
****

Peak Number 19 Octadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	6.64 ng	110130	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Docosane	310	C22H46	000629-97-0	90
3	Tricosane	324	C23H48	000638-67-5	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Pentadecane	212	C15H32	000629-62-9	90





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Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

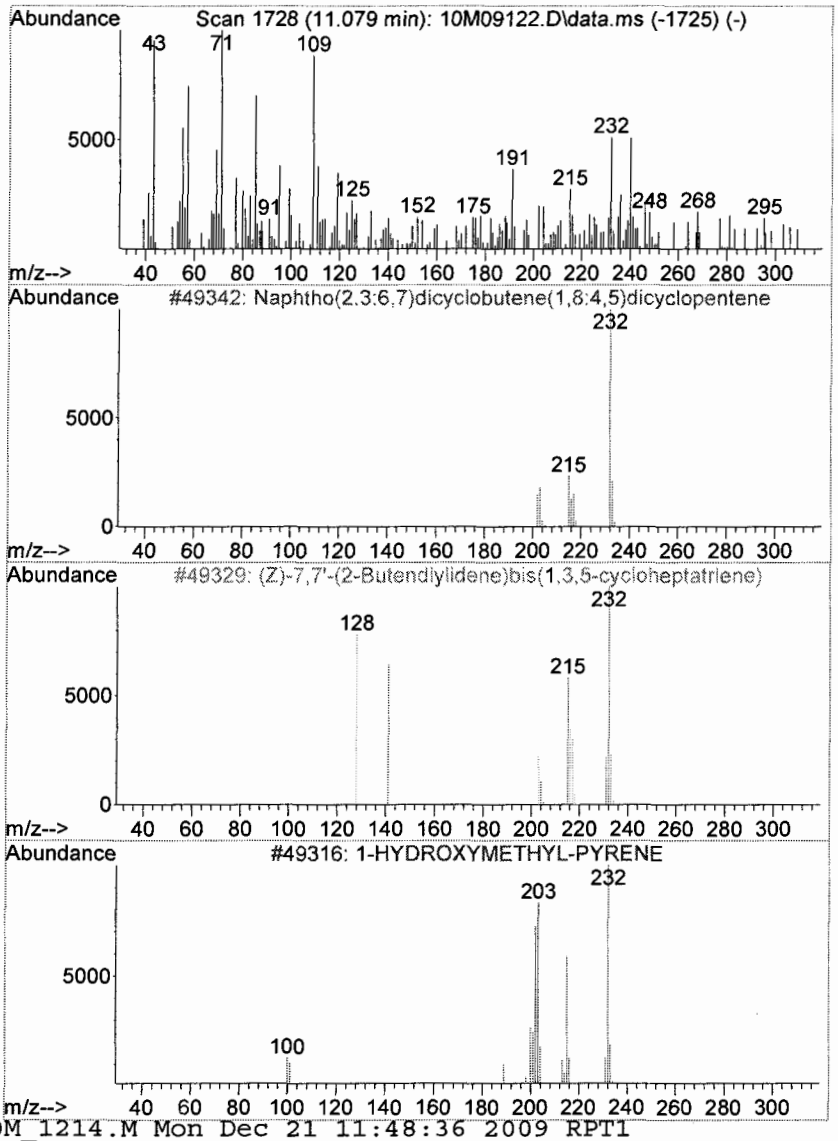
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

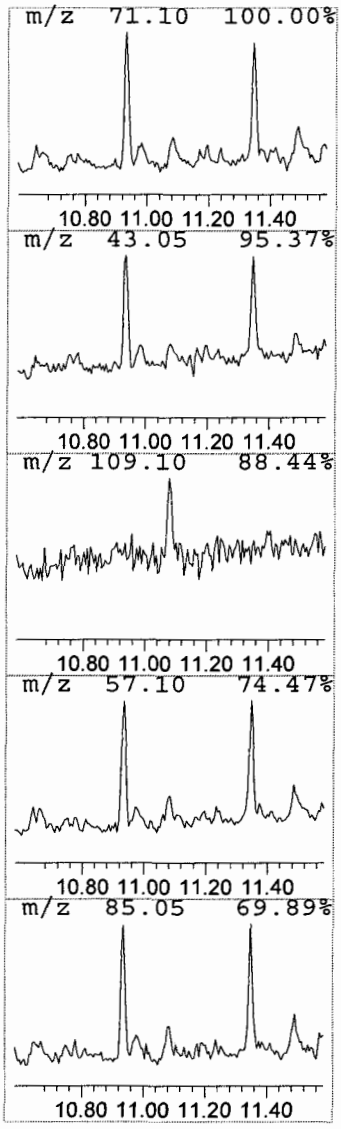
****

Peak Number 20 unknown Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	6.03 ng	99988	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho(2.3:6,7)dicyclobutene(1,...	232	C18H16	069153-85-1	35
2	(Z)-7,7'-(2-Butendiylidene)bis(1...	232	C18H16	092234-09-8	30
3	1-HYDROXYMETHYL-PYRENE	232	C17H12O	000000-00-0	25
4	Tetradecane	198	C14H30	000629-59-4	18
5	Hexadecane	226	C16H34	000544-76-3	18





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Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

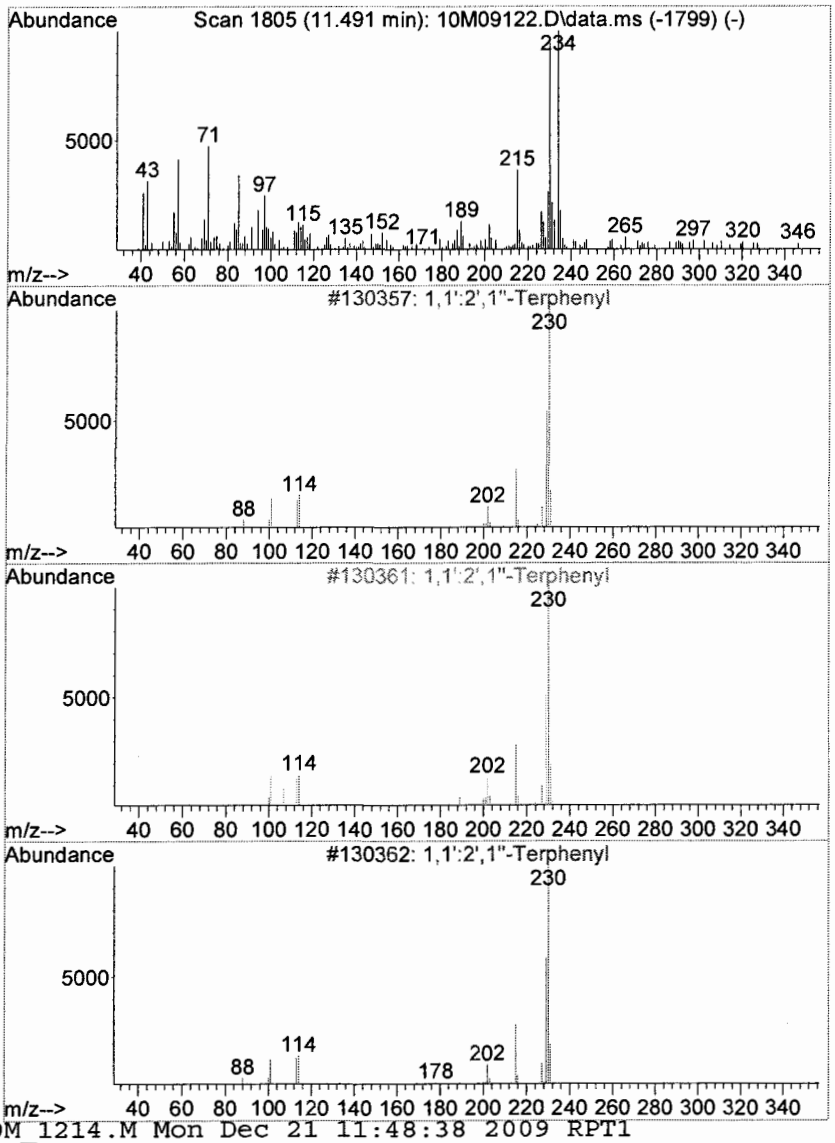
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

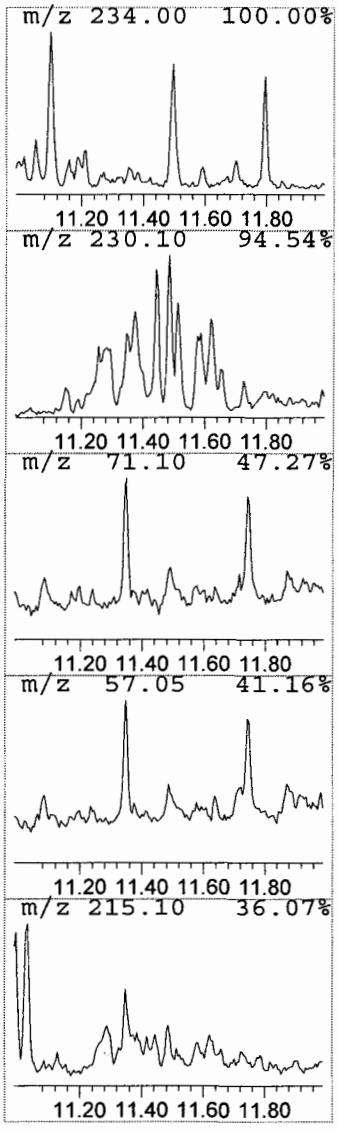
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 1,1':2',1''-Terphenyl Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	5.39 ng	89378	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	83
2	1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	83
3	1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	83
4	5,6-DIHYDROCHRYSENE	230	C18H14	002091-92-1	83
5	1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	76





Library Search Compound Report

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Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

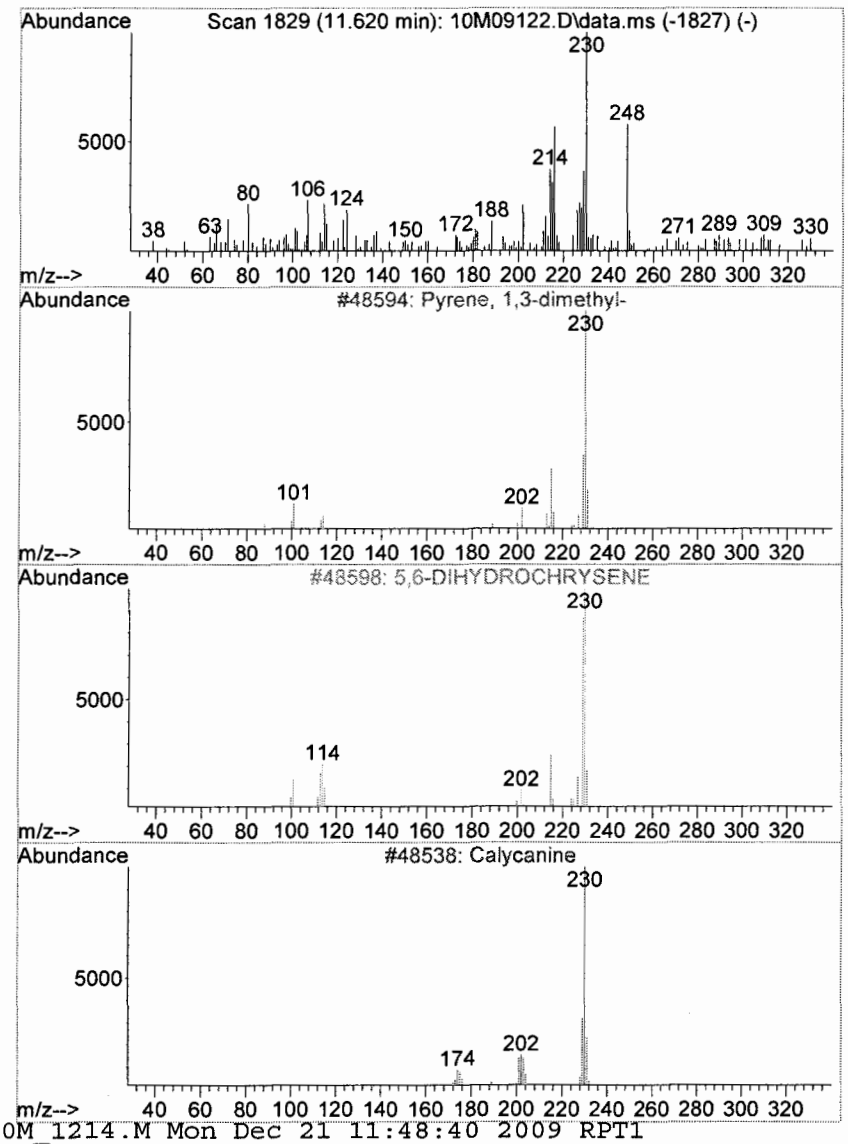
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

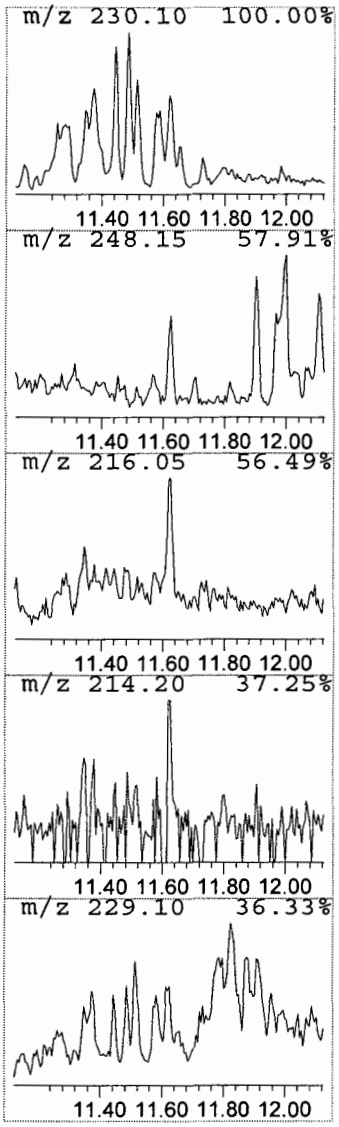
****

Peak Number 22 unknown Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	5.94 ng	98565	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	38
2	5,6-DIHYDROCHRYSENE	230	C18H14	002091-92-1	30
3	Calycanine	230	C16H10N2	000218-30-4	27
4	1,1':3',1''-Terphenyl	230	C18H14	000092-06-8	14
5	1,1':3',1''-Terphenyl	230	C18H14	000092-06-8	12





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Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

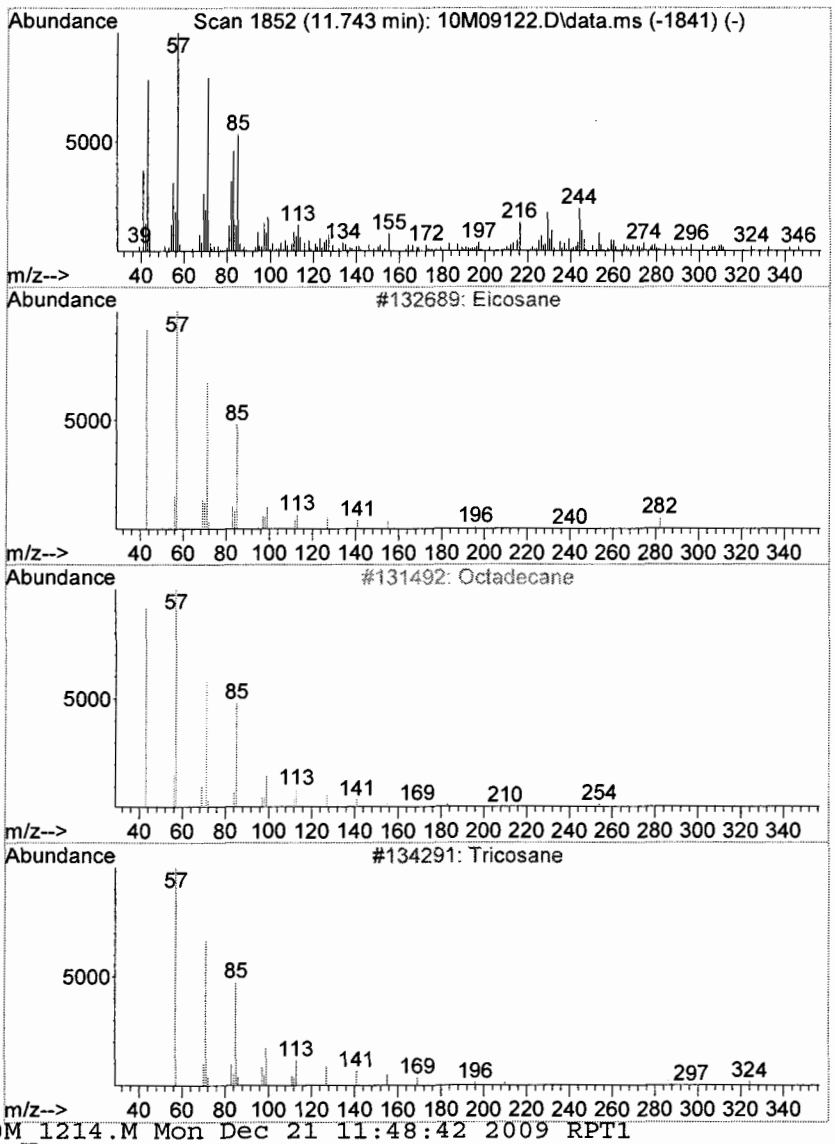
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

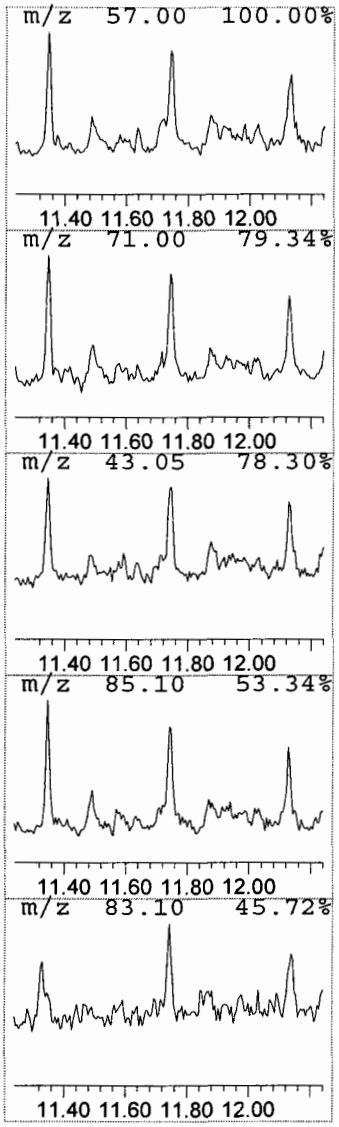
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	11.52 ng	191162	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	87
2	Octadecane	254	C18H38	000593-45-3	70
3	Tricosane	324	C23H48	000638-67-5	70
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	70
5	Docosane	310	C22H46	000629-97-0	70





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Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

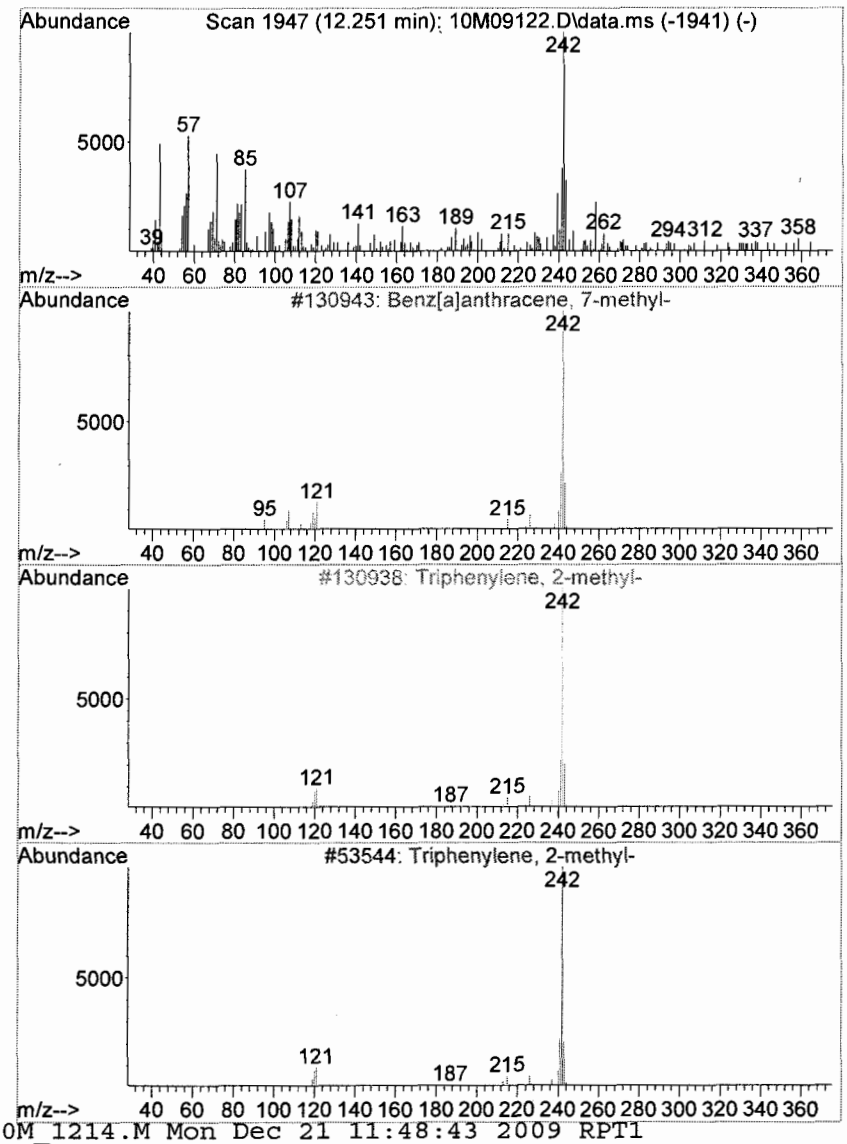
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

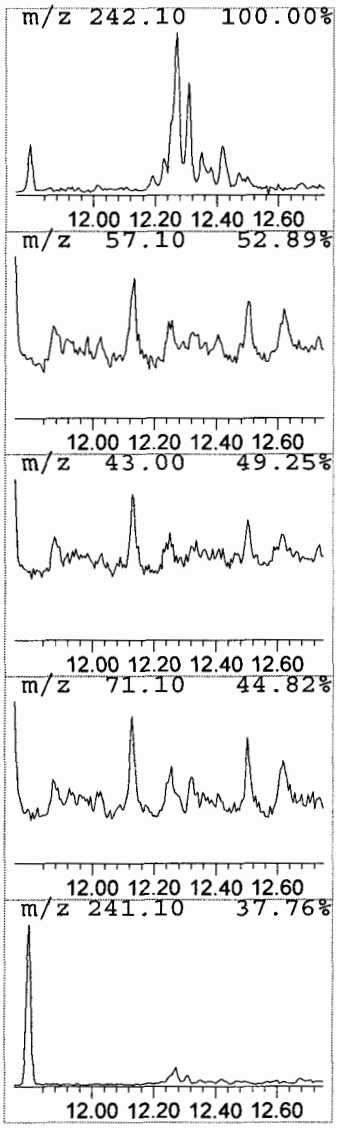
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 unknown Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	7.52 ng	124807	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	46
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	43
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	43
4	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	43
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	38





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

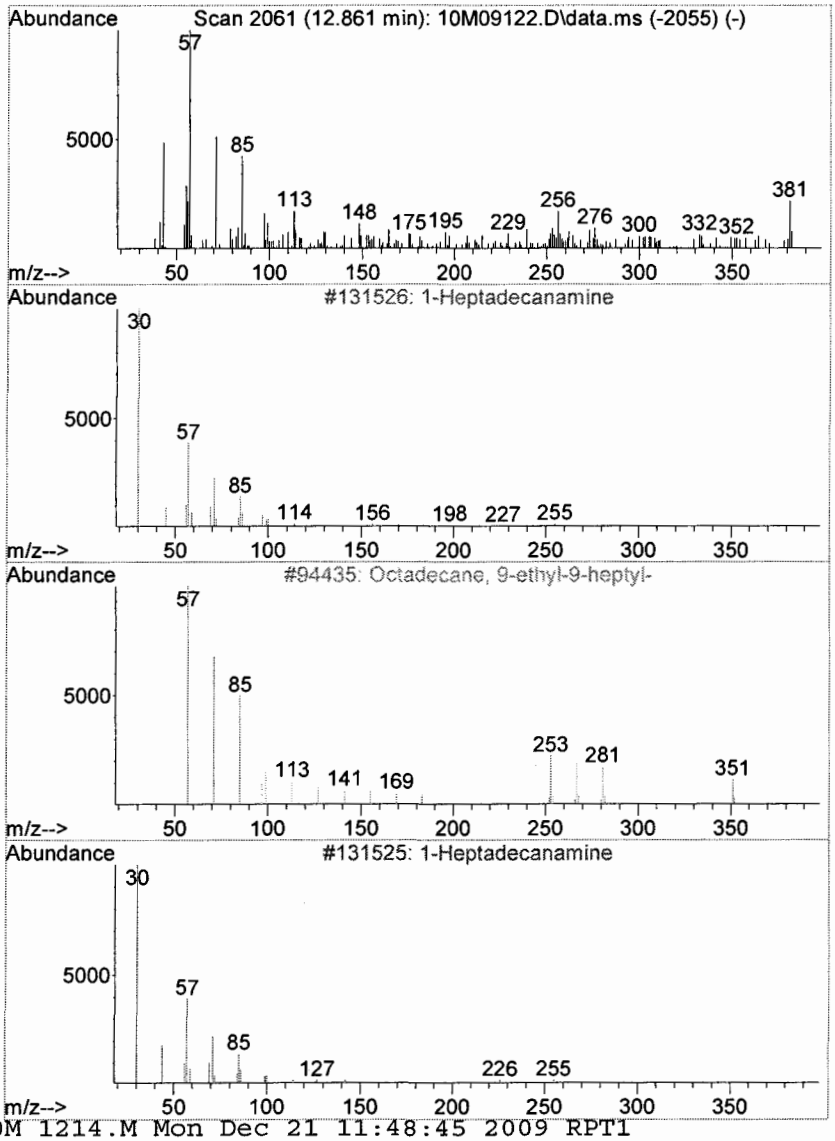
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

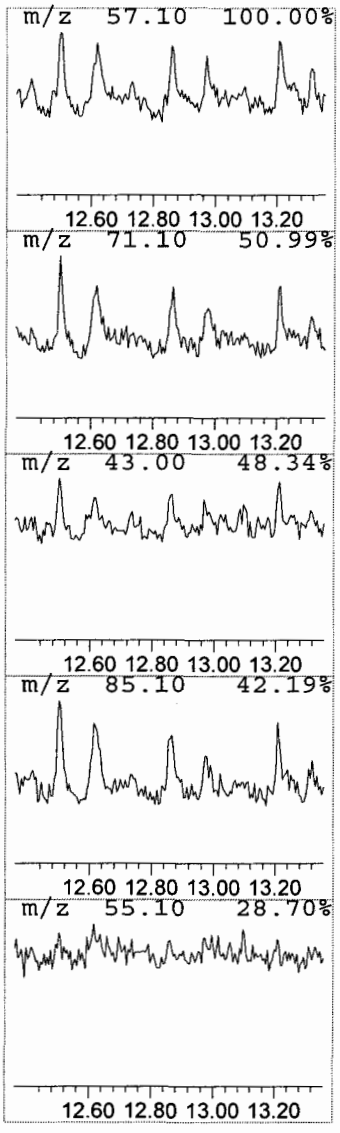
****

Peak Number 25 unknown Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	5.86 ng	95507	Perylene-d12	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptadecanamine	255	C17H37N	004200-95-7	46
2	Octadecane, 9-ethyl-9-heptyl-	380	C27H56	055282-27-4	37
3	1-Heptadecanamine	255	C17H37N	004200-95-7	27
4	1-Heptadecanamine	255	C17H37N	004200-95-7	27
5	1,9,12,15-Octadecatetraene, 1-me...	276	C19H32O	056847-00-8	12





Library Search Compound Report

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Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

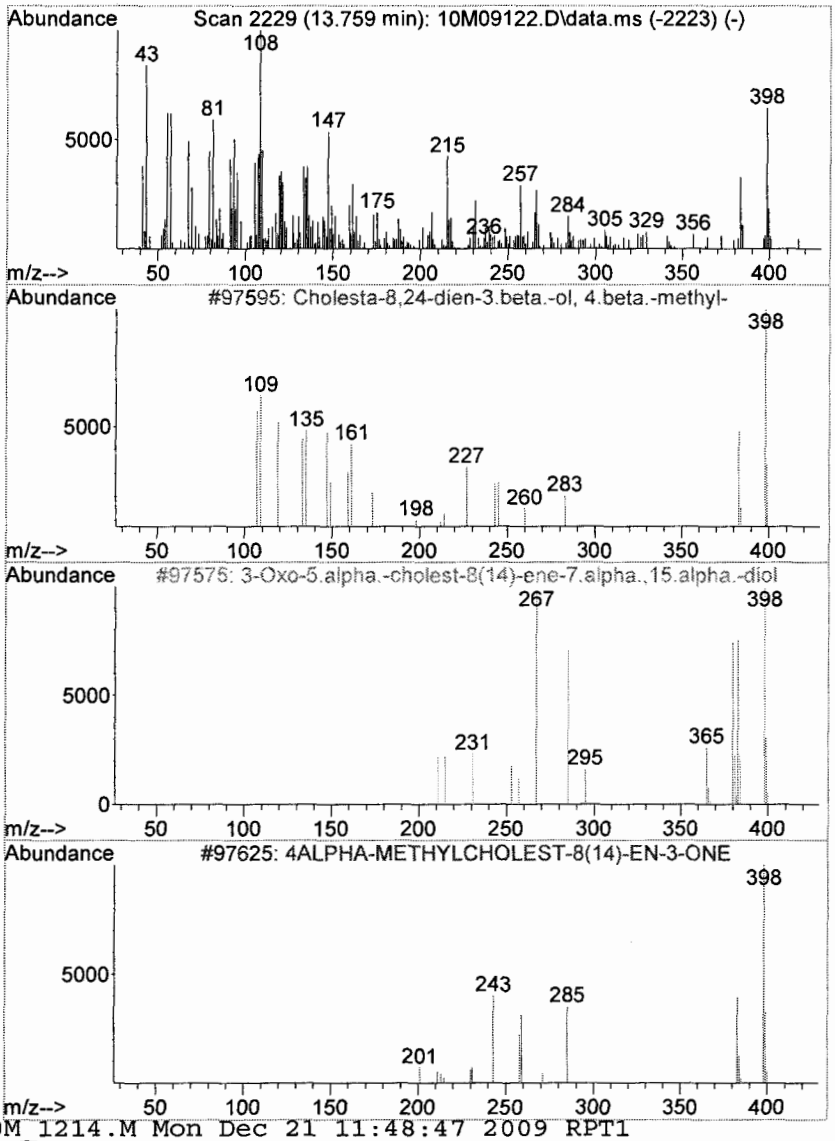
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

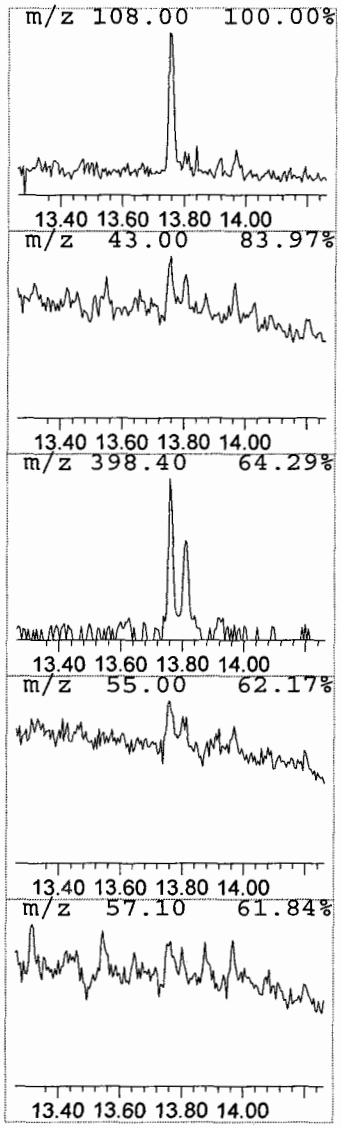
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Cholesta-8,24-dien-3.beta.-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	8.78 ng	143084	Perylene-d12	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholesta-8,24-dien-3.beta.-ol, 4...	398	C28H46O	015737-15-2	64
2	3-Oxo-5.alpha.-cholest-8(14)-ene...	398	C27H42O2	069140-07-4	47
3	4ALPHA-METHYLCHOLEST-8(14)-EN-3-ONE	398	C28H46O	082038-94-6	35
4	6-m-Ethoxyanilino-5H-benzo[a]phe...	398	C24H18N2O2S	089571-98-2	22
5	5.alpha.-Ergost-8(14)-ene	384	C28H48	006673-69-4	22





Library Search Compound Report

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Sample : AC48886-001
Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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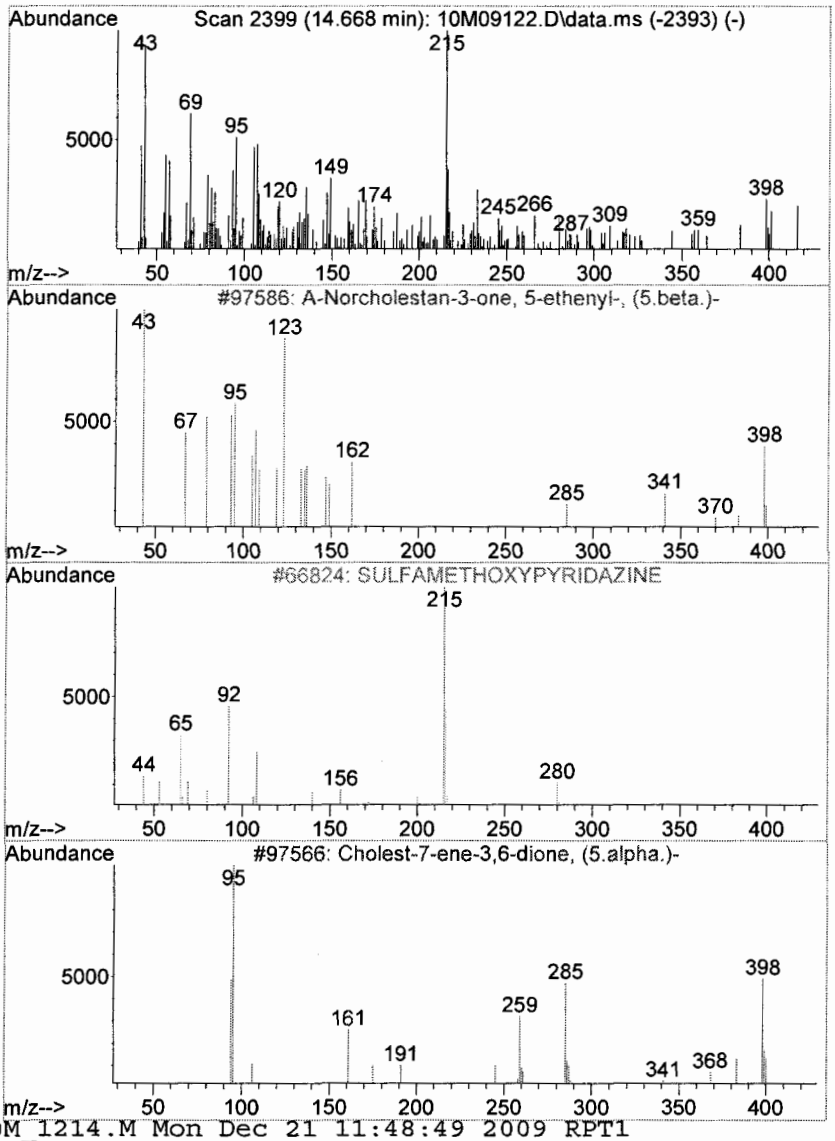
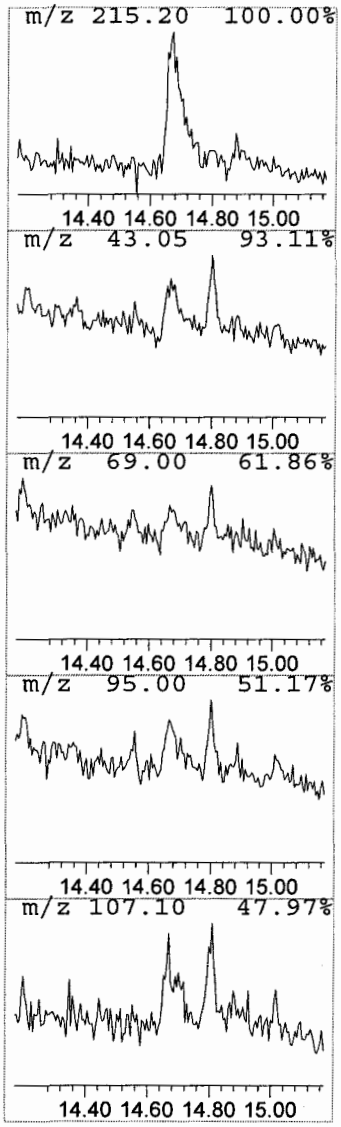
Peak Number 27 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	12.02 ng	195910	Perylene-d12	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	A-Norcholestan-3-one, 5-ethenyl-...	398	C28H46O	019594-90-2	25
2	SULFAMETHOXYPYRIDAZINE	280	C11H12N4O3S	000000-00-0	22
3	Cholest-7-ene-3,6-dione, (5.alph...	398	C27H42O2	002550-89-2	18
4	ERGOSTA-7,22-DIEN-3.BETA.-OL	398	C28H46O	000000-00-0	18
5	Chromium, pentacarbonyl(hexameth...	355	C11H18CrN3O5P	015137-66-3	17





Library Search Compound Report

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Misc : S,BNA
ALS Vial : 4 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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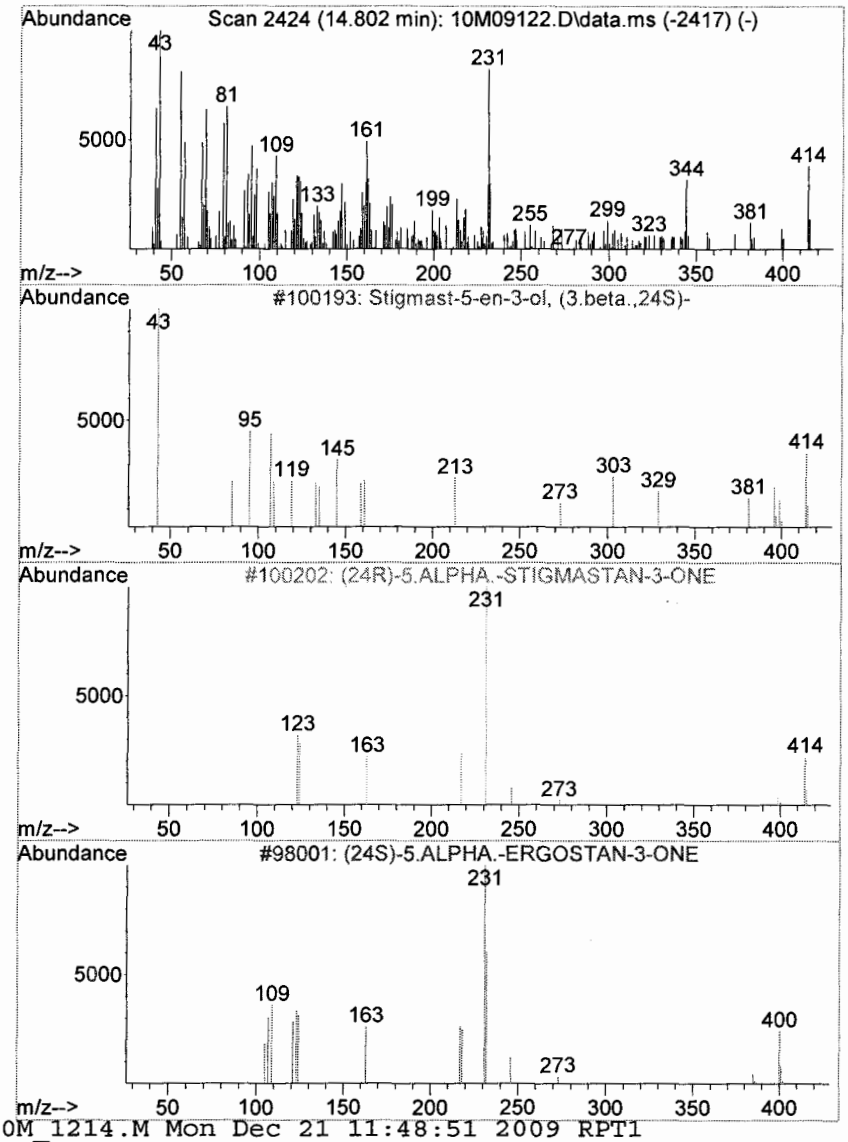
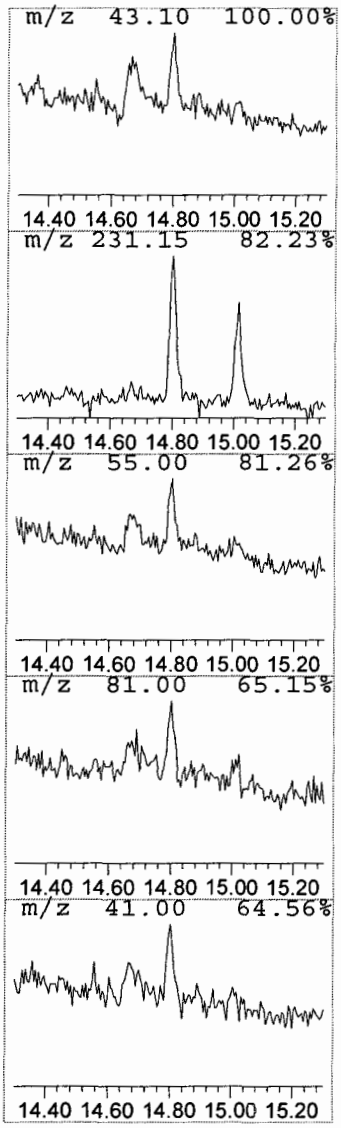
Peak Number 28 unknown Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	7.93 ng	129316	Perylene-d12	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-5-en-3-ol, (3.beta.,24S)-	414	C29H50O	000083-47-6	47
2	(24R)-5.ALPHA.-STIGMASTAN-3-ONE	414	C29H50O	005060-25-3	43
3	(24S)-5.ALPHA.-ERGOSTAN-3-ONE	400	C28H48O	059461-38-0	38
4	5.ALPHA.-STIGMAST-3-ONE	414	C29H50O	000083-46-5	37
5	(E,E,Z)-14-Methyl-16-oxabicyclo(...	232	C16H24O	000000-00-0	30





Tentatively Identified Compound (LSC) summary

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Data File : 10M09122.D
Acq On : 18 Dec 2009 13:22
Operator : AHD
Sample : AC48886-001
Misc : S,BNA
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Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.44	2526.8	ng	18719000	1 5.08	5.08	296327	40.0
Ethanol, 2-butoxy-	4.13	5.8	ng	42869	1 5.08	5.08	296327	40.0
Benzene, 1,2,4-tr...	4.93	6.5	ng	48314	1 5.08	5.08	296327	40.0
Naphthalene, 2,6-...	7.11	8.0	ng	115334	3 7.43	7.43	574213	40.0
Naphthalene, 1,5-...	7.16	6.4	ng	91499	3 7.43	7.43	574213	40.0
Pentadecane	7.39	10.8	ng	155361	3 7.43	7.43	574213	40.0
Naphthalene, 1,6,...	7.53	5.4	ng	77165	3 7.43	7.43	574213	40.0
Naphthalene, 1,4,...	7.61	5.8	ng	82973	3 7.43	7.43	574213	40.0
Naphthalene, 2,3,...	7.78	5.6	ng	80200	3 7.43	7.43	574213	40.0
Heptadecane	8.27	10.7	ng	202738	4 8.81	8.81	754387	40.0
9H-Fluorene, 2-me...	8.45	6.0	ng	112644	4 8.81	8.81	754387	40.0
Phenanthrene, 4-m...	9.34	7.5	ng	140863	4 8.81	8.81	754387	40.0
Anthracene, 9-met...	9.37	5.8	ng	109241	4 8.81	8.81	754387	40.0
Phenanthrene, 2,5...	9.87	11.7	ng	221005	4 8.81	8.81	754387	40.0
Phenanthrene, 2,5...	9.95	8.9	ng	167260	4 8.81	8.81	754387	40.0
Phenanthrene, 2,5...	9.98	8.9	ng	167317	4 8.81	8.81	754387	40.0
Hexadecane	10.07	9.2	ng	172809	4 8.81	8.81	754387	40.0
Octadecane	10.51	6.4	ng	106487	5 11.80	11.80	663598	40.0
Octadecane	10.94	6.6	ng	110130	5 11.80	11.80	663598	40.0
unknown	11.08	6.0	ng	99988	5 11.80	11.80	663598	40.0
1,1':2',1''-Terph...	11.49	5.4	ng	89378	5 11.80	11.80	663598	40.0
unknown	11.62	5.9	ng	98565	5 11.80	11.80	663598	40.0
Eicosane	11.74	11.5	ng	191162	5 11.80	11.80	663598	40.0
unknown	12.25	7.5	ng	124807	5 11.80	11.80	663598	40.0
unknown	12.86	5.9	ng	95507	6 13.38	13.38	651938	40.0
Cholesta-8,24-die...	13.76	8.8	ng	143084	6 13.38	13.38	651938	40.0
unknown	14.67	12.0	ng	195910	6 13.38	13.38	651938	40.0
unknown	14.80	7.9	ng	129316	6 13.38	13.38	651938	40.0

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC48886-002
Client Id: PI-01-TP-RAN1-121109SS
Data File: 10M09123.D
Analysis Date: 12/18/09 13:44
Date Rec/Extracted: 12/14/09-12/17/09
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 54

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.12	U	207-08-9	Benzo[k]fluoranthene	0.12	U
122-66-7	1,2-Diphenylhydrazine	0.12	U	65-85-0	Benzoic Acid	0.62	U
95-95-4	2,4,5-Trichlorophenol	0.12	U	88-06-2	2,4,6-Trichlorophenol	0.12	U
111-91-1	bis(2-Chloroethoxy)methan	0.12	U	120-83-2	2,4-Dichlorophenol	0.12	U
111-44-4	bis(2-Chloroethyl)ether	0.12	U	105-67-9	2,4-Dimethylphenol	0.12	U
108-60-1	bis(2-chloroisopropyl)ether	0.12	U	51-28-5	2,4-Dinitrophenol	0.62	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U	121-14-2	2,4-Dinitrotoluene	0.12	U
85-68-7	Butylbenzylphthalate	0.12	U	606-20-2	2,6-Dinitrotoluene	0.12	U
86-74-8	Carbazole	0.12	U	91-58-7	2-Chloronaphthalene	0.12	U
218-01-9	**Chrysene**	**0.12**	**0.21**	95-57-8	2-Chlorophenol	0.12	U
53-70-3	Dibenzo[a,h]anthracene	0.12	U	**91-57-6**	**2-Methylnaphthalene**	**0.12**	**1.4**
132-64-9	Dibenzofuran	0.12	U	95-48-7	2-Methylphenol	0.12	U
84-66-2	Diethylphthalate	0.12	U	88-74-4	2-Nitroaniline	0.12	U
131-11-3	Dimethylphthalate	0.12	U	88-75-5	2-Nitrophenol	0.12	U
84-74-2	Di-n-butylphthalate	0.12	U	106-44-5	3&4-Methylphenol	0.12	U
117-84-0	Di-n-octylphthalate	0.12	U	91-94-1	3,3'-Dichlorobenzidine	0.12	U
206-44-0	**Fluoranthene**	**0.12**	**0.15**	99-09-2	3-Nitroaniline	0.12	U
86-73-7	**Fluorene**	**0.12**	**0.18**	534-52-1	4,6-Dinitro-2-methylphenol	0.62	U
118-74-1	Hexachlorobenzene	0.12	U	101-55-3	4-Bromophenyl-phenylether	0.12	U
87-68-3	Hexachlorobutadiene	0.12	U	59-50-7	4-Chloro-3-methylphenol	0.12	U
77-47-4	Hexachlorocyclopentadiene	0.62	U	106-47-8	4-Chloroaniline	0.12	U
67-72-1	Hexachloroethane	0.12	U	7005-72-3	4-Chlorophenyl-phenylether	0.12	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.12	U	100-01-6	4-Nitroaniline	0.12	U
78-59-1	Isophorone	0.12	U	100-02-7	4-Nitrophenol	0.12	U
91-20-3	Naphthalene	0.12	U	**83-32-9**	**Acenaphthene**	**0.12**	**0.12**
98-95-3	Nitrobenzene	0.12	U	208-96-8	Acenaphthylene	0.12	U
62-75-9	N-Nitrosodimethylamine	0.12	U	62-53-3	Aniline	0.12	U
621-64-7	N-Nitroso-di-n-propylamine	0.12	U	**120-12-7**	**Anthracene**	**0.12**	**0.14**
86-30-6	n-Nitrosodiphenylamine	0.12	U	92-87-5	Benzidine	0.62	U
87-86-5	Pentachlorophenol	0.62	U	**56-55-3**	**Benzo[a]anthracene**	**0.12**	**0.14**
85-01-8	**Phenanthrene**	**0.12**	**0.89**	50-32-8	Benzo[a]pyrene	0.12	U
108-95-2	Phenol	0.12	U	205-99-2	Benzo[b]fluoranthene	0.12	U
129-00-0	**Pyrene**	**0.12**	**0.52**	191-24-2	Benzo[g,h,i]perylene	0.12	U

Worksheet #: 138525

Total Target Concentration 3.8

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC48886-002
Client Id: PI-01-TP-RAN1-121109
Data File: 10M09123.D
Analysis Date: 12/18/09 13:44
Date Rec/Extracted: 12/14/09-12/17/09

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 54
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.44	140 JAB
2	90-12-0	Naphthalene, 1-methyl-	6.71	0.86 J
3	939-27-5	Naphthalene, 2-ethyl-	7.05	0.59 J
4	571-61-9	Naphthalene, 1,5-dimethyl-	7.11	1.1 J
5	581-40-8	Naphthalene, 2,3-dimethyl-	7.16	1.6 J
6	2027-17-0	Naphthalene, 2-(1-methylethyl)-	7.53	0.64 J
7	2131-42-2	Naphthalene, 1,4,6-trimethyl-	7.61	0.64 J
8	2131-41-1	Naphthalene, 1,4,5-trimethyl-	7.78	0.61 J
9		unknown	7.97	0.56 J
10	1430-97-3	9H-Fluorene, 2-methyl-	8.45	0.63 J
11	832-64-4	Phenanthrene, 4-methyl-	9.34	0.66 J
12	87221-28-1	(E)-6-Ethylidene-6H-dibenzo[b,d]thiopyr	9.37	0.70 J
13	85858-62-4	Methyl 5-(2,4-dichlorophenoxy)methyl-3-	9.45	0.91 J
14		unknown	9.84	0.63 J
15	1576-69-8	Phenanthrene, 2,7-dimethyl-	9.87	0.88 J
16	781-43-1	Anthracene, 9,10-dimethyl-	9.96	0.95 J
17	5522-01-0	2H-1,4-Benzothiazin-3(4H)-one, 4-hydro	10.19	0.48 J
18	3674-73-5	Phenanthrene, 2,3,5-trimethyl-	10.47	0.71 J
19	238-84-6	11H-Benzo[a]fluorene	10.77	0.62 J
20	64401-21-4	Pyrene, 1,3-dimethyl-	11.49	0.70 J
21		unknown	11.74	0.62 J
22		unknown	13.10	0.86 J
23	40071-65-6	Cholest-7-ene, (5.alpha.)-	13.15	0.72 J
24	6673-69-4	5.alpha.-Ergost-8(14)-ene	13.76	0.91 J
25		unknown	14.81	0.86 J

Worksheet #: 138525

Total Tentatively Identified Concentration 160

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Quantitation Report (QT/LSC Reviewed)

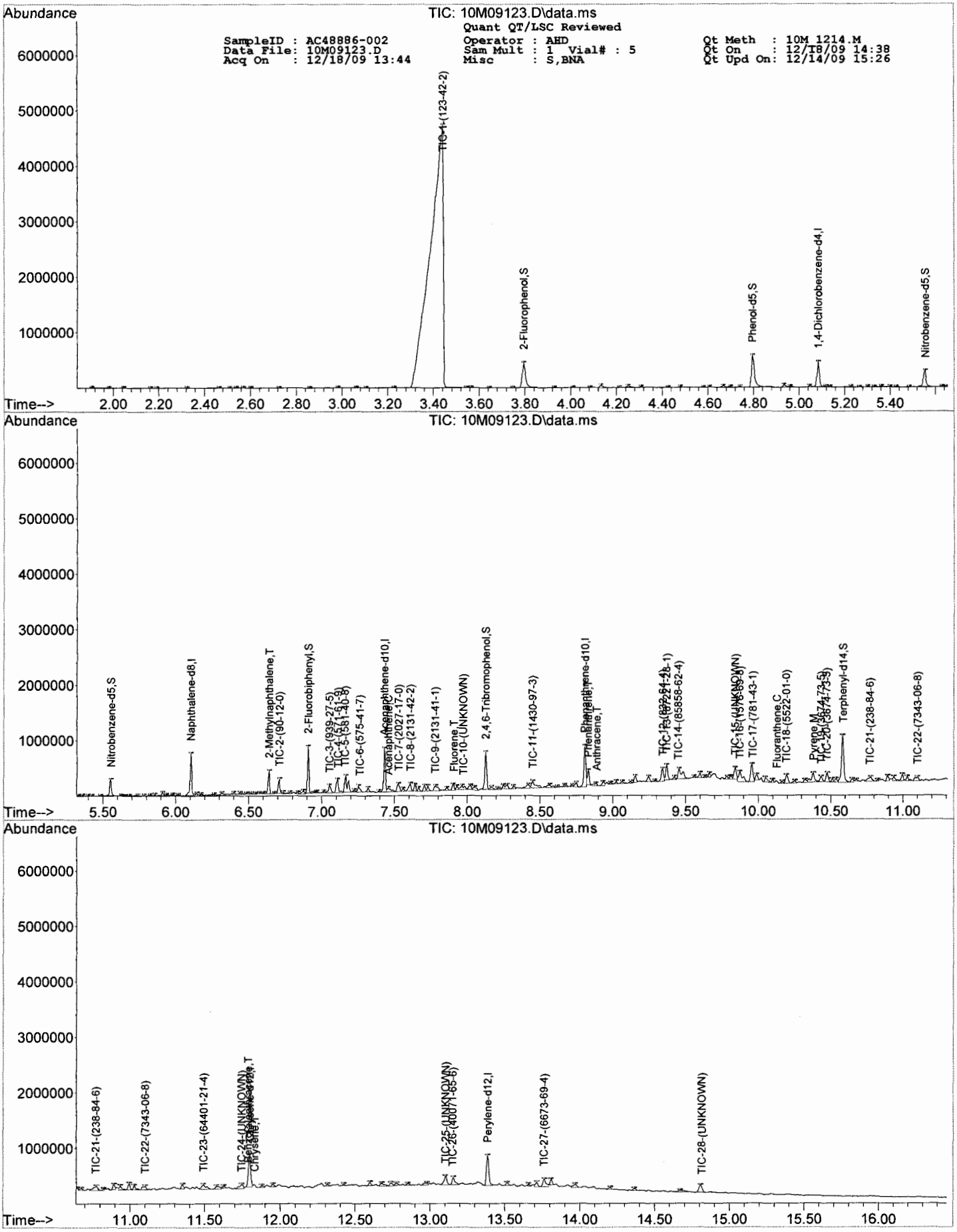
SampleID : AC48886-002 Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09123.D Sam Mult : 1 Vial# : 5 Qt On : 12/18/09 14:38
Acq On : 12/18/09 13:44 Misc : S,BNA Qt Upd On: 12/14/09 15:26

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.083	152	53883	40.00	ng	-0.14
23) Naphthalene-d8	6.105	136	215691	40.00	ng	-0.14
41) Acenaphthene-d10	7.432	164	136460	40.00	ng	-0.16
67) Phenanthrene-d10	8.806	188	245204	40.00	ng	-0.17
81) Chrysene-d12	11.796	240	225178	40.00	ng	-0.19
96) Perylene-d12	13.385	264	214579	40.00	ng	-0.19
System Monitoring Compounds						
4) 2-Fluorophenol	3.794	112	129123	86.12	ng	-0.18
Spiked Amount 100.000			Recovery = 86.12%			
9) Phenol-d5	4.795	99	180195	82.85	ng	-0.14
Spiked Amount 100.000			Recovery = 82.85%			
24) Nitrobenzene-d5	5.554	128	35678	39.96	ng	-0.14
Spiked Amount 50.000			Recovery = 79.92%			
46) 2-Fluorobiphenyl	6.907	172	188666	40.15	ng	-0.14
Spiked Amount 50.000			Recovery = 80.30%			
70) 2,4,6-Tribromophenol	8.127	330	66831	94.04	ng	-0.17
Spiked Amount 100.000			Recovery = 94.04%			
84) Terphenyl-d14	10.582	244	280685	44.08	ng	-0.18
Spiked Amount 50.000			Recovery = 88.16%			
Target Compounds						Qvalue
38) 2-Methylnaphthalene	6.640	142	89598	22.00	ng	96
55) Acenaphthene	7.458	153	8684	2.02	ng	86
62) Fluorene	7.908	166	14534	2.87	ng	94
76) Phenanthrene	8.828	178	108261	14.49	ng	98
77) Anthracene	8.886	178	17101	2.25	ng	97
80) Fluoranthene	10.127	202	20224	2.43	ng	84
82) Pyrene	10.379	202	72071	8.38	ng	83
93) Benzo[a]anthracene	11.785	228	18926	2.28	ng	84
94) Chrysene	11.828	228	26996	3.44	ng	91
Library Search Compounds						
1) 123-42-2	3.440		18484200	2295.05	ng	47
2) 90-12-0	6.710		193574	14.00	ng	93
3) 939-27-5	7.050		152136	9.52	ng	97
4) 571-61-9	7.110		291925	18.26	ng	98
5) 581-40-8	7.160		405577	25.37	ng	97
6) 575-41-7	7.260		116882	7.31	ng	97
7) 2027-17-0	7.530		164530	10.29	ng	87
8) 2131-42-2	7.610		164652	10.30	ng	96
9) 2131-41-1	7.780		157950	9.88	ng	95
10) UNKNOWN	7.970		146188	9.14	ng	--
11) 1430-97-3	8.450		239328	10.27	ng	55
12) 832-64-4	9.340		247733	10.63	ng	83
13) 87221-28-1	9.370		263233	11.30	ng	83
14) 85858-62-4	9.450		345229	14.82	ng	70
15) UNKNOWN	9.840		236313	10.14	ng	--
16) 1576-69-8	9.870		331574	14.23	ng	95
17) 781-43-1	9.960		357841	15.36	ng	91
18) 5522-01-0	10.190		179959	7.72	ng	90
19) 3674-73-5	10.430		115017	7.48	ng	86
20) 3674-73-5	10.470		177328	11.53	ng	81
21) 238-84-6	10.770		154599	10.05	ng	76
22) 7343-06-8	11.100		118269	7.69	ng	78
23) 64401-21-4	11.490		174475	11.34	ng	50
24) UNKNOWN	11.740		155201	10.09	ng	--
25) UNKNOWN	13.100		200618	13.92	ng	--
26) 40071-65-6	13.150		169197	11.74	ng	64
27) 6673-69-4	13.760		213455	14.81	ng	68
28) UNKNOWN	14.810		200880	13.93	ng	--

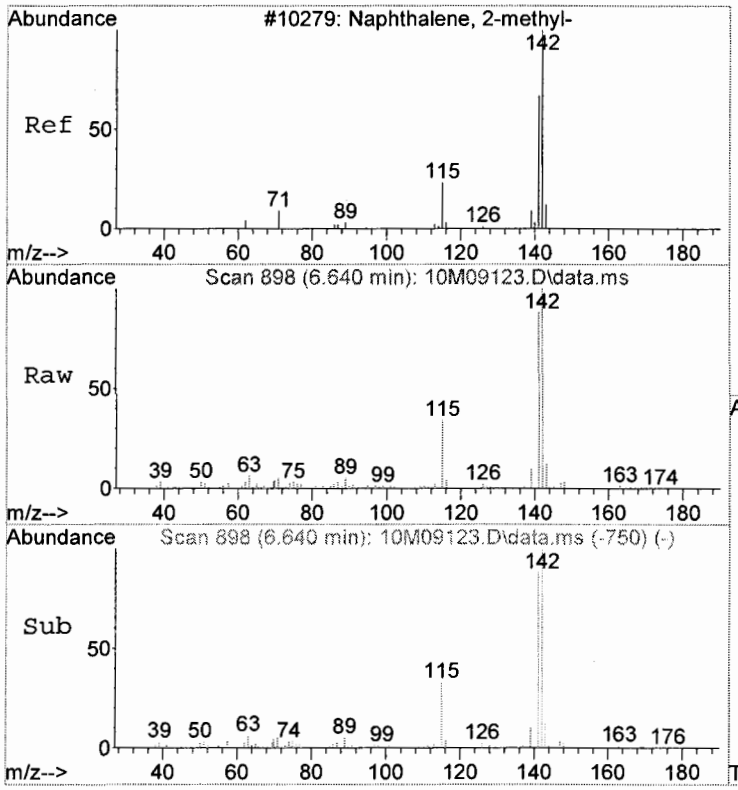
(#) = qualifier out of range (m) = manual integration (+) = signals summed

16


Abundance
TIC: 10M09123.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC48886-002
Data File: 10M09123.D
Acq On : 12/18/09 13:44
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : S,BNA
Qt Meth : 10M_1214.M
Qt On : 12/18/09 14:38
Qt Upd On: 12/14/09 15:26
TIC-4-(123-42-2)
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Time-->

Abundance
TIC: 10M09123.D\data.ms
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Methylnaphthalene,T
TIC-2-(90-12-0)
2-Fluorobiphenyl,S
TIC-6-(575-41-7)
Acenaphthene-d10,I
TIC-7-(2027-17-0)
TIC-8-(2131-42-2)
TIC-9-(2131-41-1)
Fluorene,T
TIC-10-(UNKNOWN)
2,4,6-Tribromophenol,S
TIC-11-(1430-97-3)
Phenanthrene-d10,I
Anthracene,T
TIC-14-(85858-62-4)
TIC-17-(781-43-1)
Fluoranthene,C
TIC-18-(5522-01-0)
Terphenyl-d14,S
TIC-21-(238-84-6)
TIC-22-(7343-06-8)
Time-->

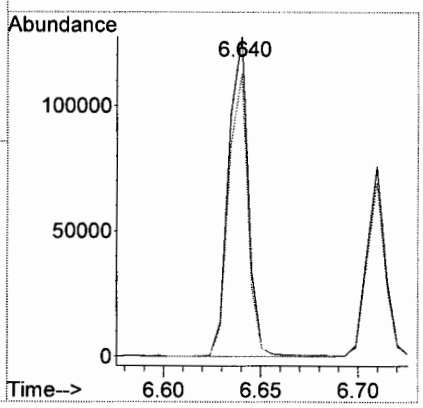
Abundance
TIC: 10M09123.D\data.ms
TIC-21-(238-84-6)
TIC-22-(7343-06-8)
TIC-23-(64401-21-4)
TIC-24-(UNKNOWN)
Chrysene,T
TIC-25-(UNKNOWN)
TIC-26-(40071-65-6)
Perylene-d12,I
TIC-27-(6673-69-4)
TIC-28-(UNKNOWN)
Time-->

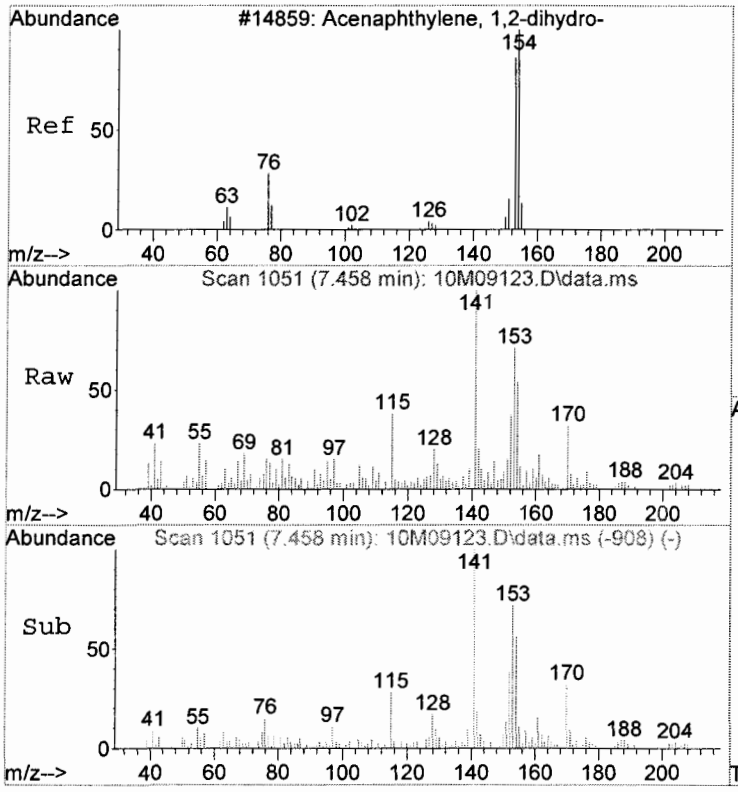


#38
2-Methylnaphthalene
Concen: 22.00 ng
RT: 6.640 min Scan# 898
Delta R.T. -0.134 min
Lab File: 10M09123.D
Acq: 18 Dec 2009 13:44

Tgt Ion:142 Resp: 89598

Ion	Ratio	Lower	Upper
142	100		
141	88.5	44.6	124.6

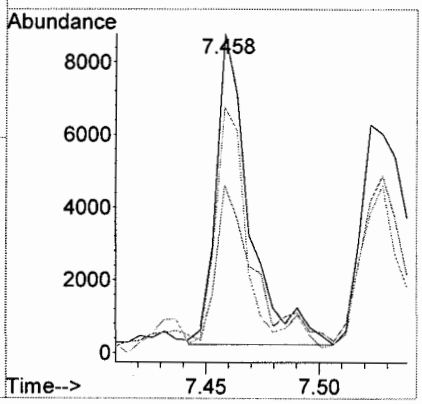


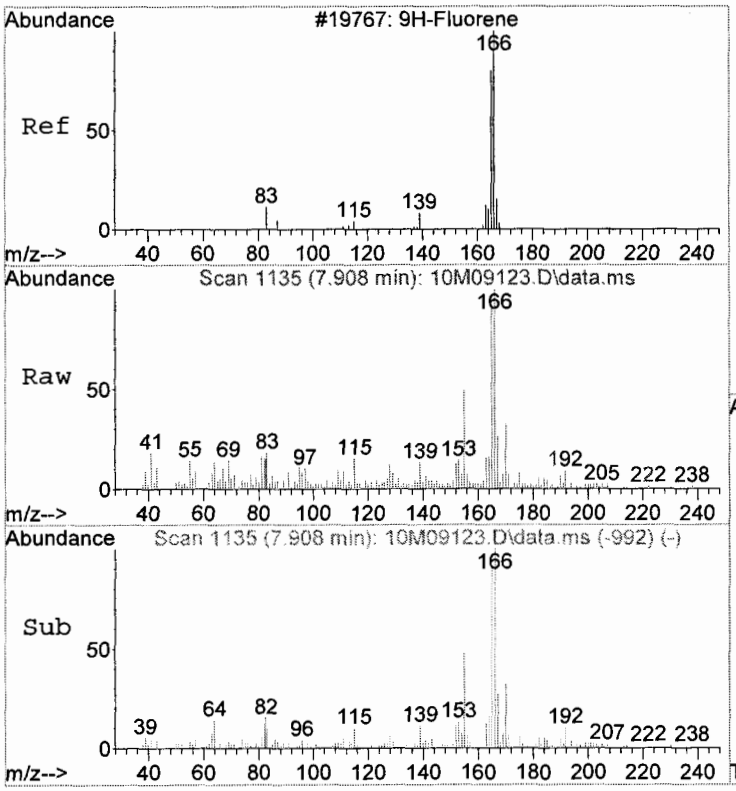


#55
Acenaphthene
Concen: 2.02 ng
RT: 7.458 min Scan# 1051
Delta R.T. -0.160 min
Lab File: 10M09123.D
Acq: 18 Dec 2009 13:44

Tgt Ion:153 Resp: 8684

Ion	Ratio	Lower	Upper
153	100		
152	50.1	10.0	90.0
154	76.2	57.5	137.5

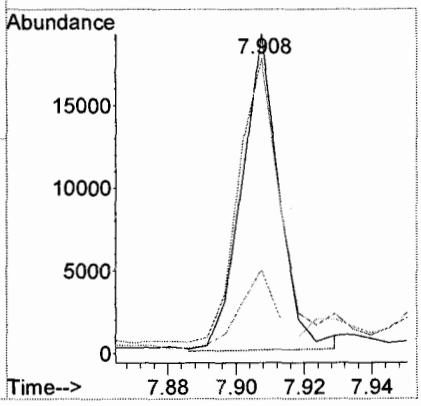


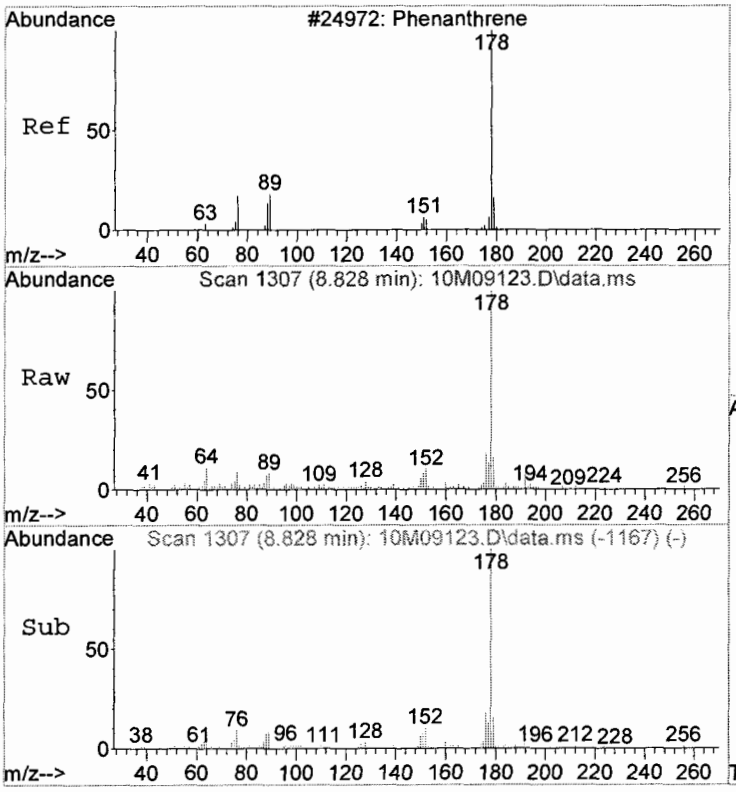


#62
Fluorene
Concen: 2.87 ng
RT: 7.908 min Scan# 1135
Delta R.T. -0.160 min
Lab File: 10M09123.D
Acq: 18 Dec 2009 13:44

Tgt Ion:166 Resp: 14534

Ion	Ratio	Lower	Upper
166	100		
165	89.9	0.0	292.6
167	24.9	0.0	213.2

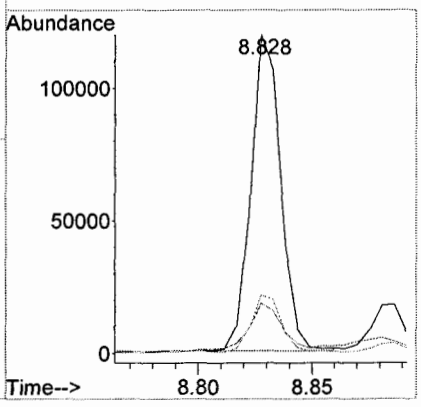


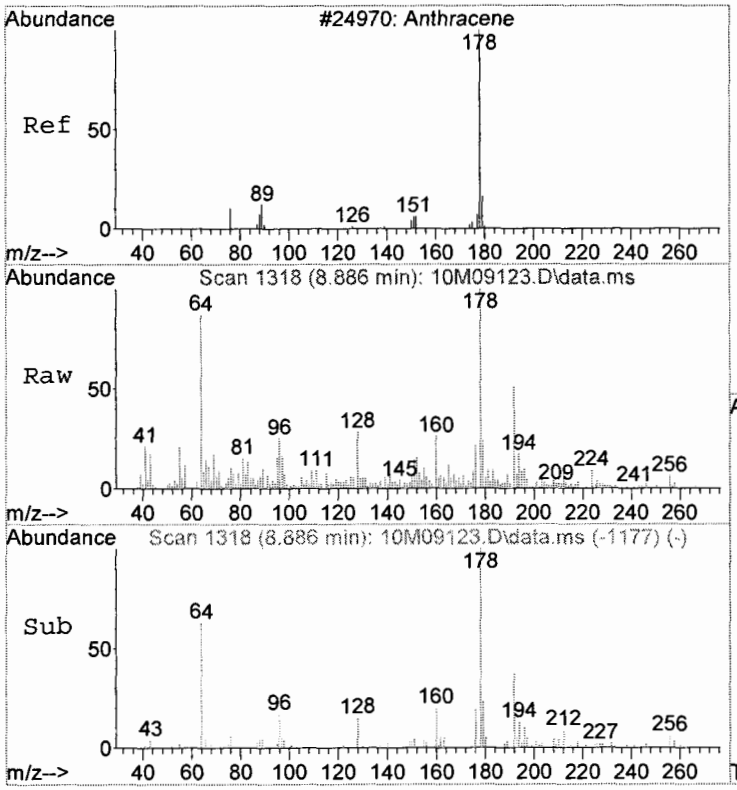


#76
Phenanthrene
Concen: 14.49 ng
RT: 8.828 min Scan# 1307
Delta R.T. -0.177 min
Lab File: 10M09123.D
Acq: 18 Dec 2009 13:44

Tgt Ion:178 Resp: 108261

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	55.5
176	17.8	0.0	59.3

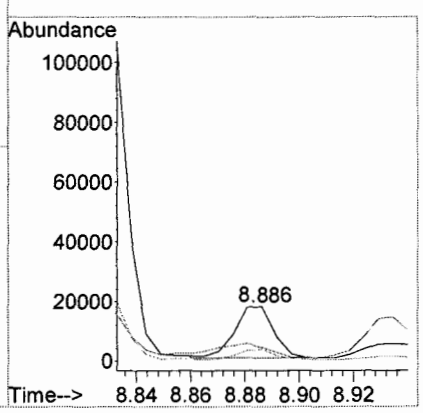


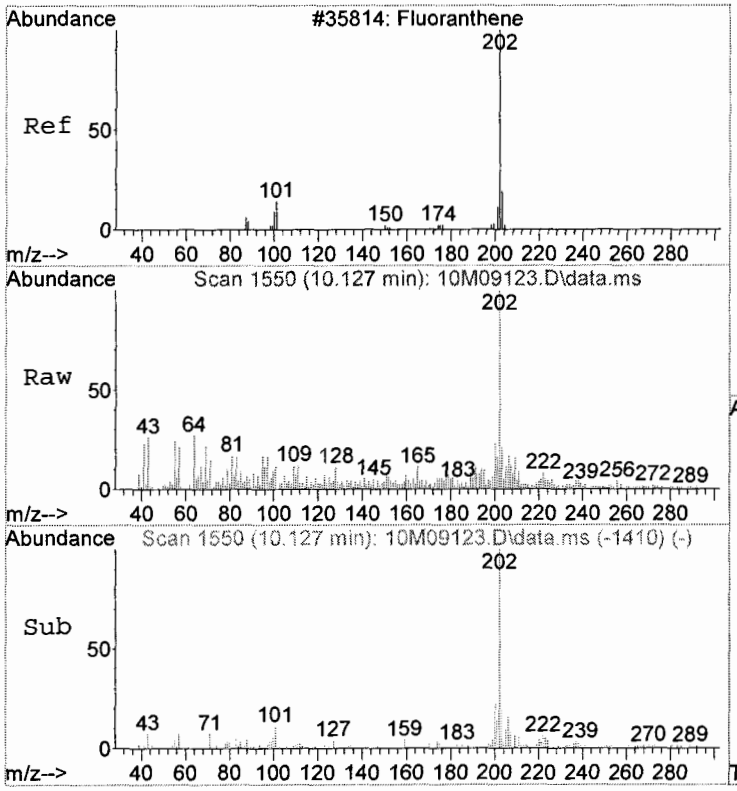


#77
Anthracene
Concen: 2.25 ng
RT: 8.886 min Scan# 1318
Delta R.T. -0.171 min
Lab File: 10M09123.D
Acq: 18 Dec 2009 13:44

Tgt Ion:178 Resp: 17101

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	55.2
176	20.5	0.0	58.1

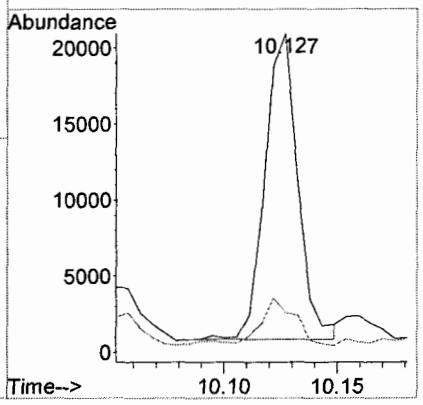


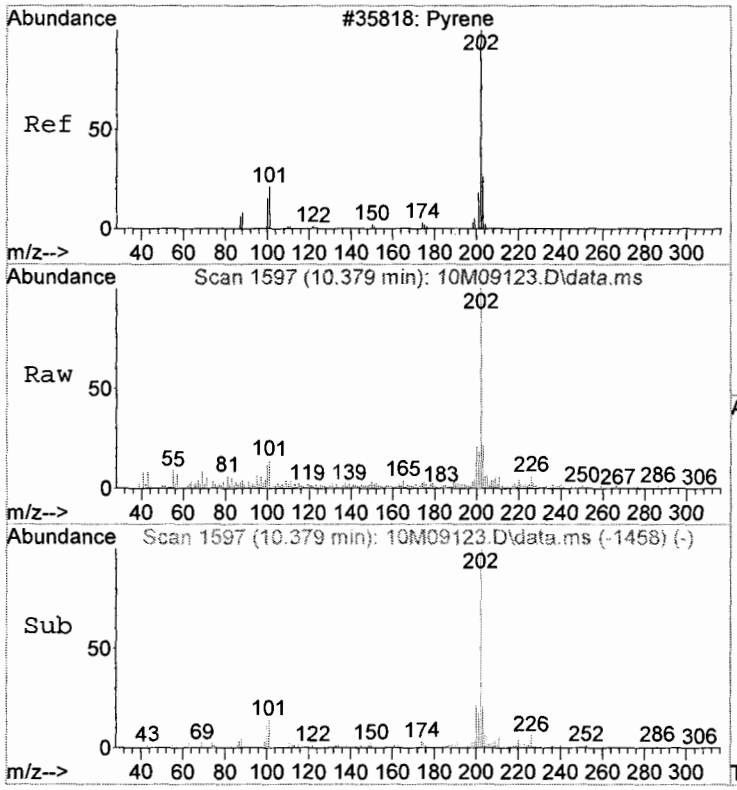


#80
Fluoranthene
Concen: 2.43 ng
RT: 10.127 min Scan# 1550
Delta R.T. -0.177 min
Lab File: 10M09123.D
Acq: 18 Dec 2009 13:44

Tgt Ion:202 Resp: 20224

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	57.6

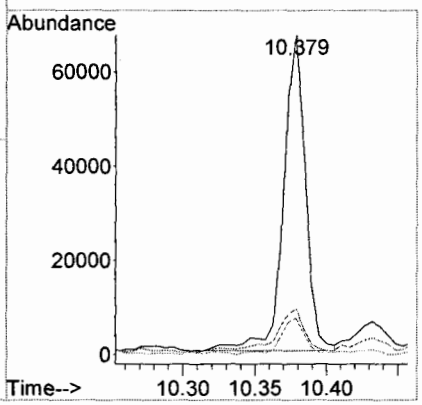


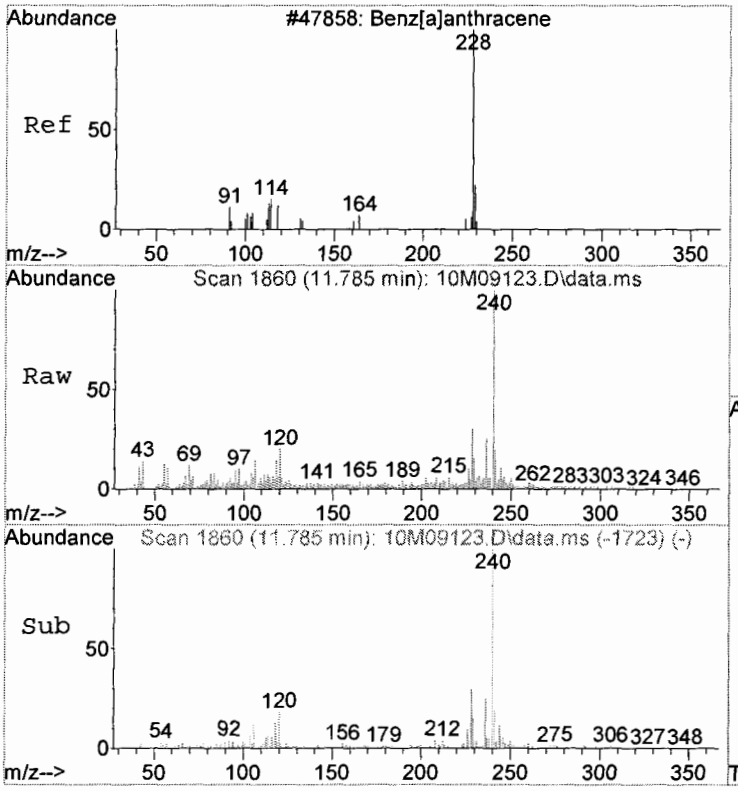


#82
Pyrene
Concen: 8.38 ng
RT: 10.379 min Scan# 1597
Delta R.T. -0.182 min
Lab File: 10M09123.D
Acq: 18 Dec 2009 13:44

Tgt Ion:202 Resp: 72071

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	62.2
100	10.9	0.0	57.8

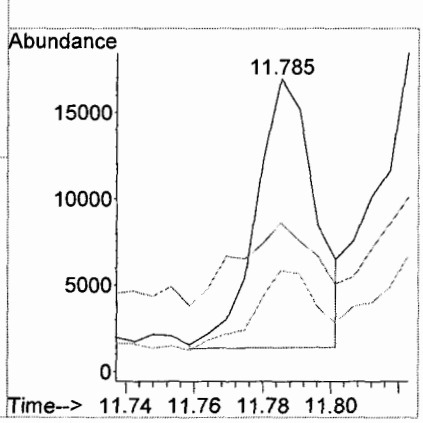


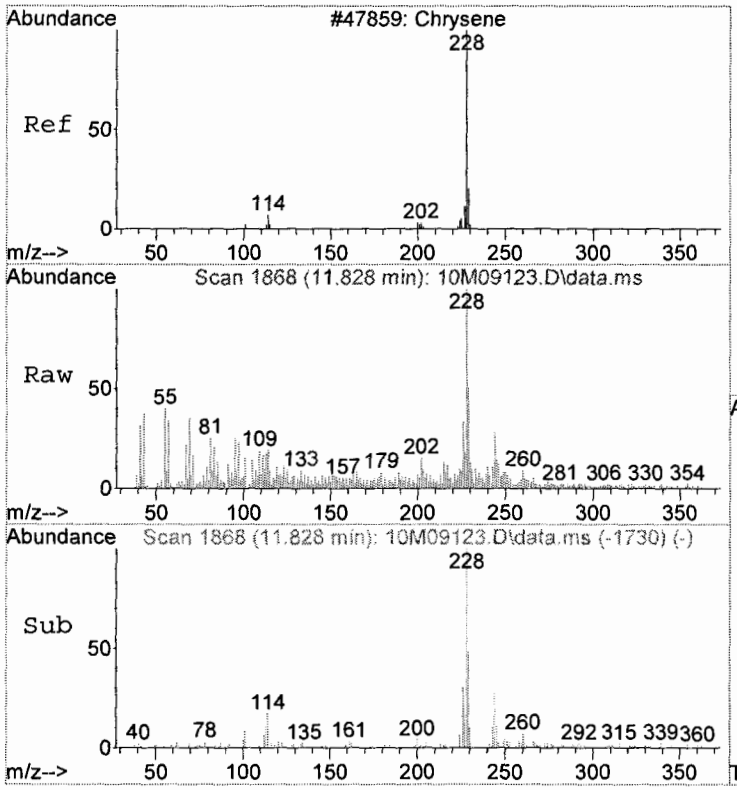


#93
Benzo[a]anthracene
Concen: 2.28 ng
RT: 11.785 min Scan# 1860
Delta R.T. -0.187 min
Lab File: 10M09123.D
Acq: 18 Dec 2009 13:44

Tgt Ion:228 Resp: 18926

Ion	Ratio	Lower	Upper
228	100		
229	31.2	0.0	59.5
226	30.1	0.0	66.0

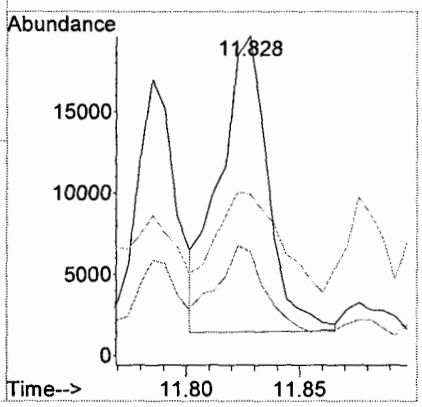




#94
Chrysene
Concen: 3.44 ng
RT: 11.828 min Scan# 1868
Delta R.T. -0.187 min
Lab File: 10M09123.D
Acq: 18 Dec 2009 13:44

Tgt Ion:228 Resp: 26996

Ion	Ratio	Lower	Upper
228	100		
226	27.2	9.5	49.5
229	27.2	0.0	60.2



LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

Signal : TIC: 10M09123.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.906	9	13	23	rBV2	8948	20097	0.11%	0.053%
2	1.981	23	27	35	rVB3	2532	4563	0.02%	0.012%
3	2.045	35	39	43	rVB4	1671	1629	0.01%	0.004%
4	2.163	57	61	63	rVB3	682	573	0.00%	0.002%
5	2.190	63	66	71	rVB4	810	1164	0.01%	0.003%
6	2.324	87	91	99	rVB4	4273	6397	0.03%	0.017%
7	2.463	115	117	121	rBV3	409	655	0.00%	0.002%
8	2.511	121	126	127	rVV2	895	1124	0.01%	0.003%
9	2.538	127	131	133	rVV2	632	805	0.00%	0.002%
10	2.570	133	137	139	rVV2	1615	1742	0.01%	0.005%
11	2.602	139	143	157	rVB7	3911	8031	0.04%	0.021%
12	2.725	163	166	173	rVB3	763	1218	0.01%	0.003%
13	2.858	185	191	193	rVB4	788	1242	0.01%	0.003%
14	2.981	207	214	227	rBV6	5429	14388	0.08%	0.038%
15	3.062	227	229	235	rVB3	959	1370	0.01%	0.004%
16	3.104	235	237	239	rBV	606	557	0.00%	0.001%
17	3.228	257	260	267	rVB4	1142	1273	0.01%	0.003%
18	3.441	271	300	303	rBV	4733509	18484193	100.00%	48.845%
19	3.543	315	319	321	rVB3	1557	1752	0.01%	0.005%
20	3.564	321	323	327	rVB2	892	719	0.00%	0.002%
21	3.645	331	338	345	rVB3	1299	2894	0.02%	0.008%
22	3.746	349	357	361	rBV3	2364	3242	0.02%	0.009%
23	3.794	361	366	385	rVB	444537	442019	2.39%	1.168%
24	3.928	389	391	397	rBV3	2564	2686	0.01%	0.007%
25	4.008	401	406	411	rVB2	3267	3325	0.02%	0.009%
26	4.083	415	420	425	rBV3	939	1050	0.01%	0.003%
27	4.131	425	429	441	rBV	43388	44940	0.24%	0.119%
28	4.212	441	444	449	rVB	5073	4308	0.02%	0.011%
29	4.249	449	451	459	rBV	27894	31904	0.17%	0.084%
30	4.308	459	462	471	rVB2	12526	13252	0.07%	0.035%
31	4.426	471	484	489	rVB4	4640	8773	0.05%	0.023%
32	4.479	489	494	505	rVB	19191	21806	0.12%	0.058%
33	4.581	505	513	515	rBV	1083	1370	0.01%	0.004%
34	4.607	515	518	521	rVB	8633	6510	0.04%	0.017%
35	4.666	525	529	533	rBV	26925	29210	0.16%	0.077%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

36	4.698	533	535	539	rVB	13672	9714	0.05%	0.026%
37	4.741	539	543	547	rVB	15477	12197	0.07%	0.032%
38	4.795	549	553	563	rBV	569925	510390	2.76%	1.349%
39	4.934	575	579	583	rBV	42621	39080	0.21%	0.103%
40	4.960	583	584	593	rVB2	15909	16944	0.09%	0.045%
41	5.046	593	600	603	rBV	24288	23498	0.13%	0.062%
42	5.083	603	607	611	rVV	446157	316803	1.71%	0.837%
43	5.116	611	613	615	rVB2	7907	4659	0.03%	0.012%
44	5.137	615	617	619	rBV	4840	3899	0.02%	0.010%
45	5.228	627	634	639	rVB4	10846	15491	0.08%	0.041%
46	5.265	639	641	643	rBV3	1062	608	0.00%	0.002%
47	5.303	643	648	651	rBV4	11010	10139	0.05%	0.027%
48	5.330	651	653	657	rVB4	3642	4837	0.03%	0.013%
49	5.362	657	659	661	rBV	11433	8407	0.05%	0.022%
50	5.399	661	666	669	rBV5	3577	3756	0.02%	0.010%
51	5.426	669	671	679	rVB5	6467	7231	0.04%	0.019%
52	5.485	679	682	683	rBV3	2670	2562	0.01%	0.007%
53	5.554	687	695	699	rBV	287830	246565	1.33%	0.652%
54	5.629	707	709	711	rVB2	6364	4563	0.02%	0.012%
55	5.650	711	713	715	rBV3	2241	1419	0.01%	0.004%
56	5.683	715	719	721	rBV3	2550	3284	0.02%	0.009%
57	5.741	721	730	733	rVB4	14082	23537	0.13%	0.062%
58	5.784	733	738	741	rBV4	7455	6532	0.04%	0.017%
59	5.827	741	746	749	rBV4	13626	19854	0.11%	0.052%
60	5.859	749	752	759	rVB4	19528	18864	0.10%	0.050%
61	5.913	759	762	765	rBV2	51043	45010	0.24%	0.119%
62	5.939	765	767	771	rVB4	10887	10556	0.06%	0.028%
63	5.982	771	775	777	rVB4	13295	14353	0.08%	0.038%
64	6.019	777	782	787	rBV2	10855	8495	0.05%	0.022%
65	6.105	789	798	801	rBV	752509	553038	2.99%	1.461%
66	6.148	801	806	809	rVB3	32809	47122	0.25%	0.125%
67	6.175	809	811	815	rVB2	23259	26267	0.14%	0.069%
68	6.266	819	828	831	rBV9	16216	33019	0.18%	0.087%
69	6.319	831	838	843	rBV6	34905	63338	0.34%	0.167%
70	6.399	847	853	857	rBV3	30944	39063	0.21%	0.103%
71	6.442	857	861	867	rBV5	30824	44458	0.24%	0.117%
72	6.485	867	869	873	rBV4	9455	11391	0.06%	0.030%
73	6.517	873	875	879	rVB2	19356	20126	0.11%	0.053%
74	6.549	879	881	883	rBV	15920	14317	0.08%	0.038%
75	6.576	883	886	889	rVV5	11860	12693	0.07%	0.034%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

76	6.602	889	891	893	rVB2	17413	13104	0.07%	0.035%
77	6.640	893	898	901	rBV	409234	300220	1.62%	0.793%
78	6.677	901	905	907	rBV5	10967	6947	0.04%	0.018%
79	6.709	907	911	915	rBV	254998	193574	1.05%	0.512%
80	6.736	915	916	919	rVB2	30717	16797	0.09%	0.044%
81	6.784	919	925	927	rBV6	25645	41810	0.23%	0.110%
82	6.838	931	935	937	rVB3	25015	26380	0.14%	0.070%
83	6.875	937	942	945	rBV4	58255	75931	0.41%	0.201%
84	6.907	945	948	953	rVB	841169	552564	2.99%	1.460%
85	6.945	953	955	957	rBV3	4579	4256	0.02%	0.011%
86	6.966	957	959	963	rBV5	27593	24052	0.13%	0.064%
87	7.014	963	968	971	rBV2	25317	21325	0.12%	0.056%
88	7.052	971	975	981	rVB	133383	152136	0.82%	0.402%
89	7.105	981	985	993	rBV	236455	291925	1.58%	0.771%
90	7.164	993	996	1003	rBV	291532	405577	2.19%	1.072%
91	7.223	1003	1007	1009	rVV4	30593	25285	0.14%	0.067%
92	7.255	1009	1013	1019	rVB	109005	116882	0.63%	0.309%
93	7.319	1019	1025	1029	rBV2	73756	64522	0.35%	0.171%
94	7.394	1037	1039	1041	rBV2	24441	17845	0.10%	0.047%
95	7.432	1041	1046	1049	rVV	786296	639498	3.46%	1.690%
96	7.458	1049	1051	1059	rVV3	73033	120152	0.65%	0.318%
97	7.528	1059	1064	1067	rVV2	137108	164530	0.89%	0.435%
98	7.560	1067	1070	1073	rVV3	50738	46661	0.25%	0.123%
99	7.608	1073	1079	1083	rVV2	133815	164652	0.89%	0.435%
100	7.640	1083	1085	1089	rVV	115596	109673	0.59%	0.290%
101	7.667	1089	1090	1095	rVB4	60603	37227	0.20%	0.098%
102	7.710	1095	1098	1099	rBV	96302	87859	0.48%	0.232%
103	7.731	1099	1102	1107	rVB	92063	76152	0.41%	0.201%
104	7.785	1107	1112	1117	rBV2	86264	157950	0.85%	0.417%
105	7.859	1121	1126	1131	rVB5	44239	52704	0.29%	0.139%
106	7.902	1131	1134	1137	rBV3	105657	107763	0.58%	0.285%
107	7.929	1137	1139	1141	rVV2	64627	59611	0.32%	0.158%
108	7.966	1141	1146	1153	rVV3	71370	146188	0.79%	0.386%
109	8.025	1153	1157	1159	rVV2	69884	89637	0.48%	0.237%
110	8.052	1159	1162	1167	rVB3	57204	88735	0.48%	0.234%
111	8.127	1171	1176	1181	rVB	664620	576527	3.12%	1.523%
112	8.170	1181	1184	1189	rVB5	44936	61581	0.33%	0.163%
113	8.212	1189	1192	1197	rBV5	26507	47119	0.25%	0.125%
114	8.250	1197	1199	1201	rVV	58762	57002	0.31%	0.151%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

115	8.277	1201	1204	1209	rVB2	70406	79168	0.43%	0.209%
116	8.319	1209	1212	1215	rBV2	50540	51244	0.28%	0.135%
117	8.421	1223	1231	1233	rBV4	70190	111793	0.60%	0.295%
118	8.448	1233	1236	1249	rVB3	123399	239328	1.29%	0.632%
119	8.565	1249	1258	1265	rBV8	53424	138363	0.75%	0.366%
120	8.619	1265	1268	1271	rBV5	10344	8545	0.05%	0.023%
121	8.667	1273	1277	1283	rVB5	31545	45526	0.25%	0.120%
122	8.721	1283	1287	1289	rBV5	25149	26945	0.15%	0.071%
123	8.747	1289	1292	1297	rVB	79387	80099	0.43%	0.212%
124	8.806	1297	1303	1305	rBV	744542	687859	3.72%	1.818%
125	8.828	1305	1307	1311	rVB	265313	225328	1.22%	0.595%
126	8.881	1311	1317	1321	rVB3	41865	76698	0.41%	0.203%
127	8.929	1321	1326	1329	rBV2	65206	81555	0.44%	0.216%
128	8.983	1333	1336	1341	rBV4	25931	34343	0.19%	0.091%
129	9.020	1341	1343	1347	rBV	47580	33891	0.18%	0.090%
130	9.063	1347	1351	1357	rBV5	40844	51943	0.28%	0.137%
131	9.122	1357	1362	1365	rBV6	35400	44320	0.24%	0.117%
132	9.154	1365	1368	1371	rBV	115736	120756	0.65%	0.319%
133	9.245	1381	1385	1389	rBV	94987	106592	0.58%	0.282%
134	9.287	1389	1393	1397	rBV6	21179	32297	0.17%	0.085%
135	9.341	1397	1403	1405	rBV2	224622	247733	1.34%	0.655%
136	9.368	1405	1408	1413	rVB	271780	263233	1.42%	0.696%
137	9.421	1413	1418	1421	rBV3	55348	59142	0.32%	0.156%
138	9.453	1421	1424	1437	rVV3	178902	345229	1.87%	0.912%
139	9.555	1439	1443	1445	rBV5	28626	27027	0.15%	0.071%
140	9.598	1447	1451	1455	rVB	87746	80242	0.43%	0.212%
141	9.630	1455	1457	1459	rBV2	26785	27457	0.15%	0.073%
142	9.662	1459	1463	1465	rBV4	70405	64767	0.35%	0.171%
143	9.785	1481	1486	1487	rBV2	41968	51685	0.28%	0.137%
144	9.806	1487	1490	1493	rVV4	52554	66421	0.36%	0.176%
145	9.838	1493	1496	1499	rVV2	205848	236313	1.28%	0.624%
146	9.870	1499	1502	1511	rVB2	182661	331574	1.79%	0.876%
147	9.956	1513	1518	1521	rBV	315809	357841	1.94%	0.946%
148	9.988	1521	1524	1527	rVB2	96483	104711	0.57%	0.277%
149	10.047	1533	1535	1541	rBV3	78978	107978	0.58%	0.285%
150	10.095	1541	1544	1547	rVB	49235	47314	0.26%	0.125%
151	10.165	1553	1557	1559	rBV5	34962	36396	0.20%	0.096%
152	10.191	1559	1562	1567	rVB3	145778	179959	0.97%	0.476%
153	10.250	1567	1573	1575	rBV5	46789	62591	0.34%	0.165%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

154	10.320	1583	1586	1589	rBV2	48169	69514	0.38%	0.184%
155	10.379	1589	1597	1603	rVV2	162250	276270	1.49%	0.730%
156	10.432	1603	1607	1611	rVV	94943	115017	0.62%	0.304%
157	10.475	1611	1615	1619	rVV	158507	177328	0.96%	0.469%
158	10.507	1619	1621	1623	rVV2	52496	47739	0.26%	0.126%
159	10.534	1623	1626	1629	rVV2	59555	65472	0.35%	0.173%
160	10.582	1629	1635	1643	rVB	846604	946790	5.12%	2.502%
161	10.646	1643	1647	1649	rBV5	62228	74024	0.40%	0.196%
162	10.673	1649	1652	1657	rVB4	31281	37547	0.20%	0.099%
163	10.774	1663	1671	1677	rVB8	76218	154599	0.84%	0.409%
164	10.823	1677	1680	1681	rBV3	27710	25374	0.14%	0.067%
165	10.892	1689	1693	1695	rBV	93387	98162	0.53%	0.259%
166	10.935	1699	1701	1709	rVV5	76993	89560	0.48%	0.237%
167	10.994	1709	1712	1715	rVV	114291	109534	0.59%	0.289%
168	11.026	1715	1718	1725	rVB3	77471	89252	0.48%	0.236%
169	11.101	1725	1732	1735	rBV2	65486	118269	0.64%	0.313%
170	11.352	1775	1779	1781	rBV2	77130	81965	0.44%	0.217%
171	11.491	1799	1805	1815	rVB4	83800	174475	0.94%	0.461%
172	11.577	1817	1821	1827	rBV6	50385	100686	0.54%	0.266%
173	11.625	1827	1830	1835	rVB6	36772	43423	0.23%	0.115%
174	11.743	1843	1852	1855	rBV8	77642	155201	0.84%	0.410%
175	11.796	1857	1862	1865	rBV	590986	602458	3.26%	1.592%
176	11.876	1873	1877	1881	rBV3	36226	45862	0.25%	0.121%
177	11.951	1887	1891	1895	rBV7	49502	62454	0.34%	0.165%
178	12.315	1955	1959	1963	rBV4	37962	44502	0.24%	0.118%
179	12.422	1975	1979	1983	rVB4	31865	31074	0.17%	0.082%
180	12.598	2007	2012	2015	rBV6	59336	56101	0.30%	0.148%
181	12.679	2023	2027	2035	rVB5	51854	100653	0.54%	0.266%
182	12.737	2035	2038	2041	rBV4	56452	75813	0.41%	0.200%
183	12.775	2041	2045	2051	rVV3	40305	57469	0.31%	0.152%
184	12.850	2055	2059	2063	rBV6	29098	45036	0.24%	0.119%
185	12.978	2075	2083	2085	rBV7	39605	79110	0.43%	0.209%
186	13.101	2101	2106	2111	rVB3	152920	200618	1.09%	0.530%
187	13.155	2111	2116	2123	rBV8	127509	169197	0.92%	0.447%
188	13.385	2155	2159	2165	rBV	538403	603803	3.27%	1.596%
189	13.513	2179	2183	2189	rVB7	46876	57314	0.31%	0.151%
190	13.657	2207	2210	2213	rBV4	39376	35357	0.19%	0.093%
191	13.711	2217	2220	2225	rVB2	85496	89897	0.49%	0.238%
192	13.764	2225	2230	2235	rBV4	135752	213455	1.15%	0.564%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

193	13.807	2235	2238	2241	rVB2	93471	87968	0.48%	0.232%
194	13.968	2263	2268	2275	rVB2	59858	99000	0.54%	0.262%
195	14.203	2307	2312	2315	rVB7	36005	45326	0.25%	0.120%
196	14.363	2339	2342	2347	rVB3	35485	48192	0.26%	0.127%
197	14.668	2393	2399	2411	rVB3	30732	95287	0.52%	0.252%
198	14.807	2419	2425	2433	rVB4	126370	200880	1.09%	0.531%

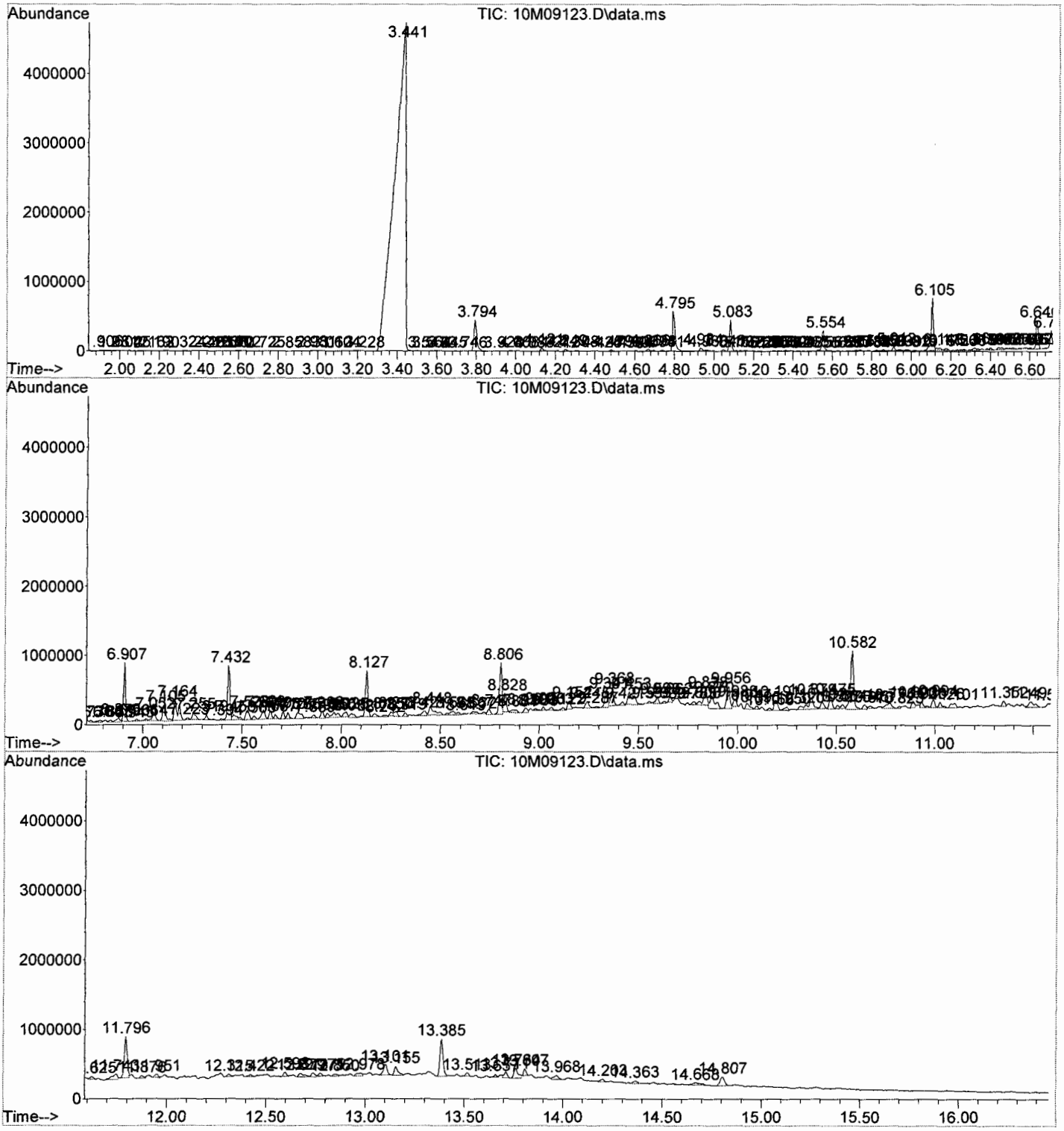
Sum of corrected areas: 37842446

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

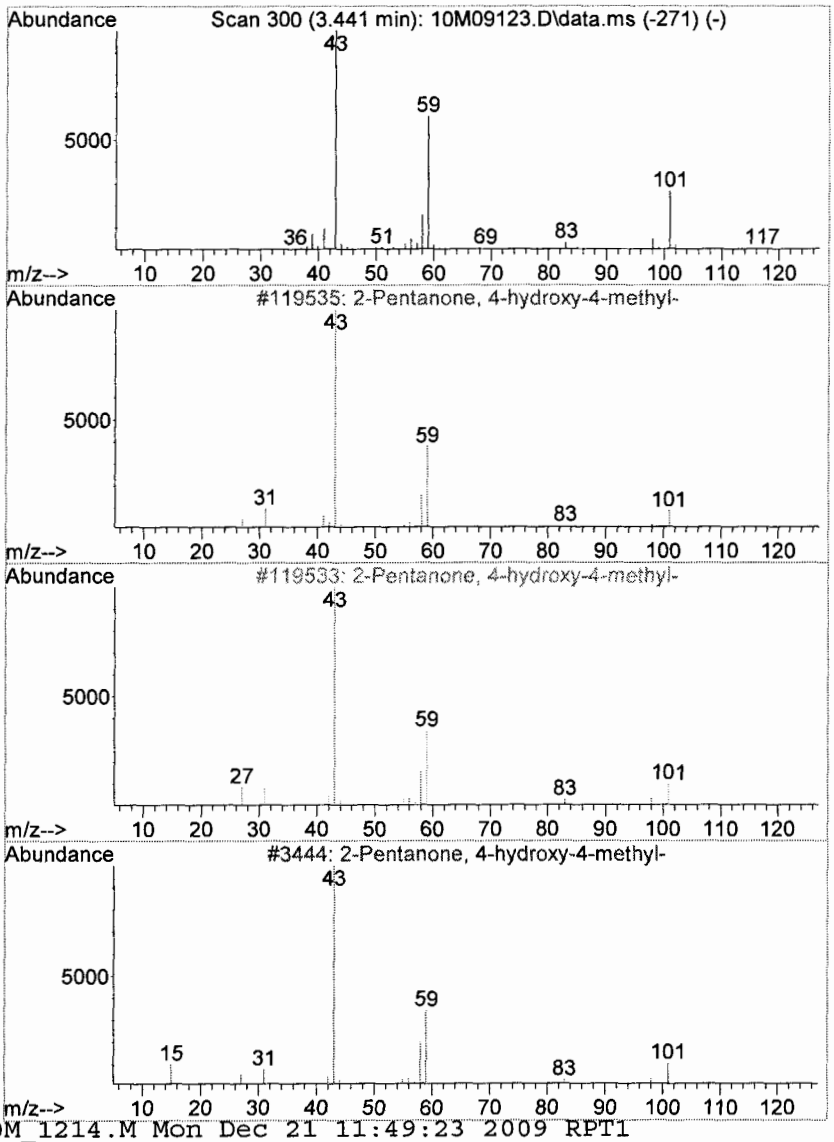
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

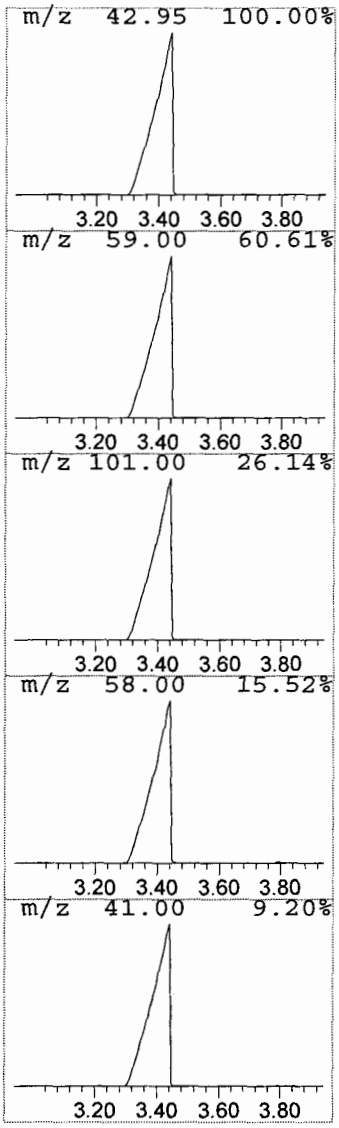
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.44	2295.05 ng	18484200	1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

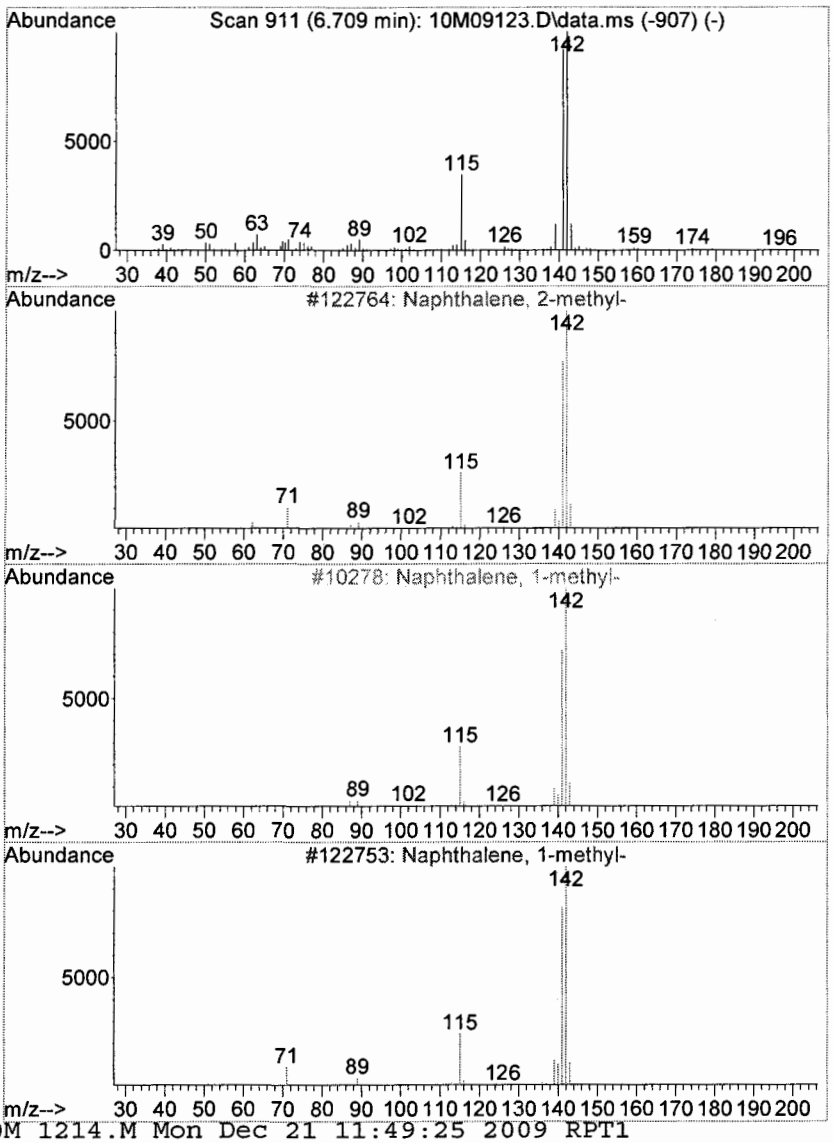
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

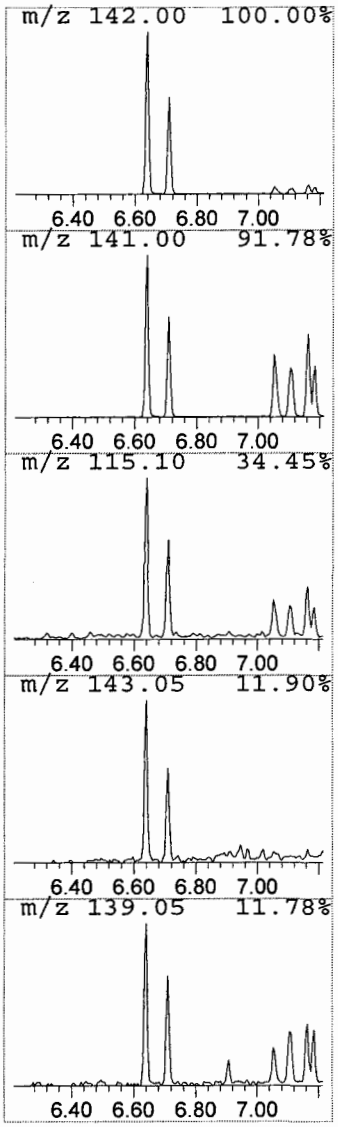
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	14.00 ng	193574	Naphthalene-d8	6.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

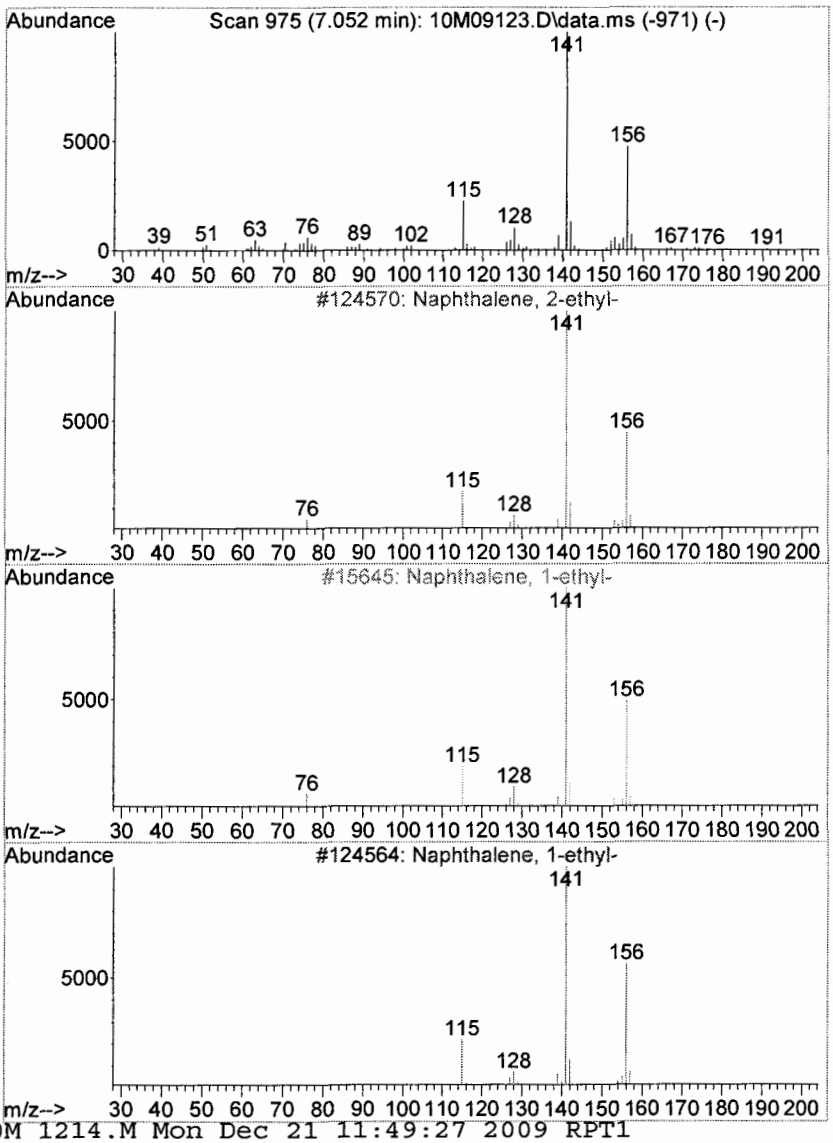
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

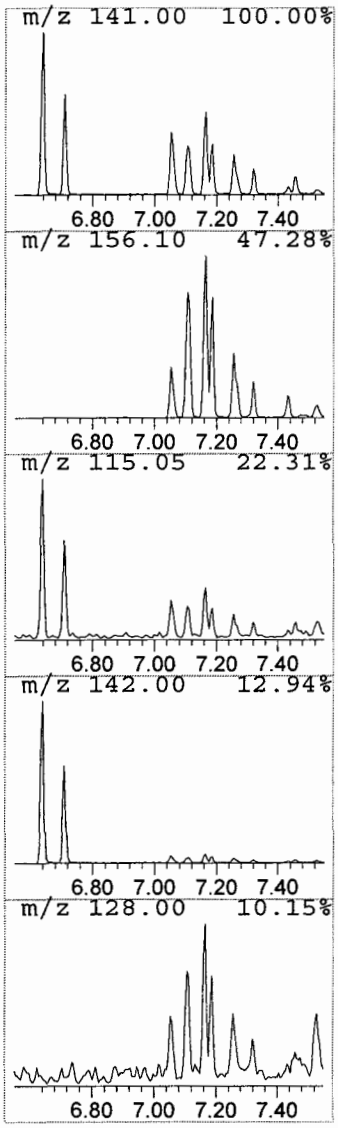
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	9.52 ng	152136	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

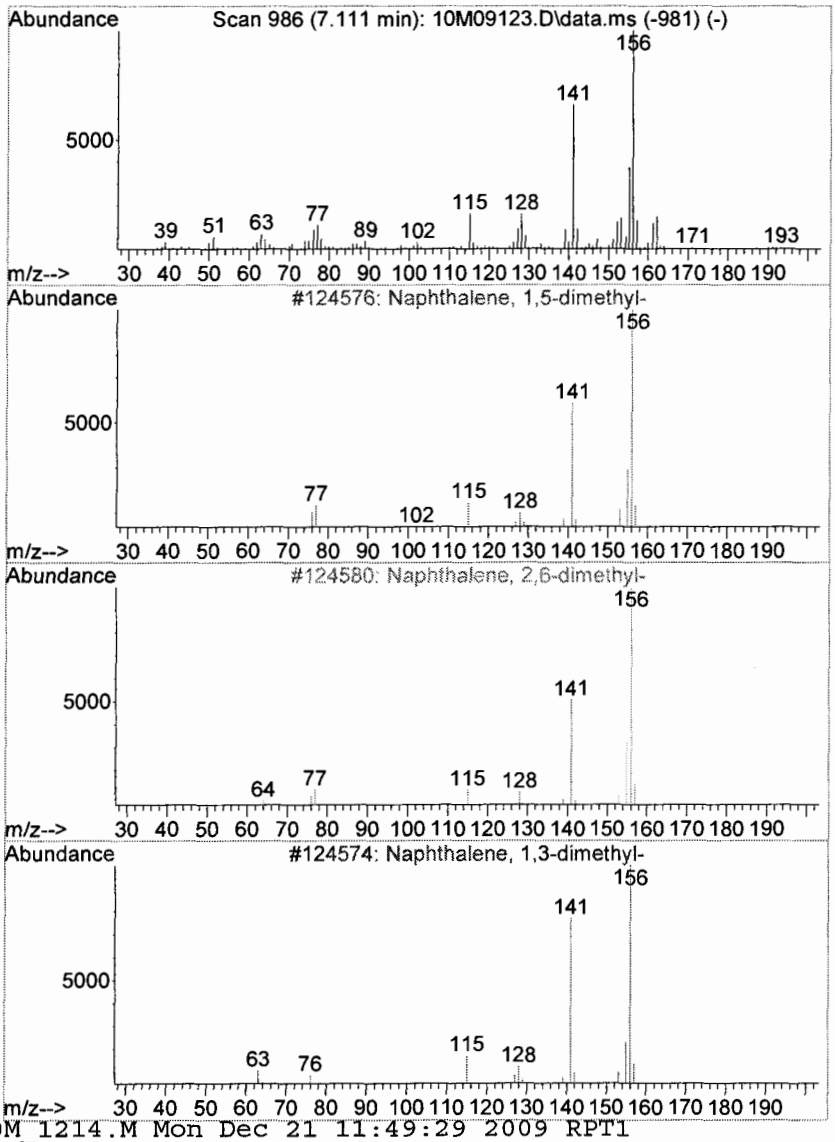
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

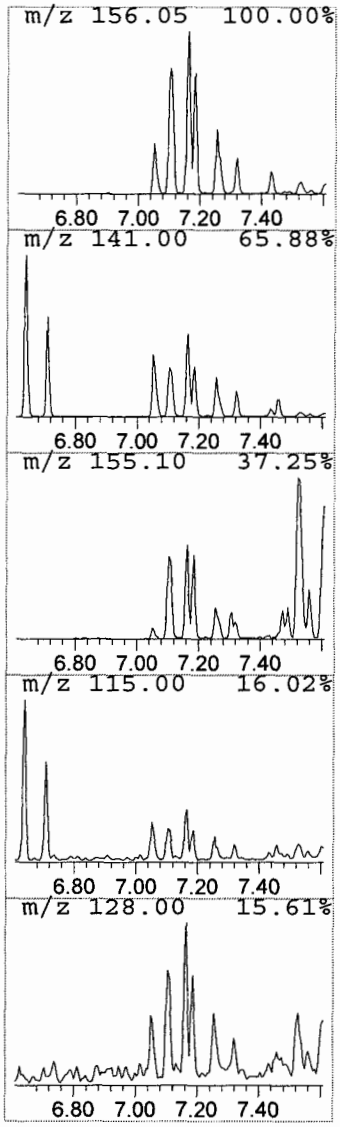
****

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	18.26 ng	291925	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

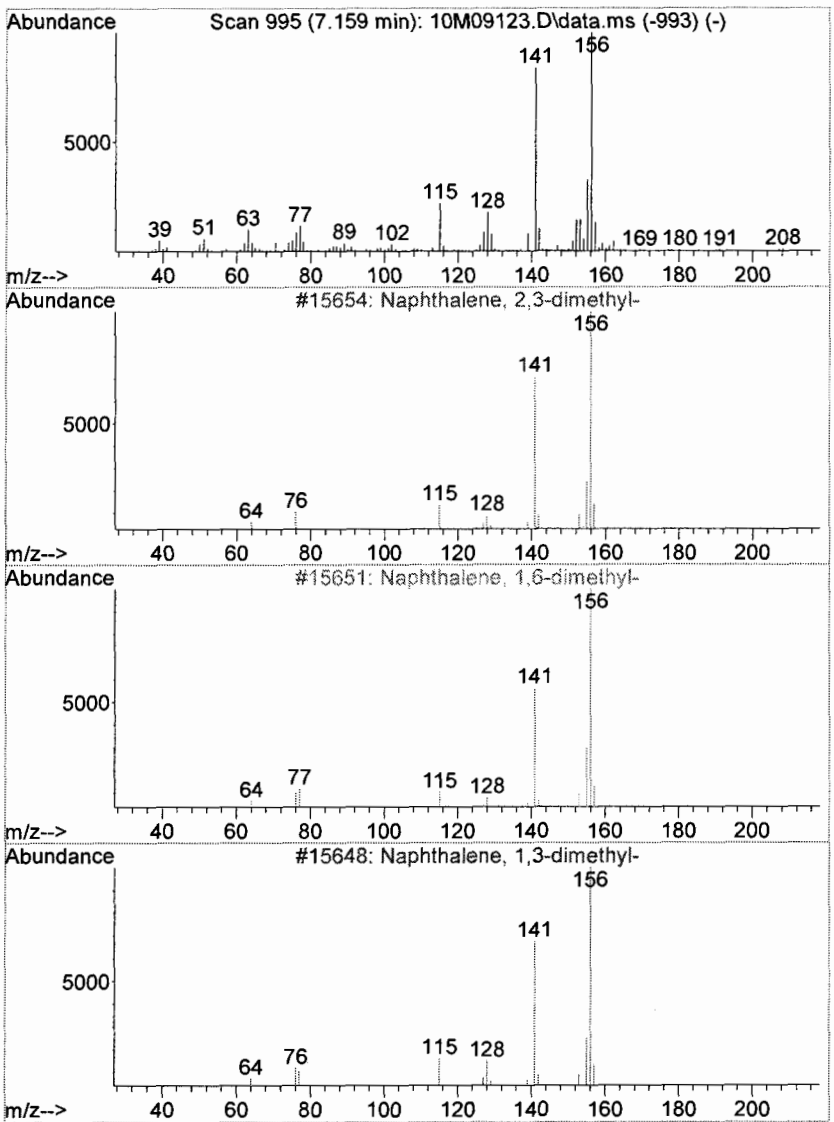
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

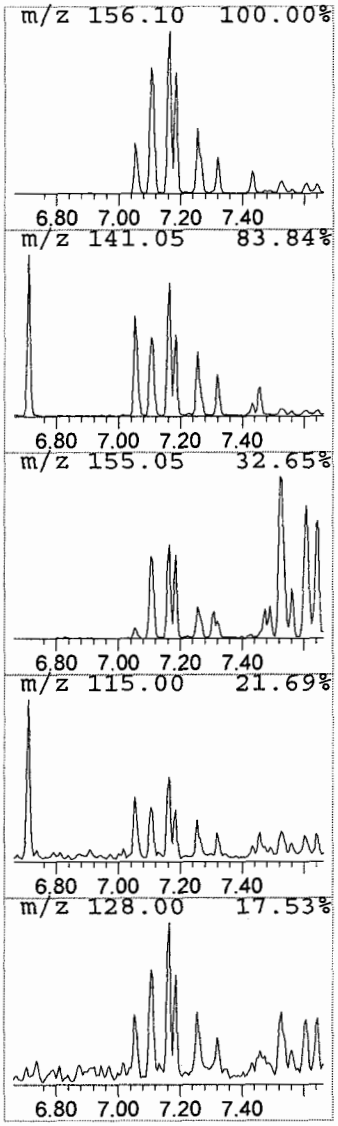
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	25.37 ng	405577	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

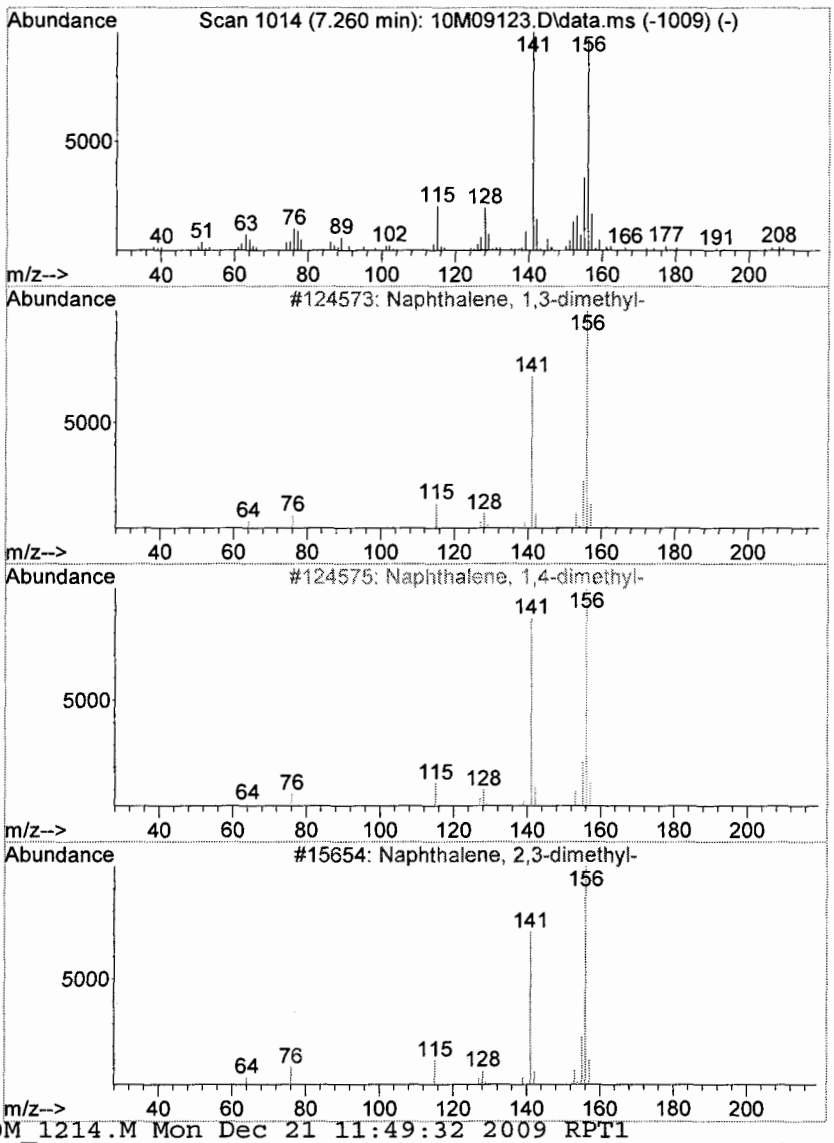
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

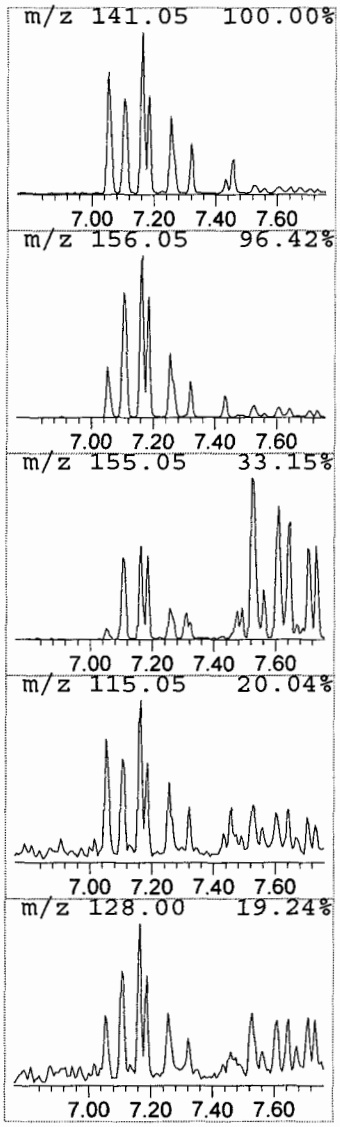
****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	7.31 ng	116882	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94





Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

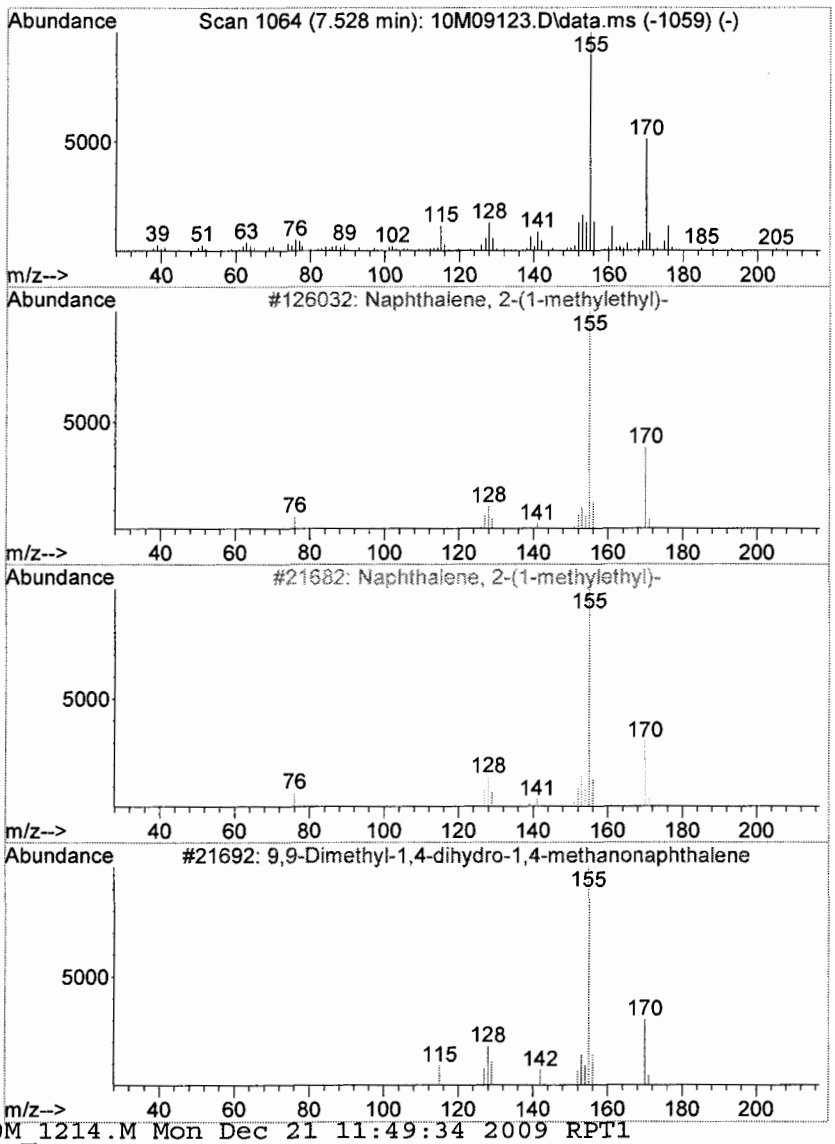
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

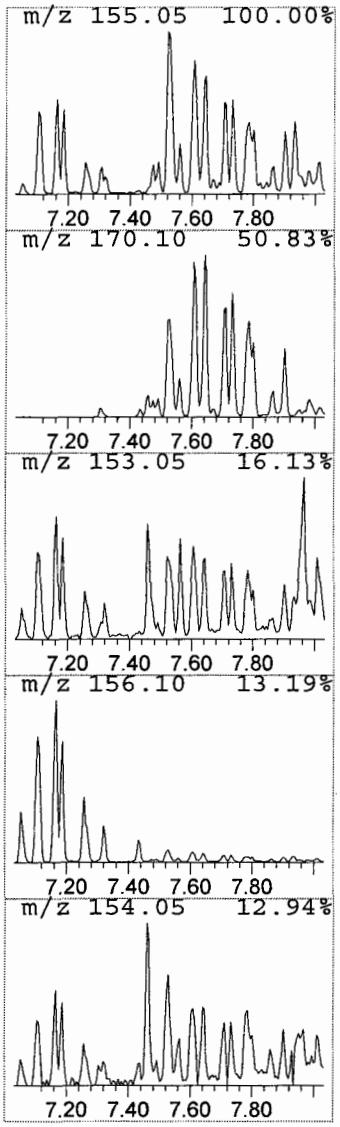
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	10.29 ng	164530	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
3	9,9-Dimethyl-1,4-dihydro-1,4-met...	170	C13H14	018242-86-9	87
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
5	1,3,5-Triazin-2(1H)-one, 4,6-bis...	155	C5H9N5O	055702-52-8	83





Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

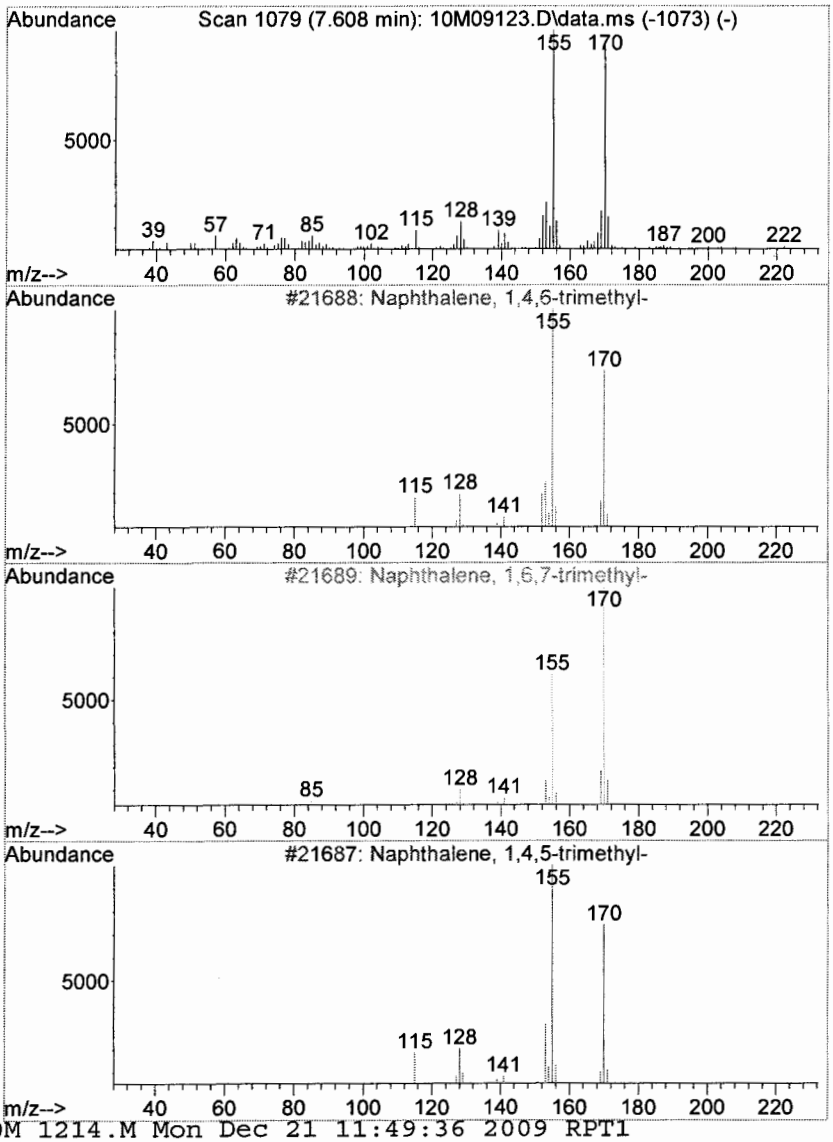
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

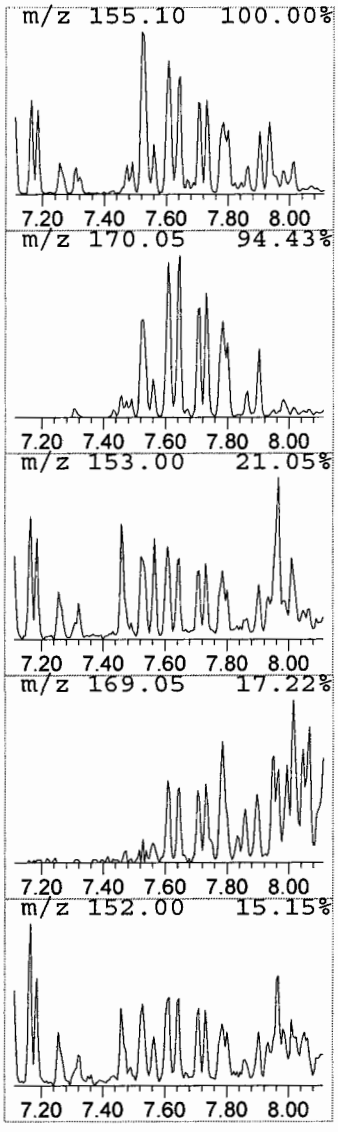
****

Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	10.30 ng	164652	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4	METHYL-ETHYL-NAPHTALENE	170	C13H14	000000-00-0	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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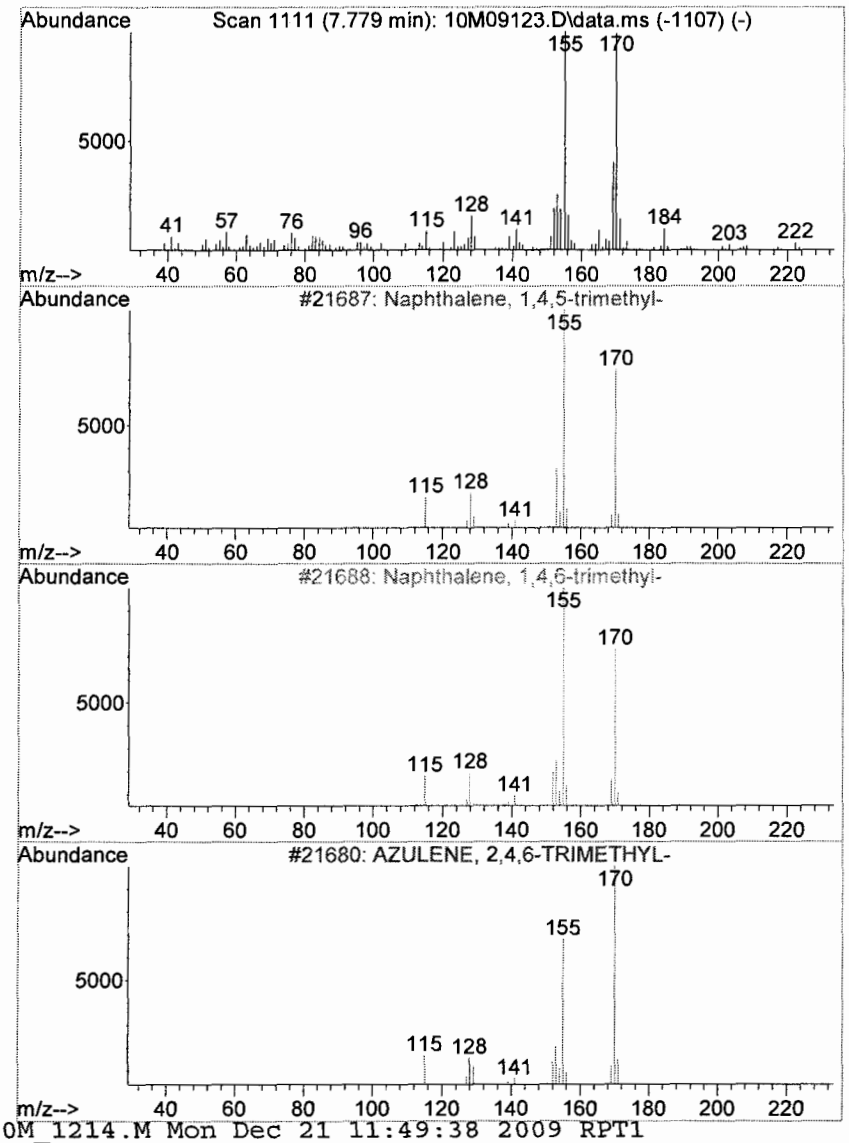
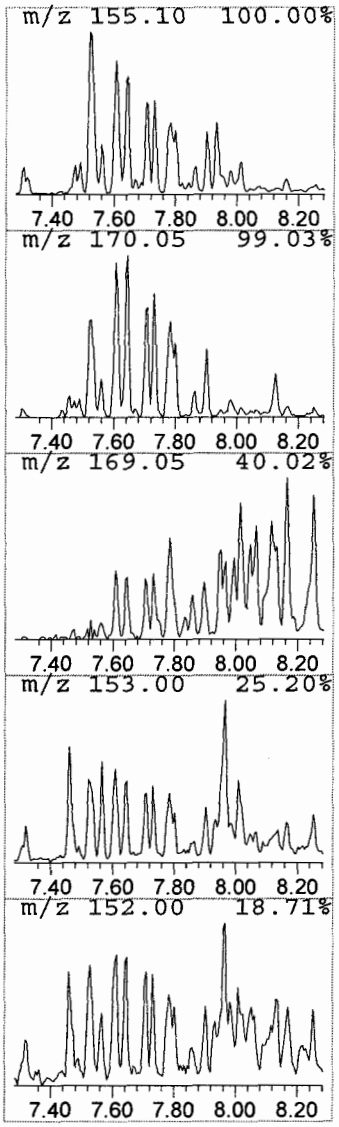
Peak Number 9 Naphthalene, 1,4,5-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	9.88 ng	157950	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3	AZULENE, 2,4,6-TRIMETHYL-	170	C13H14	000000-00-0	91
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89





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Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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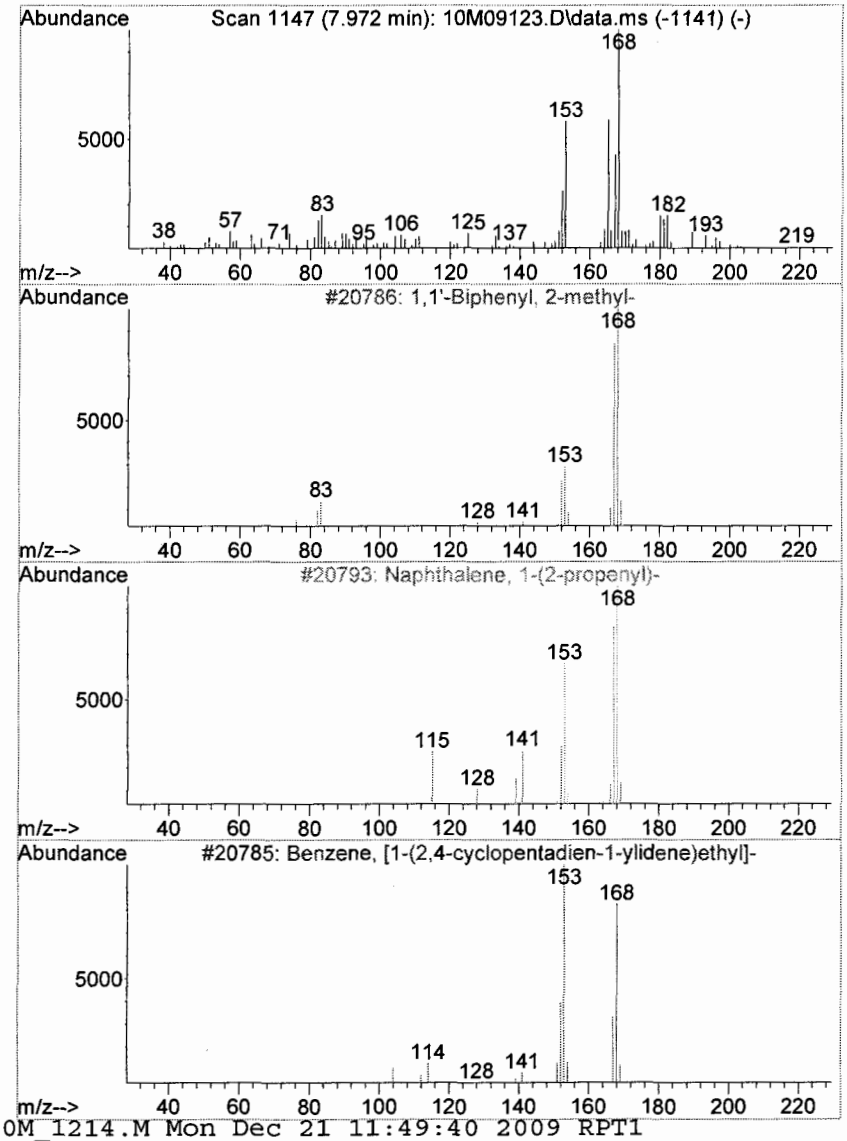
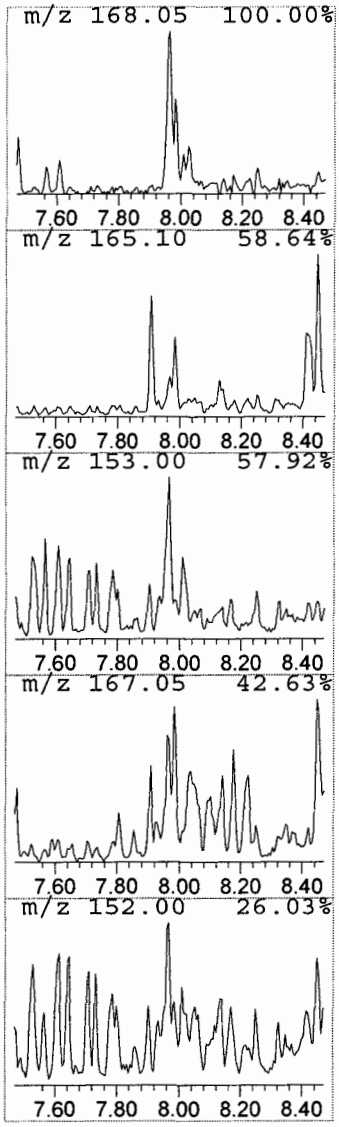
Peak Number 10 unknown Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	9.14 ng	146188	Acenaphthene-d10	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	47
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	47
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	45
4	Benzenamine, N-nitroso-N-phenyl-	198	C12H10N2O	000086-30-6	38
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	33





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Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

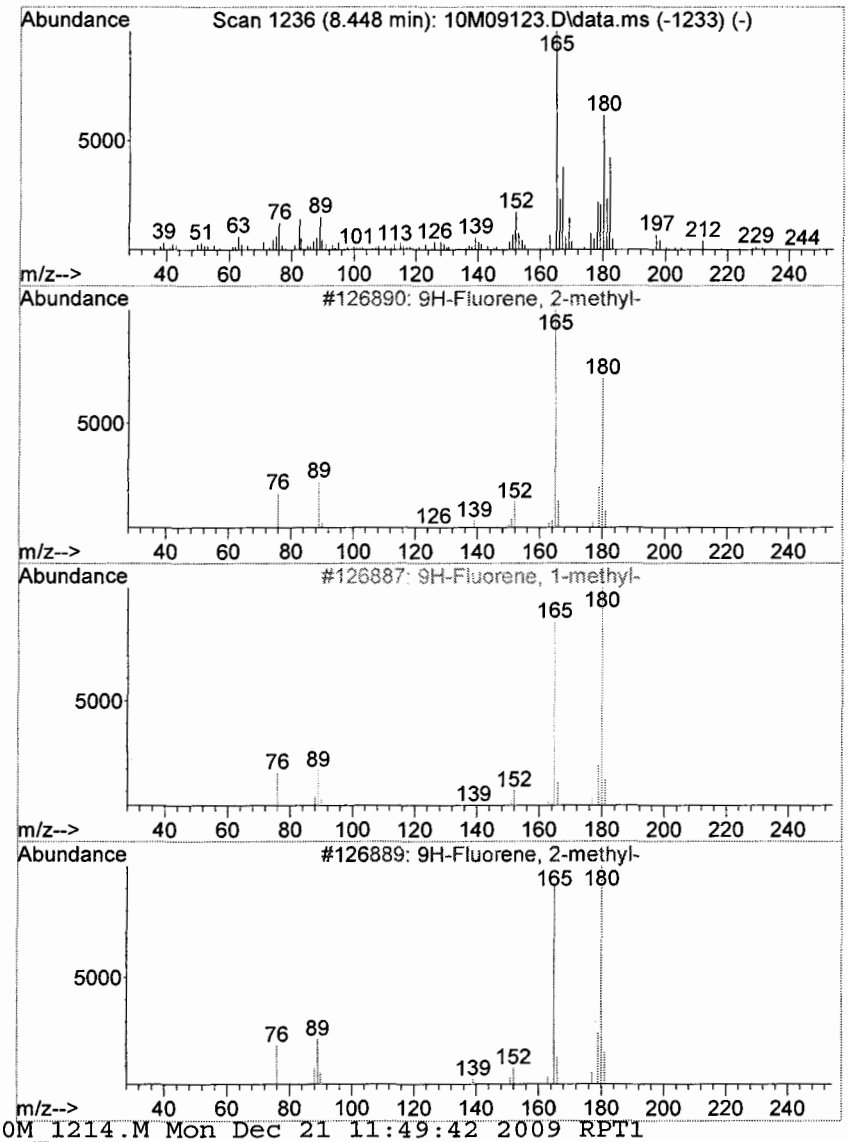
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

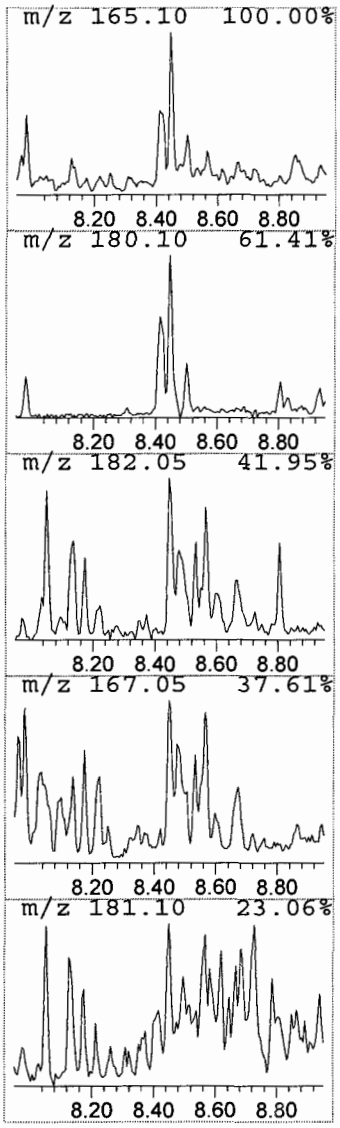
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	10.27 ng	239328	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
4	METHYL-FLUORENE	180	C14H12	000000-00-0	49
5	2,2-DIPHENYL-5-HEXENOIC ACID	266	C18H18O2	000000-00-0	49





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Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

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Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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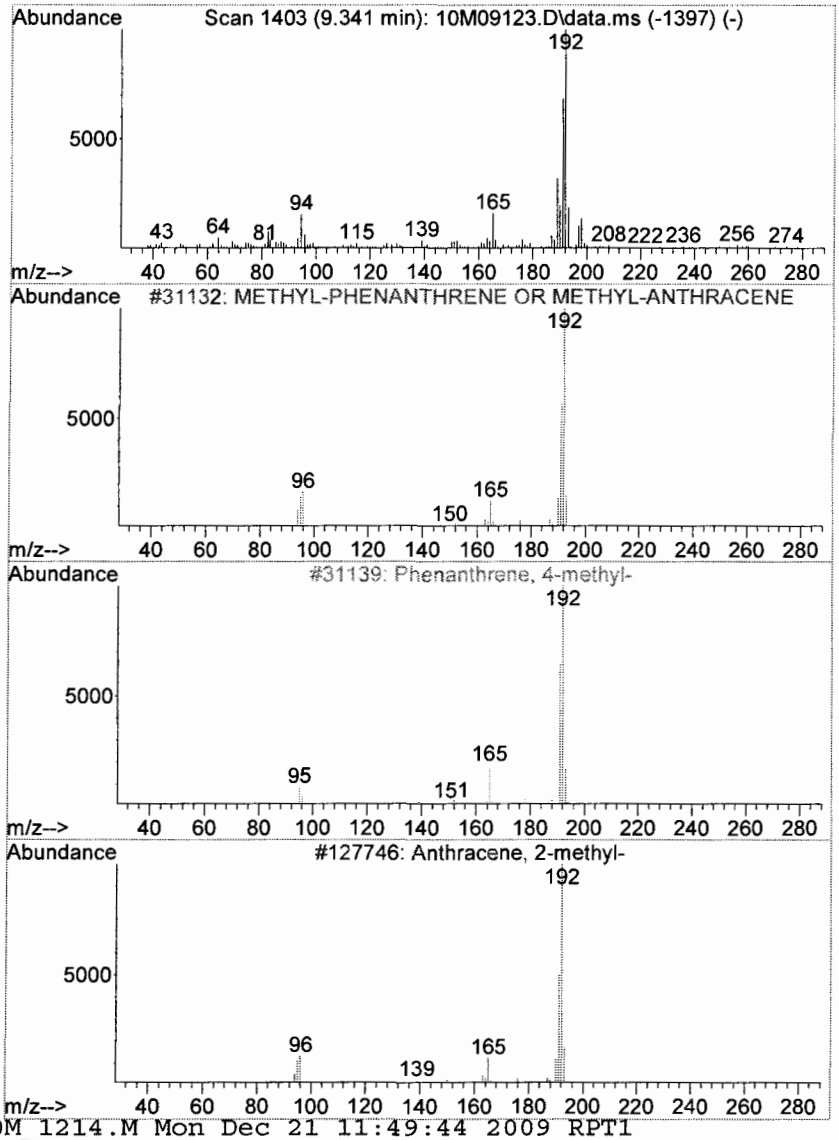
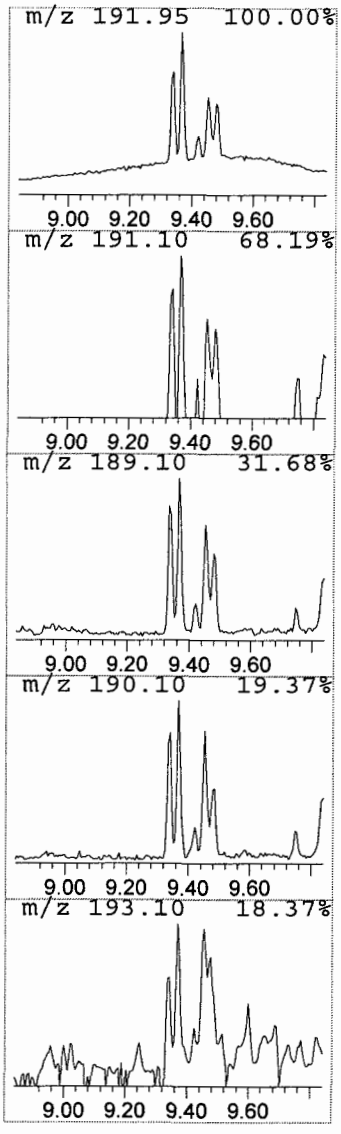
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	10.63 ng	247733	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	89
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
4	(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	72
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68





Library Search Compound Report

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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

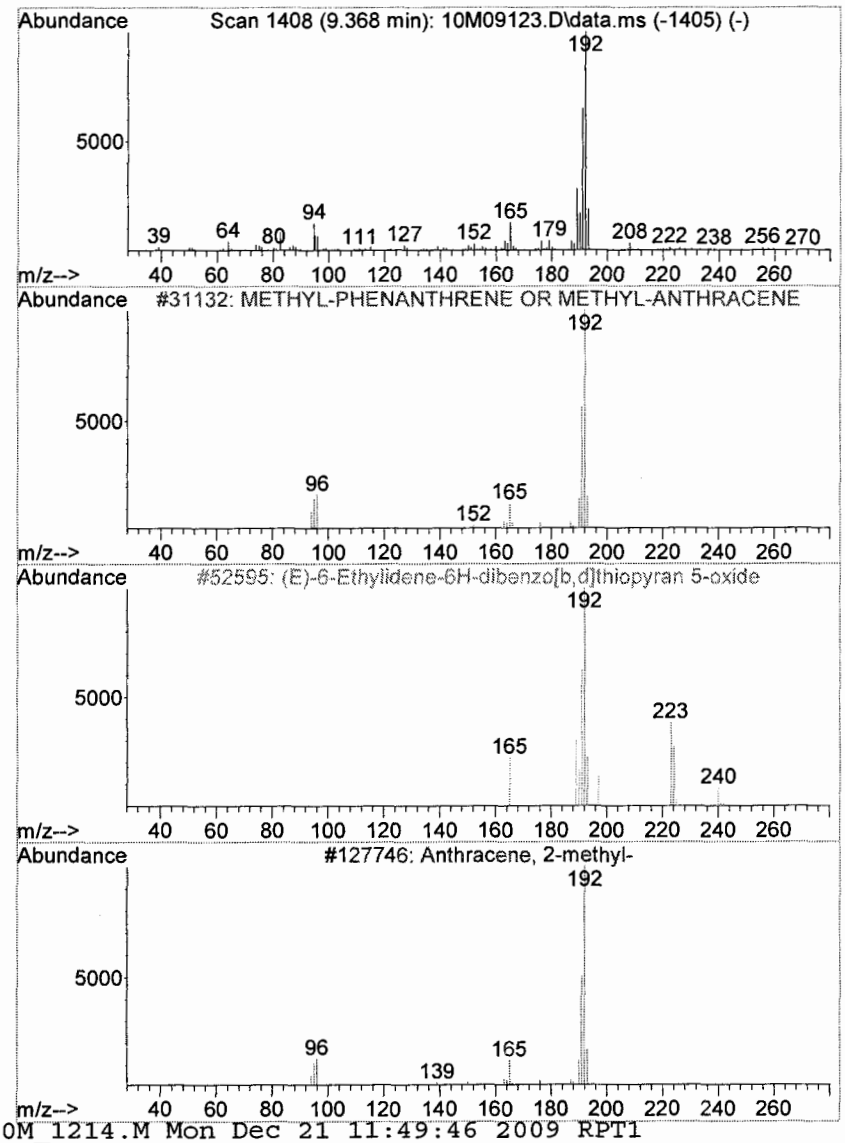
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

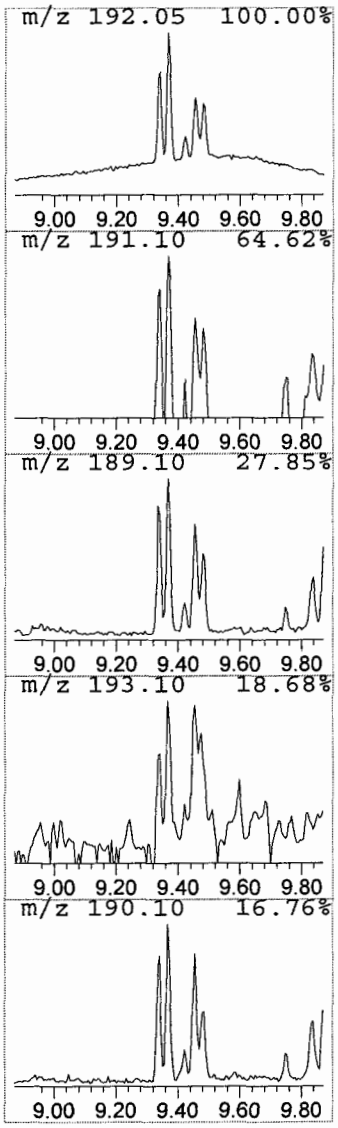
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (E)-6-Ethylidene-6H-dibenzo... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	11.30 ng	263233	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	91
2	(E)-6-Ethylidene-6H-dibenzo[b,d]...	240	C15H12OS	087221-28-1	83
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81





Library Search Compound Report

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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

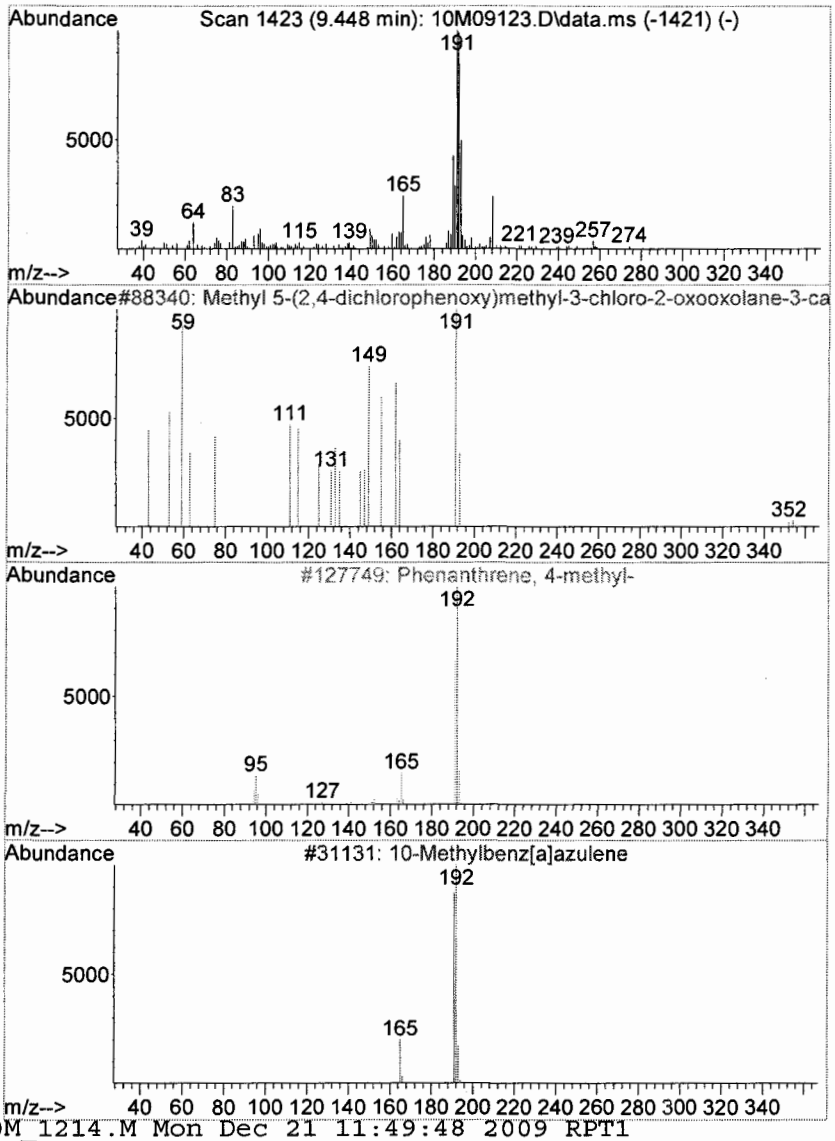
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

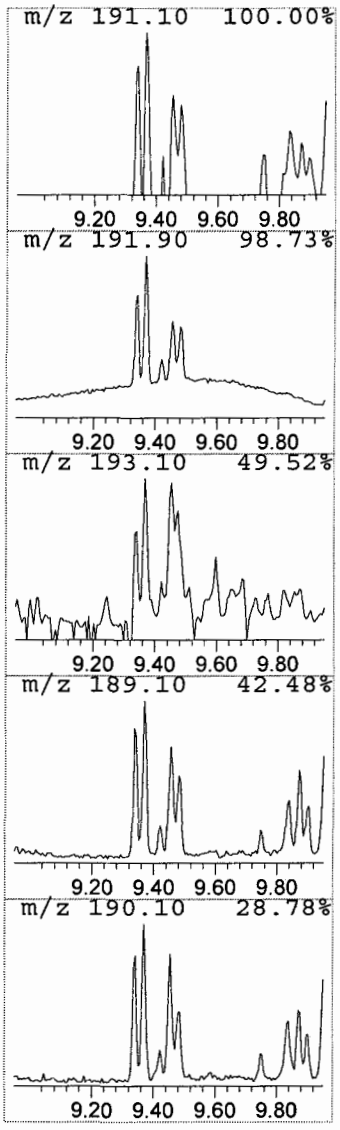
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Methyl 5-(2,4-dichloropheno... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	14.82 ng	345229	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 5-(2,4-dichlorophenoxy)me...	352	C13H11Cl3O5	085858-62-4	70
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
3	10-Methylbenz[a]azulene	192	C15H12	078926-60-0	53
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	52
5	METHYL-PHENANTHRENE OR METHYL-AN...	192	C15H12	000610-48-0	52





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Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

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Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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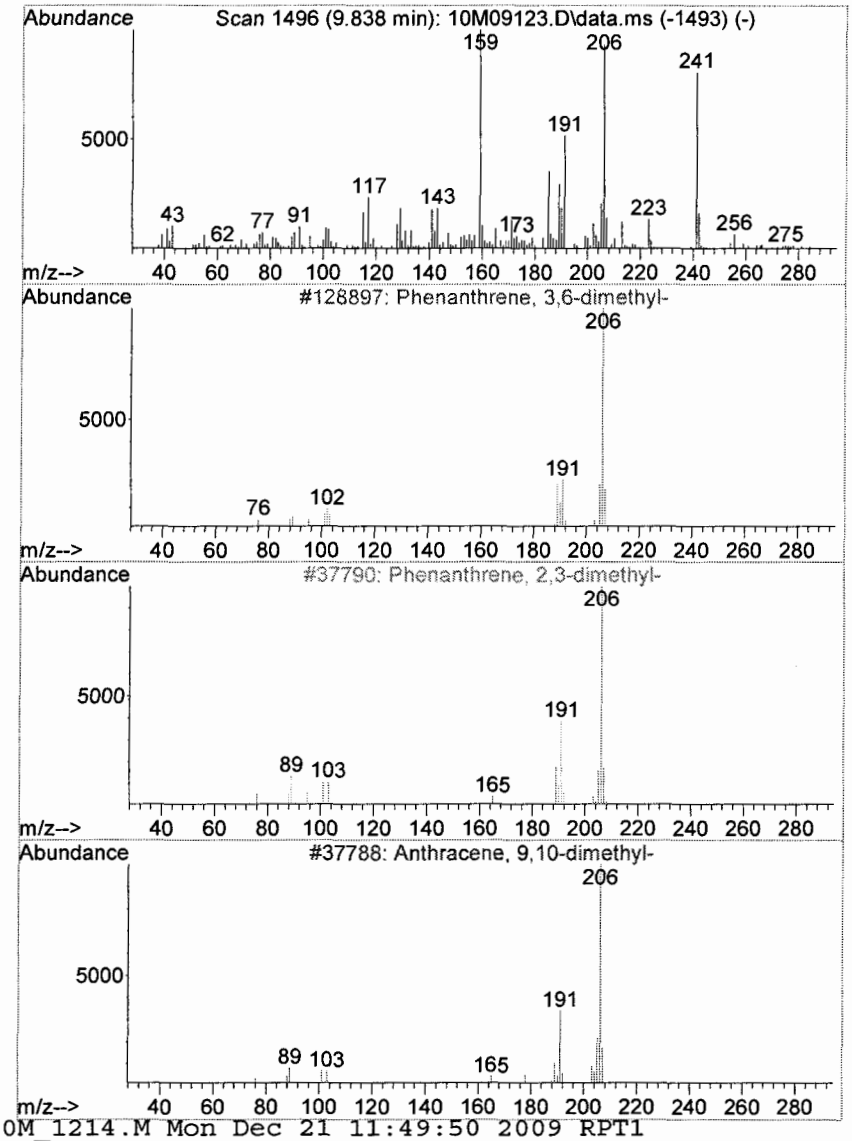
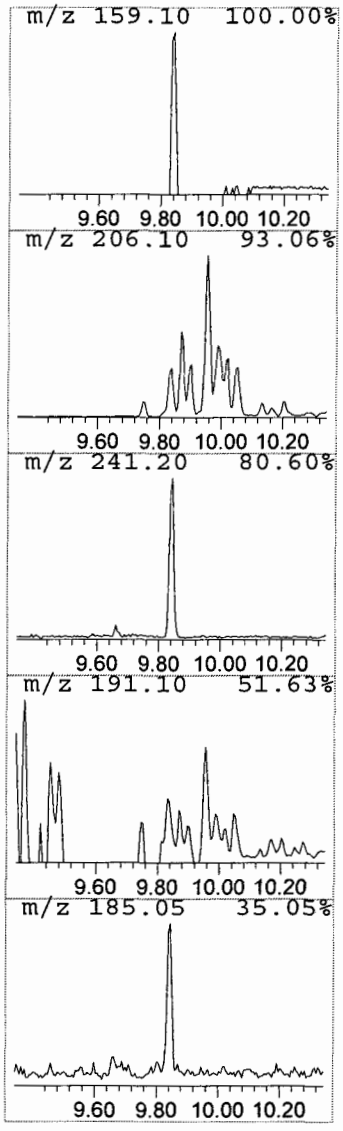
Peak Number 15 unknown Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	10.14 ng	236313	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	47
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	42
3	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	38
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	35





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Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

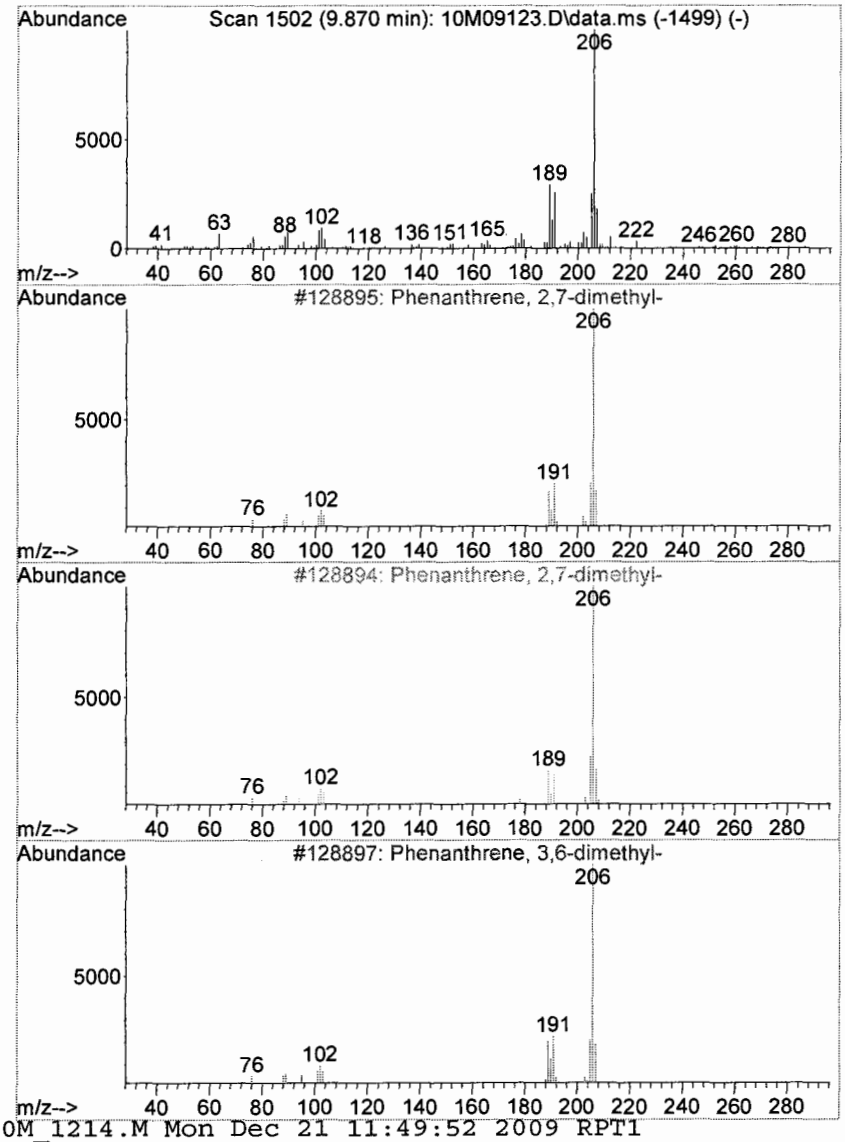
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

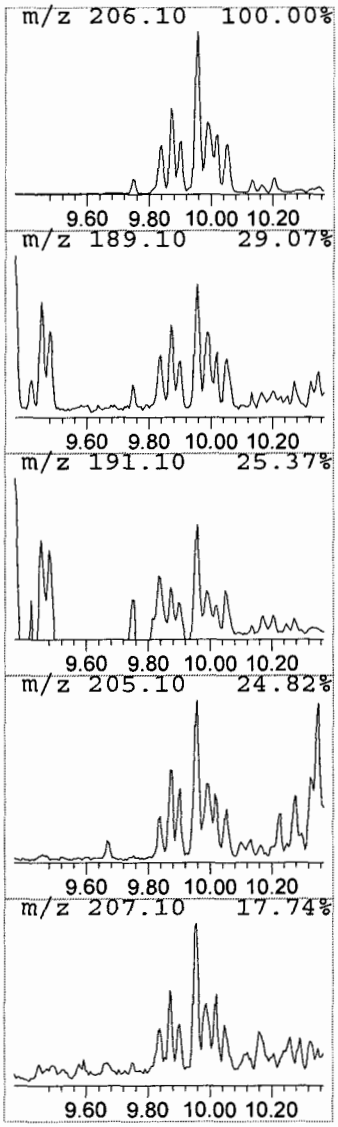
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	14.23 ng	331574	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	95
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74
5	1,4-DIMETHYL-ANTHRACENE	206	C16H14	000000-00-0	68





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Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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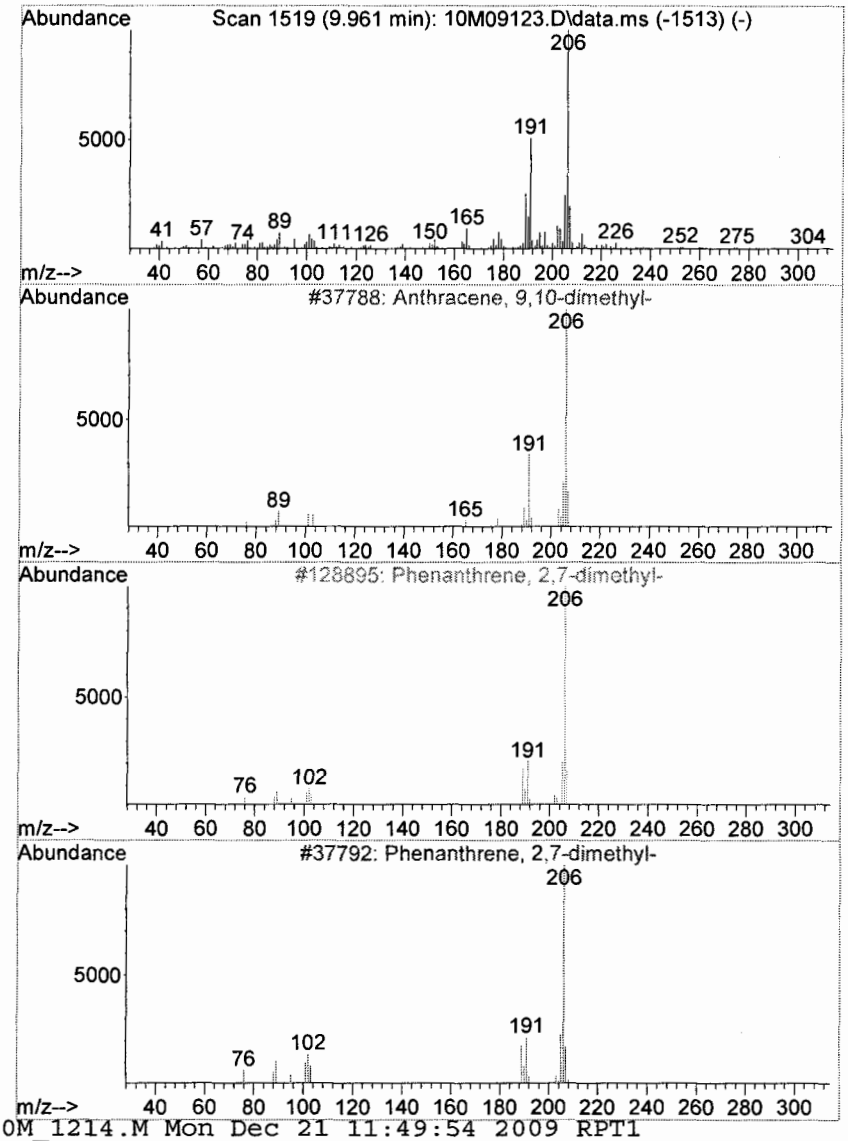
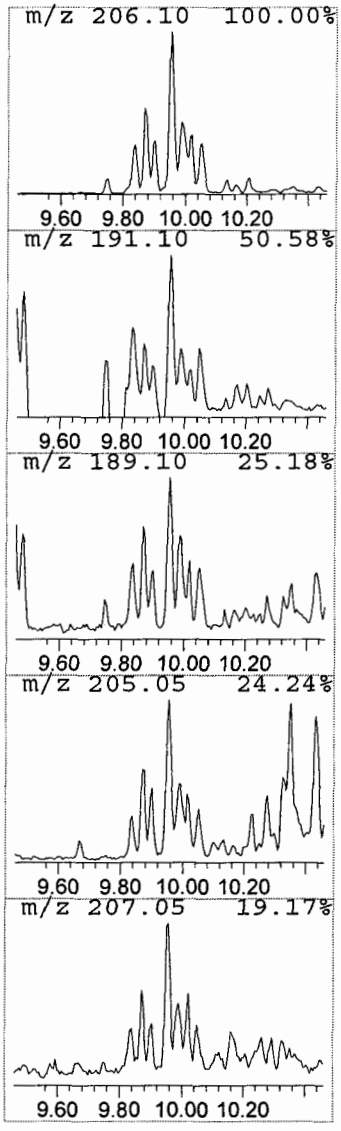
Peak Number 17 Anthracene, 9,10-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	15.36 ng	357841	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dimethyl-	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

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Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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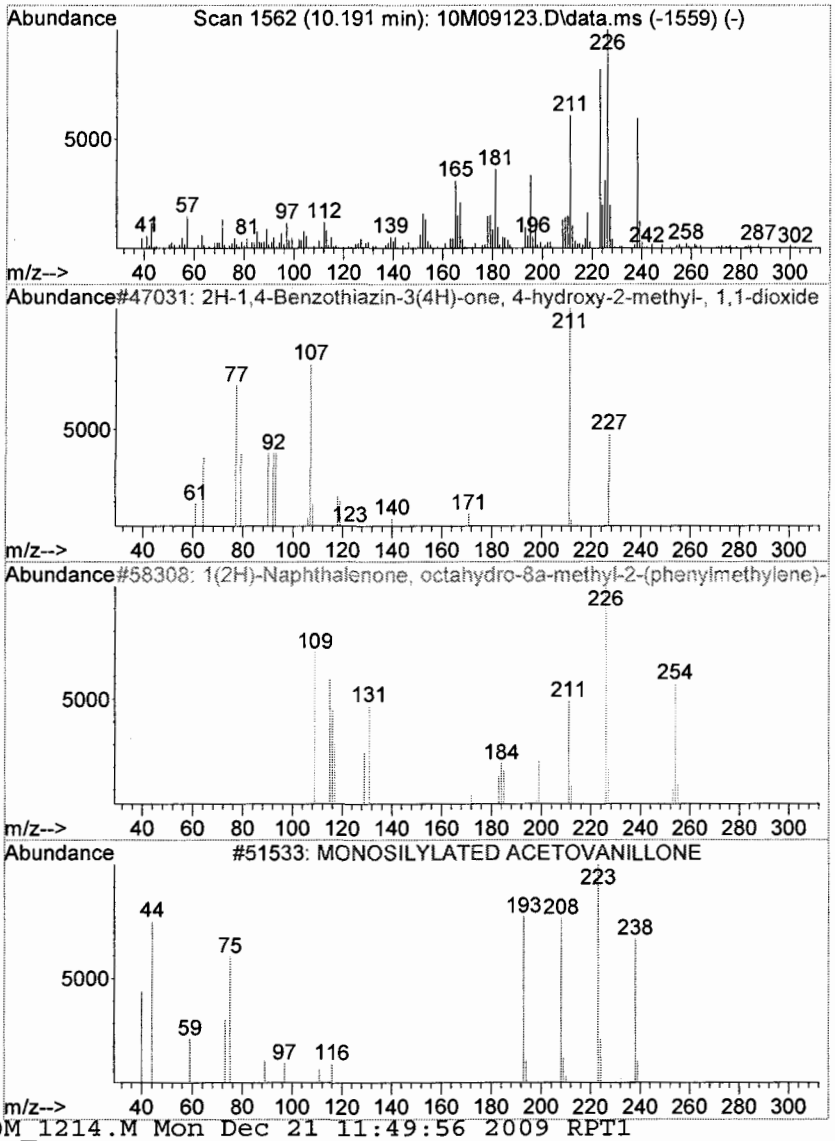
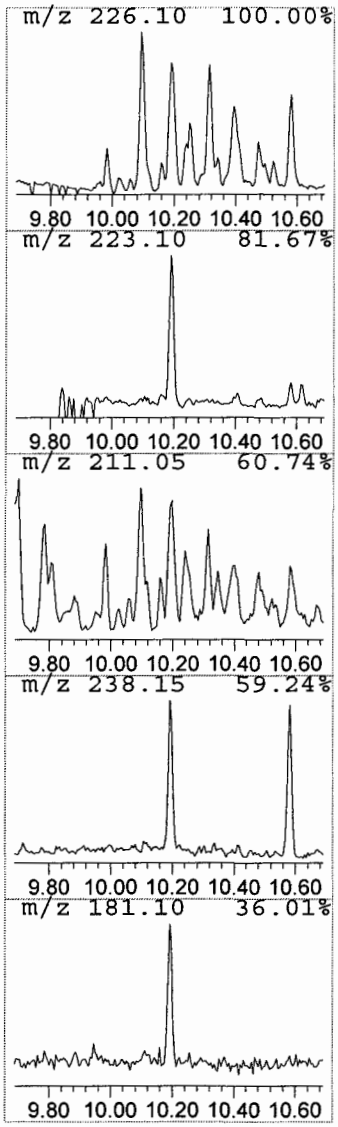
Peak Number 18 2H-1,4-Benzothiazin-3(4H)-o... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.19	7.72 ng	179959	Phenanthrene-d10	8.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,4-Benzothiazin-3(4H)-one, 4...	227	C9H9NO4S	005522-01-0	90
2	1(2H)-Naphthalenone, octahydro-8...	254	C18H22O	017429-44-6	90
3	MONOSILYLATED ACETOVANILLONE	238	C12H18O3Si	000000-00-0	83
4	Benzene, 1,1'-[(methylthio)ethen...	226	C15H14S	015096-10-3	45
5	1-Propene-2-thiol, 1,1-diphenyl-	226	C15H14S	074630-83-4	43





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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
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Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

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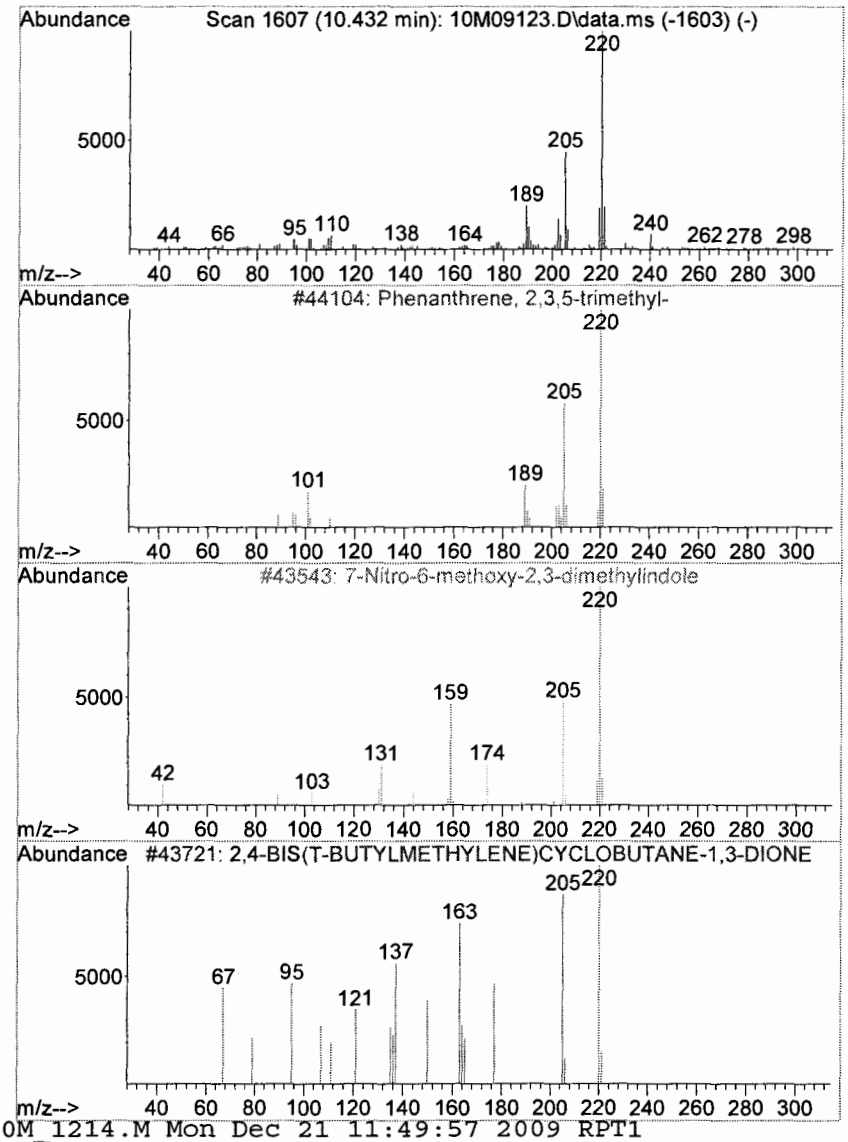
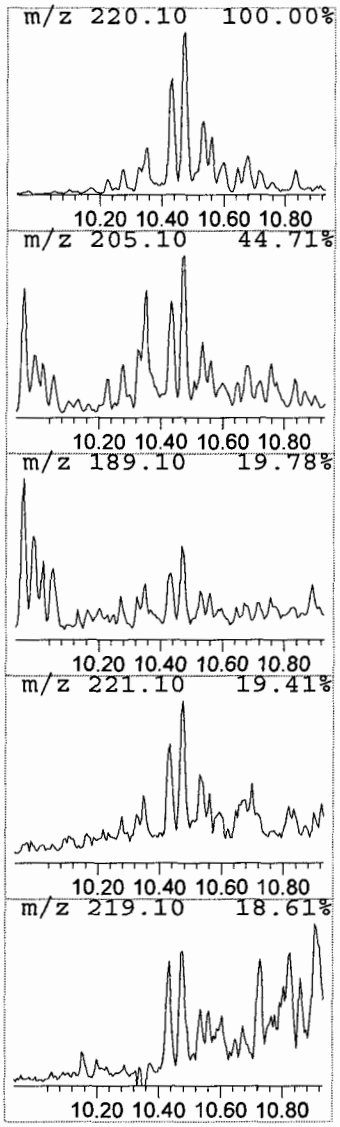
Peak Number 19 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	7.48 ng	115017	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	86
2	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	59
3	2,4-BIS(T-BUTYLMETHYLENE)CYCLOBU...	220	C14H20O2	053942-74-8	58
4	7-METHYL-ENDO-6-PHENYLBENZOBICYC...	220	C17H16	000000-00-0	53
5	3,4'-DIFLUORO-4-METHOXYBIPHENYL	220	C13H10F2O	000000-00-0	53





Library Search Compound Report

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Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

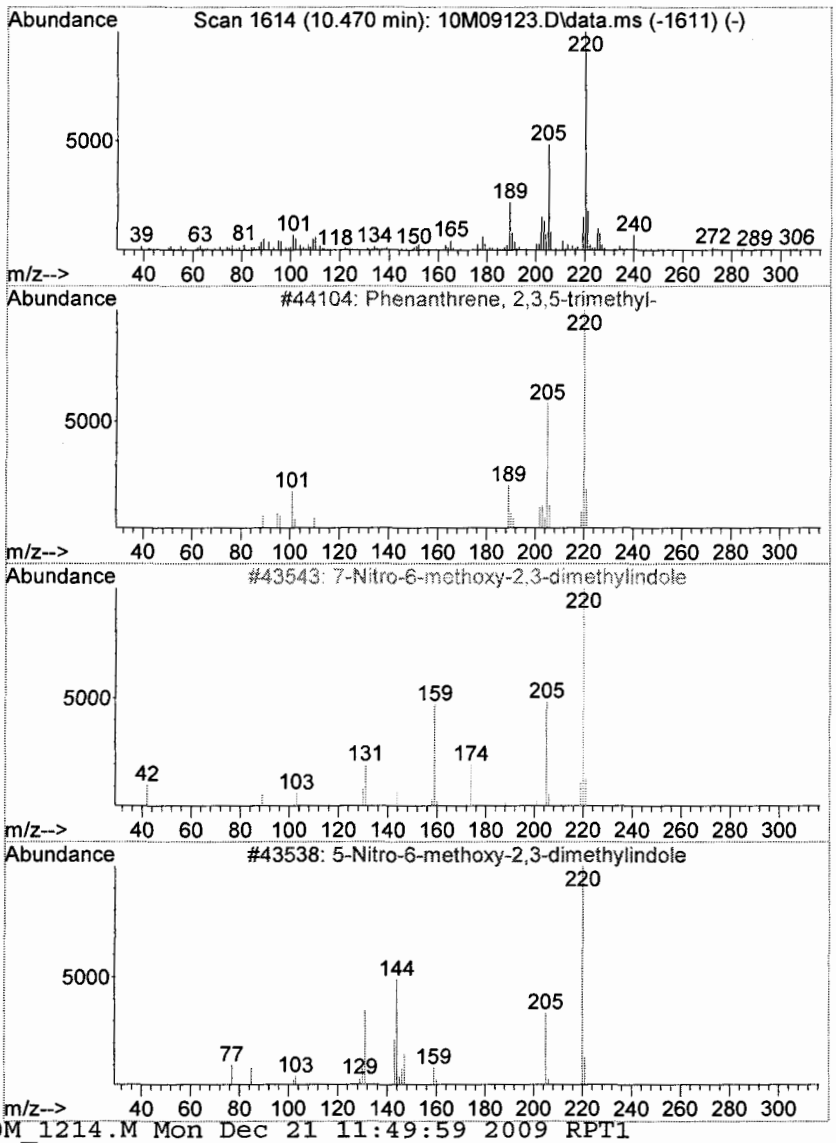
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

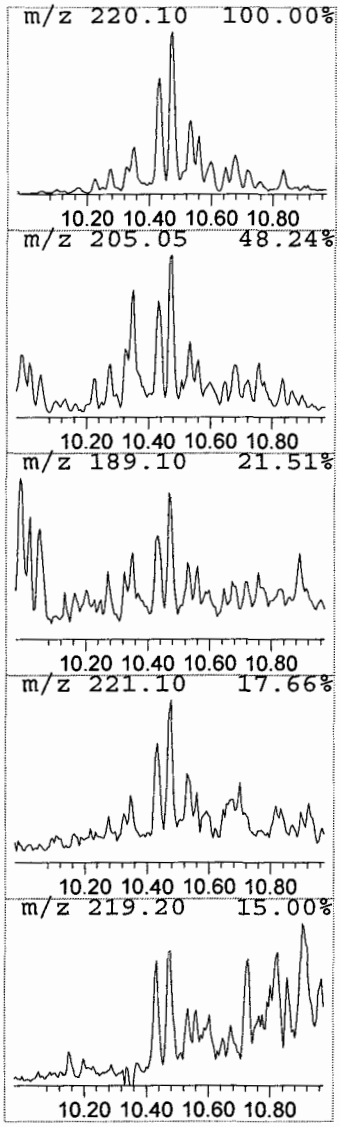
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	11.53 ng	177328	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	81
2	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	64
3	5-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-70-3	58
4	2,4-BIS(T-BUTYLMETHYLENE)CYCLOBU...	220	C14H20O2	053942-74-8	58
5	1-PHENYL-3,4-DIMETHYLPHOSPHOLE S...	220	C12H13PS	030540-37-5	53





Library Search Compound Report

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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

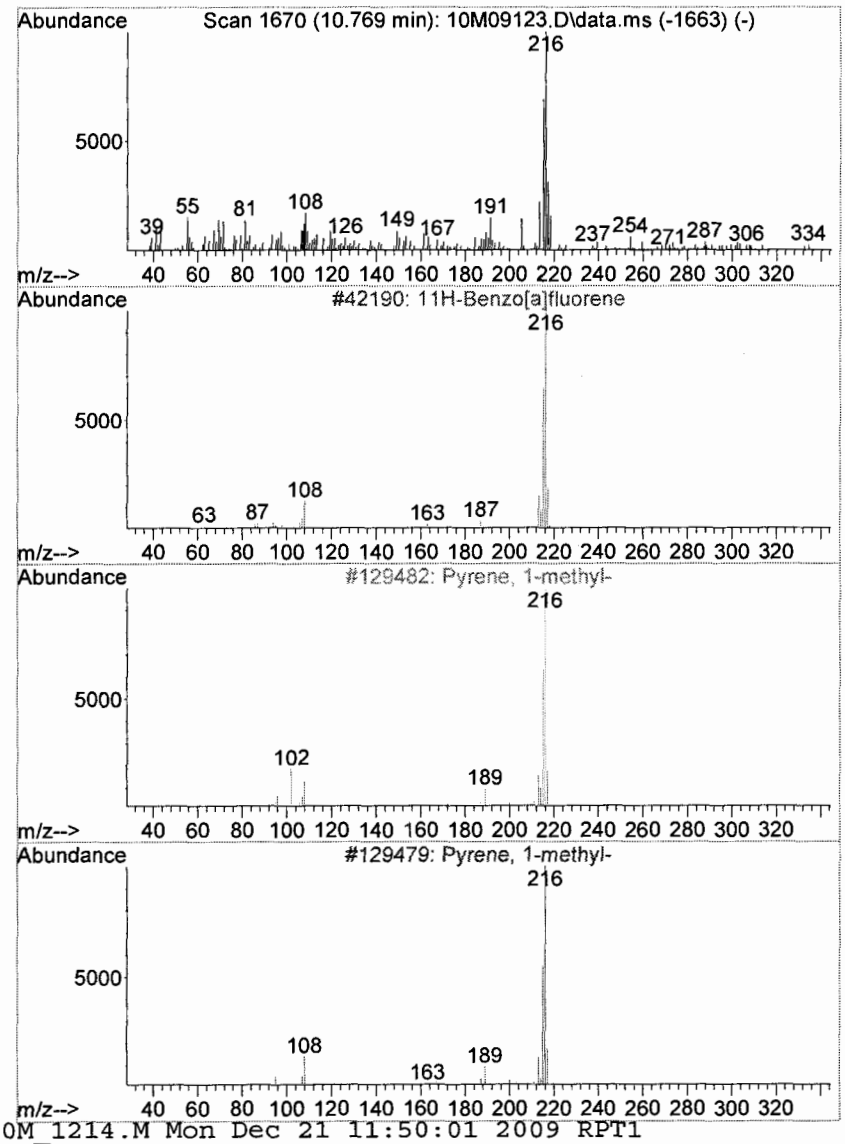
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

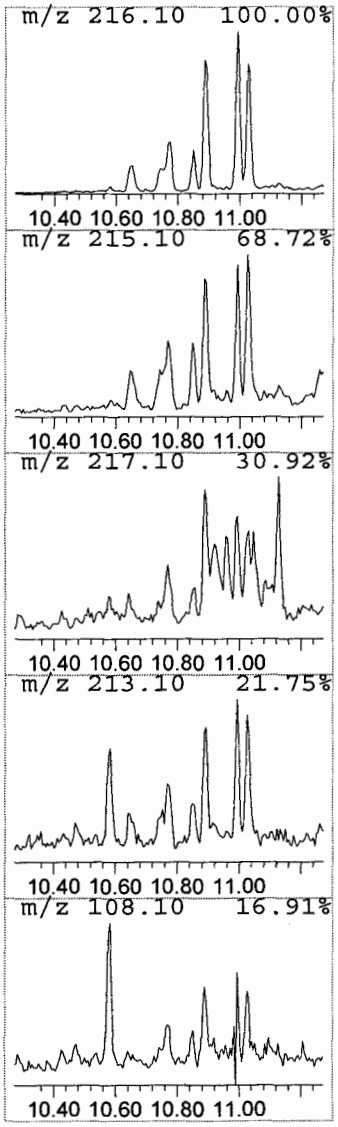
****

Peak Number 21 11H-Benzo[a]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	10.05 ng	154599	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

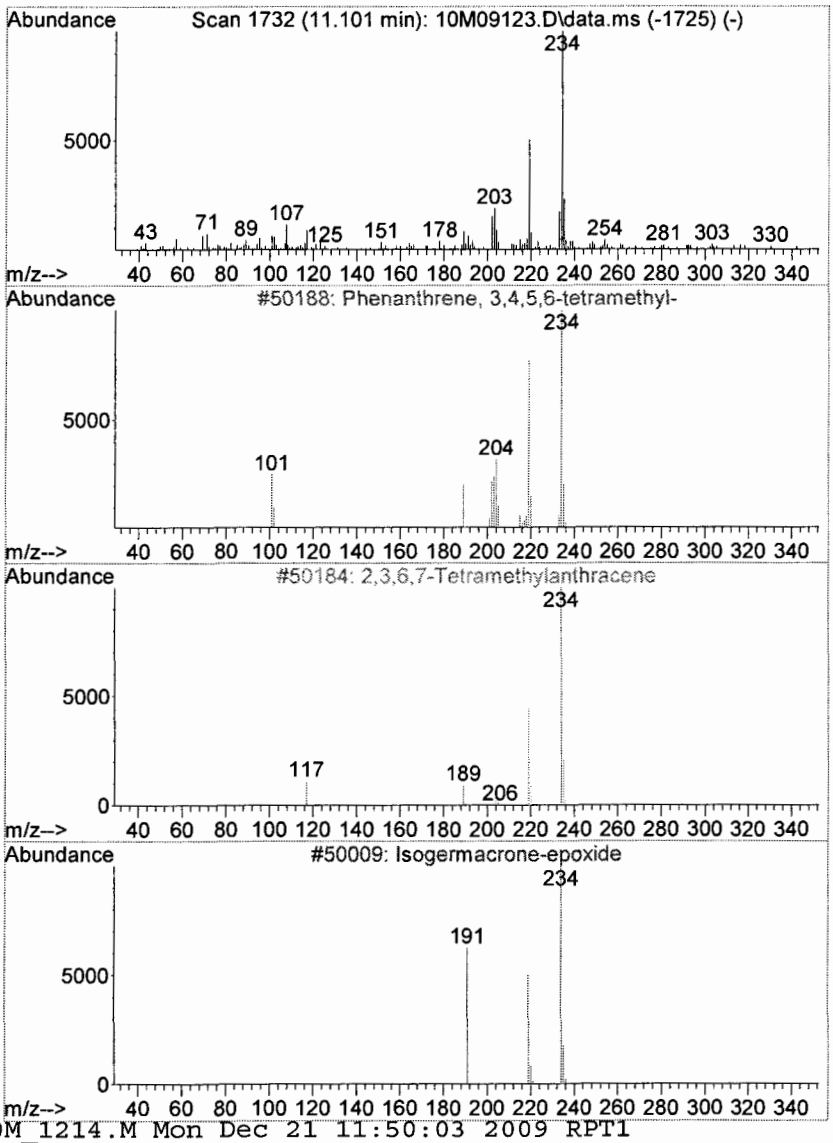
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

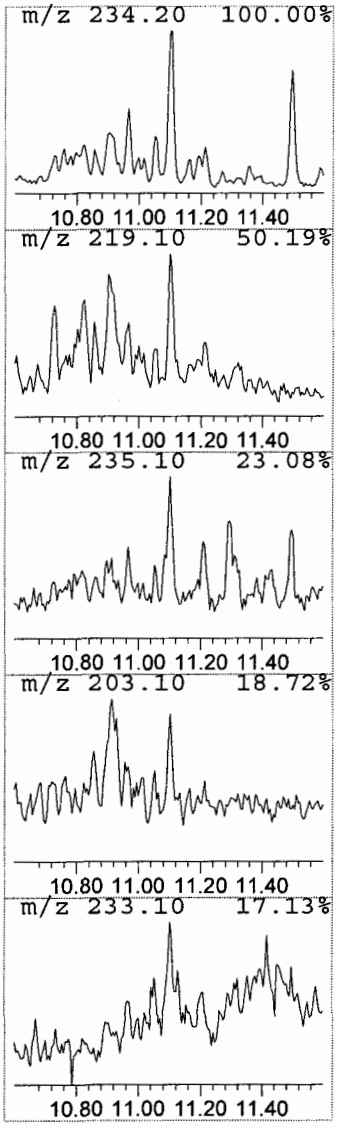
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Phenanthrene, 3,4,5,6-tetra... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	7.69 ng	118269	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	78
2	2,3,6,7-Tetramethylanthracene	234	C18H18	015254-25-8	64
3	Isogermacrone-epoxide	234	C15H22O2	089362-62-9	59
4	2-Isopropylidene-5,9-dimethyl-4-...	234	C15H22O2	089293-91-4	59
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	56





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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

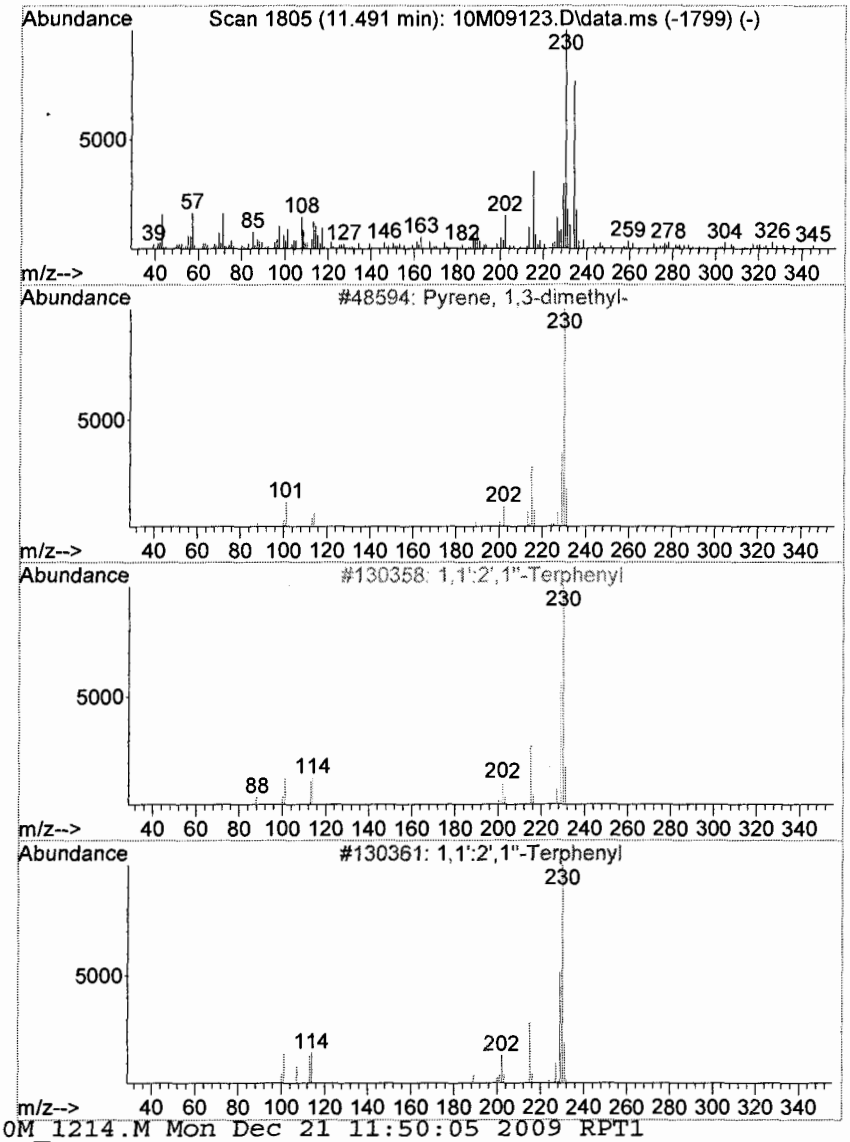
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

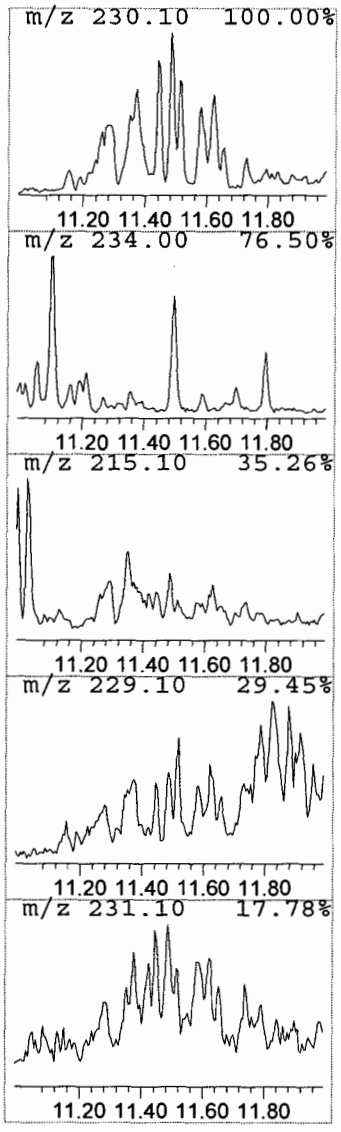
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Pyrene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	11.34 ng	174475	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
2	1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	42
3	1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	38
4	1,1':2',1''-Terphenyl	230	C18H14	000084-15-1	38
5	Pyrene, 1,9-dimethyl-	230	C18H14	074298-70-7	38





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

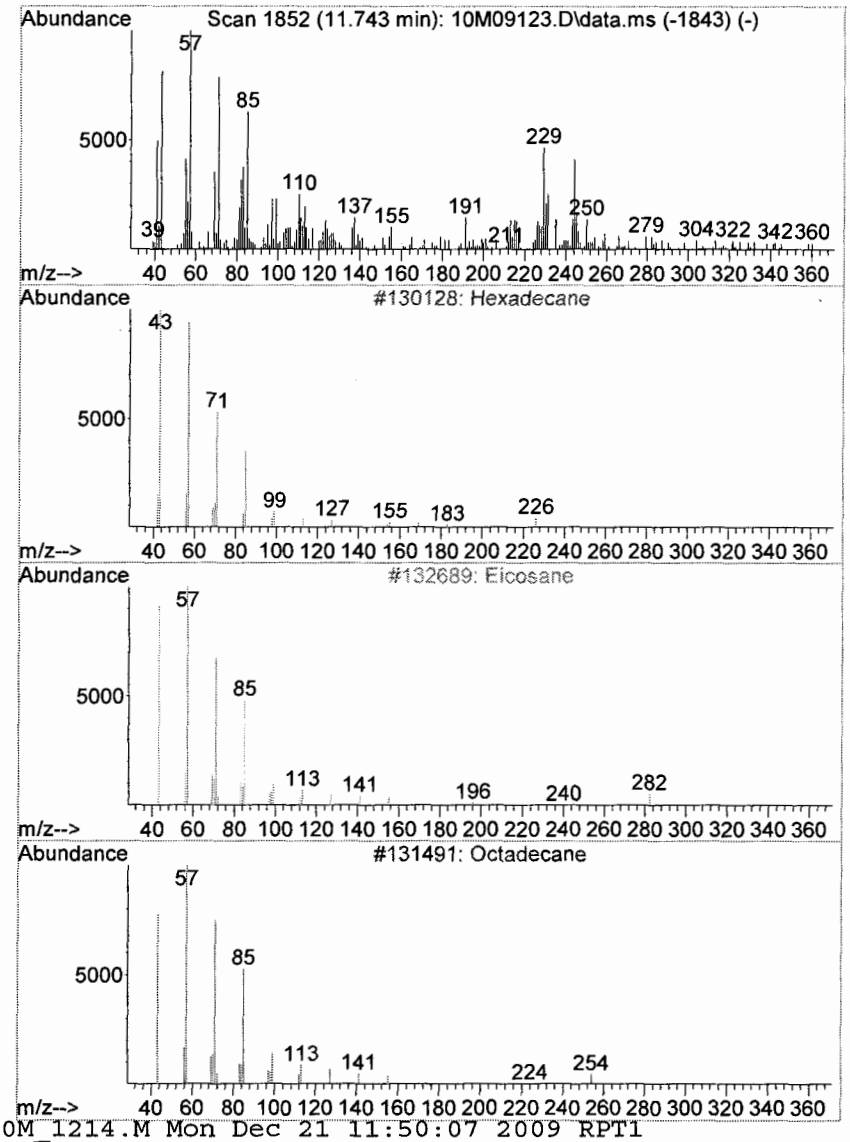
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

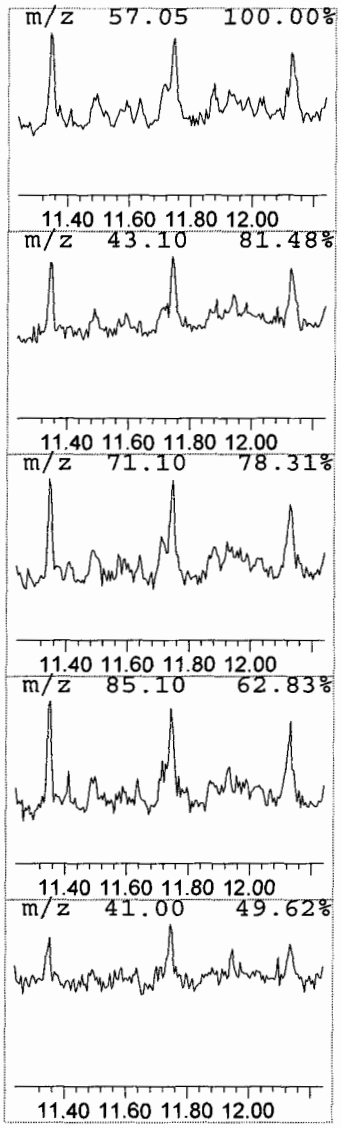
****

Peak Number 24 unknown Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	10.09 ng	155201	Chrysene-d12	11.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	42
2	Eicosane	282	C20H42	000112-95-8	42
3	Octadecane	254	C18H38	000593-45-3	42
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	42
5	Hexadecane	226	C16H34	000544-76-3	38





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

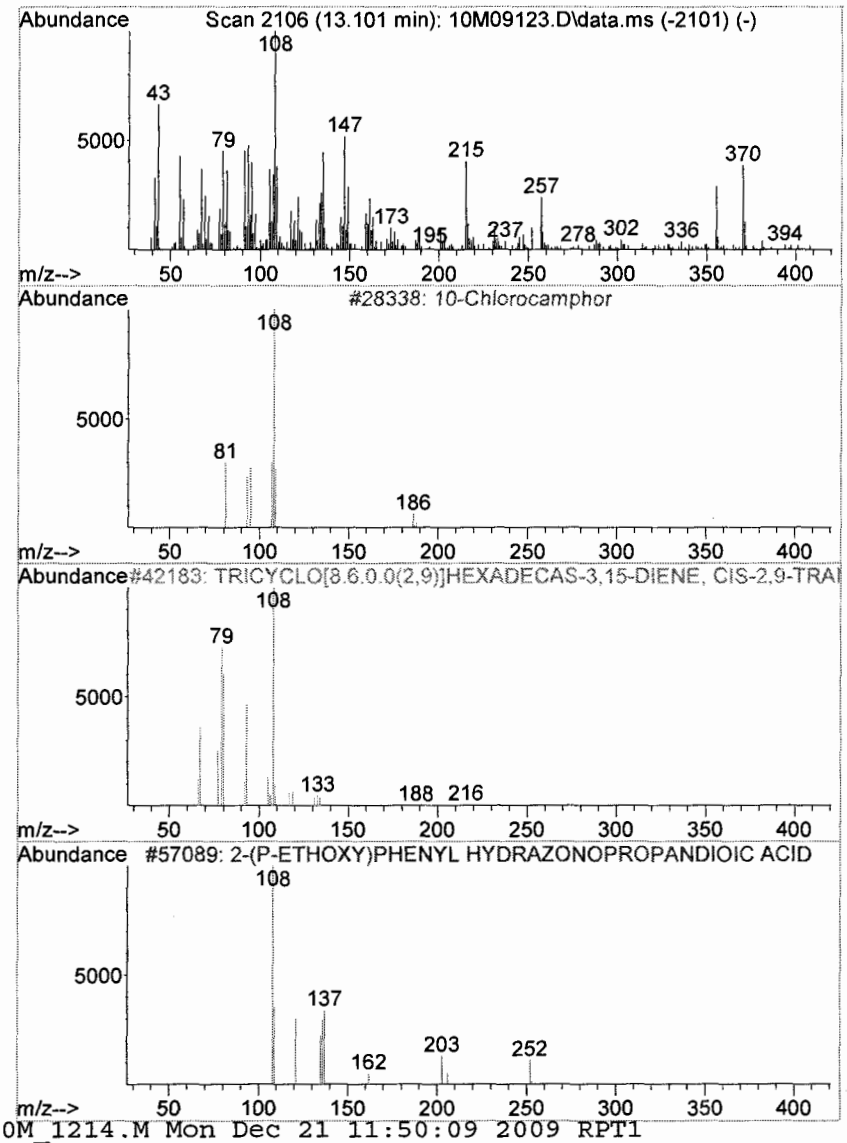
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

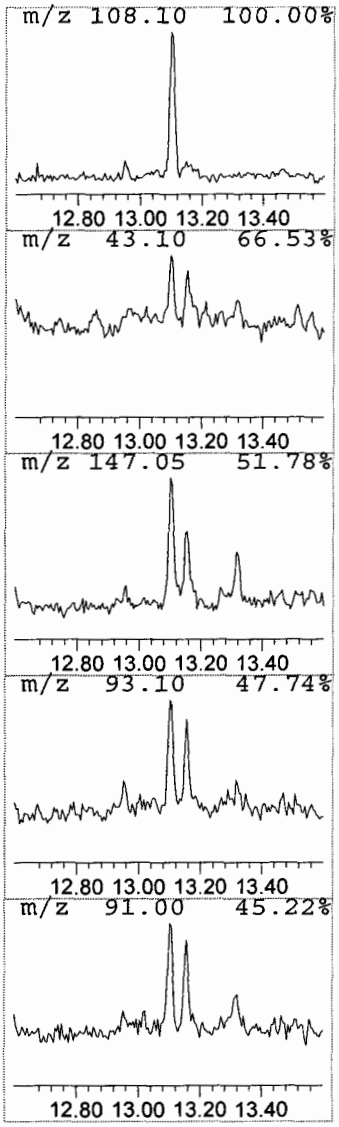
****

Peak Number 25 unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	13.92 ng	200618	Perylene-d12	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Chlorocamphor	186	C10H15ClO	091200-93-0	22
2	TRICYCLO[8.6.0.0(2,9)]HEXADECAS-...	216	C16H24	000000-00-0	15
3	2-(P-ETHOXY)PHENYL HYDRAZONOPROP...	252	C11H12N2O5	072012-97-6	14
4	Lonicerine	370	C21H26N2O4	026988-11-4	12
5	6,7-Didehydro-7-norpinguisone	216	C14H16O2	079866-14-1	11





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

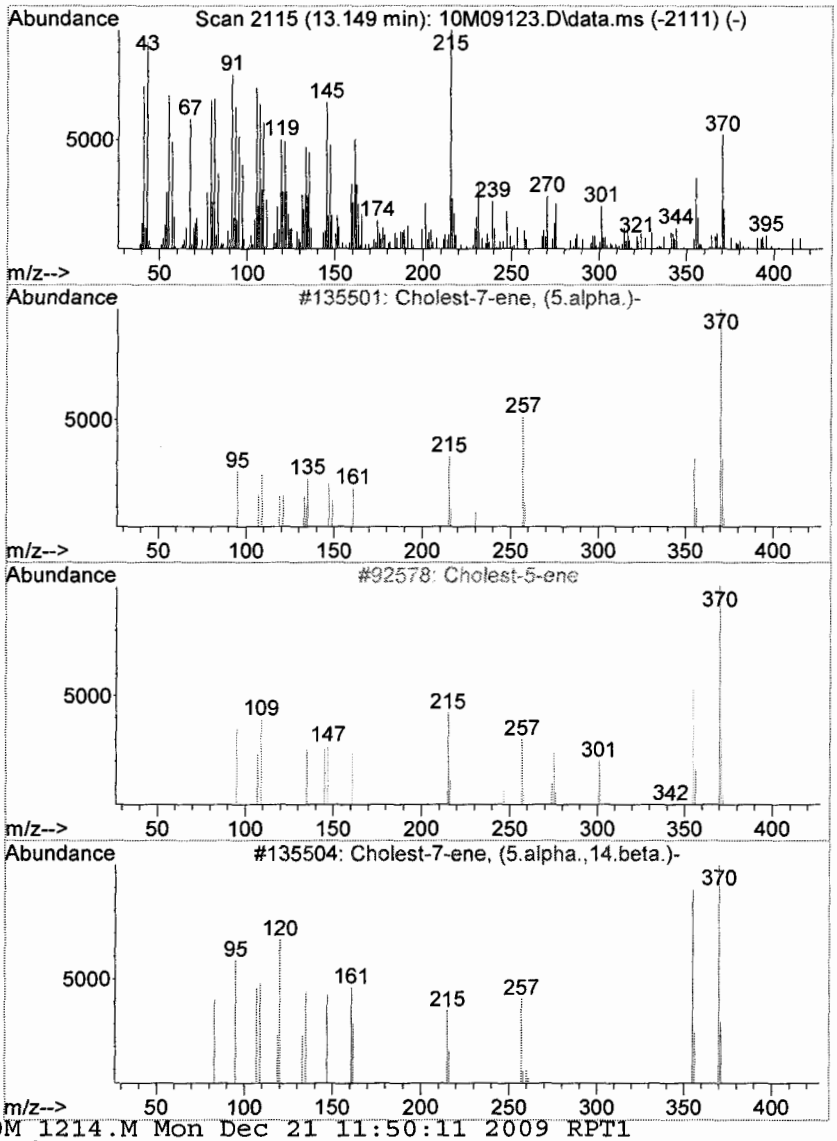
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

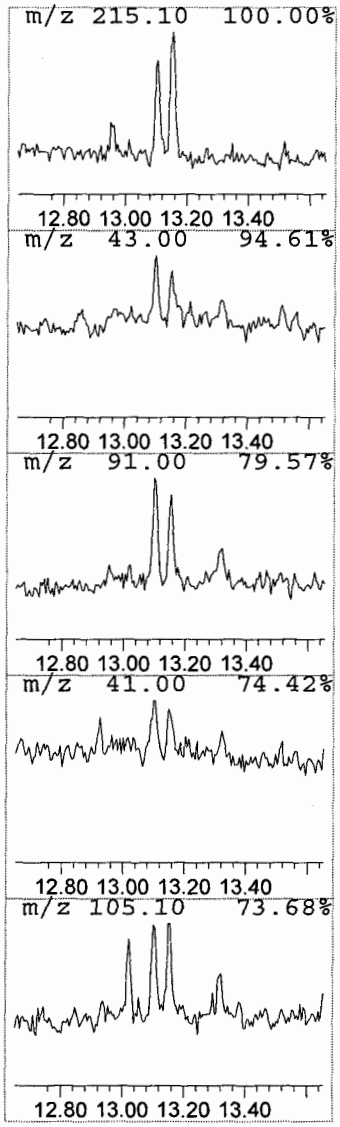
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Cholest-7-ene, (5.alpha.)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	11.74 ng	169197	Perylene-d12	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholest-7-ene, (5.alpha.)-	370	C27H46	040071-65-6	64
2	Cholest-5-ene	370	C27H46	000570-74-1	62
3	Cholest-7-ene, (5.alpha.,14.beta.)-	370	C27H46	040071-68-9	46
4	Cholest-7-ene, (5.alpha.)-	370	C27H46	040071-65-6	45
5	Cholest-7-ene, (5.alpha.)-	370	C27H46	040071-65-6	45





Library Search Compound Report

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Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

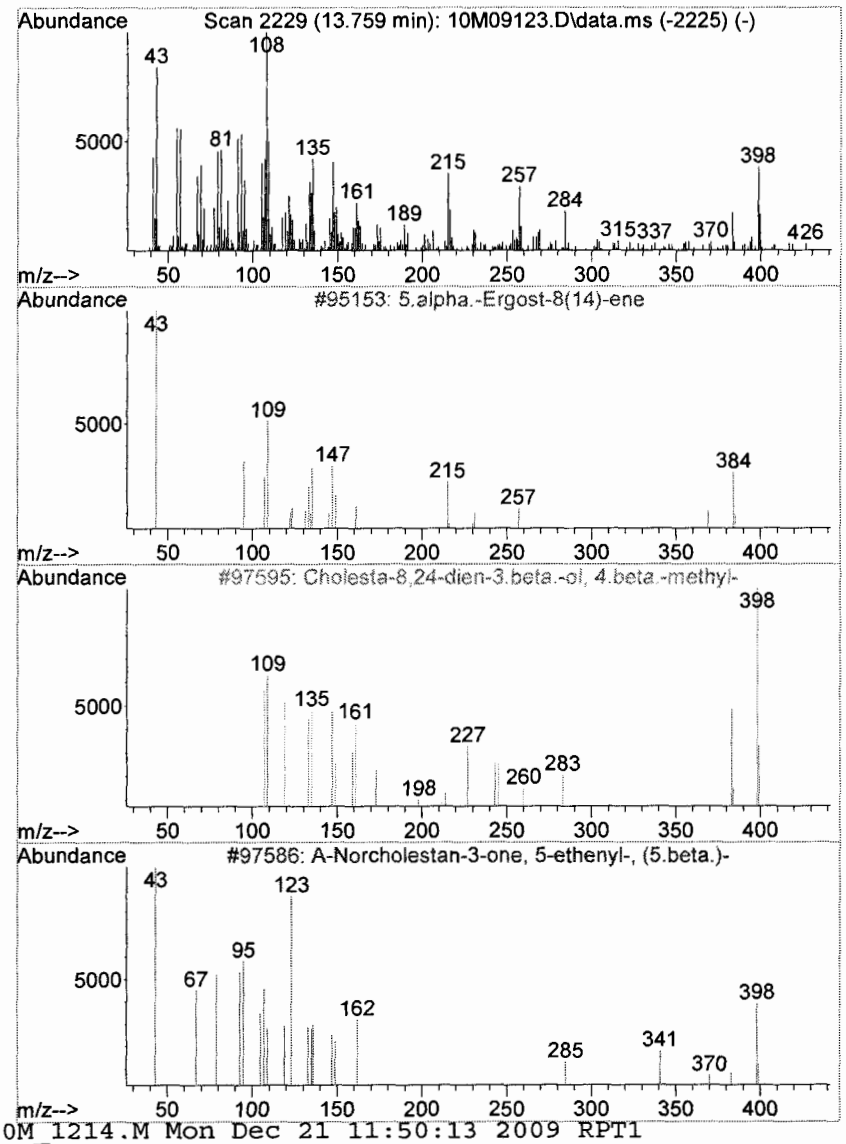
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

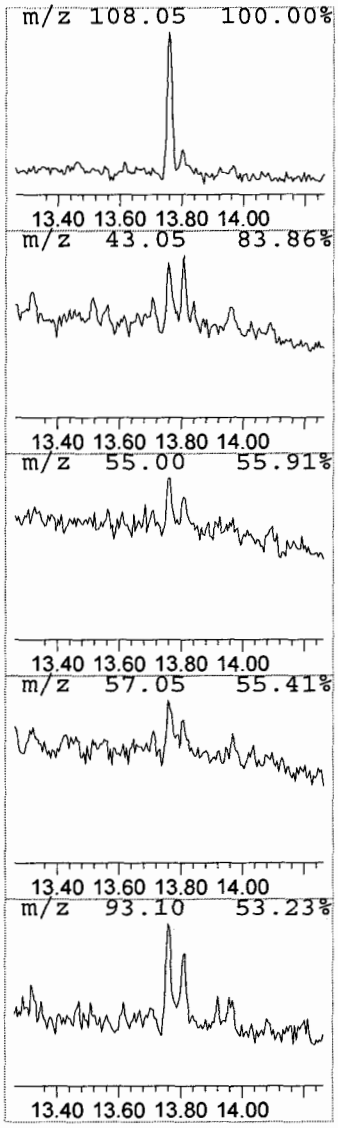
****

Peak Number 27 5.alpha.-Ergost-8(14)-ene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	14.81 ng	213455	Perylene-d12	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.alpha.-Ergost-8(14)-ene	384	C28H48	006673-69-4	68
2	Cholesta-8,24-dien-3.beta.-ol, 4...	398	C28H46O	015737-15-2	43
3	A-Norcholestan-3-one, 5-ethenyl-...	398	C28H46O	019594-90-2	25
4	DESOXYPODOPYLLOTOXIN	398	C22H22O7	019186-35-7	25
5	(24S)-5.ALPHA.-ERGOST-8(14)-EN-3...	398	C28H46O	052908-12-0	23





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Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

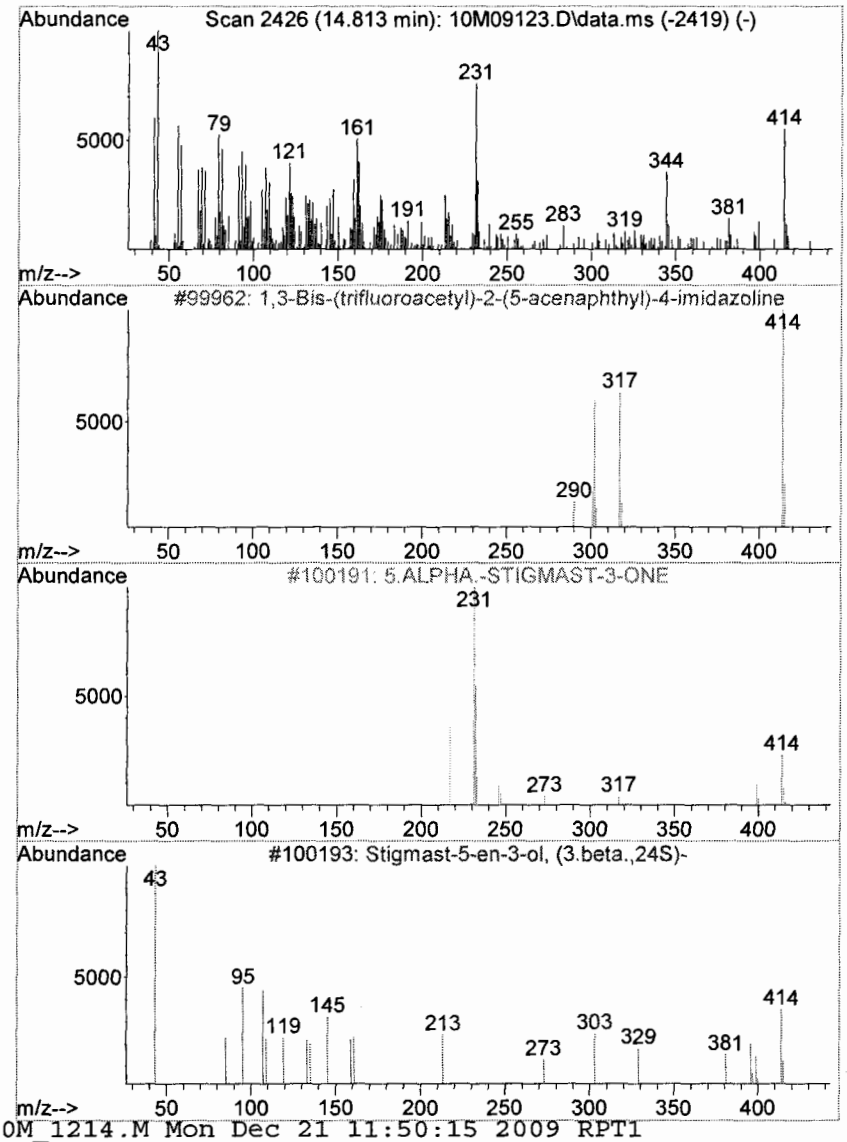
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

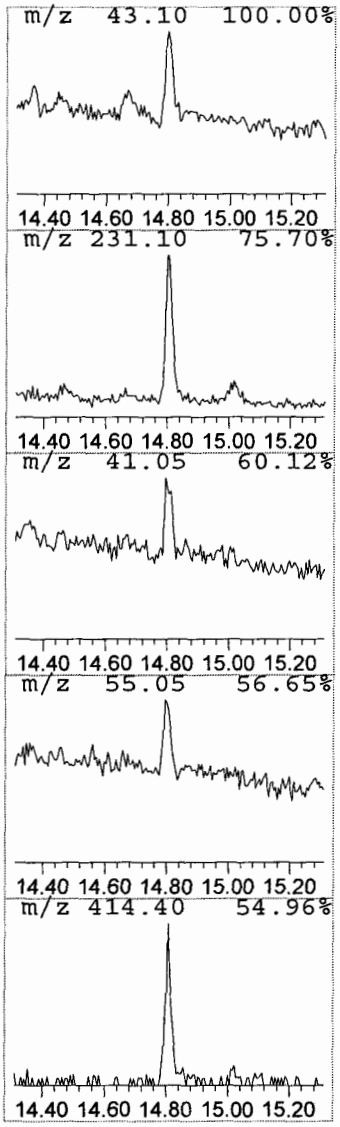
****

Peak Number 28 unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	13.93 ng	200880	Perylene-d12	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Bis-(trifluoroacetyl)-2-(5-a...	414	C19H12F6N2O2	077144-97-9	42
2	5.ALPHA.-STIGMAST-3-ONE	414	C29H50O	000083-46-5	40
3	Stigmast-5-en-3-ol, (3.beta.,24S)-	414	C29H50O	000083-47-6	22
4	Quinoline, 4-styryl-	231	C17H13N	004594-84-7	15
5	Phosphinous chloride, (1-methyle...	246	C13H24ClP	074630-17-4	12





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09123.D
Acq On : 18 Dec 2009 13:44
Operator : AHD
Sample : AC48886-002
Misc : S,BNA
ALS Vial : 5 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.44	2295.1	ng	18484200	1	5.08	5.08	322157	40.0
Naphthalene, 1-me...	6.71	14.0	ng	193574	2	6.11	6.11	553038	40.0
Naphthalene, 2-et...	7.05	9.5	ng	152136	3	7.43	7.43	639498	40.0
Naphthalene, 1,5-...	7.11	18.3	ng	291925	3	7.43	7.43	639498	40.0
Naphthalene, 2,3-...	7.16	25.4	ng	405577	3	7.43	7.43	639498	40.0
Naphthalene, 1,3-...	7.26	7.3	ng	116882	3	7.43	7.43	639498	40.0
Naphthalene, 2-(1...	7.53	10.3	ng	164530	3	7.43	7.43	639498	40.0
Naphthalene, 1,4,...	7.61	10.3	ng	164652	3	7.43	7.43	639498	40.0
Naphthalene, 1,4,...	7.78	9.9	ng	157950	3	7.43	7.43	639498	40.0
unknown	7.97	9.1	ng	146188	3	7.43	7.43	639498	40.0
9H-Fluorene, 2-me...	8.45	10.3	ng	239328	4	8.81	8.81	932011	40.0
Phenanthrene, 4-m...	9.34	10.6	ng	247733	4	8.81	8.81	932011	40.0
(E)-6-Ethylidene-...	9.37	11.3	ng	263233	4	8.81	8.81	932011	40.0
Methyl 5-(2,4-dic...	9.45	14.8	ng	345229	4	8.81	8.81	932011	40.0
unknown	9.84	10.1	ng	236313	4	8.81	8.81	932011	40.0
Phenanthrene, 2,7...	9.87	14.2	ng	331574	4	8.81	8.81	932011	40.0
Anthracene, 9,10-...	9.96	15.4	ng	357841	4	8.81	8.81	932011	40.0
2H-1,4-Benzothiaz...	10.19	7.7	ng	179959	4	8.81	8.81	932011	40.0
Phenanthrene, 2,3...	10.43	7.5	ng	115017	5	11.80	11.80	615386	40.0
Phenanthrene, 2,3...	10.47	11.5	ng	177328	5	11.80	11.80	615386	40.0
11H-Benzo[a]fluorene	10.77	10.0	ng	154599	5	11.80	11.80	615386	40.0
Phenanthrene, 3,4...	11.10	7.7	ng	118269	5	11.80	11.80	615386	40.0
Pyrene, 1,3-dimet...	11.49	11.3	ng	174475	5	11.80	11.80	615386	40.0
unknown	11.74	10.1	ng	155201	5	11.80	11.80	615386	40.0
unknown	13.10	13.9	ng	200618	6	13.38	13.38	576678	40.0
Cholest-7-ene, (5...	13.15	11.7	ng	169197	6	13.38	13.38	576678	40.0
5.alpha.-Ergost-8...	13.76	14.8	ng	213455	6	13.38	13.38	576678	40.0
unknown	14.81	13.9	ng	200880	6	13.38	13.38	576678	40.0

GC/MS Semi-Volatile Data
Standards Data

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

0293

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M09017.	CAL BNA@50PPM	12/14/09 12:56	2	10M09020.	CAL BNA@2PPM	12/14/09 14:02
3	10M09019.	CAL BNA@10PPM	12/14/09 13:40	4	10M09018.	CAL BNA@20PPM	12/14/09 13:18
5	10M09016.	CAL BNA@80PPM	12/14/09 12:34	6	10M09015.	CAL BNA@120PPM	12/14/09 12:11
7	10M09014.	CAL BNA@160PPM	12/14/09 11:49	8	10M09013.	CAL BNA@196PPM	12/14/09 11:27

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.2820	1.2290	1.1182	1.2067	1.2691	1.3112	1.2809	1.3599	-----	1.26	2.14	0.998	0.999	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Avg	0.7144	0.6255	0.7082	0.7027	0.6943	0.7298	0.7438	0.7647	-----	0.710	2.09	0.999	1.00	5.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.1170	0.9168	1.0400	1.0958	1.1286	1.1794	1.2001	1.2261	-----	1.11	3.97	0.999	1.00	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	LinF	1.1166	1.3363	1.1398	1.1206	1.1470	1.0990	1.0773	1.0569	-----	1.14	4.84	0.999	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Qua	1.6471	1.2368	1.2309	1.4204	1.6084	1.8322	1.9508	1.9747	-----	1.61	4.94	0.996	0.999	18		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.5593	0.6766	0.5719	0.5499	0.5724	0.5958	0.5995	0.5917	-----	0.590	4.98	1.00	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.0922	1.3368	1.1959	1.1793	1.0994	1.1205	1.1499	1.1518	-----	1.17	5.01	0.999	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.5501	1.6268	1.5324	1.5402	1.5760	1.6496	1.7031	1.7372	-----	1.61	4.93	0.998	1.00	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.7516	1.8541	1.7073	1.6928	1.7339	1.8246	1.8584	1.8967	-----	1.79	4.94	0.999	1.00	4.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.3130	1.4207	1.3027	1.3147	1.3127	1.3883	1.4006	1.4140	-----	1.36	5.05	0.999	1.00	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.1726	1.4026	1.1588	1.1858	1.2085	1.2029	1.2868	1.2928	-----	1.24	5.10	0.998	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.3-Dichlorobenzene	1	0	Avg	1.4287	1.7064	1.4374	1.4345	1.4263	1.4856	1.5139	1.5178	-----	1.49	5.17	0.999	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dichlorobenzene	1	0	Avg	1.4745	1.8212	1.5548	1.5054	1.4896	1.4957	1.5447	1.5849	-----	1.56	5.24	0.999	1.00	7.2	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Dichlorobenzene	1	0	Avg	1.4006	1.7004	1.4752	1.3686	1.4182	1.4499	1.4978	1.4928	-----	1.48	5.37	0.999	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.8477	0.8095	0.8327	0.8407	0.8327	0.8934	0.9180	0.9293	-----	0.863	5.36	0.999	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	1.1422	1.3956	1.1738	1.1565	1.1389	1.1720	1.2120	1.2334	-----	1.20	5.47	0.999	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.1723	1.3874	1.2256	1.2211	1.1873	1.2366	1.2576	1.2781	-----	1.25	5.46	0.999	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acetophenone	1	0	Avg	2.2001	2.5385	2.1195	2.1910	2.1611	2.2253	2.3265	2.3451	-----	2.26	5.57	0.999	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.5700	0.6290	0.5738	0.5642	0.5602	0.5818	0.5831	0.5838	-----	0.581	5.64	1.00	1.00	3.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	0.9898	1.1722	0.9954	0.9805	0.9816	1.0259	1.0508	1.0592	-----	1.03	5.58	0.999	1.00	6.2	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.2593	1.4454	1.2906	1.2752	1.2521	1.3053	1.3290	1.3313	-----	1.31	5.59	0.999	1.00	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Nitrobenzene-d5	1	0	Avg	0.1642	0.1771	0.1568	0.1525	0.1618	0.1673	0.1724	0.1722	-----	0.166	5.69	0.999	1.00	5.1		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3655	0.4134	0.3555	0.3580	0.3531	0.3509	0.3747	0.3812	-----	0.369	5.71	0.998	0.999	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.6630	0.7646	0.6530	0.6610	0.6479	0.6560	0.6845	0.6845	-----	0.677	5.90	0.999	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1955	0.2083	0.1920	0.1787	0.1961	0.1943	0.2065	0.2115	-----	0.198	5.96	0.998	1.00	5.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dimethylphenol	1	0	Avg	0.3658	0.4048	0.3433	0.3526	0.3597	0.3563	0.3760	0.3858	-----	0.368	6.00	0.998	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.2442	-----	0.1588	0.1991	0.2415	0.2595	0.2630	0.2661	-----	0.233	6.09	0.999	1.00	17		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)met	1	0	Avg	0.3808	0.4612	0.3715	0.3741	0.3762	0.3786	0.3903	0.4058	-----	0.392	6.07	0.998	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dichlorophenol	1	0	Avg	0.3070	0.3558	0.2863	0.2930	0.3083	0.3051	0.3189	0.3250	-----	0.312	6.15	0.999	1.00	6.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4-Trichlorobenzene	1	0	Avg	0.3517	0.4167	0.3385	0.3432	0.3523	0.3465	0.3682	0.3728	-----	0.361	6.21	0.998	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0429	1.2855	1.0528	1.0275	1.0400	1.0310	1.0807	1.1130	-----	1.08	6.26	0.998	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Qua	0.3578	0.3231	0.2870	0.3096	0.3455	0.3300	0.3075	0.2839	-----	0.318	6.31	0.989	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.2022	0.2538	0.1994	0.1993	0.2022	0.1993	0.2069	0.2129	-----	0.210	6.35	0.999	1.00	8.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1243	0.1423	0.1139	0.1244	0.1232	0.1265	0.1311	0.1307	-----	0.127	6.58	0.999	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3249	0.3543	0.3251	0.3137	0.3220	0.3217	0.3361	0.3342	-----	0.329	6.68	0.999	1.00	3.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7323	0.9089	0.6909	0.7105	0.7228	0.7312	0.7658	0.7806	-----	0.755	6.77	0.999	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7323	0.9089	0.6909	0.7105	0.7228	0.7312	0.7658	0.7806	-----	0.755	6.77	0.999	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.1'-Biphenyl	1	0	Avg	1.0688	1.2712	1.0411	1.0541	1.0608	1.0827	1.1310	1.1483	-----	1.11	7.13	0.999	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2.4.5-Tetrachloroben	1	0	Avg	0.7534	0.8217	0.7236	0.7291	0.7236	0.7297	0.7705	0.8037	-----	0.757	6.90	0.997	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.0802	-----	0.0063	0.0264	0.0750	0.1043	0.1483	0.1549	-----	0.0851	6.89	0.959	0.993	66	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Trichlorophenol	1	0	Avg	0.3704	0.3945	0.3508	0.3512	0.3662	0.3675	0.3973	0.4099	-----	0.376	6.99	0.996	1.00	5.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.38

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M09017.	CAL BNA@50PPM	12/14/09 12:56	2	10M09020.	CAL BNA@2PPM	12/14/09 14:02
3	10M09019.	CAL BNA@10PPM	12/14/09 13:40	4	10M09018.	CAL BNA@20PPM	12/14/09 13:18
5	10M09016.	CAL BNA@80PPM	12/14/09 12:34	6	10M09015.	CAL BNA@120PPM	12/14/09 12:11
7	10M09014.	CAL BNA@160PPM	12/14/09 11:49	8	10M09013.	CAL BNA@196PPM	12/14/09 11:27

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.4084	0.4401	0.3765	0.3889	0.3968	0.3964	0.4219	0.4360	-----	0.408	7.03	0.997	1.00	5.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3432	1.5143	1.3236	1.3484	1.3414	1.3208	1.4013	1.4256	-----	1.38	7.05	0.999	1.00	4.8		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1669	1.3914	1.1015	1.1608	1.1371	1.1387	1.2060	1.2345	-----	1.19	7.14	0.998	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	1.2424	1.5646	1.1803	1.2242	1.2339	1.2418	1.3217	1.3538	-----	1.30	7.40	0.998	1.00	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.2424	1.5646	1.1803	1.2242	1.2339	1.2418	1.3217	1.3538	-----	1.30	7.40	0.998	1.00	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9813	1.1173	0.9420	0.9707	0.9491	0.9539	1.0212	1.0601	-----	1.00	7.21	0.997	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.4196	0.3377	0.3278	0.4095	0.4055	0.3252	0.3304	0.3379	-----	0.362	7.23	0.990	0.992	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9429	2.2566	1.8643	1.8983	1.8793	1.8948	2.0246	2.0893	-----	1.98	7.47	0.997	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3818	1.7019	1.3670	1.3242	1.3299	1.3414	1.4091	1.4344	-----	1.41	7.37	0.998	1.00	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.3234	0.3693	0.3105	0.3157	0.3097	0.3086	0.3290	0.3341	-----	0.325	7.42	0.998	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2189	1.4679	1.1815	1.1912	1.2238	1.2185	1.2745	1.3238	-----	1.26	7.62	0.998	1.00	7.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.2888	0.2978	0.2697	0.2837	0.2762	0.2724	0.2590	0.2617	-----	0.276	7.56	0.999	0.999	4.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1336	-----	0.0436	0.0720	0.1332	0.1556	0.1817	0.1833	-----	0.129	7.66	0.989	0.998	41	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.7074	2.1456	1.6800	1.6845	1.6649	1.6947	1.8115	1.8502	-----	1.78	7.77	0.997	1.00	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrotoluene	1	0	Avg	0.4350	0.3902	0.3925	0.4250	0.4255	0.4329	0.4638	0.4657	-----	0.429	7.76	0.998	1.00	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.1837	0.1393	0.1441	0.1773	0.1775	0.1823	0.2027	0.2041	-----	0.176	7.71	0.996	0.999	13	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.3431	0.3281	0.2904	0.3221	0.3327	0.3384	0.3686	0.3770	-----	0.338	7.88	0.996	0.999	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.4807	1.6243	1.3728	1.4071	1.4447	1.4454	1.5402	1.5574	-----	1.48	8.07	0.999	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.7258	0.8620	0.6856	0.7029	0.7067	0.7118	0.7585	0.7667	-----	0.740	8.07	0.998	1.00	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.3939	1.7126	1.3603	1.3578	1.3468	1.3703	1.4364	1.4337	-----	1.43	7.96	0.999	1.00	8.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3480	0.3435	0.3218	0.3283	0.3310	0.3209	0.3293	0.3399	-----	0.333	8.09	0.999	0.999	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4636	0.5786	0.4773	0.4756	0.4600	0.4775	0.4830	0.5006	-----	0.490	8.70	0.999	1.00	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Qua	0.1404	-----	0.0836	0.1136	0.1401	0.1527	0.1605	0.1598	-----	0.136	8.13	0.998	1.00	21		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7198	0.8142	0.7136	0.6952	0.7045	0.7012	0.7499	0.7301	-----	0.729	8.18	0.999	0.999	5.3	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.1190	0.1034	0.1081	0.1108	0.1180	0.1188	0.1258	0.1231	-----	0.116	8.29	0.999	0.999	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.7580	0.8250	0.7158	0.7488	0.7432	0.7315	0.7869	0.7730	-----	0.760	8.21	0.999	0.999	4.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.2494	0.2753	0.2375	0.2477	0.2472	0.2469	0.2629	0.2644	-----	0.254	8.53	0.998	1.00	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.2622	0.3012	0.2510	0.2596	0.2564	0.2556	0.2756	0.2713	-----	0.267	8.59	0.998	0.999	6.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.4397	0.4891	0.4007	0.4307	0.4402	0.4412	0.4866	0.4828	-----	0.451	8.88	0.997	0.999	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1017	-----	0.0540	0.0795	0.0986	0.1080	0.1227	0.1259	-----	0.0987	8.79	0.993	0.999	25	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.1864	1.4547	1.1448	1.1680	1.1633	1.1813	1.2322	1.2202	-----	1.22	9.00	0.999	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.2184	1.4319	1.1593	1.1984	1.1974	1.2095	1.2674	1.2556	-----	1.24	9.06	0.999	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.1538	1.2875	1.0835	1.1356	1.1473	1.1512	1.1992	1.1843	-----	1.17	9.23	1.00	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.4011	1.5518	1.3214	1.3467	1.3570	1.3716	1.4253	1.4184	-----	1.40	9.62	0.999	1.00	5.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.3319	1.5136	1.2946	1.3084	1.3216	1.3498	1.3886	1.3445	-----	1.36	10.30	0.999	0.999	5.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.5008	1.6884	1.4269	1.4470	1.4810	1.4783	1.5622	1.6302	-----	1.53	10.56	0.997	1.00	6.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.4535	0.2544	0.2791	0.3670	0.4523	0.4631	0.4536	0.4450	-----	0.396	10.47	0.998	0.998	22		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Terphenyl-d14	1	0	Avg	1.1439	1.2229	1.0515	1.0880	1.0787	1.1137	1.1467	1.2037	-----	1.13	10.76	0.997	0.999	5.3		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
4.4'-DDE	1	0	Avg	0.3461	0.4150	0.3391	0.3482	0.3450	0.3433	0.3580	0.3727	-----	0.358	10.69	0.998	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin	1	0	Avg	0.0651	0.0778	0.0652	0.0637	0.0660	0.0655	0.0688	0.0716	-----	0.0680	10.99	0.998	1.00	6.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.4'-DDD	1	0	Avg	0.5745	0.6097	0.5435	0.5565	0.5524	0.5567	0.5925	0.6111	-----	0.575	11.09	0.997	1.00	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.38

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_10

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	10M09017.	CAL BNA@50PPM	12/14/09 12:56	2	10M09020.	CAL BNA@2PPM	12/14/09 14:02
3	10M09019.	CAL BNA@10PPM	12/14/09 13:40	4	10M09018.	CAL BNA@20PPM	12/14/09 13:18
5	10M09016.	CAL BNA@80PPM	12/14/09 12:34	6	10M09015.	CAL BNA@120PPM	12/14/09 12:11
7	10M09014.	CAL BNA@160PPM	12/14/09 11:49	8	10M09013.	CAL BNA@196PPM	12/14/09 11:27

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.6535	0.7403	0.6028	0.6418	0.6338	0.6382	0.6711	0.6840	----	0.658	11.35	0.998	1.00	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin aldehyde	1	0	Avg	0.0279	0.0372	0.0264	0.0287	0.0279	0.0265	0.0269	0.0273	----	0.0286	10.99	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4,4'-DDT	1	0	Avg	0.5042	0.4476	0.4458	0.4765	0.4998	0.5077	0.5358	0.5556	----	0.497	11.44	0.998	1.00	7.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin ketone	1	0	Avg	0.0737	0.0829	0.0706	0.0718	0.0730	0.0719	0.0728	0.0751	----	0.0740	11.90	0.999	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.3570	0.4336	0.3613	0.3271	0.3290	0.3423	0.3482	0.3254	----	0.353	11.96	0.999	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.4524	1.7508	1.4144	1.3997	1.4134	1.4029	1.4692	1.4739	----	1.47	11.97	0.999	1.00	7.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.3426	1.6498	1.3630	1.3230	1.3286	1.3436	1.3992	1.3924	----	1.39	12.02	0.999	1.00	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	0.9038	0.9892	0.8461	0.8685	0.8895	0.8939	0.9427	0.9543	----	0.911	12.05	0.999	1.00	5.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	1.3992	1.5483	1.3061	1.3540	1.3779	1.4788	1.5151	1.5367	----	1.44	12.80	0.999	1.00	6.4	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.1830	1.3973	1.1654	1.1972	1.1558	1.2417	1.3571	1.2593	----	1.24	13.18	0.995	0.996	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2714	1.4610	1.1862	1.1940	1.2584	1.2558	1.2579	1.3034	----	1.27	13.21	0.999	1.00	6.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.1817	1.3469	1.1267	1.1326	1.1583	1.1836	1.2576	1.2131	----	1.20	13.52	0.999	0.999	6.1	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2981	1.4594	1.2433	1.2496	1.2448	1.2293	1.3764	1.3423	----	1.31	14.65	0.997	0.998	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	1.0604	1.2146	1.0056	1.0510	1.0395	1.0206	1.1530	1.1369	----	1.09	14.66	0.996	0.998	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	1.0604	1.2617	1.0673	1.0718	1.0438	0.9998	1.1366	1.1010	----	1.09	14.94	0.996	0.997	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.38
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09017.D Sam Mult : 1 Vial# : 6 Qt On : 12/14/09 13:53
Acq On : 12/14/09 12:56 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.228	152	53848	40.00	ng	0.00
23) Naphthalene-d8	6.244	136	204937	40.00	ng	0.00
41) Acenaphthene-d10	7.592	164	122303	40.00	ng	0.00
67) Phenanthrene-d10	8.977	188	213124	40.00	ng	0.00
81) Chrysene-d12	11.983	240	199730	40.00	ng	0.00
96) Perylene-d12	13.572	264	218695	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.971	112	75187	48.97	ng	0.00
Spiked Amount 100.000			Recovery = 48.97%			
9) Phenol-d5	4.934	99	104341	47.30	ng	-0.01
Spiked Amount 100.000			Recovery = 47.30%			
24) Nitrobenzene-d5	5.693	128	21043	24.44	ng	0.00
Spiked Amount 50.000			Recovery = 48.88%			
46) 2-Fluorobiphenyl	7.046	172	102676	23.95	ng	0.00
Spiked Amount 50.000			Recovery = 47.90%			
70) 2,4,6-Tribromophenol	8.293	330	31714	49.20	ng	0.00
Spiked Amount 100.000			Recovery = 49.20%			
84) Terphenyl-d14	10.758	244	142803	25.80	ng	0.00
Spiked Amount 50.000			Recovery = 51.60%			
Target Compounds						Qvalue
2) Pyridine	2.136	79	86296	52.50	ng	61
3) N-Nitrosodimethylamine	2.088	74	48091	51.99	ng	69
5) Benzaldehyde	4.843	77	75160	54.40	ng	74
6) Aniline	4.944	93	110872	46.09	ng	82
7) Pentachloroethane	4.977	117	37648	48.53	ng	72
8) bis(2-Chloroethyl)ether	5.014	93	73519	46.25	ng	78
10) Phenol	4.944	94	117904	50.40	ng	59
11) 2-Chlorophenol	5.046	128	88379	47.84	ng	79
12) N-Decane	5.105	57	78933	48.19	ng	69
13) 1,3-Dichlorobenzene	5.174	146	96172	46.83	ng	98
14) 1,4-Dichlorobenzene	5.244	146	99253	46.52	ng	97
15) 1,2-Dichlorobenzene	5.367	146	94276	48.30	ng	97
16) Benzyl alcohol	5.356	108	57062	49.84	ng	84
17) bis(2-chloroisopropyl)...	5.469	45	76883	49.56	ng	68
18) 2-Methylphenol	5.463	108	78913	46.90	ng	99
19) Acetophenone	5.570	105	148089	48.49	ng	61
20) Hexachloroethane	5.640	117	38367	50.30	ng	82
21) N-Nitroso-di-n-propyla...	5.576	70	66626	47.92	ng	72
22) 3&4-Methylphenol	5.592	108	84765	47.47	ng	95
25) Nitrobenzene	5.709	77	93641	50.12	ng	78
26) Isophorone	5.897	82	169842	48.86	ng	88
27) 2-Nitrophenol	5.955	139	50095	50.42	ng	92
28) 2,4-Dimethylphenol	5.998	107	93729	49.00	ng	94
29) Benzoic Acid	6.089	105	62573m	55.12	ng	
30) bis(2-Chloroethoxy)met...	6.068	93	97554	49.67	ng	97
31) 2,4-Dichlorophenol	6.148	162	78644	49.21	ng	86
32) 1,2,4-Trichlorobenzene	6.207	180	90096	48.79	ng	97
33) Naphthalene	6.260	128	267165	47.77	ng	96
34) 4-Chloroaniline	6.308	127	91678	51.94	ng	99
35) Hexachlorobutadiene	6.351	225	51806	47.95	ng	96
36) Caprolactam	6.581	113	31851	46.77	ng	63
37) 4-Chloro-3-methylphenol	6.677	107	83254	49.28	ng	78
38) 2-Methylnaphthalene	6.774	142	187613	48.19	ng	98
39) Methylnaphthalenes (To...	6.774	142	187613	48.19	ng	98
40) 1,1'-Biphenyl	7.127	154	273807	47.65	ng	92
42) 1,2,4,5-Tetrachloroben...	6.902	216	115191	49.47	ng	97
43) Hexachlorocyclopentadiene	6.886	237	12265	25.47	ng	96
44) 2,4,6-Trichlorophenol	6.993	196	56635	47.53	ng	99
45) 2,4,5-Trichlorophenol	7.025	196	62447	47.85	ng	99
47) 2-Chloronaphthalene	7.143	162	178403	49.15	ng	92
48) 1,4-Dimethylnaphthalene	7.405	156	189950	48.36	ng	90
49) Dimethylnaphthalenes (...	7.405	156	189950	48.36	ng	90
50) Diphenyl Ether	7.207	170	150034	48.78	ng	76
51) 2-Nitroaniline	7.228	65	64162	52.08	ng	46
52) Acenaphthylene	7.474	152	297030	49.83	ng	97
53) Dimethylphthalate	7.367	163	211258	50.05	ng	98
54) 2,6-Dinitrotoluene	7.421	165	49441	49.79	ng	61
55) Acenaphthene	7.619	153	186352	48.19	ng	96
56) 3-Nitroaniline	7.560	138	44156	49.26	ng	76
57) 2,4-Dinitrophenol	7.662	184	20432	41.91	ng	86
58) Dibenzofuran	7.769	168	261036	48.50	ng	82
59) 2,4-Dinitrotoluene	7.763	165	66515	50.09	ng	83

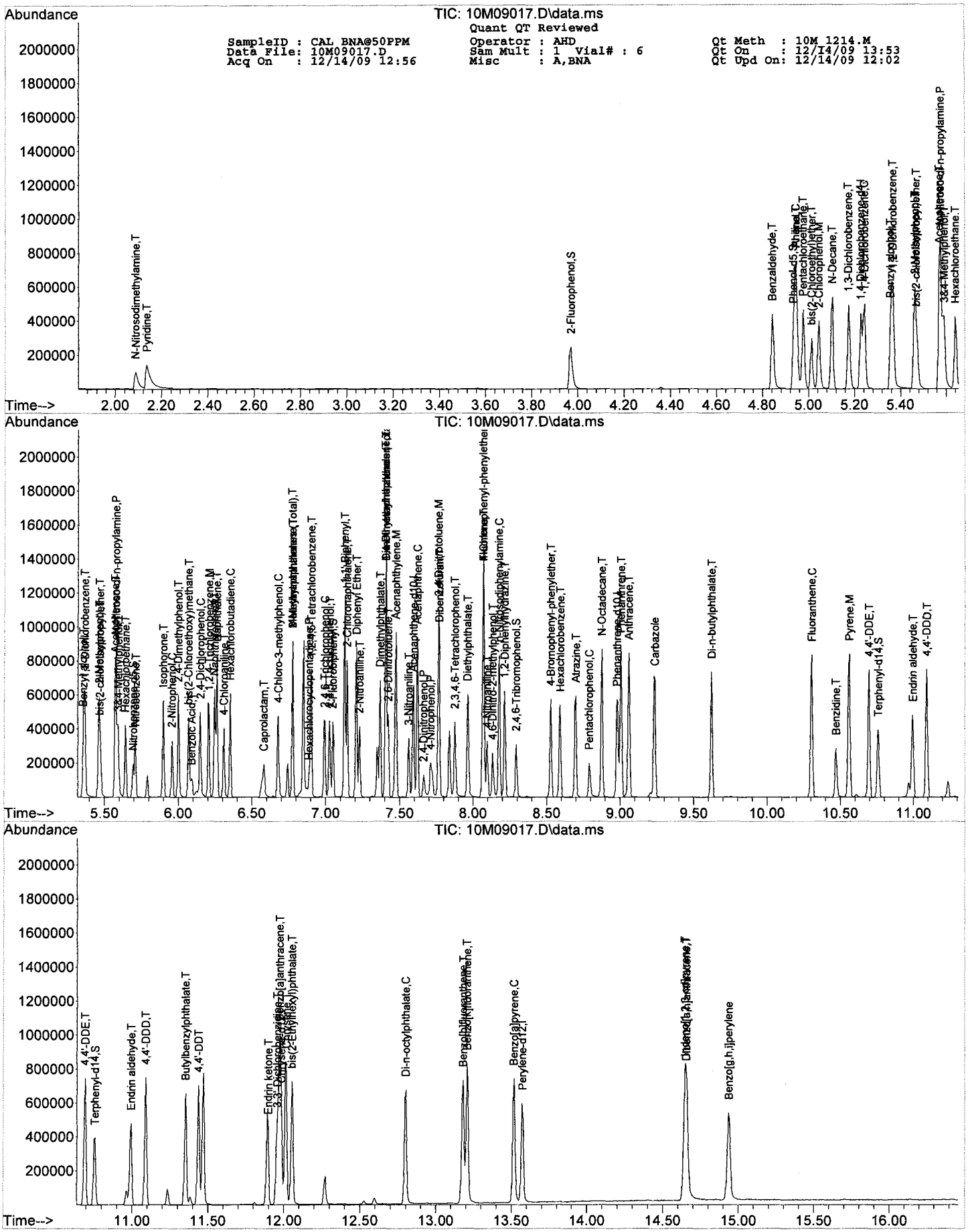
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09017.D Sam Mult : 1 Vial# : 6 Qt On : 12/14/09 13:53
Acq On : 12/14/09 12:56 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.710	65	28091	42.44	ng	76
61)	2,3,4,6-Tetrachlorophenol	7.875	232	52452	46.10	ng	82
62)	Fluorene	8.068	166	226376	49.46	ng	97
63)	4-Chlorophenyl-phenyle...	8.068	204	110962	49.11	ng	79
64)	Diethylphthalate	7.961	149	213102	49.22	ng	99
65)	4-Nitroaniline	8.095	138	53209	49.33	ng	80
66)	Atrazine	8.699	200	70887	48.15	ng	93
68)	4,6-Dinitro-2-methylph...	8.132	198	37414	49.77	ng	60
69)	n-Nitrosodiphenylamine	8.175	169	191764	49.93	ng	99
71)	1,2-Diphenylhydrazine	8.212	77	201947	51.37	ng	84
72)	4-Bromophenyl-phenylether	8.528	248	66454	49.71	ng	83
73)	Hexachlorobenzene	8.592	284	69870	50.71	ng	60
74)	N-Octadecane	8.876	57	117145	50.80	ng	61
75)	Pentachlorophenol	8.790	266	27113	41.25	ng	99
76)	Phenanthrene	9.004	178	316079	48.41	ng	99
77)	Anthracene	9.058	178	324609	49.27	ng	99
78)	Carbazole	9.234	167	307389	49.33	ng	95
79)	Di-n-butylphthalate	9.619	149	373277	51.54	ng	97
80)	Fluoranthene	10.304	202	354832	49.20	ng	86
82)	Pyrene	10.561	202	374695	49.14	ng	83
83)	Benzidine	10.470	184	113223	56.05	ng	85
85)	4,4'-DDE	10.694	246	86425	50.65	ng	94
86)	Endrin	10.994	81	16272	51.46	ng	32
87)	4,4'-DDD	11.090	235	143447	51.85	ng	96
88)	Butylbenzylphthalate	11.352	149	163175	50.33	ng	68
89)	Endrin aldehyde	10.994	67	6972	54.34	ng	83
90)	4,4'-DDT	11.438	235	125882	52.32	ng	95
91)	Endrin ketone	11.898	317	18406	53.53	ng	98
92)	3,3'-Dichlorobenzidine	11.957	252	89143	46.60	ng	95
93)	Benzo[a]anthracene	11.973	228	362632	49.81	ng	99
94)	Chrysene	12.015	228	335204	48.08	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.053	149	225666	44.98	ng	94
97)	Di-n-octylphthalate	12.802	149	382516	50.65	ng	100
98)	Benzo[b]fluoranthene	13.181	252	323400	47.69	ng	92
99)	Benzo[k]fluoranthene	13.208	252	347583	50.34	ng	92
100)	Benzo[a]pyrene	13.518	252	323048	49.12	ng	89
101)	Indeno[1,2,3-cd]pyrene	14.647	276	354875	49.49	ng	79
102)	Dibenzo[a,h]anthracene	14.658	278	289885	48.42	ng	86
103)	Benzo[g,h,i]perylene	14.936	276	289896	47.46	ng	81

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


Abundance
TIC: 10M09017.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M09017.D
Acq On : 12/14/09 12:56
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/09 13:53
Qt Upd On: 12/14/09 12:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d5,S
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,T
Benzyl alcohol,T
bis(2-chloroisopropyl)ether,T
Hexachloroethane,T
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09020.D Sam Mult : 1 Vial# : 9 Qt On : 12/14/09 14:35
Acq On : 12/14/09 14:02 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.228	152	46200	40.00	ng		0.00
23) Naphthalene-d8	6.244	136	176085	40.00	ng		0.00
41) Acenaphthene-d10	7.587	164	107772	40.00	ng		0.00
67) Phenanthrene-d10	8.977	188	191632	40.00	ng		0.00
81) Chrysene-d12	11.978	240	182995	40.00	ng		-0.01
96) Perylene-d12	13.572	264	200686	40.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	3.987	112	2118	1.61	ng		0.02
Spiked Amount 100.000			Recovery =	1.61%			
9) Phenol-d5	4.944	99	3758	1.99	ng		0.00
Spiked Amount 100.000			Recovery =	1.99%			
24) Nitrobenzene-d5	5.699	128	780	1.05	ng		0.00
Spiked Amount 50.000			Recovery =	2.10%			
46) 2-Fluorobiphenyl	7.047	172	4080	1.08	ng		0.00
Spiked Amount 50.000			Recovery =	2.16%			
70) 2,4,6-Tribromophenol	8.293	330	991	1.71	ng		0.00
Spiked Amount 100.000			Recovery =	1.71%			
84) Terphenyl-d14	10.753	244	5595	1.10	ng		-0.01
Spiked Amount 50.000			Recovery =	2.20%			
Target Compounds							Qvalue
2) Pyridine	2.211	79	2839m	2.01	ng		
3) N-Nitrosodimethylamine	2.126	74	1445	1.82	ng		98
5) Benzaldehyde	4.854	77	3087	2.60	ng		72
6) Aniline	4.950	93	2857	1.38	ng		95
7) Pentachloroethane	4.977	117	1563	2.35	ng		74
8) bis(2-Chloroethyl)ether	5.014	93	3088m	2.26	ng		
10) Phenol	4.955	94	4283	2.13	ng		79
11) 2-Chlorophenol	5.051	128	3282	2.07	ng		67
12) N-Decane	5.100	57	3240	2.31	ng		65
13) 1,3-Dichlorobenzene	5.180	146	3942	2.24	ng		97
14) 1,4-Dichlorobenzene	5.244	146	4207	2.30	ng		97
15) 1,2-Dichlorobenzene	5.372	146	3928	2.35	ng		97
16) Benzyl alcohol	5.367	108	1870m	1.90	ng		
17) bis(2-chloroisopropyl)...	5.469	45	3224	2.42	ng		67
18) 2-Methylphenol	5.463	108	3205	2.22	ng		97
19) Acetophenone	5.576	105	5864	2.24	ng		56
20) Hexachloroethane	5.640	117	1453	2.22	ng		89
21) N-Nitroso-di-n-propyla...	5.576	70	2708	2.27	ng		64
22) 3&4-Methylphenol	5.602	108	3339	2.18	ng		94
25) Nitrobenzene	5.709	77	3640	2.27	ng		87
26) Isophorone	5.897	82	6732	2.25	ng		81
27) 2-Nitrophenol	5.961	139	1834	2.15	ng		89
28) 2,4-Dimethylphenol	6.004	107	3564	2.17	ng		90
29) Benzoic Acid	6.121	105	195	0.20	ng	#	28
30) bis(2-Chloroethoxy)met...	6.068	93	4061	2.41	ng		95
31) 2,4-Dichlorophenol	6.153	162	3133	2.28	ng		87
32) 1,2,4-Trichlorobenzene	6.201	180	3669	2.31	ng		89
33) Naphthalene	6.260	128	11318	2.36	ng		96
34) 4-Chloroaniline	6.314	127	2845	1.88	ng		88
35) Hexachlorobutadiene	6.351	225	2235	2.41	ng		93
36) Caprolactam	6.554	113	1253	2.14	ng		44
37) 4-Chloro-3-methylphenol	6.677	107	3120	2.15	ng		80
38) 2-Methylnaphthalene	6.774	142	8003	2.39	ng		99
39) Methylnaphthalenes (To...	6.774	142	8003	2.39	ng		99
40) 1,1'-Biphenyl	7.127	154	11192	2.27	ng		89
42) 1,2,4,5-Tetrachloroben...	6.902	216	4428	2.16	ng		92
43) Hexachlorocyclopentadiene	0.000		0	N.D.			
44) 2,4,6-Trichlorophenol	6.993	196	2126	2.02	ng		91
45) 2,4,5-Trichlorophenol	7.030	196	2372	2.06	ng		98
47) 2-Chloronaphthalene	7.143	162	7498	2.34	ng		91
48) 1,4-Dimethylnaphthalene	7.405	156	8431	2.44	ng		82
49) Dimethylnaphthalenes (...	7.405	156	8431	2.44	ng		82
50) Diphenyl Ether	7.207	170	6021	2.22	ng		82
51) 2-Nitroaniline	7.228	65	1820	1.68	ng		70
52) Acenaphthylene	7.474	152	12160	2.31	ng		95
53) Dimethylphthalate	7.362	163	9171	2.47	ng		96
54) 2,6-Dinitrotoluene	7.421	165	1990	2.27	ng		57
55) Acenaphthene	7.613	153	7910	2.32	ng		94
56) 3-Nitroaniline	7.565	138	1605	2.03	ng		95
57) 2,4-Dinitrophenol	0.000		0	N.D.			
58) Dibenzofuran	7.763	168	11562	2.44	ng		83
59) 2,4-Dinitrotoluene	7.769	165	2103	1.80	ng		90

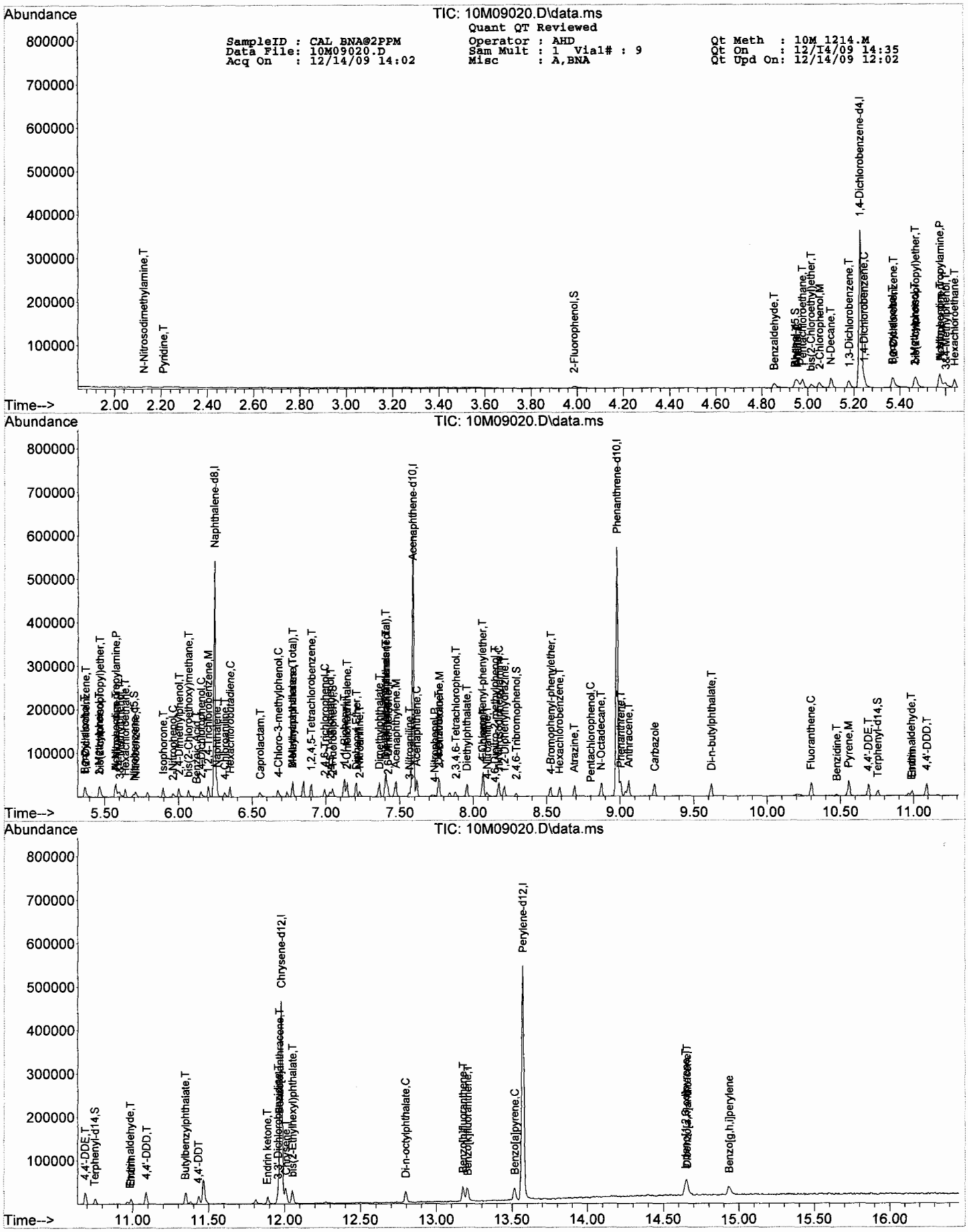
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09020.D Sam Mult : 1 Vial# : 9 Qt On : 12/14/09 14:35
Acq On : 12/14/09 14:02 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.736	65	751	1.29	ng	19
61)	2,3,4,6-Tetrachlorophenol	7.881	232	1768	1.76	ng	73
62)	Fluorene	8.068	166	8753	2.17	ng	99
63)	4-Chlorophenyl-phenyle...	8.063	204	4645	2.33	ng	78
64)	Diethylphthalate	7.956	149	9229	2.42	ng	97
65)	4-Nitroaniline	8.095	138	1851	1.95	ng	77
66)	Atrazine	8.689	200	3118	2.40	ng	89
68)	4,6-Dinitro-2-methylph...	8.148	198	274	0.41	ng	56
69)	n-Nitrosodiphenylamine	8.175	169	7802	2.26	ng	99
71)	1,2-Diphenylhydrazine	8.213	77	7905	2.24	ng	77
72)	4-Bromophenyl-phenylether	8.528	248	2638	2.19	ng	78
73)	Hexachlorobenzene	8.587	284	2886	2.33	ng	67
74)	N-Octadecane	8.870	57	4687	2.26	ng	60
75)	Pentachlorophenol	8.801	266	306	0.52	ng	73
76)	Phenanthrene	9.004	178	13939	2.37	ng	93
77)	Anthracene	9.058	178	13720	2.32	ng	95
78)	Carbazole	9.234	167	12337	2.20	ng	95
79)	Di-n-butylphthalate	9.619	149	14869	2.28	ng	95
80)	Fluoranthene	10.298	202	14503	2.24	ng	91
82)	Pyrene	10.555	202	15449	2.21	ng	79
83)	Benzidine	10.475	184	2328	1.26	ng	98
85)	4,4'-DDE	10.689	246	3798	2.43	ng	88
86)	Endrin	10.988	81	712	2.46	ng	45
87)	4,4'-DDD	11.090	235	5579	2.20	ng	95
88)	Butylbenzylphthalate	11.347	149	6774	2.28	ng	66
89)	Endrin aldehyde	10.983	67	341m	2.90	ng	
90)	4,4'-DDT	11.432	235	4096	1.86	ng	93
91)	Endrin ketone	11.887	317	759	2.41	ng	92
92)	3,3'-Dichlorobenzidine	11.957	252	3968	2.26	ng	95
93)	Benzo[a]anthracene	11.967	228	16020	2.40	ng	97
94)	Chrysene	12.010	228	15096	2.36	ng	93
95)	bis(2-Ethylhexyl)phtha...	12.053	149	9051	1.97	ng	91
97)	Di-n-octylphthalate	12.796	149	15537	2.24	ng	97
98)	Benzo[b]fluoranthene	13.176	252	14021	2.25	ng	90
99)	Benzo[k]fluoranthene	13.208	252	14661	2.31	ng	86
100)	Benzo[a]pyrene	13.518	252	13516	2.24	ng	90
101)	Indeno[1,2,3-cd]pyrene	14.647	276	14645	2.23	ng	82
102)	Dibenzo[a,h]anthracene	14.658	278	12188	2.22	ng	90
103)	Benzo[g,h,i]perylene	14.936	276	12661	2.26	ng	83

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


Abundance
TIC: 10M09020.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 10M09020.D
Acq On : 12/14/09 14:02
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/09 14:35
Qt Upd On: 12/14/09 12:02
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Diethylphthalate,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
4,4'-DDD,T
Chrysene-d12,I
Perylene-d12,I
Endrin ketone,T
Butylbenzylphthalate,T
4,4'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09019.D Sam Mult : 1 Vial# : 8 Qt On : 12/14/09 14:14
Acq On : 12/14/09 13:40 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.228	152	45170	40.00	ng	0.00
23) Naphthalene-d8	6.244	136	179177	40.00	ng	0.00
41) Acenaphthene-d10	7.587	164	108883	40.00	ng	0.00
67) Phenanthrene-d10	8.977	188	191082	40.00	ng	0.00
81) Chrysene-d12	11.978	240	182362	40.00	ng	-0.01
96) Perylene-d12	13.572	264	201649	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.976	112	11745	9.12	ng	0.00
Spiked Amount 100.000			Recovery =	9.12%		
9) Phenol-d5	4.939	99	17305	9.35	ng	0.00
Spiked Amount 100.000			Recovery =	9.35%		
24) Nitrobenzene-d5	5.693	128	3512	4.67	ng	0.00
Spiked Amount 50.000			Recovery =	9.34%		
46) 2-Fluorobiphenyl	7.046	172	18015	4.72	ng	0.00
Spiked Amount 50.000			Recovery =	9.44%		
70) 2,4,6-Tribromophenol	8.293	330	5164	8.94	ng	0.00
Spiked Amount 100.000			Recovery =	8.94%		
84) Terphenyl-d14	10.753	244	23970	4.74	ng	-0.01
Spiked Amount 50.000			Recovery =	9.48%		
Target Compounds						Qvalue
2) Pyridine	2.163	79	12628	9.16	ng	60
3) N-Nitrosodimethylamine	2.104	74	7998	10.31	ng	93
5) Benzaldehyde	4.848	77	12872	11.11	ng	75
6) Aniline	4.944	93	13901	6.89	ng	90
7) Pentachloroethane	4.977	117	6459	9.93	ng	73
8) bis(2-Chloroethyl)ether	5.014	93	13505	10.13	ng	72
10) Phenol	4.950	94	19280	9.83	ng	90
11) 2-Chlorophenol	5.046	128	14711	9.49	ng	78
12) N-Decane	5.100	57	13086	9.52	ng	66
13) 1,3-Dichlorobenzene	5.174	146	16232	9.42	ng	98
14) 1,4-Dichlorobenzene	5.244	146	17558	9.81	ng	98
15) 1,2-Dichlorobenzene	5.367	146	16659	10.17	ng	94
16) Benzyl alcohol	5.362	108	9404	9.79	ng	82
17) bis(2-chloroisopropyl)...	5.474	45	13256	10.19	ng	63
18) 2-Methylphenol	5.463	108	13841	9.81	ng	95
19) Acetophenone	5.570	105	23935	9.34	ng	68
20) Hexachloroethane	5.640	117	6480	10.13	ng	73
21) N-Nitroso-di-n-propyla...	5.576	70	11241	9.64	ng	69
22) 3&4-Methylphenol	5.592	108	14575	9.73	ng	96
25) Nitrobenzene	5.709	77	15928	9.75	ng	78
26) Isophorone	5.897	82	29254	9.63	ng	84
27) 2-Nitrophenol	5.961	139	8603	9.90	ng	84
28) 2,4-Dimethylphenol	5.998	107	15381	9.20	ng	93
29) Benzoic Acid	6.062	105	7117m	7.17	ng	
30) bis(2-Chloroethoxy)met...	6.068	93	16645	9.69	ng	96
31) 2,4-Dichlorophenol	6.148	162	12828	9.18	ng	87
32) 1,2,4-Trichlorobenzene	6.201	180	15166	9.39	ng	94
33) Naphthalene	6.260	128	47160	9.64	ng	97
34) 4-Chloroaniline	6.308	127	12858	8.33	ng	95
35) Hexachlorobutadiene	6.351	225	8932	9.46	ng	98
36) Caprolactam	6.554	113	5106	8.58	ng	47
37) 4-Chloro-3-methylphenol	6.672	107	14565	9.86	ng	84
38) 2-Methylnaphthalene	6.774	142	30952	9.09	ng	96
39) Methylnaphthalenes (To...	6.774	142	30952	9.09	ng	96
40) 1,1'-Biphenyl	7.121	154	46639	9.28	ng	90
42) 1,2,4,5-Tetrachloroben...	6.902	216	19699	9.50	ng	94
43) Hexachlorocyclopentadiene	6.891	237	174	0.41	ng	89
44) 2,4,6-Trichlorophenol	6.988	196	9550	9.00	ng	99
45) 2,4,5-Trichlorophenol	7.025	196	10250	8.82	ng	99
47) 2-Chloronaphthalene	7.143	162	29985	9.28	ng	92
48) 1,4-Dimethylnaphthalene	7.405	156	32130	9.19	ng	91
49) Dimethylnaphthalenes (...	7.405	156	32130	9.19	ng	91
50) Diphenyl Ether	7.207	170	25644	9.37	ng	73
51) 2-Nitroaniline	7.223	65	8924	8.14	ng	77
52) Acenaphthylene	7.474	152	50749	9.56	ng	98
53) Dimethylphthalate	7.362	163	37212	9.90	ng	98
54) 2,6-Dinitrotoluene	7.421	165	8452	9.56	ng	56
55) Acenaphthene	7.613	153	32162	9.34	ng	96
56) 3-Nitroaniline	7.560	138	7342	9.20	ng	75
57) 2,4-Dinitrophenol	7.672	184	1187	2.73	ng	90
58) Dibenzofuran	7.763	168	45733	9.54	ng	86
59) 2,4-Dinitrotoluene	7.763	165	10686	9.04	ng	85

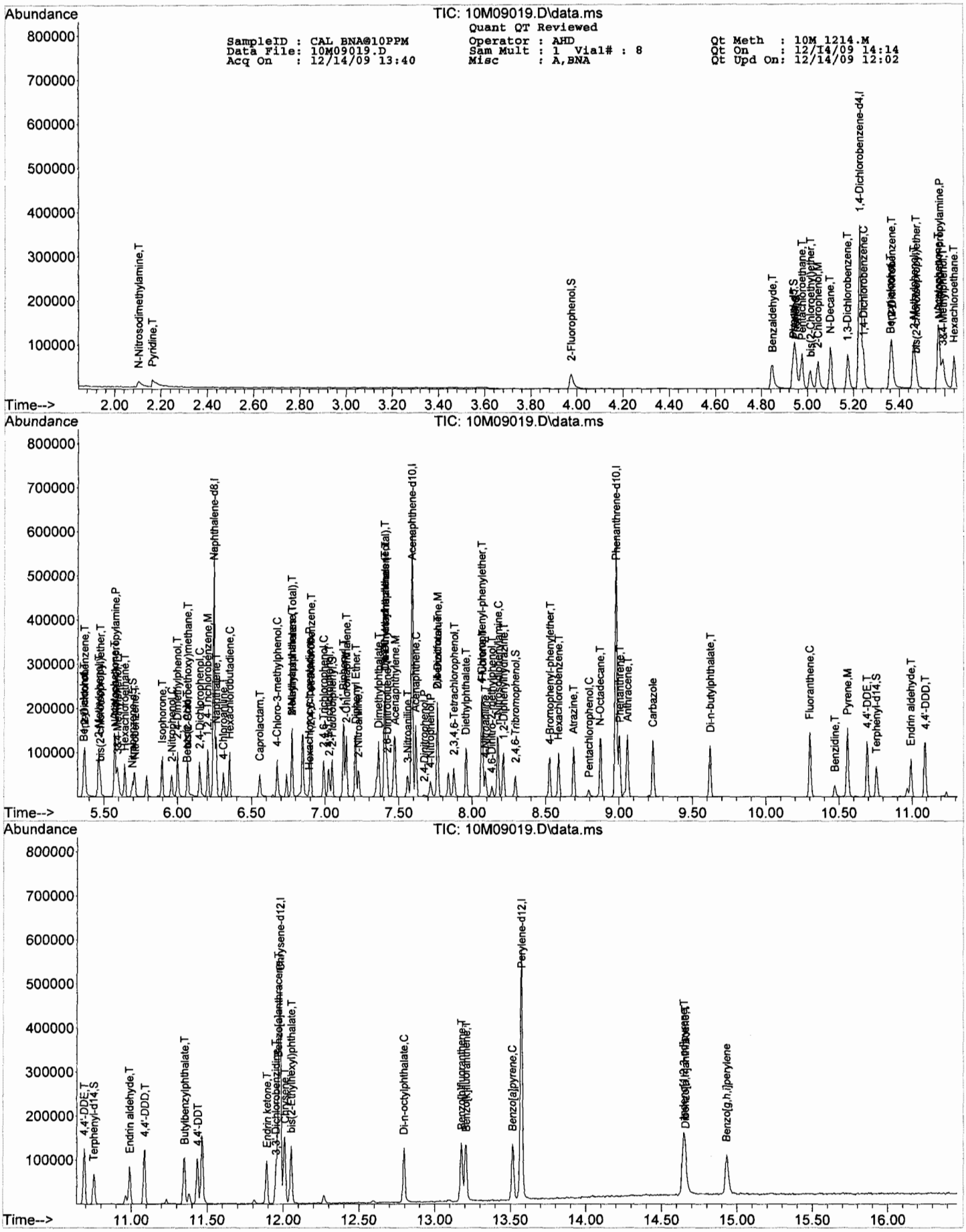
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09019.D Sam Mult : 1 Vial# : 8 Qt On : 12/14/09 14:14
Acq On : 12/14/09 13:40 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.715	65	3924	6.66	ng	85
61)	2,3,4,6-Tetrachlorophenol	7.875	232	7906	7.80	ng	83
62)	Fluorene	8.068	166	37371	9.17	ng	98
63)	4-Chlorophenyl-phenyle...	8.063	204	18663	9.28	ng	88
64)	Diethylphthalate	7.956	149	37029	9.61	ng	98
65)	4-Nitroaniline	8.089	138	8761	9.12	ng	87
66)	Atrazine	8.688	200	12994	9.91	ng	97
68)	4,6-Dinitro-2-methylph...	8.132	198	3998	5.93	ng	60
69)	n-Nitrosodiphenylamine	8.175	169	34090	9.90	ng	99
71)	1,2-Diphenylhydrazine	8.212	77	34194	9.70	ng	75
72)	4-Bromophenyl-phenylether	8.528	248	11347	9.47	ng	82
73)	Hexachlorobenzene	8.587	284	11991	9.71	ng	69
74)	N-Octadecane	8.870	57	19145	9.26	ng	64
75)	Pentachlorophenol	8.795	266	2584	4.38	ng	83
76)	Phenanthrene	9.004	178	54689	9.34	ng	98
77)	Anthracene	9.058	178	55384	9.38	ng	99
78)	Carbazole	9.229	167	51760	9.27	ng	95
79)	Di-n-butylphthalate	9.619	149	63124	9.72	ng	97
80)	Fluoranthene	10.298	202	61844	9.57	ng	90
82)	Pyrene	10.555	202	65057	9.34	ng	84
83)	Benzidine	10.470	184	12726	6.90	ng	87
85)	4,4'-DDE	10.689	246	15463	9.93	ng	93
86)	Endrin	10.988	81	2976	10.31	ng	41
87)	4,4'-DDD	11.090	235	24779	9.81	ng	96
88)	Butylbenzylphthalate	11.352	149	27486	9.29	ng	68
89)	Endrin aldehyde	10.988	67	1206	10.29	ng	81
90)	4,4'-DDT	11.438	235	20325	9.25	ng	95
91)	Endrin ketone	11.892	317	3221	10.26	ng	97
92)	3,3'-Dichlorobenzidine	11.951	252	16476	9.43	ng	96
93)	Benzo[a]anthracene	11.967	228	64485	9.70	ng	98
94)	Chrysene	12.010	228	62141	9.76	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.053	149	38578	8.42	ng	93
97)	Di-n-octylphthalate	12.796	149	65844	9.46	ng	97
98)	Benzo[b]fluoranthene	13.176	252	58753	9.40	ng	91
99)	Benzo[k]fluoranthene	13.208	252	59803	9.39	ng	90
100)	Benzo[a]pyrene	13.513	252	56804	9.37	ng	90
101)	Indeno[1,2,3-cd]pyrene	14.647	276	62681	9.48	ng	78
102)	Dibenzo[a,h]anthracene	14.658	278	50697	9.18	ng	81
103)	Benzo[g,h,i]perylene	14.930	276	53809	9.55	ng	81

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


Abundance
TIC: 10M09019.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 10M09019.D
Acq On : 12/14/09 13:40
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 10M 1214.M
Qt On : 12/14/09 14:14
Qt Upd On: 12/14/09 12:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
1,4-Dichlorobenzene-d4,I
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
N-Decane,T
Hexachloroethane,T
Time-->
Abundance
TIC: 10M09019.D\data.ms
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Caprolactam,T
4-Chloro-3-methylphenol,C
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Pyrene,M
Benzidine,T
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Time-->
Abundance
TIC: 10M09019.D\data.ms
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
Chrysene-d12,I
Perylene-d12,I
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09018.D Sam Mult : 1 Vial# : 7 Qt On : 12/14/09 13:53
Acq On : 12/14/09 13:18 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.228	152	46625	40.00	ng	0.00
23) Naphthalene-d8	6.244	136	181593	40.00	ng	0.00
41) Acenaphthene-d10	7.587	164	109816	40.00	ng	0.00
67) Phenanthrene-d10	8.977	188	192422	40.00	ng	0.00
81) Chrysene-d12	11.978	240	183474	40.00	ng	-0.01
96) Perylene-d12	13.572	264	198293	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.971	112	25546	19.22	ng	0.00
Spiked Amount 100.000			Recovery = 19.22%			
9) Phenol-d5	4.934	99	35908	18.80	ng	-0.01
Spiked Amount 100.000			Recovery = 18.80%			
24) Nitrobenzene-d5	5.693	128	6924	9.08	ng	0.00
Spiked Amount 50.000			Recovery = 18.16%			
46) 2-Fluorobiphenyl	7.046	172	37021	9.62	ng	0.00
Spiked Amount 50.000			Recovery = 19.24%			
70) 2,4,6-Tribromophenol	8.293	330	10669	18.33	ng	0.00
Spiked Amount 100.000			Recovery = 18.33%			
84) Terphenyl-d14	10.753	244	49907	9.82	ng	-0.01
Spiked Amount 50.000			Recovery = 19.64%			
Target Compounds						Qvalue
2) Pyridine	2.147	79	28133	19.77	ng	62
3) N-Nitrosodimethylamine	2.094	74	16383	20.46	ng	70
5) Benzaldehyde	4.843	77	26126	21.84	ng	84
6) Aniline	4.944	93	33113	15.90	ng	84
7) Pentachloroethane	4.976	117	12820	19.09	ng	67
8) bis(2-Chloroethyl)ether	5.014	93	27494	19.98	ng	75
10) Phenol	4.944	94	39465	19.48	ng	67
11) 2-Chlorophenol	5.046	128	30651	19.16	ng	77
12) N-Decane	5.099	57	27646	19.49	ng	70
13) 1,3-Dichlorobenzene	5.174	146	33442	18.81	ng	98
14) 1,4-Dichlorobenzene	5.244	146	35096	19.00	ng	96
15) 1,2-Dichlorobenzene	5.367	146	31906	18.88	ng	97
16) Benzyl alcohol	5.362	108	19601	19.77	ng	77
17) bis(2-chloroisopropyl)...	5.469	45	26963	20.07	ng	66
18) 2-Methylphenol	5.463	108	28467	19.54	ng	98
19) Acetophenone	5.570	105	51079	19.32	ng	60
20) Hexachloroethane	5.640	117	13154	19.91	ng	70
21) N-Nitroso-di-n-propyla...	5.576	70	22859	18.99	ng	69
22) 3&4-Methylphenol	5.592	108	29730	19.23	ng	91
25) Nitrobenzene	5.704	77	32510	19.64	ng	84
26) Isophorone	5.896	82	60022	19.49	ng	87
27) 2-Nitrophenol	5.961	139	16231	18.44	ng	88
28) 2,4-Dimethylphenol	5.998	107	32020	18.89	ng	95
29) Benzoic Acid	6.073	105	18085m	17.98	ng	
30) bis(2-Chloroethoxy)met...	6.068	93	33967	19.52	ng	96
31) 2,4-Dichlorophenol	6.148	162	26603	18.78	ng	87
32) 1,2,4-Trichlorobenzene	6.201	180	31169	19.05	ng	99
33) Naphthalene	6.260	128	93294	18.82	ng	97
34) 4-Chloroaniline	6.308	127	28112	17.97	ng	97
35) Hexachlorobutadiene	6.351	225	18099	18.90	ng	96
36) Caprolactam	6.560	113	11299	18.72	ng	59
37) 4-Chloro-3-methylphenol	6.672	107	28491	19.03	ng	80
38) 2-Methylnaphthalene	6.774	142	64511	18.70	ng	98
39) Methylnaphthalenes (To...	6.774	142	64511	18.70	ng	98
40) 1,1'-Biphenyl	7.127	154	95713	18.80	ng	92
42) 1,2,4,5-Tetrachloroben...	6.902	216	40037	19.15	ng	97
43) Hexachlorocyclopentadiene	6.886	237	1450	3.35	ng	70
44) 2,4,6-Trichlorophenol	6.988	196	19286	18.03	ng	99
45) 2,4,5-Trichlorophenol	7.020	196	21354	18.22	ng	95
47) 2-Chloronaphthalene	7.143	162	63739	19.56	ng	91
48) 1,4-Dimethylnaphthalene	7.405	156	67223	19.06	ng	89
49) Dimethylnaphthalenes (...	7.405	156	67223	19.06	ng	89
50) Diphenyl Ether	7.207	170	53299	19.30	ng	75
51) 2-Nitroaniline	7.223	65	22487	20.33	ng	62
52) Acenaphthylene	7.474	152	104232	19.47	ng	98
53) Dimethylphthalate	7.362	163	72711	19.18	ng	99
54) 2,6-Dinitrotoluene	7.421	165	17336	19.45	ng	55
55) Acenaphthene	7.613	153	65409	18.84	ng	94
56) 3-Nitroaniline	7.560	138	15580	19.36	ng	76
57) 2,4-Dinitrophenol	7.667	184	3958	9.04	ng	86
58) Dibenzofuran	7.763	168	92494	19.14	ng	83
59) 2,4-Dinitrotoluene	7.763	165	23340	19.58	ng	79

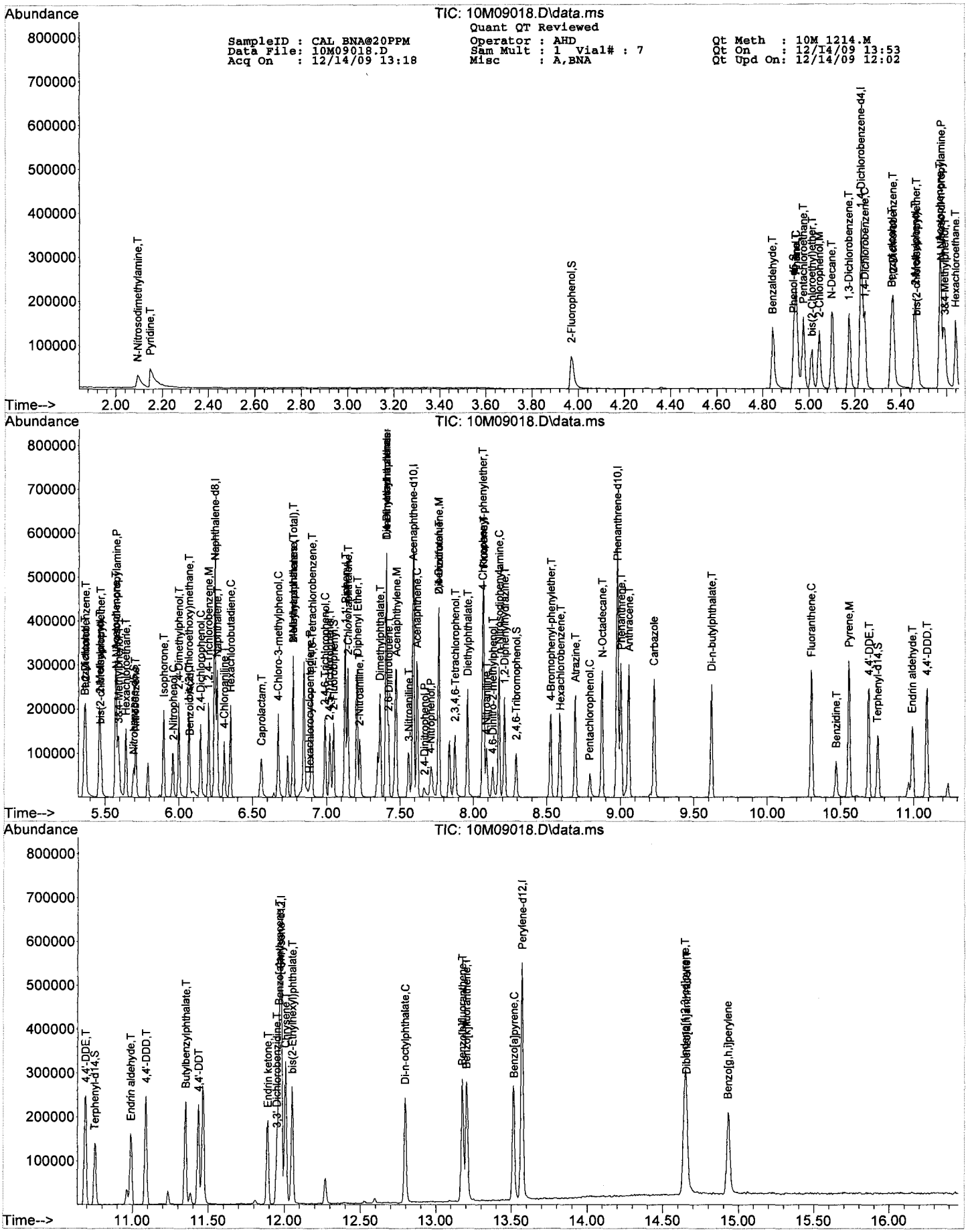
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09018.D Sam Mult : 1 Vial# : 7 Qt On : 12/14/09 13:53
Acq On : 12/14/09 13:18 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
60) 4-Nitrophenol	7.710	65	9735	16.38 ng	77
61) 2,3,4,6-Tetrachlorophenol	7.875	232	17686	17.31 ng	80
62) Fluorene	8.068	166	77266	18.80 ng	95
63) 4-Chlorophenyl-phenyle...	8.063	204	38598	19.03 ng	87
64) Diethylphthalate	7.961	149	74555	19.18 ng	95
65) 4-Nitroaniline	8.089	138	18030	18.62 ng	84
66) Atrazine	8.694	200	26116	19.76 ng	93
68) 4,6-Dinitro-2-methylph...	8.132	198	10938	16.12 ng	67
69) n-Nitrosodiphenylamine	8.175	169	66888	19.29 ng	99
71) 1,2-Diphenylhydrazine	8.212	77	72049	20.30 ng	81
72) 4-Bromophenyl-phenylether	8.528	248	23837	19.75 ng	78
73) Hexachlorobenzene	8.592	284	24985	20.08 ng	56
74) N-Octadecane	8.876	57	41441	19.91 ng	63
75) Pentachlorophenol	8.790	266	7654	12.90 ng	97
76) Phenanthrene	9.004	178	112383	19.06 ng	99
77) Anthracene	9.057	178	115301	19.38 ng	99
78) Carbazole	9.229	167	109263	19.42 ng	95
79) Di-n-butylphthalate	9.619	149	129573	19.81 ng	97
80) Fluoranthene	10.298	202	125887	19.33 ng	89
82) Pyrene	10.555	202	132745	18.95 ng	85
83) Benzidine	10.470	184	33673	18.15 ng	82
85) 4,4'-DDE	10.694	246	31944	20.38 ng	93
86) Endrin	10.988	81	5844	20.12 ng	32
87) 4,4'-DDD	11.090	235	51052	20.09 ng	97
88) Butylbenzylphthalate	11.352	149	58881	19.77 ng	66
89) Endrin aldehyde	10.988	67	2640	22.40 ng	78
90) 4,4'-DDT	11.438	235	43715	19.78 ng	94
91) Endrin ketone	11.892	317	6591	20.87 ng	97
92) 3,3'-Dichlorobenzidine	11.951	252	30009	17.08 ng	97
93) Benzo[a]anthracene	11.967	228	128405	19.20 ng	100
94) Chrysene	12.010	228	121371	18.95 ng	99
95) bis(2-Ethylhexyl)phtha...	12.053	149	79679	17.29 ng	95
97) Di-n-octylphthalate	12.796	149	134252	19.60 ng	100
98) Benzo[b]fluoranthene	13.176	252	118700	19.30 ng	93
99) Benzo[k]fluoranthene	13.203	252	118383	18.91 ng	95
100) Benzo[a]pyrene	13.518	252	112293	18.83 ng	89
101) Indeno[1,2,3-cd]pyrene	14.647	276	123899	19.05 ng	81
102) Dibenzo[a,h]anthracene	14.658	278	104203	19.19 ng	85
103) Benzo[g,h,i]perylene	14.930	276	106271	19.19 ng	81

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


Abundance
TIC: 10M09018.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 10M09018.D
Acq On : 12/14/09 13:18
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 10M 1214.M
Qt On : 12/14/09 13:53
Qt Upd On: 12/14/09 12:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,T
Hexachloroethane,T
Time-->

Abundance
TIC: 10M09018.D\data.ms
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
Benzoic acid,C
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene-d8,I
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2,4,6-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene-d10,I
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,M
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Time-->

Abundance
TIC: 10M09018.D\data.ms
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
3,3'-Dichlorobenzidine,T
Chrysene-d12,I
Chrysene,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo(b)fluoranthene,T
Benzo(k)fluoranthene,T
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene,T
Dibenz(a,h)anthracene,T
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09016.D Sam Mult : 1 Vial# : 5 Qt On : 12/14/09 12:54
Acq On : 12/14/09 12:34 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.228	152	33374	40.00	ng	0.00
23) Naphthalene-d8	6.244	136	128782	40.00	ng	0.00
41) Acenaphthene-d10	7.592	164	76591	40.00	ng	0.00
67) Phenanthrene-d10	8.977	188	133139	40.00	ng	0.00
81) Chrysene-d12	11.983	240	127264	40.00	ng	0.00
96) Perylene-d12	13.572	264	137842	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.971	112	75338	79.18	ng	0.00
Spiked Amount 100.000			Recovery = 79.18%			
9) Phenol-d5	4.934	99	105198	76.94	ng	-0.01
Spiked Amount 100.000			Recovery = 76.94%			
24) Nitrobenzene-d5	5.693	128	20842	38.52	ng	0.00
Spiked Amount 50.000			Recovery = 77.04%			
46) 2-Fluorobiphenyl	7.046	172	102744	38.26	ng	0.00
Spiked Amount 50.000			Recovery = 76.52%			
70) 2,4,6-Tribromophenol	8.293	330	31446	78.09	ng	0.00
Spiked Amount 100.000			Recovery = 78.09%			
84) Terphenyl-d14	10.758	244	137281	38.93	ng	0.00
Spiked Amount 50.000			Recovery = 77.86%			
Target Compounds						Qvalue
2) Pyridine	2.136	79	84712	83.15	ng	62
3) N-Nitrosodimethylamine	2.088	74	46344	80.84	ng	74
5) Benzaldehyde	4.843	77	76565	89.41	ng	80
6) Aniline	4.944	93	107361	72.01	ng	82
7) Pentachloroethane	4.976	117	38208	79.47	ng	74
8) bis(2-Chloroethyl)ether	5.014	93	73383	74.49	ng	75
10) Phenol	4.944	94	115735	79.83	ng	65
11) 2-Chlorophenol	5.046	128	87626	76.52	ng	78
12) N-Decane	5.105	57	80668	79.47	ng	71
13) 1,3-Dichlorobenzene	5.174	146	95208	74.80	ng	96
14) 1,4-Dichlorobenzene	5.244	146	99428	75.19	ng	96
15) 1,2-Dichlorobenzene	5.367	146	94666	78.25	ng	97
16) Benzyl alcohol	5.356	108	55583	78.33	ng	89
17) bis(2-chloroisopropyl)...	5.469	45	76019	79.07	ng	66
18) 2-Methylphenol	5.463	108	79256	76.00	ng	100
19) Acetophenone	5.570	105	144253	76.21	ng	61
20) Hexachloroethane	5.640	117	37392	79.09	ng	77
21) N-Nitroso-di-n-propyla...	5.576	70	65522	76.03	ng	73
22) 3&4-Methylphenol	5.592	108	83579	75.52	ng	96
25) Nitrobenzene	5.709	77	90962	77.47	ng	76
26) Isophorone	5.896	82	166895	76.41	ng	89
27) 2-Nitrophenol	5.955	139	50531	80.94	ng	94
28) 2,4-Dimethylphenol	5.998	107	92658	77.09	ng	97
29) Benzoic Acid	6.089	105	62214m	87.22	ng	
30) bis(2-Chloroethoxy)met...	6.068	93	96900	78.51	ng	98
31) 2,4-Dichlorophenol	6.148	162	79408	79.06	ng	86
32) 1,2,4-Trichlorobenzene	6.207	180	90761	78.22	ng	95
33) Naphthalene	6.260	128	267867	76.21	ng	97
34) 4-Chloroaniline	6.308	127	88990	80.23	ng	99
35) Hexachlorobutadiene	6.351	225	52079	76.70	ng	97
36) Caprolactam	6.581	113	31742	74.17	ng	55
37) 4-Chloro-3-methylphenol	6.677	107	82939	78.13	ng	79
38) 2-Methylnaphthalene	6.774	142	186167	76.09	ng	97
39) Methylnaphthalenes (To...	6.774	142	186167	76.09	ng	97
40) 1,1'-Biphenyl	7.127	154	273244	75.68	ng	92
42) 1,2,4,5-Tetrachloroben...	6.902	216	110851	76.01	ng	98
43) Hexachlorocyclopentadiene	6.886	237	11493	38.11	ng	91
44) 2,4,6-Trichlorophenol	6.993	196	56098	75.18	ng	98
45) 2,4,5-Trichlorophenol	7.025	196	60788	74.39	ng	98
47) 2-Chloronaphthalene	7.143	162	174191	76.63	ng	91
48) 1,4-Dimethylnaphthalene	7.405	156	189011	76.84	ng	90
49) Dimethylnaphthalenes (...	7.405	156	189011	76.84	ng	90
50) Diphenyl Ether	7.207	170	145398	75.49	ng	76
51) 2-Nitroaniline	7.228	65	62124	80.52	ng	45
52) Acenaphthylene	7.474	152	287884	77.12	ng	97
53) Dimethylphthalate	7.367	163	203722	77.07	ng	98
54) 2,6-Dinitrotoluene	7.421	165	47447	76.31	ng	61
55) Acenaphthene	7.619	153	187468	77.41	ng	94
56) 3-Nitroaniline	7.560	138	42317	75.38	ng	76
57) 2,4-Dinitrophenol	7.662	184	20407	66.84	ng	82
58) Dibenzofuran	7.763	168	255037	75.67	ng	86
59) 2,4-Dinitrotoluene	7.763	165	65187	78.39	ng	78

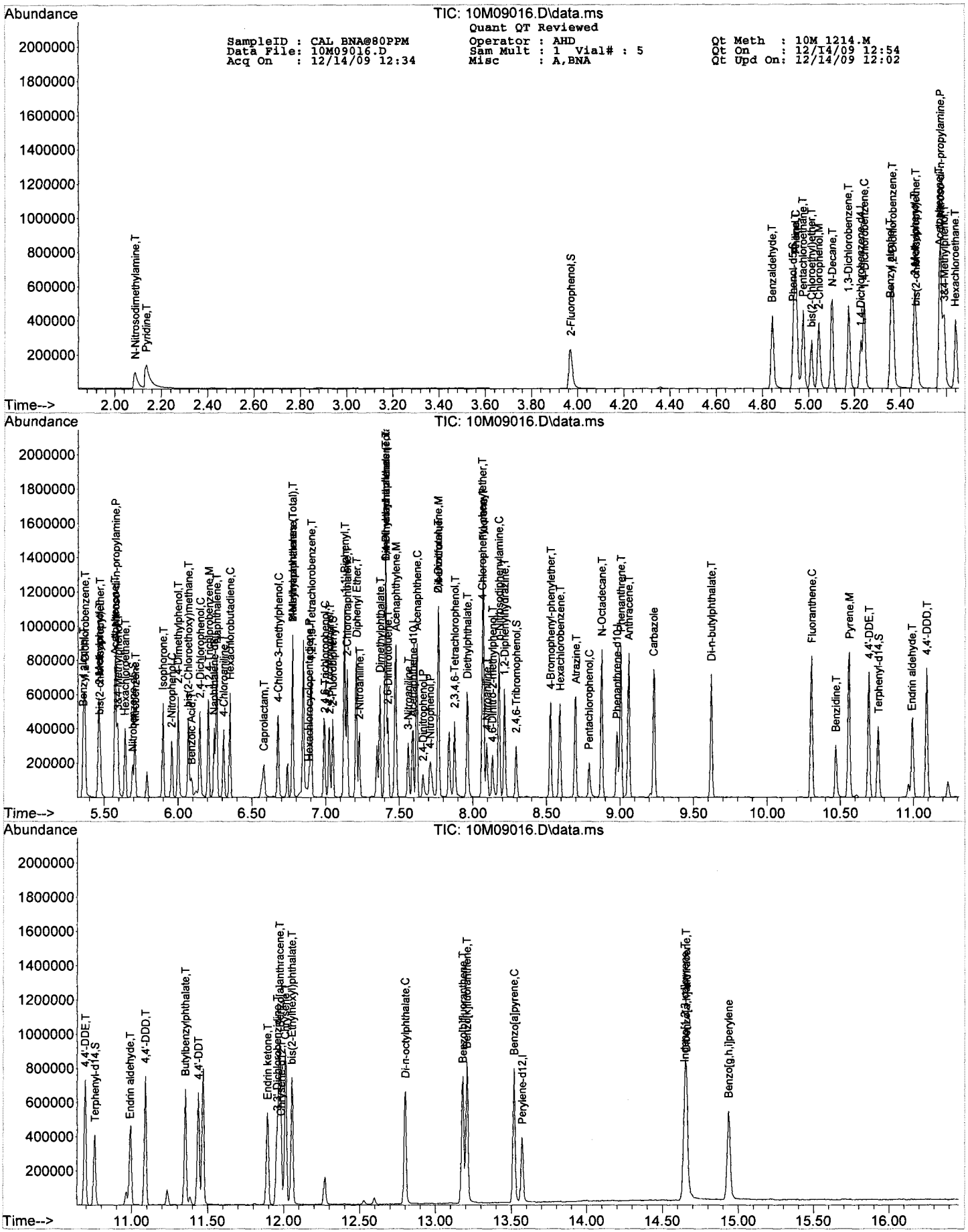
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09016.D Sam Mult : 1 Vial# : 5 Qt On : 12/14/09 12:54
Acq On : 12/14/09 12:34 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	7.710	65	27203	65.63	ng	76
61) 2,3,4,6-Tetrachlorophenol	7.875	232	50966	71.53	ng	84
62) Fluorene	8.068	166	221316	77.21	ng	99
63) 4-Chlorophenyl-phenyle...	8.063	204	108265	76.52	ng	85
64) Diethylphthalate	7.961	149	206316	76.09	ng	99
65) 4-Nitroaniline	8.095	138	50711	75.07	ng	79
66) Atrazine	8.699	200	70468	76.43	ng	93
68) 4,6-Dinitro-2-methylph...	8.132	198	37312	79.45	ng	64
69) n-Nitrosodiphenylamine	8.175	169	187600	78.19	ng	98
71) 1,2-Diphenylhydrazine	8.212	77	197920	80.59	ng	82
72) 4-Bromophenyl-phenylether	8.528	248	65837	78.83	ng	80
73) Hexachlorobenzene	8.592	284	68283	79.33	ng	61
74) N-Octadecane	8.876	57	117222	81.38	ng	64
75) Pentachlorophenol	8.790	266	26254	63.93	ng	96
76) Phenanthrene	9.004	178	309772	75.94	ng	99
77) Anthracene	9.058	178	318845	77.46	ng	99
78) Carbazole	9.229	167	305506	78.49	ng	95
79) Di-n-butylphthalate	9.619	149	361361	79.87	ng	98
80) Fluoranthene	10.304	202	351916	78.12	ng	85
82) Pyrene	10.560	202	376960	77.59	ng	81
83) Benzidine	10.470	184	115127	89.44	ng	81
85) 4,4'-DDE	10.694	246	87829	80.78	ng	95
86) Endrin	10.988	81	16819	83.48	ng	38
87) 4,4'-DDD	11.090	235	140622	79.77	ng	97
88) Butylbenzylphthalate	11.352	149	161326	78.10	ng	71
89) Endrin aldehyde	10.988	67	7115	87.02	ng	83
90) 4,4'-DDT	11.438	235	127216	82.97	ng	95
91) Endrin ketone	11.892	317	18585	84.83	ng	96
92) 3,3'-Dichlorobenzidine	11.956	252	83751	68.71	ng	95
93) Benzo[a]anthracene	11.973	228	359755	77.55	ng	99
94) Chrysene	12.010	228	338189	76.13	ng	98
95) bis(2-Ethylhexyl)phtha...	12.053	149	226425	70.82	ng	93
97) Di-n-octylphthalate	12.802	149	379883	79.80	ng	99
98) Benzo[b]fluoranthene	13.181	252	318661	74.55	ng	92
99) Benzo[k]fluoranthene	13.208	252	346927	79.72	ng	92
100) Benzo[a]pyrene	13.518	252	319324	77.03	ng	90
101) Indeno[1,2,3-cd]pyrene	14.647	276	343196	75.93	ng	78
102) Dibenzo[a,h]anthracene	14.658	278	286581	75.94	ng	86
103) Benzo[g,h,i]perylene	14.936	276	287759	74.75	ng	81

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


Abundance
TIC: 10M09016.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 10M09016.D
Acq On : 12/14/09 12:34
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 10M 1214.M
Qt On : 12/14/09 12:54
Qt Upd On: 12/14/09 12:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Hexachloroethane,T
Time-->

Abundance
TIC: 10M09016.D\data.ms
Isophorone,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
Benzoic Acid,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
Naphthalene,T
4-Chloroaniline,M
Hexachlorobutadiene,C
Caprolactam,T
4-Chloro-3-methylphenol,C
2-Methylnaphthalene,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,C
2,4,5-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Chlorophenyl-phenylether,T
4,6-Dinitro-2-methylphenol,T
1,2-Diphenylhydrazine,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Time-->

Abundance
TIC: 10M09016.D\data.ms
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09015.D Sam Mult : 1 Vial# : 4 Qt On : 12/14/09 12:53
Acq On : 12/14/09 12:11 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.228	152	37191	40.00	ng	0.00
23) Naphthalene-d8	6.244	136	146815	40.00	ng	0.00
41) Acenaphthene-d10	7.592	164	89441	40.00	ng	0.00
67) Phenanthrene-d10	8.983	188	157288	40.00	ng	0.00
81) Chrysene-d12	11.983	240	153220	40.00	ng	0.00
96) Perylene-d12	13.572	264	160180	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.971	112	131590	124.10	ng	0.00
Spiked Amount 100.000			Recovery =	124.10%		
9) Phenol-d5	4.939	99	184060	120.81	ng	0.00
Spiked Amount 100.000			Recovery =	120.81%		
24) Nitrobenzene-d5	5.693	128	36849	59.74	ng	0.00
Spiked Amount 50.000			Recovery =	119.48%		
46) 2-Fluorobiphenyl	7.046	172	177202	56.51	ng	0.00
Spiked Amount 50.000			Recovery =	113.02%		
70) 2,4,6-Tribromophenol	8.293	330	56089	117.90	ng	0.00
Spiked Amount 100.000			Recovery =	117.90%		
84) Terphenyl-d14	10.758	244	255978	60.29	ng	0.00
Spiked Amount 50.000			Recovery =	120.58%		
Target Compounds						Qvalue
2) Pyridine	2.131	79	146303	128.87	ng	63
3) N-Nitrosodimethylamine	2.088	74	81433	127.47	ng	72
5) Benzaldehyde	4.843	77	122626	128.50	ng	77
6) Aniline	4.944	93	204430	123.05	ng	78
7) Pentachloroethane	4.976	117	66476	124.07	ng	77
8) bis(2-Chloroethyl)ether	5.014	93	125026	113.89	ng	79
10) Phenol	4.950	94	203576	126.00	ng	88
11) 2-Chlorophenol	5.046	128	154905	121.39	ng	78
12) N-Decane	5.105	57	134218	118.65	ng	71
13) 1,3-Dichlorobenzene	5.174	146	165760	116.87	ng	99
14) 1,4-Dichlorobenzene	5.244	146	166886	113.26	ng	98
15) 1,2-Dichlorobenzene	5.367	146	161771	120.00	ng	98
16) Benzyl alcohol	5.362	108	99680	126.06	ng	80
17) bis(2-chloroisopropyl)...	5.474	45	130768	122.06	ng	70
18) 2-Methylphenol	5.463	108	137979	118.73	ng	98
19) Acetophenone	5.575	105	248292	117.72	ng	58
20) Hexachloroethane	5.640	117	64917	123.21	ng	83
21) N-Nitroso-di-n-propyla...	5.581	70	114469	119.20	ng	67
22) 3&4-Methylphenol	5.592	108	145638	118.10	ng	95
25) Nitrobenzene	5.709	77	154553	115.47	ng	80
26) Isophorone	5.902	82	288954	116.04	ng	86
27) 2-Nitrophenol	5.961	139	85606	120.27	ng	84
28) 2,4-Dimethylphenol	6.003	107	156971	114.56	ng	91
29) Benzoic Acid	6.100	105	114306m	140.56	ng	
30) bis(2-Chloroethoxy)met...	6.073	93	166759	118.52	ng	98
31) 2,4-Dichlorophenol	6.148	162	134410	117.39	ng	88
32) 1,2,4-Trichlorobenzene	6.207	180	152629	115.38	ng	95
33) Naphthalene	6.260	128	454114	113.33	ng	97
34) 4-Chloroaniline	6.308	127	145388	114.98	ng	100
35) Hexachlorobutadiene	6.351	225	87788	113.41	ng	98
36) Caprolactam	6.597	113	55747	114.26	ng	53
37) 4-Chloro-3-methylphenol	6.677	107	141732	117.12	ng	81
38) 2-Methylnaphthalene	6.774	142	322073	115.47	ng	97
39) Methylnaphthalenes (To...	6.774	142	322073	115.47	ng	97
40) 1,1'-Biphenyl	7.127	154	476883	115.85	ng	92
42) 1,2,4,5-Tetrachloroben...	6.902	216	195820	114.98	ng	97
43) Hexachlorocyclopentadiene	6.891	237	27997	79.50	ng	95
44) 2,4,6-Trichlorophenol	6.993	196	98611	113.17	ng	98
45) 2,4,5-Trichlorophenol	7.025	196	106371	111.46	ng	99
47) 2-Chloronaphthalene	7.143	162	305554	115.11	ng	93
48) 1,4-Dimethylnaphthalene	7.410	156	333206	116.00	ng	85
49) Dimethylnaphthalenes (...	7.410	156	333206	116.00	ng	85
50) Diphenyl Ether	7.207	170	255956	113.80	ng	75
51) 2-Nitroaniline	7.228	65	87261	96.85	ng	55
52) Acenaphthylene	7.474	152	508432	116.63	ng	98
53) Dimethylphthalate	7.373	163	359939	116.60	ng	99
54) 2,6-Dinitrotoluene	7.426	165	82827	114.07	ng	57
55) Acenaphthene	7.619	153	326963	115.62	ng	94
56) 3-Nitroaniline	7.560	138	73099	111.51	ng	79
57) 2,4-Dinitrophenol	7.661	184	41773	117.16	ng	87
58) Dibenzofuran	7.768	168	454727	115.53	ng	81
59) 2,4-Dinitrotoluene	7.768	165	116165	119.63	ng	72

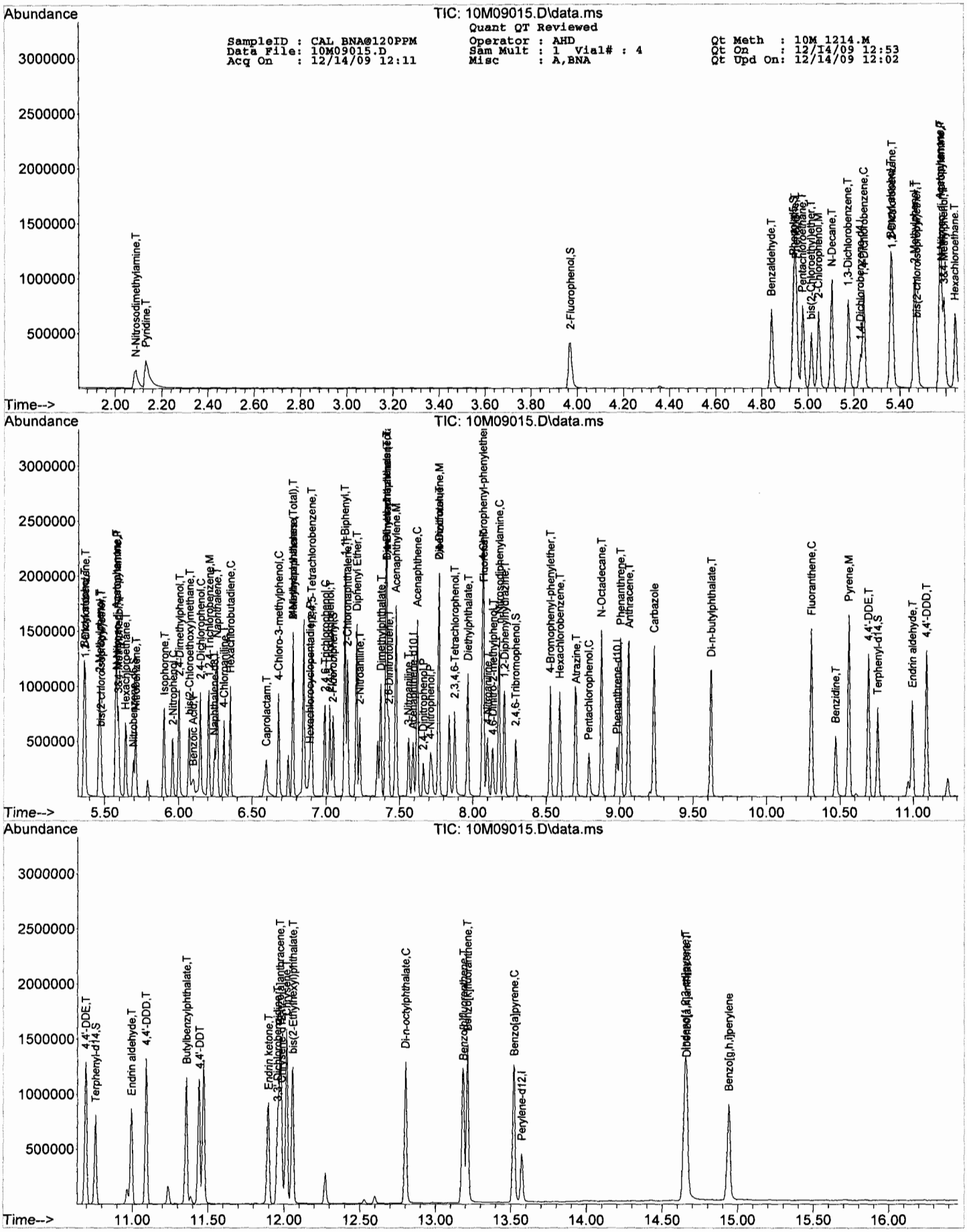
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09015.D Sam Mult : 1 Vial# : 4 Qt On : 12/14/09 12:53
Acq On : 12/14/09 12:11 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.710	65	48919	101.06	ng	80
61)	2,3,4,6-Tetrachlorophenol	7.875	232	90800	109.12	ng	82
62)	Fluorene	8.073	166	387848	115.87	ng	100
63)	4-Chlorophenyl-phenyle...	8.068	204	190995	115.59	ng	81
64)	Diethylphthalate	7.966	149	367693	116.12	ng	97
65)	4-Nitroaniline	8.100	138	86115	109.17	ng	82
66)	Atrazine	8.704	200	128148	119.02	ng	93
68)	4,6-Dinitro-2-methylph...	8.137	198	72074	129.91	ng	71
69)	n-Nitrosodiphenylamine	8.180	169	330871	116.73	ng	98
71)	1,2-Diphenylhydrazine	8.218	77	345195	118.98	ng	79
72)	4-Bromophenyl-phenylether	8.528	248	116547	118.12	ng	82
73)	Hexachlorobenzene	8.592	284	120640	118.63	ng	62
74)	N-Octadecane	8.876	57	208230	122.36	ng	64
75)	Pentachlorophenol	8.790	266	50968	105.06	ng	98
76)	Phenanthrene	9.004	178	557413	115.68	ng	98
77)	Anthracene	9.063	178	570759	117.38	ng	99
78)	Carbazole	9.234	167	543248	118.14	ng	95
79)	Di-n-butylphthalate	9.624	149	647232	121.09	ng	97
80)	Fluoranthene	10.304	202	636960	119.68	ng	88
82)	Pyrene	10.560	202	679552	116.18	ng	85
83)	Benzidine	10.470	184	212874	137.37	ng	85
85)	4,4'-DDE	10.694	246	157807	120.56	ng	95
86)	Endrin	10.994	81	30119	124.16	ng	35
87)	4,4'-DDD	11.090	235	255925	120.58	ng	96
88)	Butylbenzylphthalate	11.357	149	293394	117.97	ng	67
89)	Endrin aldehyde	10.994	67	12202	123.96	ng	82
90)	4,4'-DDT	11.443	235	233383	126.43	ng	95
91)	Endrin ketone	11.898	317	33059	125.34	ng	99
92)	3,3'-Dichlorobenzidine	11.956	252	157340	107.22	ng	96
93)	Benzo[a]anthracene	11.972	228	644877	115.47	ng	99
94)	Chrysene	12.015	228	617604	115.48	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.058	149	410893	106.75	ng	91
97)	Di-n-octylphthalate	12.802	149	710656	128.47	ng	99
98)	Benzo[b]fluoranthene	13.187	252	596725	120.14	ng	92
99)	Benzo[k]fluoranthene	13.213	252	603479	119.33	ng	92
100)	Benzo[a]pyrene	13.524	252	568787	118.07	ng	90
101)	Indeno[1,2,3-cd]pyrene	14.652	276	590754	112.47	ng	80
102)	Dibenzo[a,h]anthracene	14.663	278	490437	111.83	ng	86
103)	Benzo[g,h,i]perylene	14.941	276	480447	107.40	ng	81

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


Abundance
TIC: 10M09015.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 10M09015.D
Acq On : 12/14/09 12:11
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/09 12:53
Qt Upd On: 12/14/09 12:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
N-Decane,T
1,3-Dichlorobenzene,T
Hexachloroethane,T
Time-->

Abundance
TIC: 10M09015.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
Diphenyl Ether,T
Acenaphthylene,M
Acenaphthene,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Time-->

Abundance
TIC: 10M09015.D\data.ms
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09014.D Sam Mult : 1 Vial# : 3 Qt On : 12/14/09 12:53
Acq On : 12/14/09 11:49 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.228	152	48532	40.00	ng	0.00
23) Naphthalene-d8	6.249	136	185167	40.00	ng	0.00
41) Acenaphthene-d10	7.592	164	109660	40.00	ng	0.00
67) Phenanthrene-d10	8.983	188	188425	40.00	ng	0.00
81) Chrysene-d12	11.989	240	178432	40.00	ng	0.00
96) Perylene-d12	13.577	264	186024	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.971	112	232983	168.38	ng	0.00
Spiked Amount 100.000			Recovery = 168.38%			
9) Phenol-d5	4.944	99	330625	166.29	ng	0.00
Spiked Amount 100.000			Recovery = 166.29%			
24) Nitrobenzene-d5	5.693	128	63863	82.09	ng	0.00
Spiked Amount 50.000			Recovery = 164.18%			
46) 2-Fluorobiphenyl	7.052	172	307344	79.94	ng	0.00
Spiked Amount 50.000			Recovery = 159.88%			
70) 2,4,6-Tribromophenol	8.298	330	94875	166.47	ng	0.00
Spiked Amount 100.000			Recovery = 166.47%			
84) Terphenyl-d14	10.758	244	409218	82.77	ng	0.00
Spiked Amount 50.000			Recovery = 165.54%			
Target Compounds						Qvalue
2) Pyridine	2.126	79	248666	167.85	ng	60
3) N-Nitrosodimethylamine	2.088	74	144398	173.22	ng	75
5) Benzaldehyde	4.843	77	209138	167.94	ng	79
6) Aniline	4.950	93	378715	174.68	ng	76
7) Pentachloroethane	4.976	117	116387	166.46	ng	75
8) bis(2-Chloroethyl)ether	5.019	93	223227	155.82	ng	78
10) Phenol	4.955	94	360780	171.12	ng	96
11) 2-Chlorophenol	5.051	128	271899	163.29	ng	77
12) N-Decane	5.105	57	249816	169.23	ng	73
13) 1,3-Dichlorobenzene	5.180	146	293899	158.79	ng	98
14) 1,4-Dichlorobenzene	5.244	146	299871	155.95	ng	96
15) 1,2-Dichlorobenzene	5.367	146	290772	165.29	ng	96
16) Benzyl alcohol	5.362	108	178223	172.72	ng	83
17) bis(2-chloroisopropyl)...	5.474	45	235284	168.29	ng	69
18) 2-Methylphenol	5.463	108	244144	161.00	ng	99
19) Acetophenone	5.581	105	451646	164.09	ng	56
20) Hexachloroethane	5.640	117	113204	164.65	ng	80
21) N-Nitroso-di-n-propyla...	5.581	70	203995	162.79	ng	72
22) 3&4-Methylphenol	5.597	108	257999	160.32	ng	97
25) Nitrobenzene	5.709	77	277592	164.44	ng	84
26) Isophorone	5.902	82	506988	161.43	ng	91
27) 2-Nitrophenol	5.961	139	152955	170.39	ng	88
28) 2,4-Dimethylphenol	6.003	107	278542	161.18	ng	95
29) Benzoic Acid	6.121	105	194844m	189.97	ng	
30) bis(2-Chloroethoxy)met...	6.073	93	289141	162.94	ng	98
31) 2,4-Dichlorophenol	6.153	162	236267	163.61	ng	86
32) 1,2,4-Trichlorobenzene	6.207	180	272742	163.48	ng	97
33) Naphthalene	6.266	128	800508	158.40	ng	97
34) 4-Chloroaniline	6.308	127	227798	142.84	ng	99
35) Hexachlorobutadiene	6.351	225	153275	157.00	ng	96
36) Caprolactam	6.613	113	97105	157.80	ng	55
37) 4-Chloro-3-methylphenol	6.683	107	248947	163.10	ng	79
38) 2-Methylnaphthalene	6.774	142	567200	161.24	ng	97
39) Methylnaphthalenes (To...	6.774	142	567200	161.24	ng	97
40) 1,1'-Biphenyl	7.127	154	837732	161.36	ng	93
42) 1,2,4,5-Tetrachloroben...	6.902	216	338000	161.88	ng	98
43) Hexachlorocyclopentadiene	6.891	237	65052	150.67	ng	98
44) 2,4,6-Trichlorophenol	6.993	196	174294	163.14	ng	100
45) 2,4,5-Trichlorophenol	7.030	196	185099	158.20	ng	99
47) 2-Chloronaphthalene	7.148	162	529026	162.55	ng	91
48) 1,4-Dimethylnaphthalene	7.410	156	579764	164.62	ng	87
49) Dimethylnaphthalenes (...	7.410	156	579764	164.62	ng	87
50) Diphenyl Ether	7.207	170	447966	162.44	ng	79
51) 2-Nitroaniline	7.234	65	144931	131.20	ng	49
52) Acenaphthylene	7.480	152	888084	166.16	ng	97
53) Dimethylphthalate	7.378	163	618103	163.31	ng	99
54) 2,6-Dinitrotoluene	7.432	165	144343	162.13	ng	50
55) Acenaphthene	7.624	153	559056	161.24	ng	94
56) 3-Nitroaniline	7.565	138	113615	141.36	ng	78
57) 2,4-Dinitrophenol	7.667	184	79714	182.34	ng	80
58) Dibenzofuran	7.769	168	794619	164.66	ng	83
59) 2,4-Dinitrotoluene	7.774	165	203448	170.88	ng	67

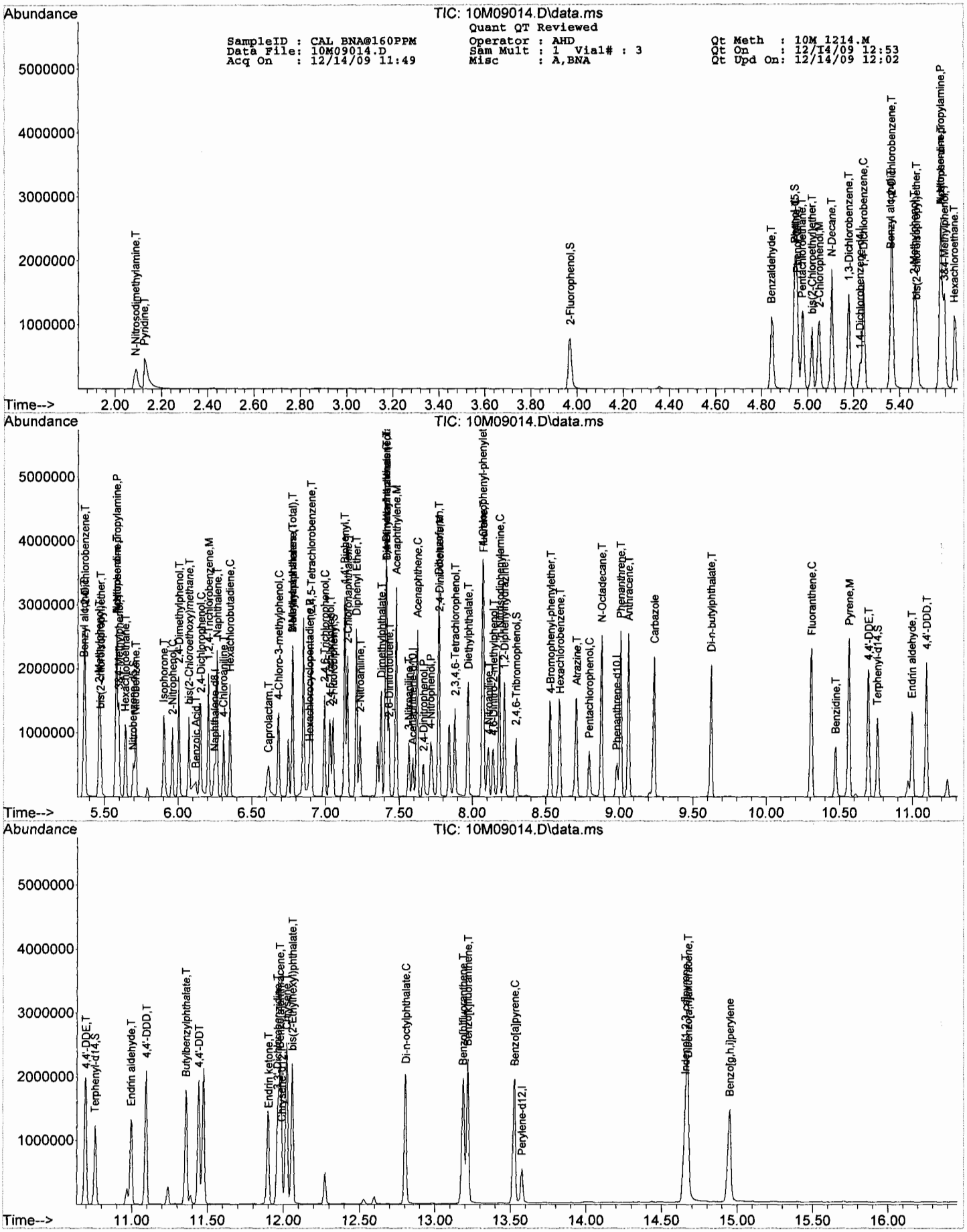
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09014.D Sam Mult : 1 Vial# : 3 Qt On : 12/14/09 12:53
Acq On : 12/14/09 11:49 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.715	65	88933	149.85	ng	86
61)	2,3,4,6-Tetrachlorophenol	7.881	232	161718	158.52	ng	83
62)	Fluorene	8.073	166	675615	164.63	ng	100
63)	4-Chlorophenyl-phenyle...	8.068	204	332727	164.24	ng	82
64)	Diethylphthalate	7.972	149	630080	162.30	ng	97
65)	4-Nitroaniline	8.111	138	144485	149.39	ng	80
66)	Atrazine	8.710	200	211888	160.51	ng	93
68)	4,6-Dinitro-2-methylph...	8.143	198	120974	182.02	ng	70
69)	n-Nitrosodiphenylamine	8.186	169	565256	166.46	ng	99
71)	1,2-Diphenylhydrazine	8.218	77	593153	170.67	ng	83
72)	4-Bromophenyl-phenylether	8.533	248	198144	167.63	ng	78
73)	Hexachlorobenzene	8.598	284	207721	170.51	ng	58
74)	N-Octadecane	8.881	57	366749	179.90	ng	62
75)	Pentachlorophenol	8.795	266	92507	159.18	ng	98
76)	Phenanthrene	9.009	178	928714	160.88	ng	98
77)	Anthracene	9.063	178	955272	163.99	ng	99
78)	Carbazole	9.239	167	903846	164.08	ng	96
79)	Di-n-butylphthalate	9.624	149	1074296	167.77	ng	97
80)	Fluoranthene	10.309	202	1046624	164.16	ng	87
82)	Pyrene	10.566	202	1114992	163.68	ng	85
83)	Benzidine	10.475	184	323781	179.41	ng	83
85)	4,4'-DDE	10.700	246	255578	167.66	ng	94
86)	Endrin	10.994	81	49153	174.00	ng	38
87)	4,4'-DDD	11.095	235	422890	171.09	ng	96
88)	Butylbenzylphthalate	11.357	149	479013	165.39	ng	71
89)	Endrin aldehyde	10.994	67	19226	167.72	ng	83
90)	4,4'-DDT	11.443	235	382439	177.91	ng	94
91)	Endrin ketone	11.903	317	51993	169.27	ng	97
92)	3,3'-Dichlorobenzidine	11.962	252	248560	145.45	ng	96
93)	Benzo[a]anthracene	11.978	228	1048606	161.22	ng	100
94)	Chrysene	12.021	228	998685	160.35	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.058	149	672873	150.11	ng	93
97)	Di-n-octylphthalate	12.807	149	1127445	175.50	ng	99
98)	Benzo[b]fluoranthene	13.187	252	1009880	175.07	ng	93
99)	Benzo[k]fluoranthene	13.219	252	936025	159.38	ng	92
100)	Benzo[a]pyrene	13.529	252	935828	167.27	ng	90
101)	Indeno[1,2,3-cd]pyrene	14.658	276	1024184	167.90	ng	83
102)	Dibenzo[a,h]anthracene	14.674	278	857943	168.46	ng	86
103)	Benzo[g,h,i]perylene	14.952	276	845804	162.80	ng	82

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


Abundance
TIC: 10M09014.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 10M09014.D
Acq On : 12/14/09 11:49
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 10M 1214.M
Qt On : 12/14/09 12:53
Qt Upd On: 12/14/09 12:02
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09013.D Sam Mult : 1 Vial# : 2 Qt On : 12/14/09 12:02
Acq On : 12/14/09 11:27 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.228	152	44242	40.00	ng	0.00
23) Naphthalene-d8	6.249	136	167419	40.00	ng	0.00
41) Acenaphthene-d10	7.592	164	97562	40.00	ng	0.00
67) Phenanthrene-d10	8.983	188	174446	40.00	ng	0.00
81) Chrysene-d12	11.989	240	155754	40.00	ng	0.00
96) Perylene-d12	13.577	264	165145	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.971	112	265805	210.72	ng	0.00
Spiked Amount 100.000			Recovery = 210.72%			
9) Phenol-d5	4.944	99	376613	207.79	ng	0.00
Spiked Amount 100.000			Recovery = 207.79%			
24) Nitrobenzene-d5	5.699	128	70637	100.42	ng	0.00
Spiked Amount 50.000			Recovery = 200.84%			
46) 2-Fluorobiphenyl	7.052	172	340771	99.63	ng	0.00
Spiked Amount 50.000			Recovery = 199.26%			
70) 2,4,6-Tribromophenol	8.298	330	105227	199.44	ng	0.00
Spiked Amount 100.000			Recovery = 199.44%			
84) Terphenyl-d14	10.764	244	449971	104.26	ng	0.00
Spiked Amount 50.000			Recovery = 208.52%			
Target Compounds						Qvalue
2) Pyridine	2.126	79	294827	218.31	ng	61
3) N-Nitrosodimethylamine	2.088	74	165796	218.17	ng	74
5) Benzaldehyde	4.843	77	229141	201.85	ng	77
6) Aniline	4.950	93	428097	216.61	ng	76
7) Pentachloroethane	4.976	117	128291	201.28	ng	72
8) bis(2-Chloroethyl)ether	5.019	93	249698	191.20	ng	79
10) Phenol	4.955	94	411194	213.95	ng	95
11) 2-Chlorophenol	5.051	128	306541	201.94	ng	77
12) N-Decane	5.105	57	280269	208.27	ng	72
13) 1,3-Dichlorobenzene	5.180	146	329055	195.02	ng	98
14) 1,4-Dichlorobenzene	5.244	146	343591	196.02	ng	96
15) 1,2-Dichlorobenzene	5.367	146	323623	201.80	ng	97
16) Benzyl alcohol	5.367	108	201459	214.17	ng	75
17) bis(2-chloroisopropyl)...	5.474	45	267387	209.80	ng	74
18) 2-Methylphenol	5.463	108	277087	200.44	ng	99
19) Acetophenone	5.581	105	508389	202.62	ng	58
20) Hexachloroethane	5.645	117	126577	201.96	ng	58
21) N-Nitroso-di-n-propyla...	5.586	70	229629	201.01	ng	67
22) 3&4-Methylphenol	5.597	108	288611	196.73	ng	94
25) Nitrobenzene	5.715	77	312733	204.89	ng	77
26) Isophorone	5.907	82	561576	197.77	ng	86
27) 2-Nitrophenol	5.961	139	173528	213.80	ng	89
28) 2,4-Dimethylphenol	6.009	107	316505	202.56	ng	93
29) Benzoic Acid	6.126	105	218355m	235.47	ng	
30) bis(2-Chloroethoxy)met...	6.073	93	332949	207.52	ng	98
31) 2,4-Dichlorophenol	6.153	162	266660	204.23	ng	86
32) 1,2,4-Trichlorobenzene	6.207	180	305848	202.75	ng	97
33) Naphthalene	6.265	128	913069	199.83	ng	97
34) 4-Chloroaniline	6.308	127	232959	161.56	ng	100
35) Hexachlorobutadiene	6.351	225	174660	197.88	ng	96
36) Caprolactam	6.618	113	107262	192.79	ng	56
37) 4-Chloro-3-methylphenol	6.683	107	274218	198.71	ng	79
38) 2-Methylnaphthalene	6.779	142	640365	201.34	ng	97
39) Methylnaphthalenes (To...	6.779	142	640365	201.34	ng	97
40) 1,1'-Biphenyl	7.132	154	942087	200.70	ng	92
42) 1,2,4,5-Tetrachloroben...	6.902	216	384239	206.84	ng	98
43) Hexachlorocyclopentadiene	6.891	237	74086	192.87	ng	98
44) 2,4,6-Trichlorophenol	6.993	196	195997	206.20	ng	99
45) 2,4,5-Trichlorophenol	7.030	196	208454	200.25	ng	98
47) 2-Chloronaphthalene	7.148	162	590160	203.82	ng	92
48) 1,4-Dimethylnaphthalene	7.410	156	647223	206.56	ng	89
49) Dimethylnaphthalenes (...	7.410	156	647223	206.56	ng	89
50) Diphenyl Ether	7.212	170	506816	206.57	ng	70
51) 2-Nitroaniline	7.234	65	161564	164.40	ng	53
52) Acenaphthylene	7.480	152	998800	210.04	ng	97
53) Dimethylphthalate	7.378	163	685723	203.64	ng	99
54) 2,6-Dinitrotoluene	7.431	165	159749	201.69	ng	57
55) Acenaphthene	7.624	153	632861	205.16	ng	95
56) 3-Nitroaniline	7.571	138	125138	175.00	ng	69
57) 2,4-Dinitrophenol	7.667	184	87637	225.33	ng	84
58) Dibenzofuran	7.768	168	884533	206.02	ng	83
59) 2,4-Dinitrotoluene	7.774	165	222663	210.21	ng	72

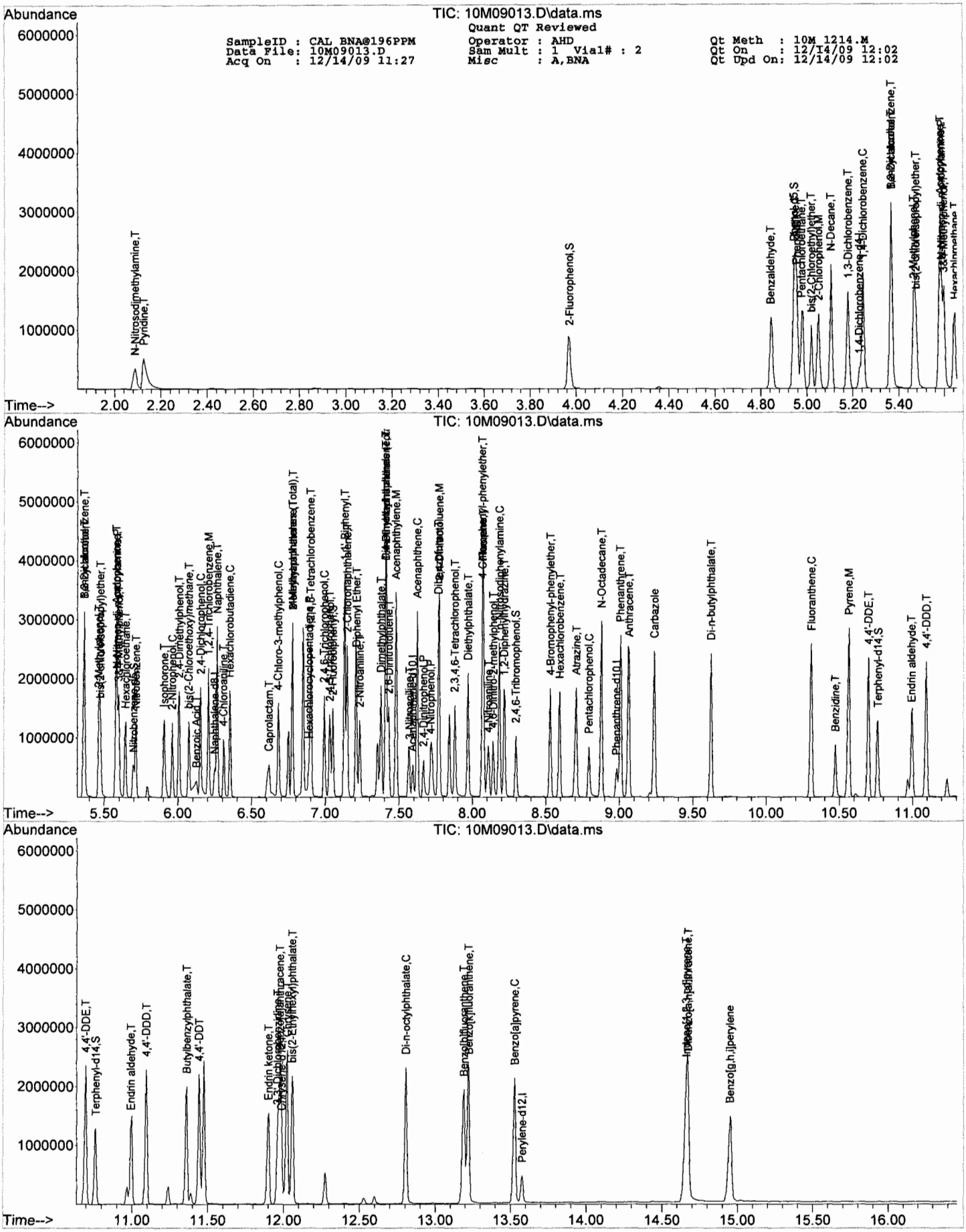
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09013.D Sam Mult : 1 Vial# : 2 Qt On : 12/14/09 12:02
Acq On : 12/14/09 11:27 Misc : A,BNA Qt Upd On: 12/14/09 12:02

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	7.715	65	97575	184.80	ng	87
61)	2,3,4,6-Tetrachlorophenol	7.881	232	180225	198.57	ng	82
62)	Fluorene	8.073	166	744521	203.92	ng	99
63)	4-Chlorophenyl-phenyle...	8.068	204	366535	203.37	ng	84
64)	Diethylphthalate	7.972	149	685421	198.44	ng	98
65)	4-Nitroaniline	8.111	138	162521	188.87	ng	80
66)	Atrazine	8.710	200	239336	203.79	ng	95
68)	4,6-Dinitro-2-methylph...	8.143	198	136654	222.09	ng	68
69)	n-Nitrosodiphenylamine	8.186	169	624124	198.52	ng	99
71)	1,2-Diphenylhydrazine	8.218	77	660749	205.35	ng	86
72)	4-Bromophenyl-phenylether	8.533	248	226084	206.60	ng	80
73)	Hexachlorobenzene	8.597	284	231938	205.65	ng	61
74)	N-Octadecane	8.881	57	412737	218.68	ng	63
75)	Pentachlorophenol	8.795	266	107682	200.14	ng	97
76)	Phenanthrene	9.009	178	1043080	195.17	ng	98
77)	Anthracene	9.068	178	1073342	199.02	ng	99
78)	Carbazole	9.239	167	1012332	198.50	ng	95
79)	Di-n-butylphthalate	9.624	149	1212507	204.53	ng	97
80)	Fluoranthene	10.309	202	1149258	194.70	ng	89
82)	Pyrene	10.566	202	1244190	209.25	ng	86
83)	Benzidine	10.475	184	339670	215.62	ng	83
85)	4,4'-DDE	10.699	246	284484	213.80	ng	93
86)	Endrin	10.994	81	54652	221.63	ng	38
87)	4,4'-DDD	11.095	235	466444	216.19	ng	96
88)	Butylbenzylphthalate	11.363	149	522061	206.50	ng	67
89)	Endrin aldehyde	10.994	67	20861	208.48	ng	80
90)	4,4'-DDT	11.443	235	424079	226.00	ng	94
91)	Endrin ketone	11.903	317	57336	213.85	ng	100
92)	3,3'-Dichlorobenzidine	11.962	252	248397	166.52	ng	96
93)	Benzo[a]anthracene	11.978	228	1124904	198.14	ng	100
94)	Chrysene	12.026	228	1062729	195.48	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.058	149	728339	186.15	ng	94
97)	Di-n-octylphthalate	12.807	149	1243551	218.04	ng	100
98)	Benzo[b]fluoranthene	13.192	252	1019072	199.00	ng	92
99)	Benzo[k]fluoranthene	13.224	252	1054780	202.30	ng	90
100)	Benzo[a]pyrene	13.529	252	981712	197.66	ng	91
101)	Indeno[1,2,3-cd]pyrene	14.663	276	1086246	200.59	ng	86
102)	Dibenzo[a,h]anthracene	14.674	278	920006	203.48	ng	86
103)	Benzo[g,h,i]perylene	14.952	276	890992	193.18	ng	82

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


Abundance
TIC: 10M09013.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 10M09013.D
Acq On : 12/14/09 11:27
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/14/09 12:02
Qt Upd On: 12/14/09 12:02
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,C
Time-->

Abundance
TIC: 10M09013.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,C
2,4-Dimethylphenol,T
bis(2-Chloroethoxy)methane,T
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene,M
Naphthalene,T
4-Chloroaniline,T
Hexachlorobutadiene,C
Benzoic Acid,T
Naphthalene-d8,I
2,6-Tetrachlorobenzene,T
2,4,6-Trichlorophenol,C
2-Chloronaphthalene,T
2-Nitroaniline,T
Dimethylphthalate,T
2,6-Dinitrotoluene,T
Acenaphthylene,M
3-Nitroaniline,T
Acenaphthene,C
2,4-Dinitrophenol,P
4-Nitrophenol,P
Dibenzofuran,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Chlorophenyl-phenylether,T
Fluorene,C
4-Nitroaniline,T
4,6-Dinitro-2-methylphenol,T
Diphenylamine,C
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,I
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Time-->

Abundance
TIC: 10M09013.D\data.ms
4,4'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
4,4'-DDD,T
Butylbenzylphthalate,T
4,4'-DDT
Endrin ketone,T
bis(2-Ethylhexyl)phthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M22189.	CAL BNA@50PPM	12/17/09 10:22	2	9M22196.	CAL BNA@2PPM	12/17/09 13:02
3	9M22197.	CAL BNA@10PPM	12/17/09 13:27	4	9M22194.	CAL BNA@20PPM	12/17/09 12:16
5	9M22193.	CAL BNA@80PPM	12/17/09 11:53	6	9M22192.	CAL BNA@120PPM	12/17/09 11:31
7	9M22191.	CAL BNA@160PPM	12/17/09 11:08	8	9M22190.	CAL BNA@196PPM	12/17/09 10:45

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Pyridine	1	0	Avg	1.3541	1.2749	1.0920	1.3170	1.4429	1.4062	1.4477	1.4065	-----	1.34	2.82	0.999	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitrosodimethylamin	1	0	Qua	0.8231	0.6631	0.7191	0.8073	0.8762	0.8535	0.8636	0.8504	-----	0.807	2.75	1.00	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorophenol	1	0	Avg	1.2287	1.2821	1.0382	1.1300	1.2774	1.2784	1.3298	1.3161	-----	1.24	4.47	0.999	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzaldehyde	1	0	Qua	1.1623	1.4716	1.2795	1.3058	1.0535	0.6207	0.4791	0.4169	-----	0.974	5.30	0.854	0.992	42		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Aniline	1	0	Avg	2.1121	2.1480	1.9732	2.0234	2.0718	2.0393	2.0813	2.0518	-----	2.06	5.40	1.00	1.00	2.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachloroethane	1	0	Avg	0.6082	0.7277	0.6372	0.6156	0.6383	0.6195	0.6379	0.6028	-----	0.636	5.44	0.998	0.999	6.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethyl)ether	1	0	Avg	1.3747	1.6474	1.2936	1.3043	1.3155	1.2928	1.3111	1.2948	-----	1.35	5.46	1.00	1.00	9.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol-d5	1	0	Avg	1.7360	1.7796	1.6219	1.7419	1.7116	1.7272	1.8356	1.8104	-----	1.75	5.37	0.999	0.999	3.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Phenol	1	0	Avg	1.9575	2.2915	1.7889	1.7674	1.8657	1.8664	1.9479	1.9258	-----	1.93	5.38	0.999	1.00	8.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Chlorophenol	1	0	Avg	1.4422	1.5631	1.3794	1.3866	1.4107	1.4025	1.4360	1.4359	-----	1.43	5.50	1.00	1.00	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Decane	1	0	Avg	1.6956	2.0523	1.6624	1.6191	1.7764	1.6795	1.6889	1.6146	-----	1.72	5.55	0.998	0.999	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,3-Dichlorobenzene	1	0	Avg	1.4945	1.7019	1.5012	1.4890	1.4915	1.4555	1.4656	1.4366	-----	1.50	5.63	1.00	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,4-Dichlorobenzene	1	0	Avg	1.5394	2.0493	1.5042	1.4972	1.5827	1.5243	1.5359	1.4795	-----	1.59	5.69	0.999	1.00	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2-Dichlorobenzene	1	0	Avg	1.4535	1.6953	1.4194	1.4407	1.4375	1.4092	1.4421	1.4045	-----	1.46	5.82	1.00	1.00	6.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzyl alcohol	1	0	Avg	0.9754	0.8898	0.8959	0.9126	0.9078	0.9134	0.9603	0.9464	-----	0.925	5.80	0.999	0.999	3.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-chloroisopropyl)e	1	0	Avg	2.1454	2.6551	2.1465	2.1459	2.0526	2.0425	2.1288	2.0719	-----	2.17	5.91	0.999	0.999	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylphenol	1	0	Avg	1.3193	1.3969	1.2190	1.3254	1.2223	1.2421	1.3072	1.2746	-----	1.29	5.89	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acetophenone	1	0	Avg	2.3454	2.8931	2.3148	2.3434	2.2380	2.2083	2.2663	2.2366	-----	2.36	6.01	1.00	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachloroethane	1	0	Avg	0.6154	0.7074	0.6262	0.5932	0.6271	0.6073	0.6168	0.6216	-----	0.627	6.10	1.00	1.00	5.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Nitroso-di-n-propyla	1	0	Avg	1.1619	1.4662	1.1247	1.1670	1.0925	1.0817	1.1237	1.1059	-----	1.17	6.01	0.999	0.999	11	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3&4-Methylphenol	1	0	Avg	1.3964	1.5769	1.3551	1.4028	1.2917	1.3225	1.3489	1.3262	-----	1.38	6.02	1.00	1.00	6.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Nitrobenzene-d5	1	0	Avg	0.1653	0.2158	0.1626	0.1627	0.1688	0.1674	0.1800	0.1732	-----	0.175	6.13	0.998	0.999	10		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
Nitrobenzene	1	0	Avg	0.3844	0.4882	0.3726	0.3848	0.3874	0.3699	0.3850	0.3902	-----	0.395	6.15	0.999	1.00	9.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Isophorone	1	0	Avg	0.7315	0.9621	0.7209	0.7373	0.7132	0.7020	0.7417	0.7502	-----	0.757	6.34	0.999	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitrophenol	1	0	Avg	0.1863	0.1967	0.1752	0.1810	0.1878	0.1865	0.2001	0.2006	-----	0.189	6.40	0.998	1.00	4.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dimethylphenol	1	0	Avg	0.3753	0.4548	0.3436	0.3676	0.3662	0.3602	0.3853	0.3873	-----	0.380	6.43	0.998	0.999	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzoic Acid	1	0	Qua	0.2231	0.1673	0.1078	0.1778	0.2378	0.2505	0.2578	0.2692	-----	0.211	6.50	0.998	1.00	26		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Chloroethoxy)me	1	0	Avg	0.4221	0.5165	0.4339	0.4232	0.4102	0.4101	0.4206	0.4303	-----	0.433	6.50	0.999	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4-Dichlorophenol	1	0	Avg	0.2841	0.3406	0.2671	0.2742	0.2806	0.2807	0.2892	0.2940	-----	0.289	6.58	0.999	1.00	7.8	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4-Trichlorobenzene	1	0	Avg	0.3086	0.3955	0.3163	0.3074	0.3152	0.3082	0.3186	0.3177	-----	0.323	6.65	1.00	1.00	9.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Naphthalene	1	0	Avg	1.0425	1.3263	1.0669	1.0509	1.0313	1.0037	1.0392	1.0503	-----	1.08	6.71	0.999	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloroaniline	1	0	Avg	0.4153	0.4275	0.3781	0.4210	0.3777	0.3617	0.3453	0.3347	-----	0.383	6.74	0.996	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobutadiene	1	0	Avg	0.1494	0.1988	0.1610	0.1464	0.1530	0.1495	0.1488	0.1496	-----	0.157	6.80	1.00	1.00	11	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Caprolactam	1	0	Avg	0.1354	0.1456	0.1158	0.1335	0.1320	0.1318	0.1346	0.1243	-----	0.132	7.02	0.997	0.998	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chloro-3-methylphen	1	0	Avg	0.3299	0.3650	0.3106	0.3030	0.3110	0.3040	0.3305	0.3394	-----	0.324	7.11	0.997	0.999	6.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Methylnaphthalene	1	0	Avg	0.7251	0.9262	0.7251	0.7077	0.6889	0.6919	0.7171	0.7307	-----	0.739	7.23	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Methylnaphthalenes (T	1	0	Avg	0.7251	0.9262	0.7251	0.7077	0.6889	0.6919	0.7171	0.7307	-----	0.739	7.23	0.999	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,1'-Biphenyl	1	0	Avg	1.0406	1.2355	1.0510	1.0651	1.0010	0.9699	1.0187	1.0461	-----	1.05	7.60	0.998	0.999	7.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1,2,4,5-Tetrachloroben	1	0	Avg	0.6189	0.7354	0.6145	0.6174	0.6051	0.5996	0.6150	0.5987	-----	0.626	7.37	1.00	1.00	7.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorocyclopentac	1	0	Qua	0.1994	0.0801	0.1269	0.1771	0.2321	0.2412	0.2633	0.2553	-----	0.197	7.36	0.997	0.998	33	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2,4,6-Trichlorophenol	1	0	Avg	0.3230	0.3977	0.3165	0.3290	0.3208	0.3309	0.3462	0.3344	-----	0.337	7.45	0.999	0.999	7.7	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.38

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

0321

Form 6
Initial Calibration

Method: EPA 8270C

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M22189.	CAL BNA@50PPM	12/17/09 10:22	2	9M22196.	CAL BNA@2PPM	12/17/09 13:02
3	9M22197.	CAL BNA@10PPM	12/17/09 13:27	4	9M22194.	CAL BNA@20PPM	12/17/09 12:16
5	9M22193.	CAL BNA@80PPM	12/17/09 11:53	6	9M22192.	CAL BNA@120PPM	12/17/09 11:31
7	9M22191.	CAL BNA@160PPM	12/17/09 11:08	8	9M22190.	CAL BNA@196PPM	12/17/09 10:45

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
2.4.5-Trichlorophenol	1	0	Avg	0.3686	0.4199	0.3537	0.3592	0.3506	0.3483	0.3779	0.3645	-----	0.368	7.49	0.998	0.998	6.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Fluorobiphenyl	1	0	Avg	1.3778	1.7486	1.3634	1.3415	1.2986	1.2954	1.3583	1.2920	-----	1.38	7.52	0.999	0.999	11		25.00	1.00	5.00	10.00	40.00	60.00	80.00	98.00	
2-Chloronaphthalene	1	0	Avg	1.1486	1.4746	1.2091	1.1638	1.1517	1.1180	1.1716	1.1374	-----	1.20	7.63	0.999	0.999	9.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.4-Dimethylnaphthalei	1	0	Avg	1.2604	1.6342	1.2972	1.2604	1.2204	1.2005	1.2445	1.1940	-----	1.29	7.91	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylnaphthalenes	1	0	Avg	1.2604	1.6342	1.2972	1.2604	1.2204	1.2005	1.2445	1.1940	-----	1.29	7.91	0.999	0.999	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diphenyl Ether	1	0	Avg	0.9420	1.1929	0.9631	0.9774	0.9195	0.9114	0.9454	0.9266	-----	0.972	7.69	1.00	1.00	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2-Nitroaniline	1	0	Avg	0.5272	0.5843	0.4996	0.5178	0.5174	0.5118	0.5337	0.5151	-----	0.526	7.71	0.999	0.999	4.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthylene	1	0	Avg	1.9802	2.5972	1.9785	1.9814	1.9077	1.8976	1.9701	1.9042	-----	2.03	7.98	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dimethylphthalate	1	0	Avg	1.3858	1.6460	1.3978	1.3926	1.3183	1.2999	1.3920	1.3434	-----	1.40	7.85	0.999	0.999	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.6-Dinitrotoluene	1	0	Avg	0.3077	0.3892	0.2913	0.3005	0.3021	0.2952	0.3082	0.2968	-----	0.311	7.91	0.999	0.999	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Acenaphthene	1	0	Avg	1.2411	1.6512	1.2198	1.2607	1.1842	1.2056	1.2509	1.2163	-----	1.28	8.13	0.999	0.999	12	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3-Nitroaniline	1	0	Avg	0.3436	0.3276	0.3359	0.3459	0.3187	0.3222	0.3107	0.2951	-----	0.325	8.06	0.997	1.00	5.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrophenol	1	0	Qua	0.1448	-----	0.0674	0.1141	0.1545	0.1600	0.1777	0.1780	-----	0.142	8.15	0.997	0.999	28	**(0.050)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzofuran	1	0	Avg	1.6731	2.1734	1.6532	1.6606	1.5855	1.5945	1.6433	1.6084	-----	1.70	8.29	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4-Dinitrotoluene	1	0	Avg	0.4348	0.5039	0.3757	0.4050	0.4166	0.4177	0.4409	0.4120	-----	0.426	8.27	0.998	0.998	8.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitrophenol	1	0	Avg	0.2816	0.2765	0.2700	0.2818	0.2718	0.2637	0.2831	0.2746	-----	0.275	8.19	0.999	0.999	2.5	**(0.050)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.3.4.6-Tetrachlorophe	1	0	Avg	0.2659	0.3090	0.2358	0.2679	0.2751	0.2734	0.2981	0.2852	-----	0.276	8.40	0.998	0.998	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluorene	1	0	Avg	1.3982	1.7401	1.3769	1.4108	1.3307	1.3348	1.3817	1.3422	-----	1.41	8.61	1.00	1.00	9.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Chlorophenyl-phenyl	1	0	Avg	0.6117	0.8194	0.5987	0.5996	0.5788	0.5715	0.5842	0.5835	-----	0.618	8.60	1.00	1.00	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Diethylphthalate	1	0	Avg	1.4766	1.9621	1.5459	1.4974	1.4309	1.4054	1.4655	1.4143	-----	1.52	8.48	0.999	0.999	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Nitroaniline	1	0	Avg	0.3782	0.4124	0.3797	0.3711	0.3706	0.3669	0.3836	0.3662	-----	0.379	8.62	0.999	0.999	4.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Atrazine	1	0	Avg	0.4404	0.5511	0.4502	0.4180	0.4137	0.4203	0.4238	0.4093	-----	0.441	9.25	0.999	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4.6-Dinitro-2-methylphe	1	0	Avg	0.1297	-----	0.0864	0.1181	0.1272	0.1321	0.1413	0.1401	-----	0.125	8.65	0.998	0.999	15		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
n-Nitrosodiphenylamine	1	0	Avg	0.7367	0.9149	0.7061	0.7463	0.7075	0.6795	0.7165	0.7124	-----	0.740	8.71	0.999	0.999	9.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
2.4.6-Tribromophenol	1	0	Avg	0.0806	0.0714	0.0743	0.0751	0.0760	0.0760	0.0809	0.0813	-----	0.0770	8.84	0.999	0.999	4.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
1.2-Diphenylhydrazine	1	0	Avg	0.9729	1.2084	0.9771	0.9809	0.9426	0.9150	0.9537	0.9568	-----	0.988	8.75	0.999	1.00	9.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
4-Bromophenyl-phenyl	1	0	Avg	0.1950	0.1961	0.2015	0.1958	0.1840	0.1861	0.1917	0.1956	-----	0.193	9.09	0.999	1.00	3.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Hexachlorobenzene	1	0	Avg	0.1874	0.2173	0.1931	0.1795	0.1823	0.1795	0.1866	0.1828	-----	0.189	9.15	1.00	1.00	6.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
N-Octadecane	1	0	Avg	0.6900	0.7461	0.6591	0.6761	0.6737	0.6557	0.6837	0.6914	-----	0.685	9.43	0.999	1.00	4.1		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pentachlorophenol	1	0	Qua	0.1037	-----	0.0586	0.0891	0.1045	0.1084	0.1179	0.1214	-----	0.101	9.35	0.997	0.999	21	*(30)	50.00		10.00	20.00	80.00	120.0	160.0	196.0	
Phenanthrene	1	0	Avg	1.2018	1.4597	1.1992	1.2338	1.1545	1.1531	1.1912	1.1735	-----	1.22	9.58	1.00	1.00	8.2		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Anthracene	1	0	Avg	1.2555	1.6526	1.2204	1.2444	1.1974	1.1837	1.2152	1.1968	-----	1.27	9.64	1.00	1.00	12		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Carbazole	1	0	Avg	1.2313	1.5449	1.1930	1.2394	1.1586	1.1643	1.1910	1.1825	-----	1.24	9.81	1.00	1.00	10		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-butylphthalate	1	0	Avg	1.6220	1.9770	1.5705	1.5742	1.5562	1.5345	1.5739	1.5838	-----	1.62	10.19	1.00	1.00	8.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Fluoranthene	1	0	Avg	1.2799	1.5049	1.2236	1.2456	1.2215	1.2145	1.2478	1.2491	-----	1.27	10.91	1.00	1.00	7.5	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Pyrene	1	0	Avg	1.6833	1.9908	1.6282	1.6513	1.6193	1.6031	1.6864	1.7162	-----	1.70	11.18	0.999	1.00	7.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzidine	1	0	Qua	0.6243	0.5546	0.5847	0.6548	0.5451	0.3844	0.3019	-----	-----	0.521	11.06	0.908	0.996	25		50.00	2.00	10.00	20.00	80.00	120.0	160.0		
Terphenyl-d14	1	0	Avg	1.0468	1.2896	1.0328	1.0161	1.0046	0.9995	1.0607	1.1020	-----	1.07	11.36	0.997	0.999	8.9		25.00	1.00	5.00	10.00	40.00	60.00	80.00	96.00	
p,p'-DDE	1	0	Avg	0.3208	0.3340	0.3170	0.3097	0.3029	0.3091	0.3219	0.3319	-----	0.318	11.30	0.998	1.00	3.5		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin	1	0	Avg	0.1197	0.1470	0.1118	0.1160	0.1137	0.1136	0.1216	0.1224	-----	0.121	11.62	0.998	0.999	9.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDD	1	0	Avg	0.5627	0.6631	0.5280	0.5703	0.5606	0.5581	0.5770	0.5851	-----	0.576	11.70	0.999	1.00	6.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags

a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.38

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8270C

Form 6
Initial Calibration

Instrument: GCMS_9

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	9M22189.	CAL BNA@50PPM	12/17/09 10:22	2	9M22196.	CAL BNA@2PPM	12/17/09 13:02
3	9M22197.	CAL BNA@10PPM	12/17/09 13:27	4	9M22194.	CAL BNA@20PPM	12/17/09 12:16
5	9M22193.	CAL BNA@80PPM	12/17/09 11:53	6	9M22192.	CAL BNA@120PPM	12/17/09 11:31
7	9M22191.	CAL BNA@160PPM	12/17/09 11:08	8	9M22190.	CAL BNA@196PPM	12/17/09 10:45

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Butylbenzylphthalate	1	0	Avg	0.9071	1.0948	0.8697	0.8821	0.8952	0.9024	0.9327	0.9461	-----	0.929	11.95	0.999	1.00	7.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin aldehyde	1	0	Avg	0.0415	-----	0.0469	0.0381	0.0405	0.0408	0.0415	0.0444	-----	0.0420	11.62	0.996	0.999	6.9		50.00		10.00	20.00	80.00	120.0	160.0	196.0	
p,p'-DDT	1	0	Avg	0.5045	0.5409	0.4772	0.4936	0.4930	0.4928	0.5103	0.5193	-----	0.504	12.05	0.999	1.00	3.9		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Endrin ketone	1	0	Avg	0.0581	0.0518	0.0628	0.0602	0.0599	0.0577	0.0595	0.0590	-----	0.0587	12.54	1.00	1.00	5.4		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
3,3'-Dichlorobenzidine	1	0	Qua	0.4333	0.4970	0.4293	0.4444	0.4207	0.3635	0.3453	0.3489	-----	0.410	12.57	0.990	0.998	13		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]anthracene	1	0	Avg	1.4456	1.7295	1.3870	1.3963	1.3818	1.4038	1.4133	1.4282	-----	1.45	12.60	1.00	1.00	8.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Chrysene	1	0	Avg	1.3679	1.5893	1.3551	1.3201	1.3188	1.2992	1.3200	1.3126	-----	1.36	12.64	1.00	1.00	7.0		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
bis(2-Ethylhexyl)phthal	1	0	Avg	1.3238	1.5839	1.2808	1.3012	1.2700	1.2577	1.2642	1.2739	-----	1.32	12.65	1.00	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Di-n-octylphthalate	1	0	Avg	2.1959	2.3835	2.0766	2.0925	2.1454	2.1425	2.2489	2.3087	-----	2.20	13.40	0.998	1.00	4.9	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[b]fluoranthene	1	0	Avg	1.3216	1.4573	1.3039	1.2832	1.2581	1.3124	1.3734	1.3225	-----	1.33	13.81	0.999	0.999	4.6		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[k]fluoranthene	1	0	Avg	1.2339	1.4959	1.2316	1.1850	1.2348	1.1570	1.1576	1.2199	-----	1.24	13.85	0.998	0.998	8.8		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[a]pyrene	1	0	Avg	1.2202	1.4647	1.1785	1.1943	1.1929	1.1898	1.2233	1.2140	-----	1.23	14.16	1.00	1.00	7.6	*(30)	50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Indeno[1,2,3-cd]pyrene	1	0	Avg	1.2146	1.5013	1.1828	1.1928	1.2247	1.2198	1.2113	1.2304	-----	1.25	15.48	1.00	1.00	8.3		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Dibenzo[a,h]anthracene	1	0	Avg	1.0185	1.1602	0.9919	0.9692	1.0117	1.0030	0.9990	1.0150	-----	1.02	15.50	1.00	1.00	5.7		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	
Benzo[g,h,i]perylene	1	0	Avg	0.9995	1.3089	0.9783	0.9523	1.0090	0.9940	0.9996	1.0163	-----	1.03	15.85	1.00	1.00	11		50.00	2.00	10.00	20.00	80.00	120.0	160.0	196.0	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 9.38
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22189.D Sam Mult : 1 Vial# : 2 Qt On : 12/17/09 12:16
Acq On : 12/17/09 10:22 Misc : A,BNA Qt Upd On: 12/14/09 15:36

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.684	152	34786	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	141169	40.00	ng	0.00
41) Acenaphthene-d10	8.106	164	79115	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	129086	40.00	ng	0.00
81) Chrysene-d12	12.610	240	104227	40.00	ng	0.00
96) Perylene-d12	14.220	264	106340	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.469	112	53429	52.27	ng	0.00
Spiked Amount 100.000			Recovery = 52.27%			
9) Phenol-d5	5.368	99	75486	48.90	ng	0.00
Spiked Amount 100.000			Recovery = 48.90%			
24) Nitrobenzene-d5	6.133	128	14585	24.57	ng	0.00
Spiked Amount 50.000			Recovery = 49.14%			
46) 2-Fluorobiphenyl	7.523	172	68130	26.52	ng	0.00
Spiked Amount 50.000			Recovery = 53.04%			
70) 2,4,6-Tribromophenol	8.839	330	13014	64.92	ng	0.00
Spiked Amount 100.000			Recovery = 64.92%			
84) Terphenyl-d14	11.364	244	68195	24.00	ng	0.00
Spiked Amount 50.000			Recovery = 48.00%			
Target Compounds						Qvalue
2) Pyridine	2.817	79	58883	63.18	ng	84
3) N-Nitrosodimethylamine	2.747	74	35791	62.21	ng	94
5) Benzaldehyde	5.304	77	50540	49.32	ng	77
6) Aniline	5.400	93	91843	59.86	ng	92
7) Pentachloroethane	5.437	117	26448	52.35	ng	80
8) bis(2-Chloroethyl)ether	5.459	93	59779	51.78	ng	87
10) Phenol	5.384	94	85120	51.77	ng	91
11) 2-Chlorophenol	5.502	128	62714	49.09	ng	81
12) N-Decane	5.550	57	73733	71.29	ng	85
13) 1,3-Dichlorobenzene	5.630	146	64987	51.14	ng	99
14) 1,4-Dichlorobenzene	5.694	146	66938	49.90	ng	97
15) 1,2-Dichlorobenzene	5.817	146	63204	49.28	ng	98
16) Benzyl alcohol	5.796	108	42413	52.14	ng	80
17) bis(2-chloroisopropyl)...	5.908	45	93291	61.02	ng	83
18) 2-Methylphenol	5.892	108	57368	49.48	ng	95
19) Acetophenone	6.010	105	101985	46.49	ng	84
20) Hexachloroethane	6.095	117	26760	49.30	ng	93
21) N-Nitroso-di-n-propyla...	6.010	70	50525	52.67	ng	92
22) 3&4-Methylphenol	6.015	108	60722	46.44	ng	94
25) Nitrobenzene	6.149	77	67834	57.48	ng	80
26) Isophorone	6.336	82	129092	53.66	ng	87
27) 2-Nitrophenol	6.400	139	32881	51.51	ng	87
28) 2,4-Dimethylphenol	6.427	107	66235	51.83	ng	96
29) Benzoic Acid	6.502	105	39376m	54.42	ng	
30) bis(2-Chloroethoxy)met...	6.502	93	74485	53.57	ng	96
31) 2,4-Dichlorophenol	6.582	162	50133	48.69	ng	90
32) 1,2,4-Trichlorobenzene	6.646	180	54471	48.26	ng	93
33) Naphthalene	6.710	128	183968	49.93	ng	98
34) 4-Chloroaniline	6.743	127	73300	59.62	ng	97
35) Hexachlorobutadiene	6.796	225	26373	45.18	ng	96
36) Caprolactam	7.021	113	23895	44.28	ng	77
37) 4-Chloro-3-methylphenol	7.106	107	58216	49.87	ng	85
38) 2-Methylnaphthalene	7.235	142	127952	48.89	ng	99
39) Methylnaphthalenes (To...	7.235	142	127952	48.89	ng	99
40) 1,1'-Biphenyl	7.604	154	183625	47.66	ng	97
42) 1,2,4,5-Tetrachloroben...	7.368	216	61208	50.95	ng	98
43) Hexachlorocyclopentadiene	7.358	237	19728	54.74	ng	92
44) 2,4,6-Trichlorophenol	7.454	196	31949	47.79	ng	100
45) 2,4,5-Trichlorophenol	7.486	196	36457	48.75	ng	93
47) 2-Chloronaphthalene	7.630	162	113593	50.15	ng	95
48) 1,4-Dimethylnaphthalene	7.909	156	124650	50.60	ng	91
49) Dimethylnaphthalenes (...	7.909	156	124650	50.60	ng	91
50) Diphenyl Ether	7.689	170	93165	50.34	ng	87
51) 2-Nitroaniline	7.705	65	52140	63.10	ng	75
52) Acenaphthylene	7.983	152	195836	50.97	ng	100
53) Dimethylphthalate	7.850	163	137050	48.13	ng	98
54) 2,6-Dinitrotoluene	7.909	165	30432	48.16	ng	80
55) Acenaphthene	8.133	153	122745	50.10	ng	94
56) 3-Nitroaniline	8.058	138	33984	54.94	ng	81
57) 2,4-Dinitrophenol	8.149	184	14323	52.54	ng	87
58) Dibenzofuran	8.288	168	165461	48.78	ng	90
59) 2,4-Dinitrotoluene	8.267	165	43006	49.35	ng	65

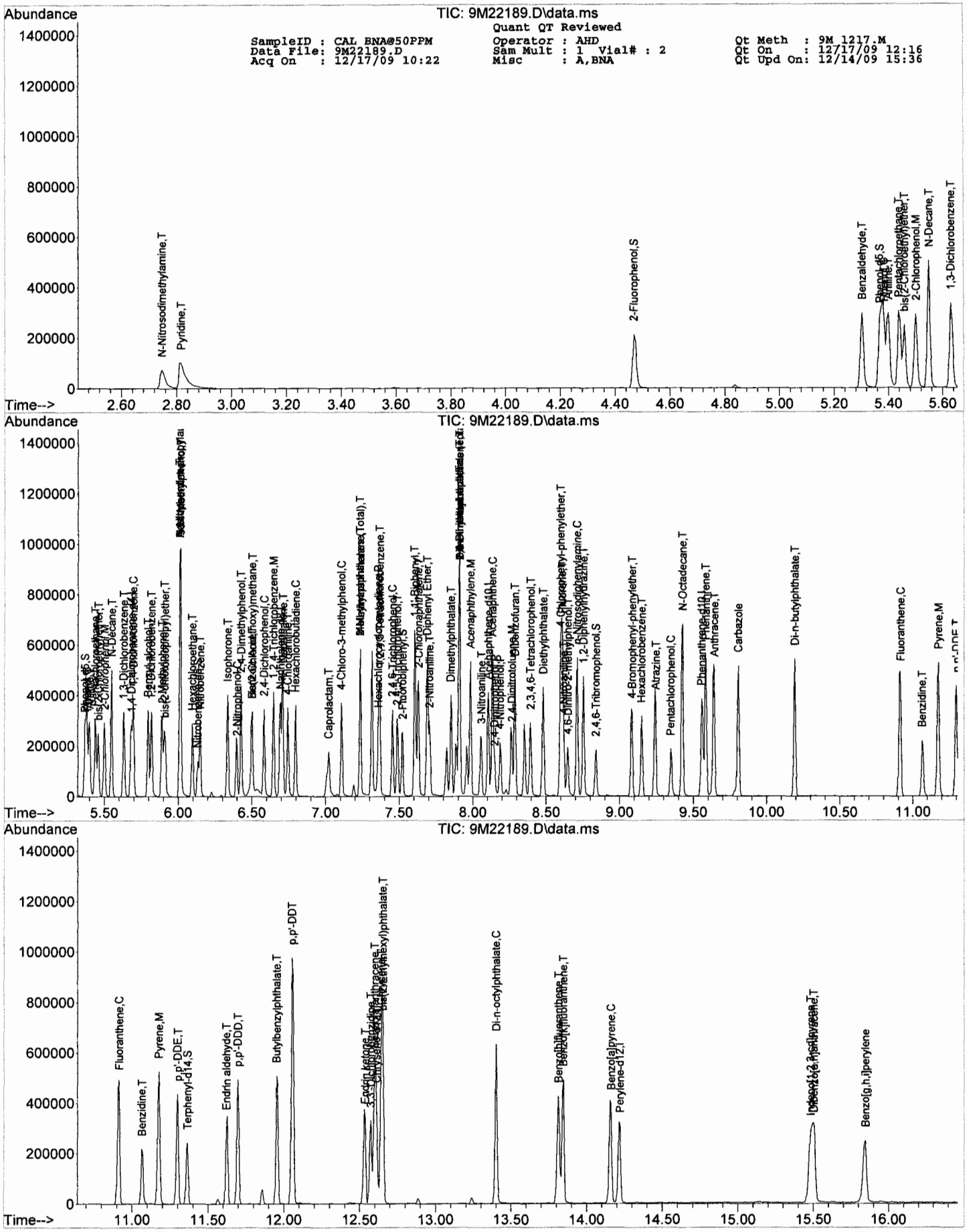
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22189.D Sam Mult : 1 Vial# : 2 Qt On : 12/17/09 12:16
Acq On : 12/17/09 10:22 Misc : A,BNA Qt Upd On: 12/14/09 15:36

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.187	65	27853	61.29	ng	87
61)	2,3,4,6-Tetrachlorophenol	8.395	232	26296	40.47	ng	92
62)	Fluorene	8.609	166	138280	47.87	ng	99
63)	4-Chlorophenyl-phenyle...	8.599	204	60498	45.97	ng	98
64)	Diethylphthalate	8.481	149	146032	47.14	ng	99
65)	4-Nitroaniline	8.620	138	37409	47.62	ng	85
66)	Atrazine	9.246	200	43560	43.69	ng	99
68)	4,6-Dinitro-2-methylph...	8.647	198	20942	51.71	ng	49
69)	n-Nitrosodiphenylamine	8.711	169	118872	53.56	ng	98
71)	1,2-Diphenylhydrazine	8.754	77	156996	61.98	ng	88
72)	4-Bromophenyl-phenylether	9.085	248	31469	48.93	ng	93
73)	Hexachlorobenzene	9.149	284	30246	50.62	ng	90
74)	N-Octadecane	9.428	57	111350	74.24	ng	84
75)	Pentachlorophenol	9.347	266	16746	54.40	ng	99
76)	Phenanthrene	9.583	178	193924	49.35	ng	100
77)	Anthracene	9.642	178	202590	51.13	ng	99
78)	Carbazole	9.807	167	198681	49.51	ng	99
79)	Di-n-butylphthalate	10.192	149	261728	51.09	ng	97
80)	Fluoranthene	10.914	202	206531	46.20	ng	91
82)	Pyrene	11.177	202	219315	53.34	ng	92
83)	Benzidine	11.064	184	81339	59.16	ng	89
85)	p,p'-DDE	11.300	246	41807	49.21	ng	94
86)	Endrin	11.621	81	15607	62.85	ng	85
87)	p,p'-DDD	11.695	235	73312	48.22	ng	83
88)	Butylbenzylphthalate	11.952	149	118186	54.45	ng	84
89)	Endrin aldehyde	11.621	67	5417	72.18	ng	66
90)	p,p'-DDT	12.054	235	65736	51.15	ng	90
91)	Endrin ketone	12.535	317	7573	57.50	ng	94
92)	3,3'-Dichlorobenzidine	12.573	252	56461	55.88	ng	97
93)	Benzo[a]anthracene	12.599	228	188340	46.97	ng	98
94)	Chrysene	12.642	228	178215	47.93	ng	97
95)	bis(2-Ethylhexyl)phtha...	12.653	149	172477	55.70	ng	97
97)	Di-n-octylphthalate	13.402	149	291896	57.23	ng	100
98)	Benzo[b]fluoranthene	13.813	252	175676	48.53	ng	97
99)	Benzo[k]fluoranthene	13.846	252	164019	48.78	ng	96
100)	Benzo[a]pyrene	14.161	252	162196	48.09	ng	95
101)	Indeno[1,2,3-cd]pyrene	15.482	276	161459	44.99	ng	100
102)	Dibenzo[a,h]anthracene	15.504	278	135385	47.25	ng	98
103)	Benzo[g,h,i]perylene	15.846	276	132863	44.48	ng	97

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


Abundance
TIC: 9M22189.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M22189.D
Acq On : 12/17/09 10:22
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:16
Qt Upd On: 12/14/09 15:36
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M22189.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2,4-Dichlorophenol,C
Hexachlorocyclopentadiene,C
Acenaphthylene,M
3-Nitroaniline,T
Dimethylphthalate,T
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
2,4-Dinitrotoluene,M
2-Nitroaniline,T
Carbazole
Di-n-butylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Anthracene,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->

Abundance
TIC: 9M22189.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22196.D Sam Mult : 1 Vial# : 9 Qt On : 12/17/09 13:20
Acq On : 12/17/09 13:02 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.678	152	33445	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	136210	40.00	ng	0.00
41) Acenaphthene-d10	8.101	164	77590	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	131873	40.00	ng	0.00
81) Chrysene-d12	12.605	240	110296	40.00	ng	0.00
96) Perylene-d12	14.215	264	115041	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	2144	2.18	ng	0.00
Spiked Amount 100.000			Recovery = 2.18%			
9) Phenol-d5	5.368	99	2976	2.01	ng	0.00
Spiked Amount 100.000			Recovery = 2.01%			
24) Nitrobenzene-d5	6.133	128	735	1.28	ng	0.00
Spiked Amount 50.000			Recovery = 2.56%			
46) 2-Fluorobiphenyl	7.518	172	3392	1.35	ng	0.00
Spiked Amount 50.000			Recovery = 2.70%			
70) 2,4,6-Tribromophenol	8.839	330	471	2.30	ng	0.00
Spiked Amount 100.000			Recovery = 2.30%			
84) Terphenyl-d14	11.358	244	3556	1.18	ng	0.00
Spiked Amount 50.000			Recovery = 2.36%			
Target Compounds						Qvalue
2) Pyridine	2.881	79	2132m	2.38	ng	
3) N-Nitrosodimethylamine	2.785	74	1109	2.09	ng	69
5) Benzaldehyde	5.304	77	2461	2.50	ng	84
6) Aniline	5.400	93	3592	2.70	ng	81
7) Pentachloroethane	5.437	117	1217	2.51	ng	78
8) bis(2-Chloroethyl)ether	5.459	93	2755	2.48	ng	79
10) Phenol	5.379	94	3832	2.42	ng	95
11) 2-Chlorophenol	5.502	128	2614	2.13	ng	84
12) N-Decane	5.544	57	3432	3.45	ng	94
13) 1,3-Dichlorobenzene	5.630	146	2846	2.33	ng	97
14) 1,4-Dichlorobenzene	5.694	146	3427	2.66	ng	100
15) 1,2-Dichlorobenzene	5.817	146	2835	2.30	ng	94
16) Benzyl alcohol	5.796	108	1488	1.90	ng	79
17) bis(2-chloroisopropyl)...	5.903	45	4440	3.02	ng	95
18) 2-Methylphenol	5.887	108	2336	2.10	ng	88
19) Acetophenone	6.010	105	4838	2.29	ng	70
20) Hexachloroethane	6.095	117	1183	2.27	ng	73
21) N-Nitroso-di-n-propyla...	6.010	70	2452	2.66	ng	93
22) 3&4-Methylphenol	6.015	108	2637	2.10	ng	85
25) Nitrobenzene	6.143	77	3325	2.92	ng	92
26) Isophorone	6.331	82	6553	2.82	ng	84
27) 2-Nitrophenol	6.395	139	1340	2.18	ng	91
28) 2,4-Dimethylphenol	6.427	107	3098	2.51	ng	87
29) Benzoic Acid	6.475	105	1140	1.92	ng	78
30) bis(2-Chloroethoxy)met...	6.497	93	3518	2.62	ng	94
31) 2,4-Dichlorophenol	6.582	162	2320	2.34	ng	85
32) 1,2,4-Trichlorobenzene	6.646	180	2694	2.47	ng	98
33) Naphthalene	6.705	128	9033	2.54	ng	98
34) 4-Chloroaniline	6.743	127	2912	2.29	ng	85
35) Hexachlorobutadiene	6.796	225	1354	2.40	ng	93
36) Caprolactam	6.989	113	992	1.91	ng	73
37) 4-Chloro-3-methylphenol	7.101	107	2486	2.21	ng	58
38) 2-Methylnaphthalene	7.235	142	6308	2.50	ng	89
39) Methylnaphthalenes (To...	7.235	142	6308	2.50	ng	89
40) 1,1'-Biphenyl	7.604	154	8415	2.26	ng	86
42) 1,2,4,5-Tetrachloroben...	7.363	216	2853	2.42	ng	89
43) Hexachlorocyclopentadiene	7.352	237	311	1.02	ng	85
44) 2,4,6-Trichlorophenol	7.454	196	1543	2.35	ng	92
45) 2,4,5-Trichlorophenol	7.481	196	1629	2.22	ng	79
47) 2-Chloronaphthalene	7.625	162	5721	2.58	ng	92
48) 1,4-Dimethylnaphthalene	7.903	156	6340	2.62	ng	94
49) Dimethylnaphthalenes (...	7.903	156	6340	2.62	ng	94
50) Diphenyl Ether	7.689	170	4628	2.55	ng	91
51) 2-Nitroaniline	7.700	65	2267	2.80	ng	38
52) Acenaphthylene	7.978	152	10076	2.67	ng	98
53) Dimethylphthalate	7.844	163	6386	2.29	ng	90
54) 2,6-Dinitrotoluene	7.903	165	1510	2.44	ng	58
55) Acenaphthene	8.128	153	6406	2.67	ng	86
56) 3-Nitroaniline	8.053	138	1271	2.10	ng	77
57) 2,4-Dinitrophenol	8.160	184	65	0.28	ng	56
58) Dibenzofuran	8.283	168	8432	2.53	ng	94
59) 2,4-Dinitrotoluene	8.256	165	1955	2.29	ng	68

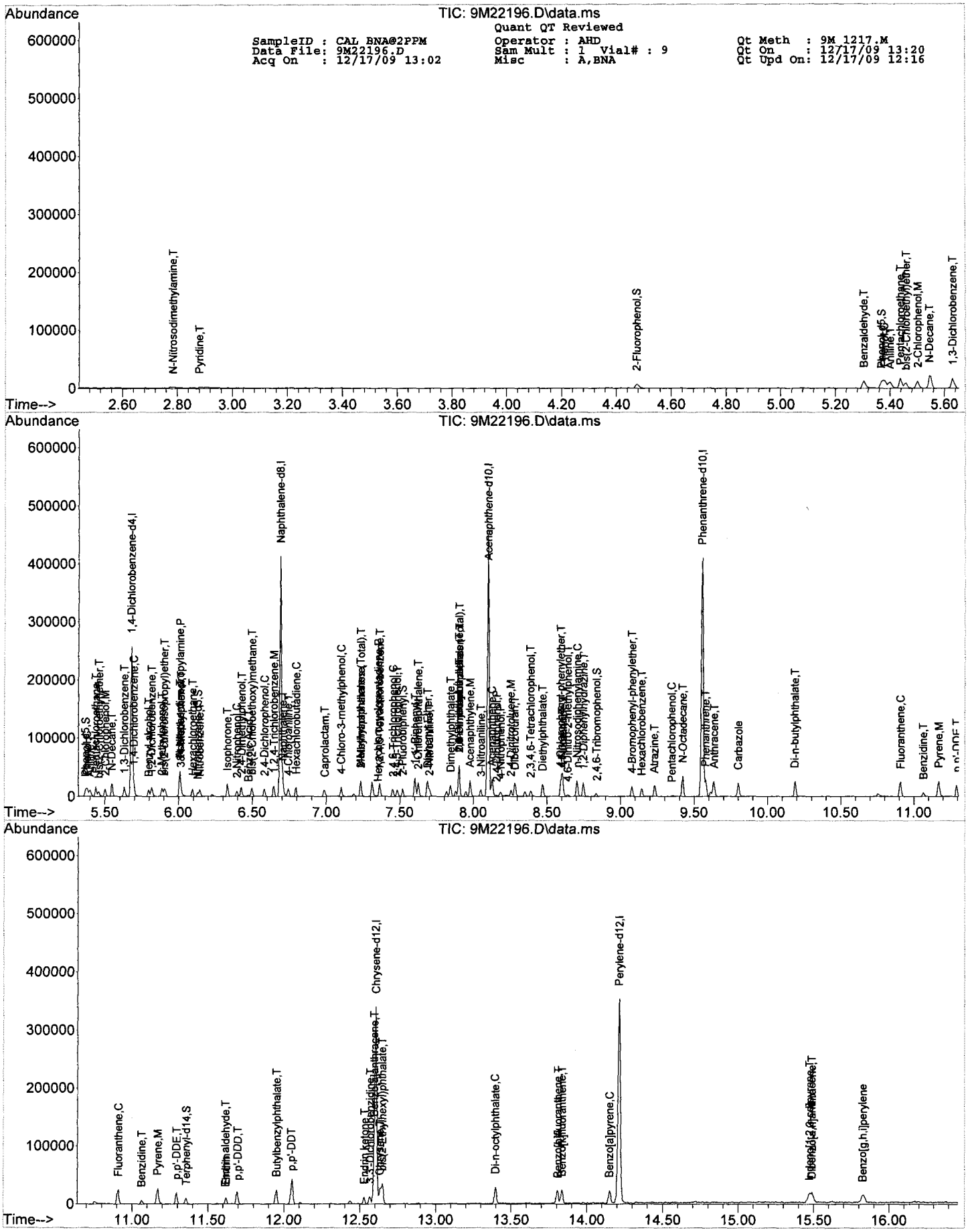
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@2PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22196.D Sam Mult : 1 Vial# : 9 Qt On : 12/17/09 13:20
Acq On : 12/17/09 13:02 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.187	65	1073	2.41	ng	100
61)	2,3,4,6-Tetrachlorophenol	8.390	232	1199	1.88	ng	86
62)	Fluorene	8.604	166	6751	2.38	ng	94
63)	4-Chlorophenyl-phenyle...	8.593	204	3179	2.46	ng	79
64)	Diethylphthalate	8.470	149	7612	2.51	ng	93
65)	4-Nitroaniline	8.609	138	1600	2.08	ng	88
66)	Atrazine	9.230	200	2138	2.19	ng	95
68)	4,6-Dinitro-2-methylph...	8.641	198	464	1.20	ng	23
69)	n-Nitrosodiphenylamine	8.705	169	6033	2.66	ng	95
71)	1,2-Diphenylhydrazine	8.748	77	7968	3.08	ng	75
72)	4-Bromophenyl-phenylether	9.080	248	1293	1.97	ng	79
73)	Hexachlorobenzene	9.144	284	1433	2.35	ng	95
74)	N-Octadecane	9.422	57	4920	3.21	ng	81
75)	Pentachlorophenol	9.347	266	362	1.32	ng	93
76)	Phenanthrene	9.577	178	9625	2.40	ng	95
77)	Anthracene	9.636	178	10897	2.69	ng	96
78)	Carbazole	9.802	167	10187	2.48	ng	94
79)	Di-n-butylphthalate	10.187	149	13036	2.49	ng	97
80)	Fluoranthene	10.909	202	9923	2.17	ng	96
82)	Pyrene	11.171	202	10979	2.52	ng	93
83)	Benzidine	11.064	184	3059	2.10	ng	89
85)	p,p'-DDE	11.294	246	1842	2.05	ng	98
86)	Endrin	11.620	81	811	3.09	ng	66
87)	p,p'-DDD	11.695	235	3657	2.27	ng	81
88)	Butylbenzylphthalate	11.952	149	6038	2.63	ng	85
89)	Endrin aldehyde	11.615	67	336m	4.23	ng	
90)	p,p'-DDT	12.048	235	2983	2.19	ng	80
91)	Endrin ketone	12.530	317	286m	2.05	ng	
92)	3,3'-Dichlorobenzidine	12.567	252	2741	2.41	ng	97
93)	Benzo[a]anthracene	12.594	228	9538	2.25	ng	95
94)	Chrysene	12.631	228	8765	2.23	ng	97
95)	bis(2-Ethylhexyl)phtha...	12.647	149	8735	2.67	ng	96
97)	Di-n-octylphthalate	13.396	149	13710	2.48	ng	100
98)	Benzo[b]fluoranthene	13.808	252	8383	2.14	ng	90
99)	Benzo[k]fluoranthene	13.835	252	8605	2.37	ng	96
100)	Benzo[a]pyrene	14.150	252	8425	2.31	ng	97
101)	Indeno[1,2,3-cd]pyrene	15.472	276	8636	2.22	ng	89
102)	Dibenzo[a,h]anthracene	15.488	278	6674	2.15	ng	74
103)	Benzo[g,h,i]perylene	15.825	276	7529	2.33	ng	94

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


Abundance
TIC: 9M22196.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@2PPM
Data File: 9M22196.D
Acq On : 12/17/09 13:02
Operator : AHD
Sam Mult : 1 Vial# : 9
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 13:20
Qt Upd On: 12/17/09 12:16
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Naphthalene-d8,I
Acenaphthene-d10,I
Phenanthrene-d10,I
Chrysene-d12,I
Perylene-d12,I
Fluoranthene,C
Benzidine,T
Pyrene,M
Butylbenzylphthalate,T
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22197.D Sam Mult : 1 Vial# : 8 Qt On : 12/17/09 13:44
Acq On : 12/17/09 13:27 Misc : A,BNA Qt Upd On: 12/17/09 13:36

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.683	152	36721	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	150571	40.00	ng	0.00
41) Acenaphthene-d10	8.101	164	84174	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	138312	40.00	ng	0.00
81) Chrysene-d12	12.605	240	113375	40.00	ng	0.00
96) Perylene-d12	14.214	264	113595	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.469	112	9531	8.06	ng	0.00
Spiked Amount 100.000			Recovery =	8.06%		
9) Phenol-d5	5.368	99	14890	8.97	ng	0.00
Spiked Amount 100.000			Recovery =	8.97%		
24) Nitrobenzene-d5	6.133	128	3061	4.43	ng	0.00
Spiked Amount 50.000			Recovery =	8.86%		
46) 2-Fluorobiphenyl	7.518	172	14346	4.76	ng	0.00
Spiked Amount 50.000			Recovery =	9.52%		
70) 2,4,6-Tribromophenol	8.834	330	2571	9.47	ng	0.00
Spiked Amount 100.000			Recovery =	9.47%		
84) Terphenyl-d14	11.358	244	14637	4.68	ng	0.00
Spiked Amount 50.000			Recovery =	9.36%		
Target Compounds						Qvalue
2) Pyridine	2.843	79	10025	7.81	ng	71
3) N-Nitrosodimethylamine	2.758	74	6602	8.34	ng	75
5) Benzaldehyde	5.304	77	11747	8.81	ng	81
6) Aniline	5.395	93	18115	9.36	ng	90
7) Pentachloroethane	5.437	117	5850	9.79	ng	86
8) bis(2-Chloroethyl)ether	5.459	93	11876	9.19	ng	83
10) Phenol	5.379	94	16423	8.98	ng	92
11) 2-Chlorophenol	5.496	128	12664	9.33	ng	80
12) N-Decane	5.550	57	15262	9.32	ng	81
13) 1,3-Dichlorobenzene	5.630	146	13782	9.69	ng	98
14) 1,4-Dichlorobenzene	5.694	146	13809	9.18	ng	99
15) 1,2-Dichlorobenzene	5.817	146	13031	9.35	ng	99
16) Benzyl alcohol	5.796	108	8225	9.37	ng	77
17) bis(2-chloroisopropyl)...	5.908	45	19706	9.56	ng	81
18) 2-Methylphenol	5.887	108	11191	9.12	ng	96
19) Acetophenone	6.010	105	21251	9.48	ng	85
20) Hexachloroethane	6.095	117	5749	9.76	ng	92
21) N-Nitroso-di-n-propyla...	6.010	70	10325	9.21	ng	95
22) 3&4-Methylphenol	6.010	108	12441	9.48	ng	90
25) Nitrobenzene	6.143	77	14027	9.09	ng	83
26) Isophorone	6.331	82	27137	9.17	ng	91
27) 2-Nitrophenol	6.395	139	6596	8.90	ng	90
28) 2,4-Dimethylphenol	6.427	107	12936	8.72	ng	95
29) Benzoic Acid	6.480	105	4061m	5.06	ng	
30) bis(2-Chloroethoxy)met...	6.496	93	16334	9.68	ng	98
31) 2,4-Dichlorophenol	6.582	162	10056	8.86	ng	92
32) 1,2,4-Trichlorobenzene	6.646	180	11907	9.52	ng	96
33) Naphthalene	6.705	128	40164	9.62	ng	98
34) 4-Chloroaniline	6.742	127	14236	9.56	ng	96
35) Hexachlorobutadiene	6.796	225	6061	10.01	ng	84
36) Caprolactam	6.994	113	4360	8.31	ng	70
37) 4-Chloro-3-methylphenol	7.101	107	11694	9.21	ng	84
38) 2-Methylnaphthalene	7.234	142	27296	9.53	ng	99
39) Methylnaphthalenes (To...	7.234	142	27296	9.53	ng	99
40) 1,1'-Biphenyl	7.604	154	39565	9.71	ng	94
42) 1,2,4,5-Tetrachloroben...	7.363	216	12932	9.51	ng	97
43) Hexachlorocyclopentadiene	7.358	237	2671	6.01	ng	98
44) 2,4,6-Trichlorophenol	7.454	196	6662	9.07	ng	99
45) 2,4,5-Trichlorophenol	7.481	196	7443	9.25	ng	86
47) 2-Chloronaphthalene	7.625	162	25444	9.87	ng	95
48) 1,4-Dimethylnaphthalene	7.903	156	27298	9.79	ng	87
49) Dimethylnaphthalenes (...	7.903	156	27298	9.79	ng	87
50) Diphenyl Ether	7.689	170	20267	9.55	ng	79
51) 2-Nitroaniline	7.700	65	10515	9.17	ng	78
52) Acenaphthylene	7.978	152	41635	9.45	ng	99
53) Dimethylphthalate	7.844	163	29415	9.70	ng	99
54) 2,6-Dinitrotoluene	7.903	165	6131	8.96	ng	84
55) Acenaphthene	8.133	153	25669	9.22	ng	95
56) 3-Nitroaniline	8.053	138	7070	10.13	ng	85
57) 2,4-Dinitrophenol	8.149	184	1419	5.27	ng	64
58) Dibenzofuran	8.283	168	34791	9.38	ng	94
59) 2,4-Dinitrotoluene	8.256	165	7908	8.50	ng	93

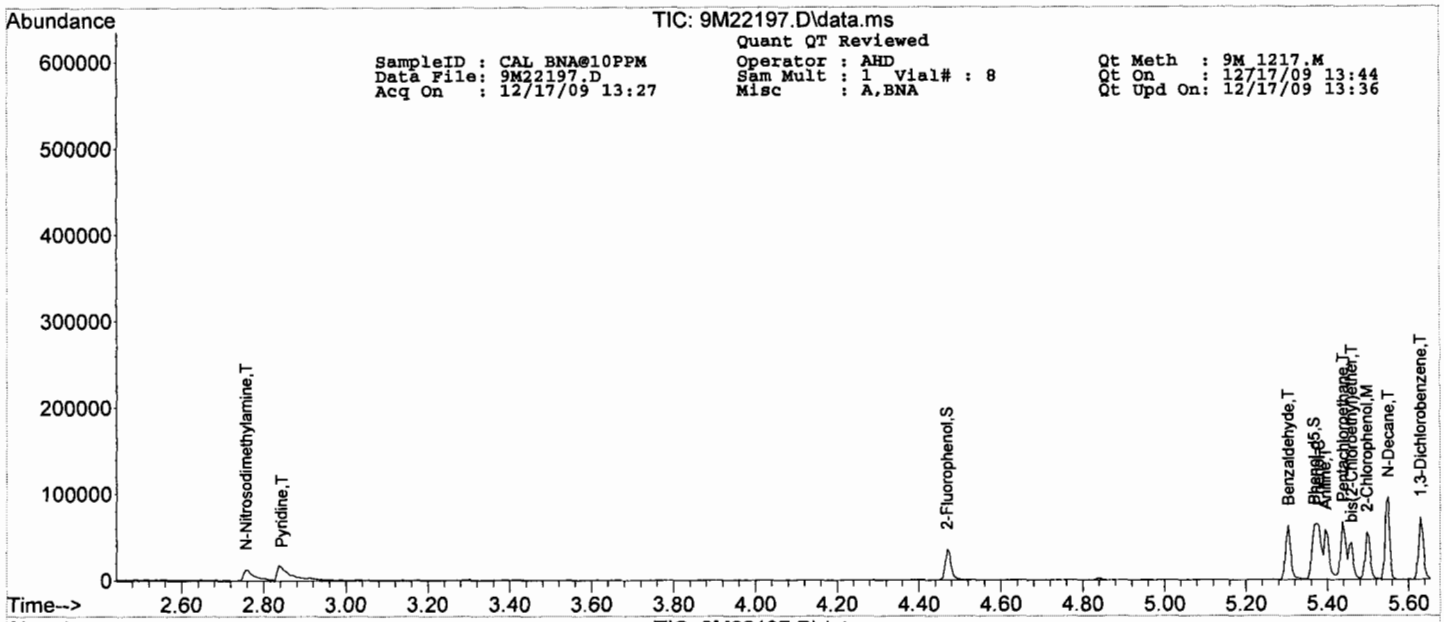
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@10PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22197.D Sam Mult : 1 Vial# : 8 Qt On : 12/17/09 13:44
Acq On : 12/17/09 13:27 Misc : A,BNA Qt Upd On: 12/17/09 13:36

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	8.181	65	5682	9.61	ng	99
61) 2,3,4,6-Tetrachlorophenol	8.395	232	4963	8.16	ng	95
62) Fluorene	8.604	166	28975	9.43	ng	99
63) 4-Chlorophenyl-phenyle...	8.598	204	12600	9.37	ng	93
64) Diethylphthalate	8.475	149	32532	9.84	ng	99
65) 4-Nitroaniline	8.609	138	7992	9.77	ng	75
66) Atrazine	9.235	200	9475	9.92	ng	98
68) 4,6-Dinitro-2-methylph...	8.641	198	2988	7.05	ng	38
69) n-Nitrosodiphenylamine	8.705	169	24416	9.21	ng	93
71) 1,2-Diphenylhydrazine	8.748	77	33789	9.57	ng	88
72) 4-Bromophenyl-phenylether	9.080	248	6968	10.19	ng	91
73) Hexachlorobenzene	9.149	284	6678	9.92	ng	77
74) N-Octadecane	9.422	57	22793	9.32	ng	83
75) Pentachlorophenol	9.347	266	2029	6.32	ng	85
76) Phenanthrene	9.583	178	41467	9.47	ng	99
77) Anthracene	9.636	178	42200	9.27	ng	98
78) Carbazole	9.802	167	41253	9.36	ng	99
79) Di-n-butylphthalate	10.192	149	54305	9.38	ng	95
80) Fluoranthene	10.909	202	42311	9.32	ng	93
82) Pyrene	11.171	202	46151	9.28	ng	93
83) Benzidine	11.064	184	16575	8.14	ng	92
85) p,p'-DDE	11.299	246	8985	9.68	ng	91
86) Endrin	11.620	81	3169	8.92	ng	88
87) p,p'-DDD	11.695	235	14968	8.86	ng	81
88) Butylbenzylphthalate	11.952	149	24651	9.09	ng	84
89) Endrin aldehyde	11.620	67	1332	11.13	ng	55
90) p,p'-DDT	12.054	235	13528	9.19	ng	90
91) Endrin ketone	12.535	317	1781	10.53	ng	97
92) 3,3'-Dichlorobenzidine	12.567	252	12170	9.12	ng	98
93) Benzo[a]anthracene	12.594	228	39313	9.31	ng	100
94) Chrysene	12.637	228	38409	9.66	ng	97
95) bis(2-Ethylhexyl)phtha...	12.653	149	36303	9.38	ng	96
97) Di-n-octylphthalate	13.401	149	58973	9.16	ng	96
98) Benzo[b]fluoranthene	13.808	252	37030	9.47	ng	97
99) Benzo[k]fluoranthene	13.835	252	34977	9.70	ng	97
100) Benzo[a]pyrene	14.156	252	33468	9.24	ng	95
101) Indeno[1,2,3-cd]pyrene	15.477	276	33592	9.21	ng	88
102) Dibenzo[a,h]anthracene	15.493	278	28169	9.45	ng	97
103) Benzo[g,h,i]perylene	15.835	276	27785	9.21	ng	96

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


Abundance
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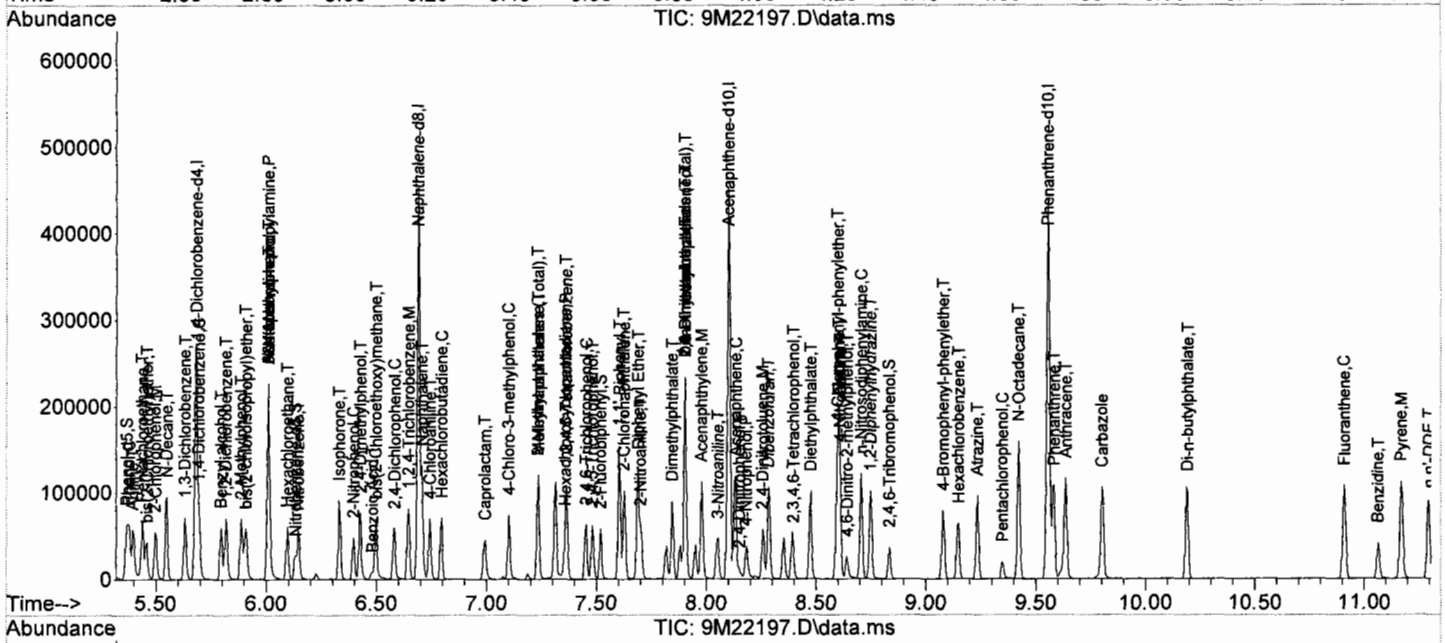
Quant QT Reviewed
SampleID : CAL BNA@10PPM
Data File: 9M22197.D
Acq On : 12/17/09 13:27
Operator : AHD
Sam Mult : 1 Vial# : 8
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 13:44
Qt Upd On: 12/17/09 13:36
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->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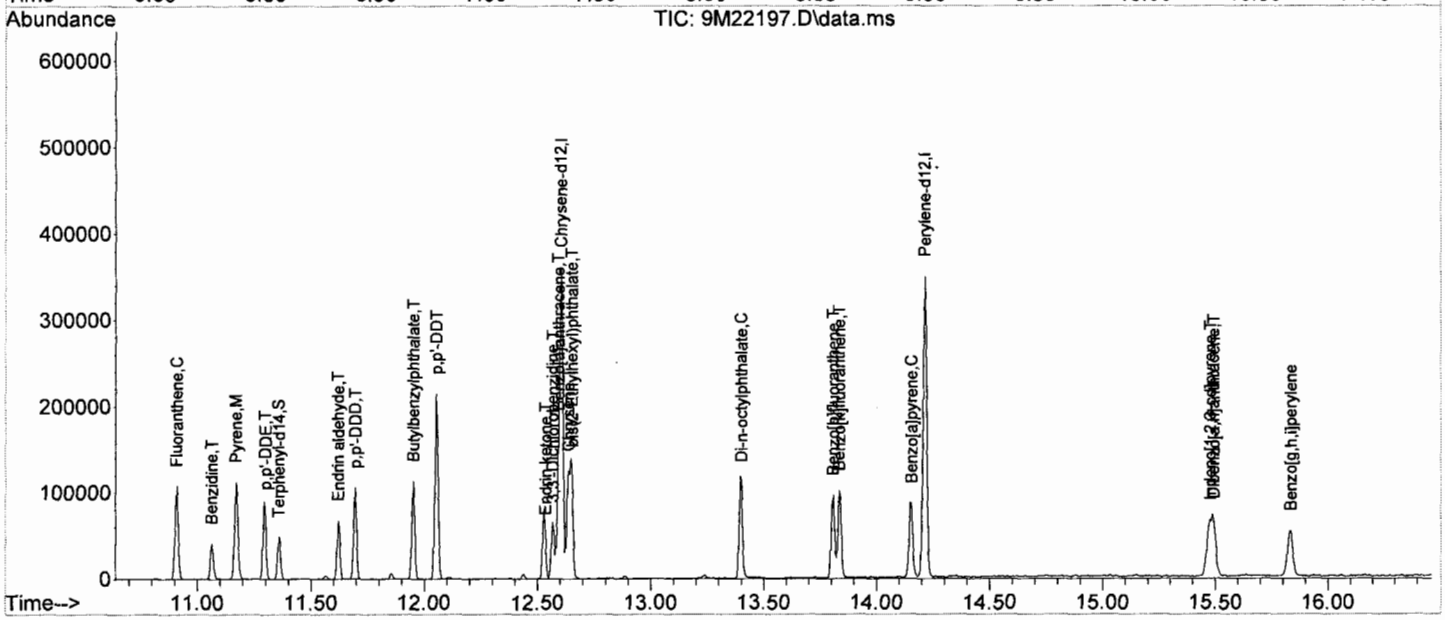
TIC: 9M22197.D\data.ms
Time-->


Abundance
TIC: 9M22197.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Chrysene-d12,I
Di-n-octylphthalate,C
Perylene-d12,I
Benzo(a)pyrene,C
Benzo(g,h,i)perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22194.D Sam Mult : 1 Vial# : 7 Qt On : 12/17/09 12:58
Acq On : 12/17/09 12:16 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.678	152	35734	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	148047	40.00	ng	0.00
41) Acenaphthene-d10	8.101	164	82508	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	133456	40.00	ng	0.00
81) Chrysene-d12	12.605	240	110918	40.00	ng	0.00
96) Perylene-d12	14.215	264	112776	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.469	112	20191	19.23	ng	0.00
Spiked Amount 100.000			Recovery = 19.23%			
9) Phenol-d5	5.368	99	31124	19.63	ng	0.00
Spiked Amount 100.000			Recovery = 19.63%			
24) Nitrobenzene-d5	6.133	128	6025	9.68	ng	0.00
Spiked Amount 50.000			Recovery = 19.36%			
46) 2-Fluorobiphenyl	7.518	172	27673	10.33	ng	0.00
Spiked Amount 50.000			Recovery = 20.66%			
70) 2,4,6-Tribromophenol	8.834	330	5012	24.19	ng	0.00
Spiked Amount 100.000			Recovery = 24.19%			
84) Terphenyl-d14	11.358	244	28176	9.32	ng	0.00
Spiked Amount 50.000			Recovery = 18.64%			
Target Compounds						Qvalue
2) Pyridine	2.822	79	23532	24.58	ng	75
3) N-Nitrosodimethylamine	2.752	74	14425	25.07	ng	97
5) Benzaldehyde	5.304	77	23332	22.16	ng	85
6) Aniline	5.395	93	36153	24.43	ng	89
7) Pentachloroethane	5.438	117	10999	21.19	ng	83
8) bis(2-Chloroethyl)ether	5.459	93	23305	19.65	ng	84
10) Phenol	5.379	94	31579	18.70	ng	92
11) 2-Chlorophenol	5.496	128	24775	18.88	ng	85
12) N-Decane	5.550	57	28929	27.23	ng	80
13) 1,3-Dichlorobenzene	5.630	146	26605	20.38	ng	99
14) 1,4-Dichlorobenzene	5.694	146	26751	19.41	ng	100
15) 1,2-Dichlorobenzene	5.817	146	25742	19.54	ng	94
16) Benzyl alcohol	5.796	108	16306	19.52	ng	85
17) bis(2-chloroisopropyl)...	5.908	45	38341	24.41	ng	85
18) 2-Methylphenol	5.887	108	23682	19.88	ng	99
19) Acetophenone	6.010	105	41870	18.58	ng	80
20) Hexachloroethane	6.095	117	10599	19.01	ng	89
21) N-Nitroso-di-n-propyla...	6.010	70	20852	21.16	ng	88
22) 3&4-Methylphenol	6.010	108	25064	18.66	ng	97
25) Nitrobenzene	6.144	77	28487	23.02	ng	89
26) Isophorone	6.331	82	54582	21.63	ng	91
27) 2-Nitrophenol	6.395	139	13399	20.02	ng	94
28) 2,4-Dimethylphenol	6.422	107	27211	20.30	ng	99
29) Benzoic Acid	6.486	105	13168m	19.25	ng	
30) bis(2-Chloroethoxy)met...	6.497	93	31333	21.49	ng	97
31) 2,4-Dichlorophenol	6.582	162	20301	18.80	ng	89
32) 1,2,4-Trichlorobenzene	6.646	180	22755	19.22	ng	99
33) Naphthalene	6.705	128	77797	20.13	ng	99
34) 4-Chloroaniline	6.743	127	31170	23.12	ng	92
35) Hexachlorobutadiene	6.796	225	10838	17.70	ng	98
36) Caprolactam	6.994	113	9887	17.47	ng	72
37) 4-Chloro-3-methylphenol	7.101	107	22435	18.33	ng	79
38) 2-Methylnaphthalene	7.235	142	52391	19.09	ng	97
39) Methylnaphthalenes (To...	7.235	142	52391	19.09	ng	97
40) 1,1'-Biphenyl	7.604	154	78848	19.52	ng	95
42) 1,2,4,5-Tetrachloroben...	7.363	216	25471	20.33	ng	98
43) Hexachlorocyclopentadiene	7.352	237	7310	21.22	ng	96
44) 2,4,6-Trichlorophenol	7.454	196	13573	19.47	ng	98
45) 2,4,5-Trichlorophenol	7.486	196	14820	19.00	ng	95
47) 2-Chloronaphthalene	7.625	162	48015	20.33	ng	97
48) 1,4-Dimethylnaphthalene	7.903	156	52000	20.24	ng	95
49) Dimethylnaphthalenes (...	7.903	156	52000	20.24	ng	95
50) Diphenyl Ether	7.689	170	40325	20.89	ng	85
51) 2-Nitroaniline	7.700	65	21364	24.79	ng	73
52) Acenaphthylene	7.978	152	81744	20.40	ng	98
53) Dimethylphthalate	7.850	163	57452	19.35	ng	97
54) 2,6-Dinitrotoluene	7.903	165	12397	18.81	ng	83
55) Acenaphthene	8.133	153	52012	20.36	ng	94
56) 3-Nitroaniline	8.053	138	14271	22.12	ng	62
57) 2,4-Dinitrophenol	8.144	184	4707	18.21	ng	83
58) Dibenzofuran	8.283	168	68507	19.37	ng	97
59) 2,4-Dinitrotoluene	8.262	165	16710	18.39	ng	74

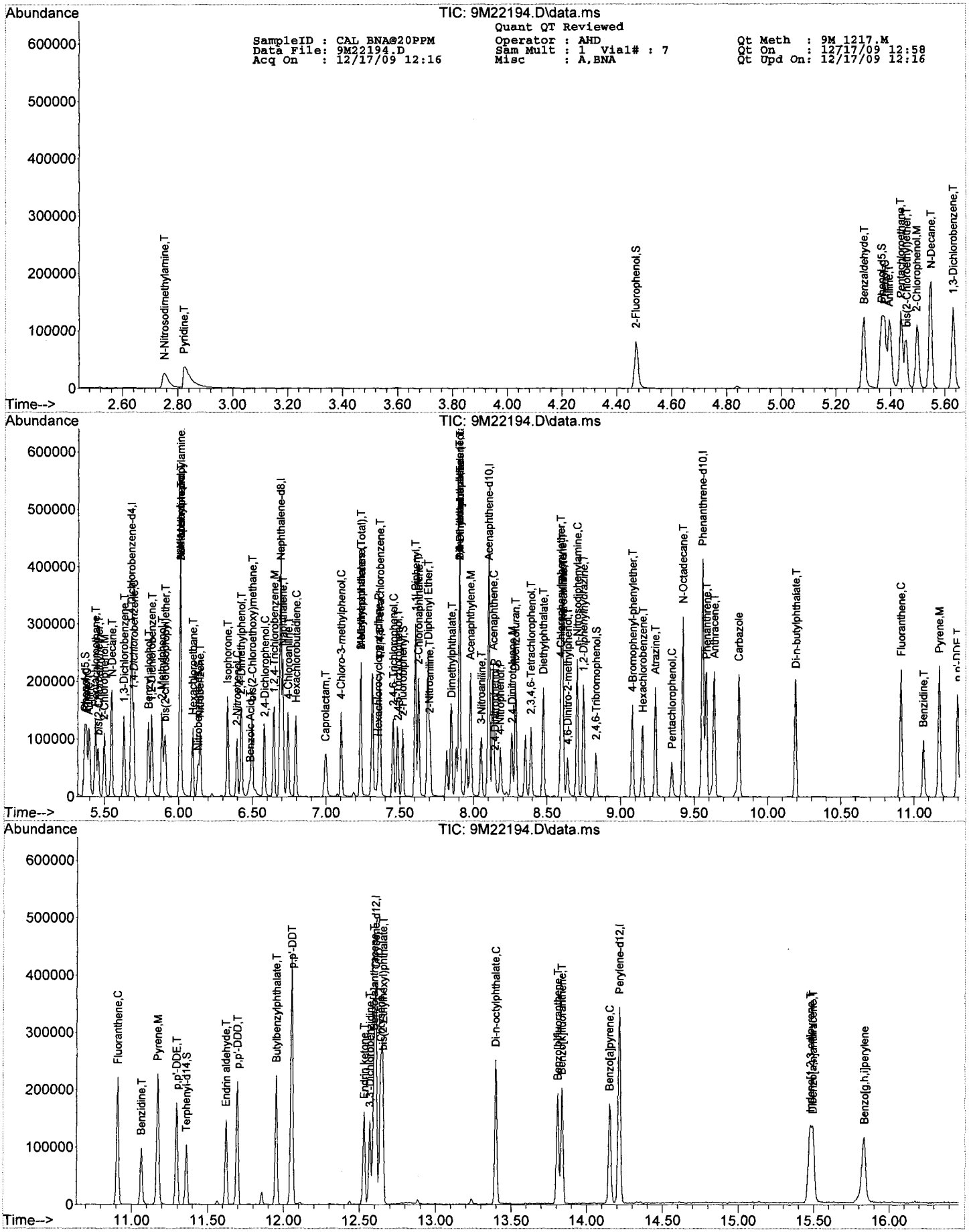
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@20PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22194.D Sam Mult : 1 Vial# : 7 Qt On : 12/17/09 12:58
Acq On : 12/17/09 12:16 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.181	65	11626	24.53	ng	93
61)	2,3,4,6-Tetrachlorophenol	8.390	232	11054	16.31	ng	95
62)	Fluorene	8.604	166	58204	19.32	ng	95
63)	4-Chlorophenyl-phenyle...	8.593	204	24738	18.02	ng	96
64)	Diethylphthalate	8.476	149	61774	19.12	ng	98
65)	4-Nitroaniline	8.609	138	15310	18.69	ng	85
66)	Atrazine	9.235	200	17246	16.59	ng	98
68)	4,6-Dinitro-2-methylph...	8.641	198	7886	19.65	ng	44
69)	n-Nitrosodiphenylamine	8.706	169	49805	21.71	ng	96
71)	1,2-Diphenylhydrazine	8.748	77	65454	25.00	ng	95
72)	4-Bromophenyl-phenylether	9.080	248	13071	19.66	ng	94
73)	Hexachlorobenzene	9.149	284	11981	19.40	ng	82
74)	N-Octadecane	9.422	57	45116	29.10	ng	86
75)	Pentachlorophenol	9.347	266	5946	20.34	ng	94
76)	Phenanthrene	9.583	178	82335	20.27	ng	98
77)	Anthracene	9.636	178	83040	20.27	ng	98
78)	Carbazole	9.802	167	82704	19.93	ng	97
79)	Di-n-butylphthalate	10.192	149	105047	19.83	ng	97
80)	Fluoranthene	10.909	202	83117	17.98	ng	92
82)	Pyrene	11.171	202	91581	20.93	ng	93
83)	Benzidine	11.064	184	36315	24.82	ng	96
85)	p,p'-DDE	11.294	246	17180	19.00	ng	91
86)	Endrin	11.621	81	6437	24.36	ng	86
87)	p,p'-DDD	11.695	235	31633	19.55	ng	85
88)	Butylbenzylphthalate	11.952	149	48924	21.18	ng	78
89)	Endrin aldehyde	11.621	67	2113	26.46	ng	61
90)	p,p'-DDT	12.054	235	27379	20.02	ng	90
91)	Endrin ketone	12.530	317	3339	23.82	ng	97
92)	3,3'-Dichlorobenzidine	12.567	252	24650	22.06	ng	98
93)	Benzo[a]anthracene	12.594	228	77442	18.15	ng	98
94)	Chrysene	12.637	228	73212	18.50	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.653	149	72167	21.90	ng	99
97)	Di-n-octylphthalate	13.396	149	117997	21.81	ng	98
98)	Benzo[b]fluoranthene	13.808	252	72358	18.85	ng	97
99)	Benzo[k]fluoranthene	13.835	252	66825	18.74	ng	97
100)	Benzo[a]pyrene	14.150	252	67349	18.83	ng	96
101)	Indeno[1,2,3-cd]pyrene	15.477	276	67264	17.67	ng	96
102)	Dibenzo[a,h]anthracene	15.493	278	54654	17.99	ng	99
103)	Benzo[g,h,i]perylene	15.835	276	53701	16.95	ng	97

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


Abundance
TIC: 9M22194.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@20PPM
Data File: 9M22194.D
Acq On : 12/17/09 12:16
Operator : AHD
Sam Mult : 1 Vial# : 7
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:58
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M22194.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Hexachlorocyclopentadiene,T
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene-d10,I
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->

Abundance
TIC: 9M22194.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Perylene-d12,I
Benzo[a]pyrene,C
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

0335

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22193.D Sam Mult : 1 Vial# : 6 Qt On : 12/17/09 12:18
Acq On : 12/17/09 11:53 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.684	152	36223	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	140932	40.00	ng	0.00
41) Acenaphthene-d10	8.106	164	76377	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	125915	40.00	ng	0.00
81) Chrysene-d12	12.610	240	102927	40.00	ng	0.00
96) Perylene-d12	14.220	264	105894	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	92546	86.94	ng	0.00
Spiked Amount 100.000			Recovery = 86.94%			
9) Phenol-d5	5.373	99	124004	77.14	ng	0.00
Spiked Amount 100.000			Recovery = 77.14%			
24) Nitrobenzene-d5	6.133	128	23790	40.15	ng	0.00
Spiked Amount 50.000			Recovery = 80.30%			
46) 2-Fluorobiphenyl	7.523	172	99184	39.99	ng	0.00
Spiked Amount 50.000			Recovery = 79.98%			
70) 2,4,6-Tribromophenol	8.839	330	19150	97.94	ng	0.00
Spiked Amount 100.000			Recovery = 97.94%			
84) Terphenyl-d14	11.364	244	103409	36.85	ng	0.00
Spiked Amount 50.000			Recovery = 73.70%			
Target Compounds						Qvalue
2) Pyridine	2.817	79	104533	107.72	ng	79
3) N-Nitrosodimethylamine	2.758	74	63482	102.99	ng	86
5) Benzaldehyde	5.304	77	76328	71.53	ng	84
6) Aniline	5.400	93	150094	89.40	ng	55
7) Pentachloroethane	5.443	117	46247	87.91	ng	82
8) bis(2-Chloroethyl)ether	5.459	93	95306	79.28	ng	87
10) Phenol	5.384	94	135163	78.95	ng	90
11) 2-Chlorophenol	5.502	128	102202	76.83	ng	85
12) N-Decane	5.550	57	128698	119.50	ng	86
13) 1,3-Dichlorobenzene	5.635	146	108060	81.66	ng	95
14) 1,4-Dichlorobenzene	5.694	146	114660	82.08	ng	99
15) 1,2-Dichlorobenzene	5.823	146	104147	77.98	ng	99
16) Benzyl alcohol	5.801	108	65768	77.65	ng	78
17) bis(2-chloroisopropyl)...	5.908	45	148706	93.41	ng	83
18) 2-Methylphenol	5.892	108	88553	73.35	ng	99
19) Acetophenone	6.015	105	162139	70.97	ng	82
20) Hexachloroethane	6.095	117	45431	80.37	ng	96
21) N-Nitroso-di-n-propyla...	6.015	70	79150	79.24	ng	93
22) 3&4-Methylphenol	6.015	108	93584	68.73	ng	95
25) Nitrobenzene	6.149	77	109215	92.70	ng	85
26) Isophorone	6.336	82	201025	83.70	ng	88
27) 2-Nitrophenol	6.400	139	52955	83.10	ng	94
28) 2,4-Dimethylphenol	6.427	107	103235	80.92	ng	97
29) Benzoic Acid	6.518	105	67026m	85.37	ng	
30) bis(2-Chloroethoxy)met...	6.502	93	115629	83.31	ng	96
31) 2,4-Dichlorophenol	6.582	162	79097	76.94	ng	90
32) 1,2,4-Trichlorobenzene	6.646	180	88845	78.85	ng	98
33) Naphthalene	6.710	128	290708	79.03	ng	99
34) 4-Chloroaniline	6.743	127	106467	90.20	ng	99
35) Hexachlorobutadiene	6.796	225	43138	74.02	ng	97
36) Caprolactam	7.031	113	37216	69.09	ng	71
37) 4-Chloro-3-methylphenol	7.112	107	87668	75.22	ng	81
38) 2-Methylnaphthalene	7.235	142	194202	74.33	ng	100
39) Methylnaphthalenes (To...	7.235	142	194202	74.33	ng	100
40) 1,1'-Biphenyl	7.609	154	282170	73.36	ng	94
42) 1,2,4,5-Tetrachloroben...	7.368	216	92433	79.71	ng	99
43) Hexachlorocyclopentadiene	7.358	237	35464	93.06	ng	99
44) 2,4,6-Trichlorophenol	7.454	196	49016	75.94	ng	96
45) 2,4,5-Trichlorophenol	7.491	196	53560	74.19	ng	99
47) 2-Chloronaphthalene	7.630	162	175933	80.46	ng	95
48) 1,4-Dimethylnaphthalene	7.909	156	186426	78.39	ng	93
49) Dimethylnaphthalenes (...	7.909	156	186426	78.39	ng	93
50) Diphenyl Ether	7.689	170	140471	78.62	ng	87
51) 2-Nitroaniline	7.705	65	79043	99.08	ng	79
52) Acenaphthylene	7.983	152	291422	78.57	ng	98
53) Dimethylphthalate	7.855	163	201375	73.25	ng	99
54) 2,6-Dinitrotoluene	7.909	165	46156	75.66	ng	72
55) Acenaphthene	8.133	153	180904	76.48	ng	97
56) 3-Nitroaniline	8.058	138	48683	81.53	ng	75
57) 2,4-Dinitrophenol	8.149	184	23613	83.02	ng	81
58) Dibenzofuran	8.288	168	242198	73.97	ng	92
59) 2,4-Dinitrotoluene	8.267	165	63642	75.65	ng	70

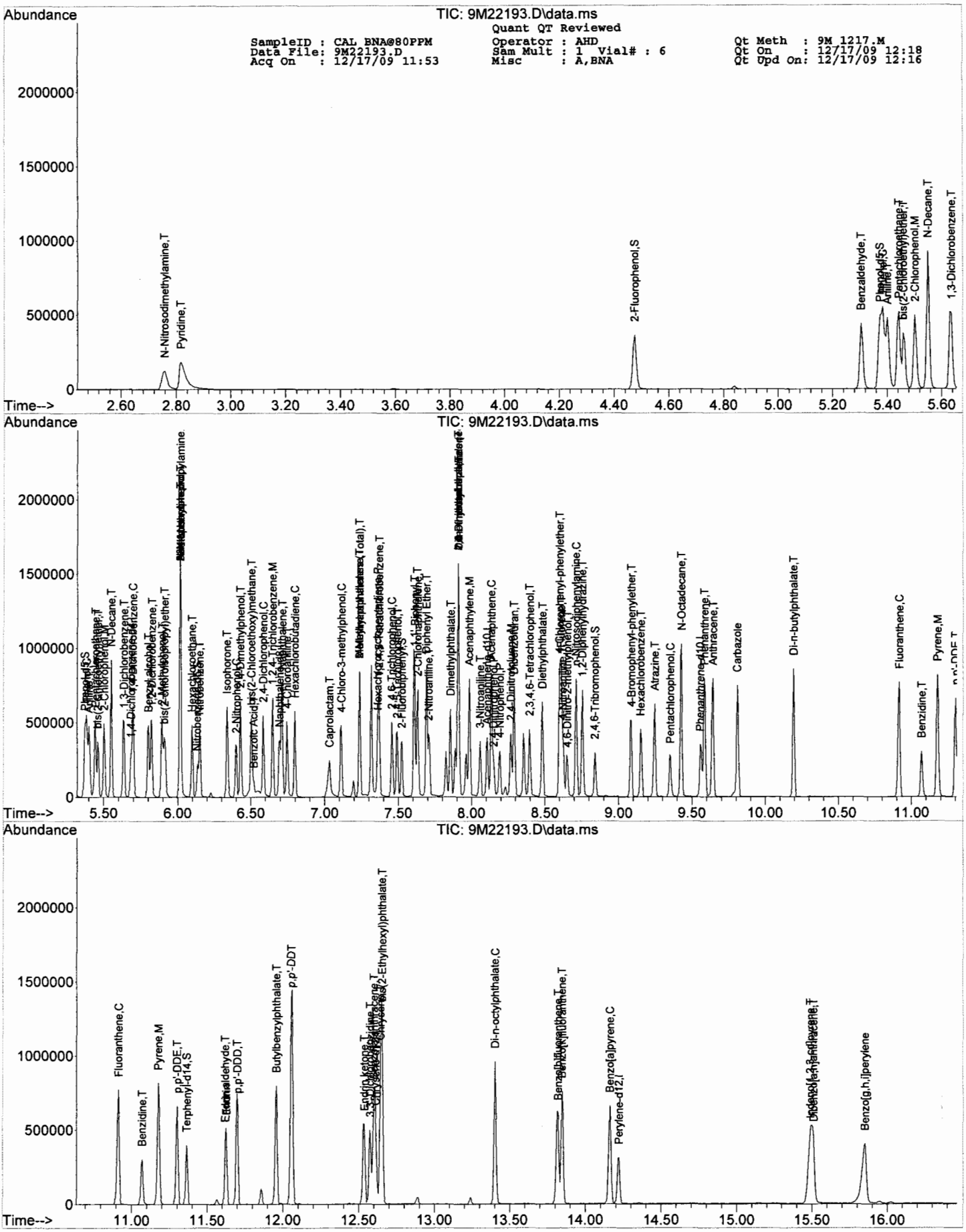
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@80PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22193.D Sam Mult : 1 Vial# : 6 Qt On : 12/17/09 12:18
Acq On : 12/17/09 11:53 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.192	65	41526	94.65	ng	87
61)	2,3,4,6-Tetrachlorophenol	8.395	232	42036	67.01	ng	93
62)	Fluorene	8.609	166	203269	72.89	ng	98
63)	4-Chlorophenyl-phenyle...	8.599	204	88426	69.60	ng	97
64)	Diethylphthalate	8.481	149	218580	73.09	ng	99
65)	4-Nitroaniline	8.620	138	56616	74.66	ng	86
66)	Atrazine	9.246	200	63206	65.67	ng	98
68)	4,6-Dinitro-2-methylph...	8.652	198	32036	78.39	ng	38
69)	n-Nitrosodiphenylamine	8.711	169	178192	82.31	ng	99
71)	1,2-Diphenylhydrazine	8.754	77	237393	96.08	ng	91
72)	4-Bromophenyl-phenylether	9.085	248	46352	73.88	ng	96
73)	Hexachlorobenzene	9.149	284	45918	78.79	ng	86
74)	N-Octadecane	9.428	57	169665	115.98	ng	84
75)	Pentachlorophenol	9.353	266	26340	82.25	ng	98
76)	Phenanthrene	9.583	178	290749	75.85	ng	99
77)	Anthracene	9.642	178	301554	78.02	ng	100
78)	Carbazole	9.807	167	291792	74.54	ng	98
79)	Di-n-butylphthalate	10.192	149	391907	78.42	ng	98
80)	Fluoranthene	10.914	202	307615	70.54	ng	94
82)	Pyrene	11.177	202	333341	82.10	ng	92
83)	Benzidine	11.070	184	112214	82.65	ng	86
85)	p,p'-DDE	11.300	246	62366	74.34	ng	94
86)	Endrin	11.626	81	23414	95.48	ng	89
87)	p,p'-DDD	11.701	235	115417	76.88	ng	84
88)	Butylbenzylphthalate	11.957	149	184300	85.98	ng	79
89)	Endrin aldehyde	11.621	67	8338	112.50	ng	63
90)	p,p'-DDT	12.054	235	101494	79.97	ng	90
91)	Endrin ketone	12.535	317	12340	94.88	ng	98
92)	3,3'-Dichlorobenzidine	12.573	252	86614	90.41	ng	96
93)	Benzo[a]anthracene	12.599	228	284450	71.83	ng	99
94)	Chrysene	12.642	228	271492	73.93	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.653	149	261435	85.49	ng	97
97)	Di-n-octylphthalate	13.402	149	454371	89.46	ng	100
98)	Benzo[b]fluoranthene	13.819	252	266454	73.92	ng	97
99)	Benzo[k]fluoranthene	13.846	252	261522	78.10	ng	99
100)	Benzo[a]pyrene	14.161	252	252646	75.23	ng	99
101)	Indeno[1,2,3-cd]pyrene	15.488	276	259384	72.59	ng	74
102)	Dibenzo[a,h]anthracene	15.509	278	214271	75.10	ng	95
103)	Benzo[g,h,i]perylene	15.851	276	213702	71.84	ng	97

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


Abundance
TIC: 9M22193.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@80PPM
Data File: 9M22193.D
Acq On : 12/17/09 11:53
Operator : AHD
Sam Mult : 1 Vial# : 6
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:18
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
Dimethylphthalate,T
Acenaphthylene,M
Diethylphthalate,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo(a)pyrene,C
Perylene-d12,I
Benzo(g,h,i)perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22192.D Sam Mult : 1 Vial# : 5 Qt On : 12/17/09 12:18
Acq On : 12/17/09 11:31 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.684	152	32144	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	127007	40.00	ng	0.00
41) Acenaphthene-d10	8.107	164	69763	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	115817	40.00	ng	0.00
81) Chrysene-d12	12.615	240	94248	40.00	ng	0.00
96) Perylene-d12	14.220	264	97952	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	123281	130.51	ng	0.00
Spiked Amount 100.000			Recovery = 130.51%			
9) Phenol-d5	5.373	99	166564	116.76	ng	0.00
Spiked Amount 100.000			Recovery = 116.76%			
24) Nitrobenzene-d5	6.133	128	31900	59.74	ng	0.00
Spiked Amount 50.000			Recovery = 119.48%			
46) 2-Fluorobiphenyl	7.524	172	135557	59.84	ng	0.00
Spiked Amount 50.000			Recovery = 119.68%			
70) 2,4,6-Tribromophenol	8.839	330	26436	147.00	ng	0.00
Spiked Amount 100.000			Recovery = 147.00%			
84) Terphenyl-d14	11.364	244	141310	54.99	ng	0.00
Spiked Amount 50.000			Recovery = 109.98%			
Target Compounds						Qvalue
2) Pyridine	2.811	79	135607	157.47	ng	81
3) N-Nitrosodimethylamine	2.753	74	82310	146.14	ng	94
5) Benzaldehyde	5.304	77	59858	63.21	ng	82
6) Aniline	5.400	93	196661	124.78	ng	54
7) Pentachloroethane	5.443	117	59743	127.98	ng	83
8) bis(2-Chloroethyl)ether	5.464	93	124673	116.87	ng	85
10) Phenol	5.389	94	179988	118.47	ng	99
11) 2-Chlorophenol	5.502	128	135250	114.57	ng	86
12) N-Decane	5.550	57	161961	169.47	ng	85
13) 1,3-Dichlorobenzene	5.635	146	140357	119.52	ng	96
14) 1,4-Dichlorobenzene	5.694	146	146993	118.57	ng	98
15) 1,2-Dichlorobenzene	5.823	146	135893	114.67	ng	98
16) Benzyl alcohol	5.801	108	88085	117.19	ng	82
17) bis(2-chloroisopropyl)...	5.908	45	196967	139.42	ng	80
18) 2-Methylphenol	5.892	108	119781	111.80	ng	98
19) Acetophenone	6.015	105	212951	105.05	ng	82
20) Hexachloroethane	6.095	117	58568	116.76	ng	96
21) N-Nitroso-di-n-propyla...	6.015	70	104316	117.68	ng	96
22) 3&4-Methylphenol	6.021	108	127536	105.55	ng	100
25) Nitrobenzene	6.149	77	140957	132.76	ng	87
26) Isophorone	6.341	82	267482	123.58	ng	85
27) 2-Nitrophenol	6.400	139	71094	123.79	ng	91
28) 2,4-Dimethylphenol	6.427	107	137266	119.39	ng	97
29) Benzoic Acid	6.523	105	95451m	122.96	ng	
30) bis(2-Chloroethoxy)met...	6.502	93	156282	124.94	ng	98
31) 2,4-Dichlorophenol	6.582	162	106971	115.47	ng	92
32) 1,2,4-Trichlorobenzene	6.646	180	117454	115.67	ng	98
33) Naphthalene	6.711	128	382462	115.37	ng	99
34) 4-Chloroaniline	6.743	127	137822	138.23	ng	97
35) Hexachlorobutadiene	6.796	225	56964	108.46	ng	97
36) Caprolactam	7.042	113	50224	103.46	ng	70
37) 4-Chloro-3-methylphenol	7.112	107	115863	110.32	ng	80
38) 2-Methylnaphthalene	7.235	142	263651	111.98	ng	100
39) Methylnaphthalenes (To...	7.235	142	263651	111.98	ng	100
40) 1,1'-Biphenyl	7.609	154	369571	106.62	ng	94
42) 1,2,4,5-Tetrachloroben...	7.368	216	125489	118.47	ng	97
43) Hexachlorocyclopentadiene	7.358	237	50498	133.00	ng	98
44) 2,4,6-Trichlorophenol	7.454	196	69267	117.49	ng	99
45) 2,4,5-Trichlorophenol	7.491	196	72896	110.54	ng	96
47) 2-Chloronaphthalene	7.630	162	233989	117.16	ng	95
48) 1,4-Dimethylnaphthalene	7.909	156	251266	115.67	ng	94
49) Dimethylnaphthalenes (...	7.909	156	251266	115.67	ng	94
50) Diphenyl Ether	7.689	170	190750	116.89	ng	86
51) 2-Nitroaniline	7.711	65	107129	147.02	ng	69
52) Acenaphthylene	7.989	152	397158	117.22	ng	99
53) Dimethylphthalate	7.855	163	272056	108.34	ng	99
54) 2,6-Dinitrotoluene	7.914	165	61800	110.90	ng	67
55) Acenaphthene	8.139	153	252327	116.79	ng	95
56) 3-Nitroaniline	8.064	138	67445	123.65	ng	80
57) 2,4-Dinitrophenol	8.155	184	33493	118.58	ng	87
58) Dibenzofuran	8.288	168	333715	111.58	ng	91
59) 2,4-Dinitrotoluene	8.267	165	87429	113.77	ng	78

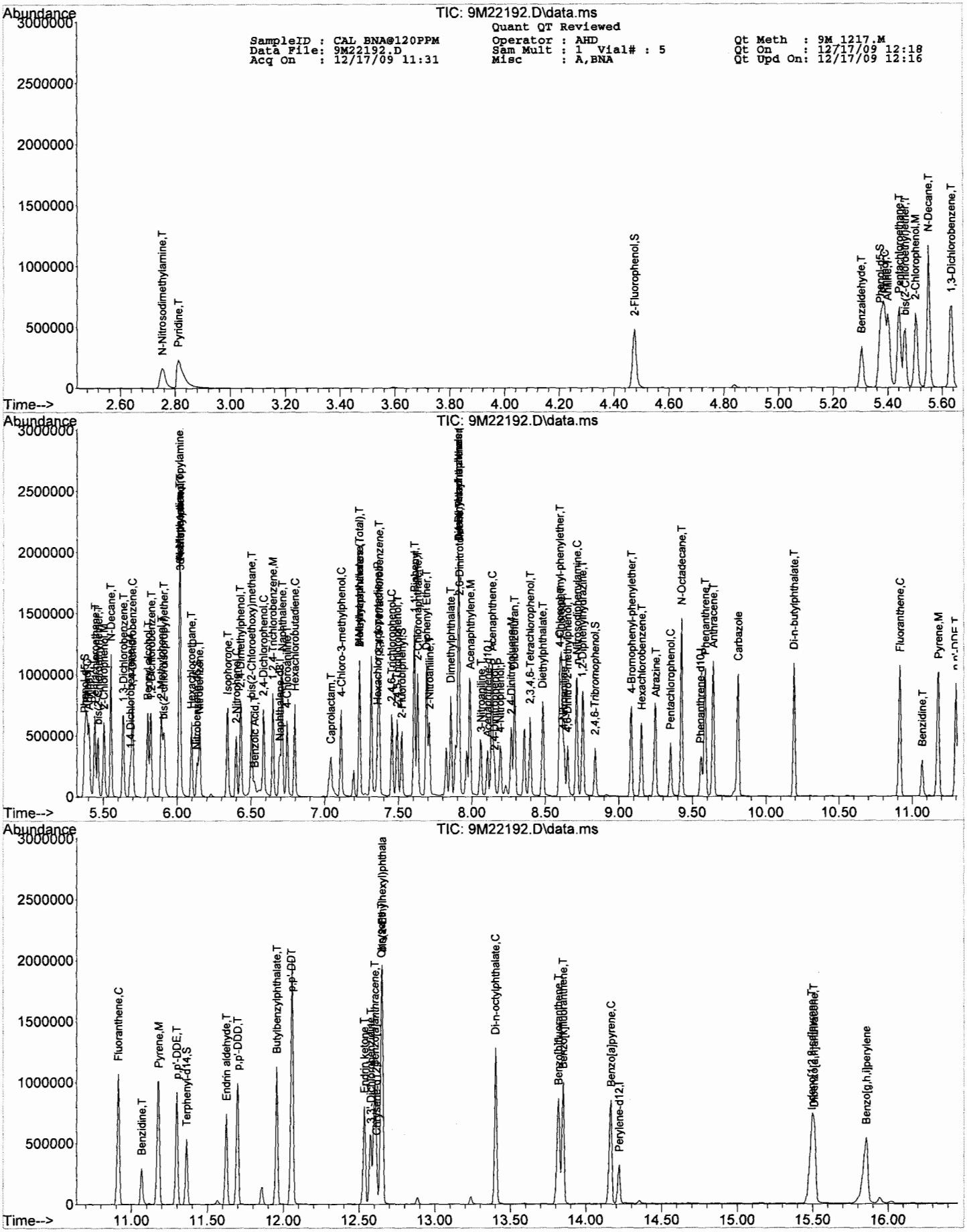
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@120PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22192.D Sam Mult : 1 Vial# : 5 Qt On : 12/17/09 12:18
Acq On : 12/17/09 11:31 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.192	65	55197	137.74	ng	90
61)	2,3,4,6-Tetrachlorophenol	8.395	232	57222	99.87	ng	91
62)	Fluorene	8.609	166	279358	109.67	ng	100
63)	4-Chlorophenyl-phenyle...	8.599	204	119612	103.07	ng	95
64)	Diethylphthalate	8.481	149	294138	107.68	ng	99
65)	4-Nitroaniline	8.625	138	76808	110.88	ng	87
66)	Atrazine	9.251	200	87965	100.05	ng	98
68)	4,6-Dinitro-2-methylph...	8.652	198	45898	116.56	ng	39
69)	n-Nitrosodiphenylamine	8.716	169	236125	118.58	ng	99
71)	1,2-Diphenylhydrazine	8.754	77	317947	139.91	ng	91
72)	4-Bromophenyl-phenylether	9.085	248	64684	112.09	ng	99
73)	Hexachlorobenzene	9.155	284	62386	116.38	ng	76
74)	N-Octadecane	9.428	57	227822	169.31	ng	84
75)	Pentachlorophenol	9.353	266	37689	118.36	ng	96
76)	Phenanthrene	9.588	178	400669	113.64	ng	99
77)	Anthracene	9.642	178	411295	115.69	ng	99
78)	Carbazole	9.813	167	404548	112.36	ng	99
79)	Di-n-butylphthalate	10.192	149	533175	115.99	ng	98
80)	Fluoranthene	10.915	202	421979	105.20	ng	96
82)	Pyrene	11.182	202	453287	121.92	ng	91
83)	Benzidine	11.070	184	108704	87.44	ng	85
85)	p,p'-DDE	11.300	246	87418	113.79	ng	93
86)	Endrin	11.626	81	32144	143.15	ng	82
87)	p,p'-DDD	11.701	235	157825	114.81	ng	84
88)	Butylbenzylphthalate	11.958	149	255160	130.00	ng	77
89)	Endrin aldehyde	11.626	67	11558	170.31	ng	61
90)	p,p'-DDT	12.054	235	139354	119.92	ng	90
91)	Endrin ketone	12.535	317	16335	137.17	ng	98
92)	3,3'-Dichlorobenzidine	12.578	252	102800	121.78	ng	97
93)	Benzo[a]anthracene	12.605	228	396918	109.46	ng	99
94)	Chrysene	12.648	228	367359	109.25	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.653	149	355614	126.99	ng	97
97)	Di-n-octylphthalate	13.402	149	629601	134.01	ng	100
98)	Benzo[b]fluoranthene	13.819	252	385661	115.66	ng	98
99)	Benzo[k]fluoranthene	13.851	252	339995	109.77	ng	97
100)	Benzo[a]pyrene	14.167	252	349649	112.55	ng	97
101)	Indeno[1,2,3-cd]pyrene	15.493	276	358473	108.45	ng	96
102)	Dibenzo[a,h]anthracene	15.509	278	294750	111.69	ng	98
103)	Benzo[g,h,i]perylene	15.857	276	292118	106.16	ng	97

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


TIC: 9M22192.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@120PPM
Data File: 9M22192.D
Acq On : 12/17/09 11:31
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:18
Qt Upd On: 12/17/09 12:16
Abundance
Time-->
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dichlorophenol,C
Benzoic Acid,T
Naphthalene,T
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
2,3,4,6-Tetrachlorophenol,T
Diethylphthalate,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Butylbenzylphthalate,T
p,p'-DDT
Endrin aldehyde,T
p,p'-DDD,T
p,p'-DDE,T
Terphenyl-d14,S
Fluoranthene,C
Benzidine,T
Pyrene,M
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22191.D Sam Mult : 1 Vial# : 4 Qt On : 12/17/09 12:17
Acq On : 12/17/09 11:08 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.683	152	33661	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	135402	40.00	ng	0.00
41) Acenaphthene-d10	8.106	164	74631	40.00	ng	0.00
67) Phenanthrene-d10	9.561	188	125202	40.00	ng	0.00
81) Chrysene-d12	12.621	240	97876	40.00	ng	0.01
96) Perylene-d12	14.220	264	98607	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	179057	181.02	ng	0.00
Spiked Amount 100.000			Recovery =	181.02%		
9) Phenol-d5	5.378	99	247159	165.45	ng	0.01
Spiked Amount 100.000			Recovery =	165.45%		
24) Nitrobenzene-d5	6.138	128	48749	85.63	ng	0.00
Spiked Amount 50.000			Recovery =	171.26%		
46) 2-Fluorobiphenyl	7.523	172	202756	83.66	ng	0.00
Spiked Amount 50.000			Recovery =	167.32%		
70) 2,4,6-Tribromophenol	8.844	330	40529	208.47	ng	0.00
Spiked Amount 100.000			Recovery =	208.47%		
84) Terphenyl-d14	11.369	244	207641	77.81	ng	0.00
Spiked Amount 50.000			Recovery =	155.62%		
Target Compounds						Qvalue
2) Pyridine	2.806	79	194925	216.15	ng	81
3) N-Nitrosodimethylamine	2.752	74	116288	191.37	ng	89
5) Benzaldehyde	5.304	77	64508	65.05	ng	83
6) Aniline	5.405	93	280236	160.82	ng	50
7) Pentachloroethane	5.443	117	85893	175.70	ng	84
8) bis(2-Chloroethyl)ether	5.464	93	176538	158.03	ng	88
10) Phenol	5.389	94	262282	164.85	ng	99
11) 2-Chlorophenol	5.507	128	193353	156.41	ng	82
12) N-Decane	5.550	57	227400	227.22	ng	88
13) 1,3-Dichlorobenzene	5.635	146	197338	160.47	ng	98
14) 1,4-Dichlorobenzene	5.699	146	206810	159.31	ng	99
15) 1,2-Dichlorobenzene	5.822	146	194171	156.46	ng	98
16) Benzyl alcohol	5.801	108	129309	164.29	ng	86
17) bis(2-chloroisopropyl)...	5.913	45	286640	193.75	ng	86
18) 2-Methylphenol	5.892	108	176010	156.88	ng	100
19) Acetophenone	6.020	105	305152	143.74	ng	83
20) Hexachloroethane	6.095	117	83059	158.12	ng	99
21) N-Nitroso-di-n-propyla...	6.020	70	151307	163.00	ng	95
22) 3&4-Methylphenol	6.020	108	181627	143.54	ng	98
25) Nitrobenzene	6.154	77	208537	184.24	ng	85
26) Isophorone	6.341	82	401761	174.11	ng	91
27) 2-Nitrophenol	6.400	139	108415	177.07	ng	94
28) 2,4-Dimethylphenol	6.432	107	208682	170.25	ng	98
29) Benzoic Acid	6.544	105	139669m	156.44	ng	
30) bis(2-Chloroethoxy)met...	6.507	93	227812	170.84	ng	95
31) 2,4-Dichlorophenol	6.587	162	156639	158.60	ng	91
32) 1,2,4-Trichlorobenzene	6.646	180	172603	159.44	ng	98
33) Naphthalene	6.710	128	562876	159.26	ng	99
34) 4-Chloroaniline	6.748	127	187017	189.44	ng	99
35) Hexachlorobutadiene	6.796	225	80633	144.01	ng	94
36) Caprolactam	7.058	113	72938	140.93	ng	72
37) 4-Chloro-3-methylphenol	7.117	107	179012	159.87	ng	79
38) 2-Methylnaphthalene	7.240	142	388408	154.74	ng	100
39) Methylnaphthalenes (To...	7.240	142	388408	154.74	ng	100
40) 1,1'-Biphenyl	7.609	154	551755	149.31	ng	96
42) 1,2,4,5-Tetrachloroben...	7.368	216	183612	162.03	ng	98
43) Hexachlorocyclopentadiene	7.357	237	78603	177.20	ng	99
44) 2,4,6-Trichlorophenol	7.459	196	103368	163.90	ng	98
45) 2,4,5-Trichlorophenol	7.497	196	112825	159.93	ng	98
47) 2-Chloronaphthalene	7.636	162	349756	163.70	ng	94
48) 1,4-Dimethylnaphthalene	7.914	156	371532	159.87	ng	92
49) Dimethylnaphthalenes (...	7.914	156	371532	159.87	ng	92
50) Diphenyl Ether	7.694	170	282236	161.67	ng	83
51) 2-Nitroaniline	7.710	65	159329	204.40	ng	75
52) Acenaphthylene	7.989	152	588137	162.27	ng	98
53) Dimethylphthalate	7.860	163	415568	154.70	ng	99
54) 2,6-Dinitrotoluene	7.919	165	92021	154.36	ng	64
55) Acenaphthene	8.138	153	373425	161.57	ng	95
56) 3-Nitroaniline	8.063	138	92768	158.99	ng	73
57) 2,4-Dinitrophenol	8.154	184	53073	160.48	ng	81
58) Dibenzofuran	8.293	168	490573	153.33	ng	91
59) 2,4-Dinitrotoluene	8.277	165	131647	160.14	ng	65

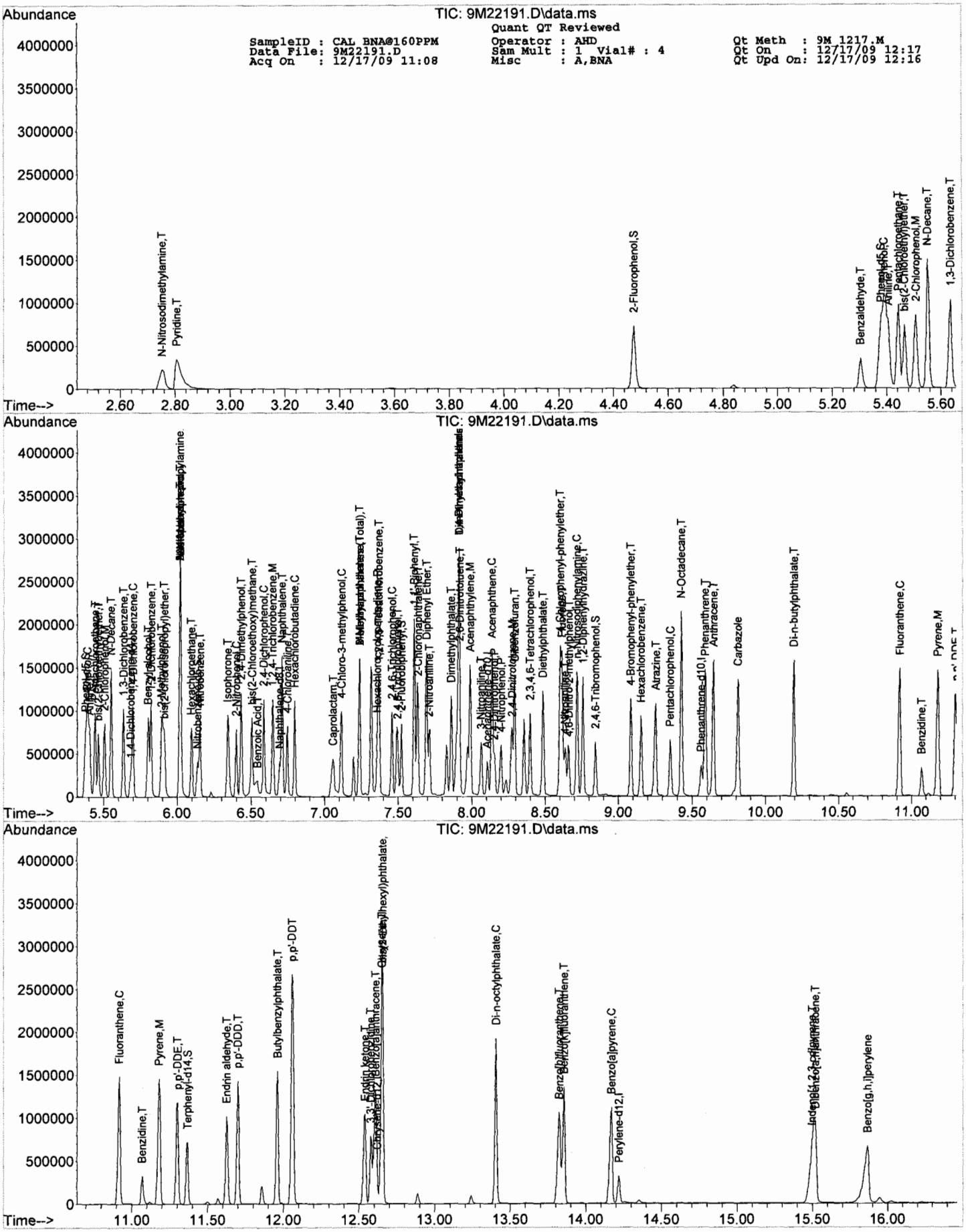
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@160PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22191.D Sam Mult : 1 Vial# : 4 Qt On : 12/17/09 12:17
Acq On : 12/17/09 11:08 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60)	4-Nitrophenol	8.203	65	84538	197.20	ng	79
61)	2,3,4,6-Tetrachlorophenol	8.400	232	89009	145.22	ng	93
62)	Fluorene	8.614	166	412490	151.37	ng	100
63)	4-Chlorophenyl-phenyle...	8.604	204	174426	140.50	ng	94
64)	Diethylphthalate	8.486	149	437495	149.71	ng	100
65)	4-Nitroaniline	8.636	138	114536	154.56	ng	85
66)	Atrazine	9.256	200	126523	134.52	ng	97
68)	4,6-Dinitro-2-methylph...	8.662	198	70783	158.40	ng	42
69)	n-Nitrosodiphenylamine	8.716	169	358850	166.70	ng	100
71)	1,2-Diphenylhydrazine	8.759	77	477620	194.42	ng	87
72)	4-Bromophenyl-phenylether	9.085	248	96024	153.93	ng	94
73)	Hexachlorobenzene	9.155	284	93484	161.32	ng	87
74)	N-Octadecane	9.427	57	342402	235.38	ng	85
75)	Pentachlorophenol	9.352	266	59082	158.46	ng	97
76)	Phenanthrene	9.588	178	596602	156.53	ng	99
77)	Anthracene	9.647	178	608602	158.36	ng	99
78)	Carbazole	9.812	167	596507	153.25	ng	98
79)	Di-n-butylphthalate	10.198	149	788243	158.63	ng	98
80)	Fluoranthene	10.920	202	624910	144.12	ng	95
82)	Pyrene	11.182	202	660235	171.01	ng	93
83)	Benzidine	11.069	184	118198	91.55	ng	87
85)	p,p'-DDE	11.305	246	126050	158.00	ng	94
86)	Endrin	11.626	81	47609	204.16	ng	87
87)	p,p'-DDD	11.701	235	225935	158.26	ng	83
88)	Butylbenzylphthalate	11.963	149	365158	179.15	ng	76
89)	Endrin aldehyde	11.626	67	16266	230.80	ng	62
90)	p,p'-DDT	12.059	235	199801	165.56	ng	89
91)	Endrin ketone	12.540	317	23321	188.57	ng	99
92)	3,3'-Dichlorobenzidine	12.578	252	135197	162.50	ng	100
93)	Benzo[a]anthracene	12.610	228	553337	146.95	ng	99
94)	Chrysene	12.653	228	516794	147.99	ng	98
95)	bis(2-Ethylhexyl)phtha...	12.658	149	494952	170.20	ng	95
97)	Di-n-octylphthalate	13.407	149	887037	187.55	ng	100
98)	Benzo[b]fluoranthene	13.824	252	541736	161.39	ng	97
99)	Benzo[k]fluoranthene	13.856	252	456605	146.44	ng	96
100)	Benzo[a]pyrene	14.172	252	482510	154.29	ng	95
101)	Indeno[1,2,3-cd]pyrene	15.498	276	477798	143.59	ng	78
102)	Dibenzo[a,h]anthracene	15.519	278	394043	148.32	ng	97
103)	Benzo[g,h,i]perylene	15.867	276	394277	142.34	ng	97

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


Abundance
TIC: 9M22191.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@160PPM
Data File: 9M22191.D
Acq On : 12/17/09 11:08
Operator : AHD
Sam Mult : 1 Vial# : 4
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:17
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M22191.D\data.ms
Caprolactam,T
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,C
Dimethylphthalate,T
Acenaphthylene,M
Acenaphthene,C
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
2,4,6-Tribromophenol,S
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->

Abundance
TIC: 9M22191.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22190.D Sam Mult : 1 Vial# : 3 Qt On : 12/17/09 12:17
Acq On : 12/17/09 10:45 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.683	152	34035	40.00	ng	0.00
23) Naphthalene-d8	6.694	136	132938	40.00	ng	0.00
41) Acenaphthene-d10	8.106	164	77058	40.00	ng	0.00
67) Phenanthrene-d10	9.561	188	125385	40.00	ng	0.00
81) Chrysene-d12	12.621	240	95062	40.00	ng	0.01
96) Perylene-d12	14.220	264	93935	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.475	112	219497	219.46	ng	0.00
Spiked Amount 100.000			Recovery = 219.46%			
9) Phenol-d5	5.379	99	301923	199.89	ng	0.01
Spiked Amount 100.000			Recovery = 199.89%			
24) Nitrobenzene-d5	6.138	128	56440	100.97	ng	0.00
Spiked Amount 50.000			Recovery = 201.94%			
46) 2-Fluorobiphenyl	7.523	172	243924	97.48	ng	0.00
Spiked Amount 50.000			Recovery = 194.96%			
70) 2,4,6-Tribromophenol	8.850	330	49949	256.54	ng	0.01
Spiked Amount 100.000			Recovery = 256.54%			
84) Terphenyl-d14	11.369	244	251422	97.00	ng	0.00
Spiked Amount 50.000			Recovery = 194.00%			
Target Compounds						Qvalue
2) Pyridine	2.806	79	234570	257.26	ng	83
3) N-Nitrosodimethylamine	2.758	74	141828	225.79	ng	90
5) Benzaldehyde	5.304	77	69535	69.35	ng	81
6) Aniline	5.405	93	342182	187.02	ng	51
7) Pentachloroethane	5.443	117	100542	203.41	ng	82
8) bis(2-Chloroethyl)ether	5.469	93	215951	191.18	ng	84
10) Phenol	5.395	94	321180	199.65	ng	93
11) 2-Chlorophenol	5.507	128	239475	191.59	ng	84
12) N-Decane	5.550	57	269270	266.10	ng	87
13) 1,3-Dichlorobenzene	5.635	146	239595	192.69	ng	98
14) 1,4-Dichlorobenzene	5.699	146	246742	187.98	ng	98
15) 1,2-Dichlorobenzene	5.822	146	234230	186.66	ng	97
16) Benzyl alcohol	5.806	108	157845	198.34	ng	80
17) bis(2-chloroisopropyl)...	5.913	45	345536	230.99	ng	83
18) 2-Methylphenol	5.897	108	212581	187.39	ng	100
19) Acetophenone	6.020	105	373008	173.78	ng	81
20) Hexachloroethane	6.095	117	103669	195.19	ng	98
21) N-Nitroso-di-n-propyla...	6.026	70	184436	196.51	ng	91
22) 3&4-Methylphenol	6.026	108	221184	172.88	ng	97
25) Nitrobenzene	6.154	77	254181	228.73	ng	86
26) Isophorone	6.347	82	488676	215.70	ng	88
27) 2-Nitrophenol	6.400	139	130713	217.45	ng	92
28) 2,4-Dimethylphenol	6.438	107	252291	209.64	ng	97
29) Benzoic Acid	6.555	105	175357m	187.39	ng	
30) bis(2-Chloroethoxy)met...	6.507	93	280310	214.10	ng	95
31) 2,4-Dichlorophenol	6.593	162	191539	197.53	ng	87
32) 1,2,4-Trichlorobenzene	6.652	180	206982	194.74	ng	98
33) Naphthalene	6.710	128	684205	197.18	ng	99
34) 4-Chloroaniline	6.748	127	218079	245.72	ng	100
35) Hexachlorobutadiene	6.796	225	97497	177.36	ng	97
36) Caprolactam	7.069	113	81013	159.44	ng	72
37) 4-Chloro-3-methylphenol	7.117	107	221126	201.14	ng	84
38) 2-Methylnaphthalene	7.240	142	476032	193.17	ng	99
39) Methylnaphthalenes (To...	7.240	142	476032	193.17	ng	99
40) 1,1'-Biphenyl	7.614	154	681467	187.83	ng	94
42) 1,2,4,5-Tetrachloroben...	7.374	216	226075	193.22	ng	98
43) Hexachlorocyclopentadiene	7.363	237	96422	201.28	ng	98
44) 2,4,6-Trichlorophenol	7.459	196	126289	193.93	ng	98
45) 2,4,5-Trichlorophenol	7.497	196	137654	188.98	ng	97
47) 2-Chloronaphthalene	7.636	162	429472	194.68	ng	95
48) 1,4-Dimethylnaphthalene	7.914	156	450862	187.90	ng	93
49) Dimethylnaphthalenes (...	7.914	156	450862	187.90	ng	93
50) Diphenyl Ether	7.694	170	349876	194.10	ng	88
51) 2-Nitroaniline	7.716	65	194511	241.67	ng	66
52) Acenaphthylene	7.994	152	718994	192.13	ng	99
53) Dimethylphthalate	7.866	163	507246	182.88	ng	98
54) 2,6-Dinitrotoluene	7.919	165	112092	182.11	ng	72
55) Acenaphthene	8.138	153	459283	192.46	ng	95
56) 3-Nitroaniline	8.069	138	111425	184.95	ng	71
57) 2,4-Dinitrophenol	8.160	184	67219	186.75	ng	86
58) Dibenzofuran	8.294	168	607314	183.84	ng	91
59) 2,4-Dinitrotoluene	8.277	165	155580	183.29	ng	78

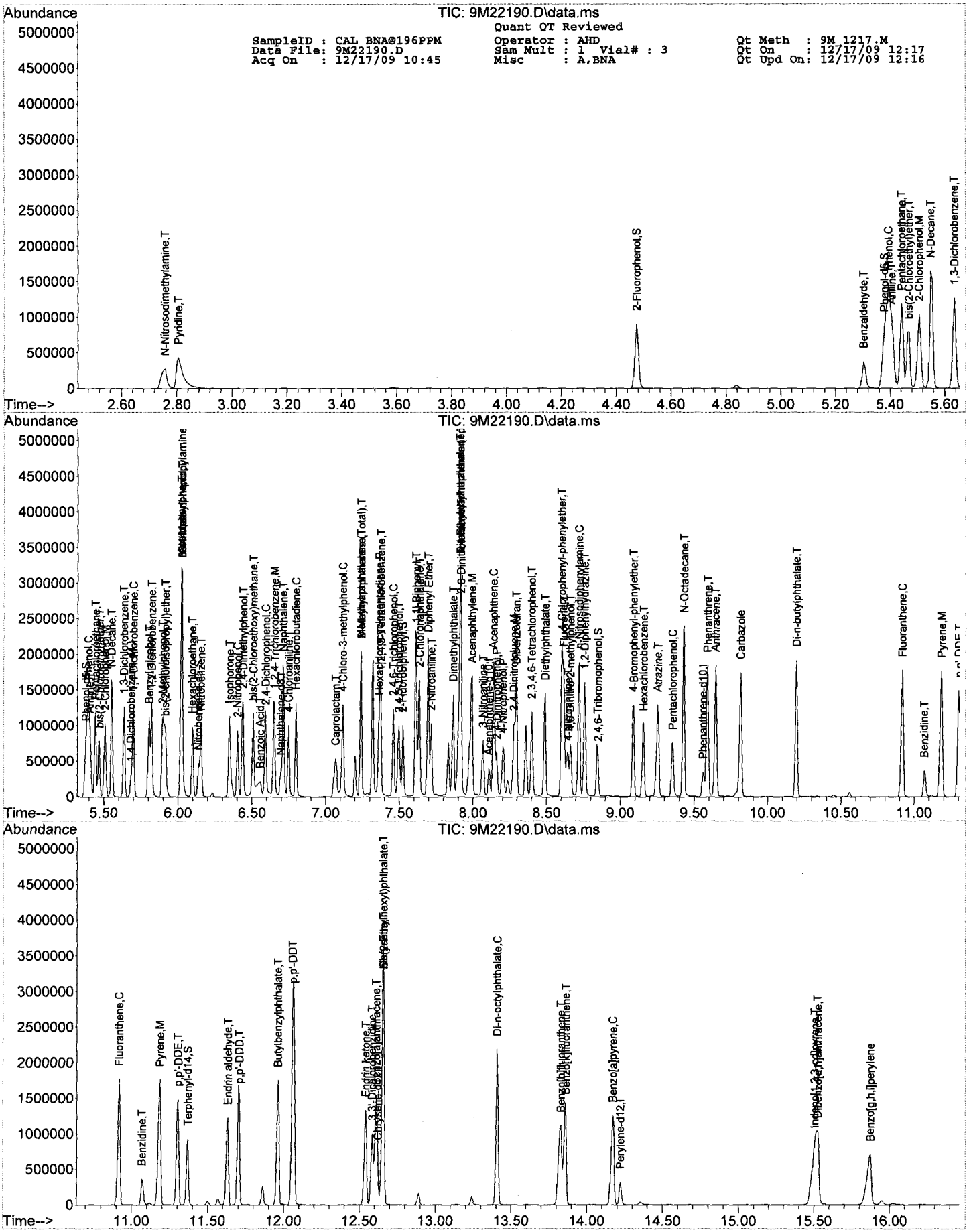
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@196PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22190.D Sam Mult : 1 Vial# : 3 Qt On : 12/17/09 12:17
Acq On : 12/17/09 10:45 Misc : A,BNA Qt Upd On: 12/17/09 12:16

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	8.203	65	103719	234.33	ng	84
61) 2,3,4,6-Tetrachlorophenol	8.400	232	107721	170.21	ng	93
62) Fluorene	8.614	166	506819	180.13	ng	100
63) 4-Chlorophenyl-phenyle...	8.604	204	220334	171.89	ng	94
64) Diethylphthalate	8.491	149	534033	176.99	ng	98
65) 4-Nitroaniline	8.647	138	138295	180.75	ng	86
66) Atrazine	9.256	200	154549	159.15	ng	98
68) 4,6-Dinitro-2-methylph...	8.663	198	86090	186.45	ng	38
69) n-Nitrosodiphenylamine	8.721	169	437744	203.05	ng	100
71) 1,2-Diphenylhydrazine	8.759	77	587879	238.95	ng	90
72) 4-Bromophenyl-phenylether	9.090	248	120229	192.45	ng	99
73) Hexachlorobenzene	9.160	284	112368	193.63	ng	78
74) N-Octadecane	9.433	57	424843	291.63	ng	82
75) Pentachlorophenol	9.358	266	74589	188.79	ng	98
76) Phenanthrene	9.593	178	721002	188.89	ng	99
77) Anthracene	9.647	178	735343	191.05	ng	100
78) Carbazole	9.818	167	726513	186.38	ng	99
79) Di-n-butylphthalate	10.198	149	973070	195.54	ng	98
80) Fluoranthene	10.920	202	767472	176.74	ng	95
82) Pyrene	11.187	202	799433	213.19	ng	91
83) Benzidine	11.069	184	138702	110.62	ng	95
85) p,p'-DDE	11.305	246	154642	199.58	ng	93
86) Endrin	11.631	81	57036	251.83	ng	86
87) p,p'-DDD	11.706	235	272560	196.57	ng	84
88) Butylbenzylphthalate	11.963	149	440695	222.61	ng	80
89) Endrin aldehyde	11.631	67	20717	302.66	ng	64
90) p,p'-DDT	12.059	235	241936	206.41	ng	90
91) Endrin ketone	12.540	317	27491	228.87	ng	98
92) 3,3'-Dichlorobenzidine	12.583	252	162563	216.63	ng	98
93) Benzo[a]anthracene	12.610	228	665290	181.91	ng	99
94) Chrysene	12.658	228	611457	180.29	ng	97
95) bis(2-Ethylhexyl)phtha...	12.658	149	593428	210.10	ng	96
97) Di-n-octylphthalate	13.407	149	1062672	235.86	ng	99
98) Benzo[b]fluoranthene	13.829	252	608746	190.37	ng	96
99) Benzo[k]fluoranthene	13.861	252	561506m	189.04	ng	
100) Benzo[a]pyrene	14.172	252	558791	187.57	ng	96
101) Indeno[1,2,3-cd]pyrene	15.503	276	566346	178.66	ng	96
102) Dibenzo[a,h]anthracene	15.525	278	467215	184.61	ng	97
103) Benzo[g,h,i]perylene	15.873	276	467819	177.29	ng	97

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


Abundance
TIC: 9M22190.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@196PPM
Data File: 9M22190.D
Acq On : 12/17/09 10:45
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/17/09 12:17
Qt Upd On: 12/17/09 12:16
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
Phenol-d6,S
Aniline,T
Pentachloroethane,T
bis(2-Chloroethyl)ether,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->

Abundance
TIC: 9M22190.D\data.ms
Caprolactam,T
2-Chloro-3-methylphenol,C
Dimethylphthalate,T
Acenaphthylene,M
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Phenanthrene,T
Anthracene,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->

Abundance
TIC: 9M22190.D\data.ms
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
Endrin aldehyde,T
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M22218.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/18/2009 9:32:00 **Method:** EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.68	40.00	40				0.000	0.00	
Pyridine	1	0		2.81	52.02	50			1.343	1.397	4.04	
N-Nitrosodimethylamine	1	0		2.74	47.26	50			0.807	0.811	5.48	
2-Fluorophenol	1	0	S	4.47	50.98	50			1.235	1.259	1.96	
Benzaldehyde	1	0		5.30	41.40	50			0.974	0.964	17.20	
Aniline	1	0		5.39	53.16	50			2.063	2.193	6.32	
Pentachloroethane	1	0		5.44	48.50	50			0.636	0.617	3.00	
bis(2-Chloroethyl)ether	1	0		5.45	49.52	50			1.354	1.341	0.96	
Phenol-d5	1	0	S	5.37	48.28	50			1.746	1.686	3.44	
Phenol	1	0	CC	5.38	50.16	50	20		1.926	1.932	0.32	
2-Chlorophenol	1	0		5.50	49.76	50			1.432	1.425	0.48	
N-Decane	1	0		5.54	49.36	50			1.724	1.702	1.28	
1,3-Dichlorobenzene	1	0		5.63	50.17	50			1.505	1.510	0.34	
1,4-Dichlorobenzene	1	0	CC	5.69	49.51	50	20		1.589	1.573	0.98	
1,2-Dichlorobenzene	1	0		5.82	49.43	50			1.463	1.446	1.14	
Benzyl alcohol	1	0		5.80	50.12	50			0.925	0.927	0.24	
bis(2-chloroisopropyl)ether	1	0		5.91	49.23	50			2.174	2.140	1.54	
2-Methylphenol	1	0		5.89	50.10	50			1.288	1.291	0.20	
Acetophenone	1	0		6.01	49.02	50			2.356	2.310	1.96	
Hexachloroethane	1	0		6.09	48.03	50			0.627	0.602	3.94	
N-Nitroso-di-n-propylamine	1	0	CP	6.01	49.45	50	0.05		1.166	1.153	1.10	
3&4-Methylphenol	1	0		6.01	50.27	50			1.378	1.385	0.54	
Naphthalene-d8	1	0	I	6.69	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	6.13	24.36	25			0.175	0.170	2.56	
Nitrobenzene	1	0		6.14	49.63	50			0.395	0.392	0.74	
Isophorone	1	0		6.33	50.29	50			0.757	0.762	0.58	
2-Nitrophenol	1	0	CC	6.39	50.18	50	20		0.189	0.190	0.36	
2,4-Dimethylphenol	1	0		6.43	49.50	50			0.380	0.376	1.00	
Benzoic Acid	1	0		6.51	51.76	50			0.211	0.234	3.52	
bis(2-Chloroethoxy)methane	1	0		6.50	49.70	50			0.433	0.431	0.60	
2,4-Dichlorophenol	1	0	CC	6.58	47.92	50	20		0.289	0.277	4.16	
1,2,4-Trichlorobenzene	1	0		6.64	47.88	50			0.323	0.310	4.24	
Naphthalene	1	0		6.70	48.85	50			1.076	1.052	2.30	
4-Chloroaniline	1	0		6.74	56.80	50			0.383	0.435	13.60	
Hexachlorobutadiene	1	0	CC	6.79	48.52	50	20		0.157	0.152	2.96	
Caprolactam	1	0		7.02	53.34	50			0.132	0.140	6.68	
4-Chloro-3-methylphenol	1	0	CC	7.11	50.29	50	20		0.324	0.326	0.58	
2-Methylnaphthalene	1	0		7.23	48.03	50			0.739	0.710	3.94	
Methylnaphthalenes	1	0		7.23	48.03	50	20			0.710	3.94	
1,1'-Biphenyl	1	0		7.60	49.15	50			1.054	1.036	1.70	
Acenaphthene-d10	1	0	I	8.10	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		7.36	48.28	50			0.626	0.604	3.44	
Hexachlorocyclopentadiene	1	0	CP	7.35	44.02	50	0.05		0.197	0.194	11.96	
2,4,6-Trichlorophenol	1	0	CC	7.45	50.78	50	20		0.337	0.343	1.56	
2,4,5-Trichlorophenol	1	0		7.49	47.66	50			0.368	0.351	4.68	
2-Fluorobiphenyl	1	0	S	7.52	23.76	25			1.385	1.316	4.96	
2-Chloronaphthalene	1	0		7.62	48.55	50			1.197	1.162	2.90	
1,4-Dimethylnaphthalene	1	0		7.90	48.75	50			1.289	1.257	2.50	
Dimethylnaphthalenes	1	0		7.90	48.75	50	20			1.257	2.50	
Diphenyl Ether	1	0		7.69	49.55	50			0.972	0.964	0.90	
2-Nitroaniline	1	0		7.71	49.51	50			0.526	0.521	0.98	
Acenaphthylene	1	0		7.98	47.87	50			2.027	1.941	4.26	
Dimethylphthalate	1	0		7.85	49.12	50			1.397	1.372	1.76	
2,6-Dinitrotoluene	1	0		7.91	50.09	50			0.311	0.312	0.18	
Acenaphthene	1	0	CC	8.13	48.90	50	20		1.279	1.251	2.20	
3-Nitroaniline	1	0		8.05	52.88	50			0.325	0.344	5.76	
2,4-Dinitrophenol	1	0	CP	8.15	52.35	50	0.05		0.142	0.145	4.70	
Dibenzofuran	1	0		8.29	48.53	50			1.699	1.649	2.94	
2,4-Dinitrotoluene	1	0		8.26	49.73	50			0.426	0.424	0.54	
4-Nitrophenol	1	0	CP	8.19	49.73	50	0.05		0.275	0.274	0.54	
2,3,4,6-Tetrachlorophenol	1	0		8.40	50.75	50			0.276	0.281	1.50	
Fluorene	1	0		8.60	49.17	50			1.414	1.391	1.66	
4-Chlorophenyl-phenylether	1	0		8.60	47.80	50			0.618	0.591	4.40	
Diethylphthalate	1	0		8.48	47.68	50			1.525	1.454	4.64	
4-Nitroaniline	1	0		8.62	50.18	50			0.379	0.380	0.36	
Atrazine	1	0		9.25	47.46	50			0.441	0.418	5.08	
Phenanthrene-d10	1	0	I	9.56	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		8.65	51.57	50			0.125	0.129	3.14	
n-Nitrosodiphenylamine	1	0	CC	8.71	49.14	50	20		0.740	0.727	1.72	
2,4,6-Tribromophenol	1	0	S	8.84	50.80	50			0.077	0.078	1.60	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 9M22218.D **Instrument:** GCMS 9

Cont Calibration Date/Time 12/18/2009 9:32:00 **Method:** EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Diphenylhydrazine	1	0		8.75	49.60	50			0.988	0.981	0.80	
4-Bromophenyl-phenylether	1	0		9.09	49.12	50			0.193	0.190	1.76	
Hexachlorobenzene	1	0		9.15	50.36	50			0.189	0.190	0.72	
N-Octadecane	1	0		9.42	51.49	50			0.685	0.705	2.98	
Pentachlorophenol	1	0	CC	9.35	51.65	50	20		0.101	0.101	3.30	
Phenanthrene	1	0		9.58	49.08	50			1.221	1.199	1.84	
Anthracene	1	0		9.64	47.51	50			1.271	1.208	4.98	
Carbazole	1	0		9.81	47.82	50			1.238	1.184	4.36	
Di-n-butylphthalate	1	0		10.19	48.02	50			1.624	1.560	3.96	
Fluoranthene	1	0	CC	10.91	47.79	50	20		1.273	1.217	4.42	
Chrysene-d12	1	0	I	12.61	40.00	40				0.000	0.00	
Pyrene	1	0		11.18	49.90	50			1.697	1.694	0.20	
Benzidine	1	0		11.07	41.62	50			0.521	0.512	16.76	
Terphenyl-d14	1	0	S	11.36	24.98	25			1.069	1.068	0.08	
p,p'-DDE	1	0		11.30	52.78				0.318			
Endrin	1	0		11.63	49.99	50			0.121	0.121	0.02	
p,p'-DDD	1	0		11.70	49.57				0.576			
Butylbenzylphthalate	1	0		11.96	48.06	50			0.929	0.893	3.88	
Endrin aldehyde	1	0		11.62	51.64				0.042			
p,p'-DDT	1	0		12.05	52.49				0.504			
Endrin ketone	1	0		12.53	51.88				0.059			
3,3'-Dichlorobenzidine	1	0		12.57	49.09	50			0.410	0.423	1.82	
Benzo[a]anthracene	1	0		12.60	49.82	50			1.448	1.443	0.36	
Chrysene	1	0		12.64	49.50	50			1.360	1.347	1.00	
bis(2-Ethylhexyl)phthalate	1	0		12.65	49.02	50			1.319	1.294	1.96	
Perylene-d12	1	0	I	14.22	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	13.40	47.95	50	20		2.199	2.109	4.10	
Benzo[b]fluoranthene	1	0		13.81	49.63	50			1.329	1.319	0.74	
Benzo[k]fluoranthene	1	0		13.85	48.75	50			1.240	1.208	2.50	
Benzo[a]pyrene	1	0	CC	14.16	49.93	50	20		1.235	1.233	0.14	
Indeno[1,2,3-cd]pyrene	1	0		15.48	48.55	50			1.247	1.211	2.90	
Dibenzo[a,h]anthracene	1	0		15.50	49.57	50			1.021	1.012	0.86	
Benzo[g,h,i]perylene	1	0		15.85	48.92	50			1.032	1.010	2.16	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.289	0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.739	0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22218.D Sam Mult : 1 Vial# : 2 Qt On : 12/18/09 09:54
Acq On : 12/18/09 09:32 Misc : A,BNA Qt Upd On: 12/17/09 14:19

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.678	152	38251	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	152474	40.00	ng	0.00
41) Acenaphthene-d10	8.101	164	85630	40.00	ng	0.00
67) Phenanthrene-d10	9.556	188	139343	40.00	ng	0.00
81) Chrysene-d12	12.610	240	107528	40.00	ng	0.00
96) Perylene-d12	14.220	264	108198	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.469	112	60212	50.98	ng	0.00
Spiked Amount 100.000			Recovery = 50.98%			
9) Phenol-d5	5.368	99	80591	48.28	ng	0.00
Spiked Amount 100.000			Recovery = 48.28%			
24) Nitrobenzene-d5	6.127	128	16202	24.36	ng	0.00
Spiked Amount 50.000			Recovery = 48.72%			
46) 2-Fluorobiphenyl	7.518	172	70427	23.76	ng	0.00
Spiked Amount 50.000			Recovery = 47.52%			
70) 2,4,6-Tribromophenol	8.839	330	13625	50.80	ng	0.00
Spiked Amount 100.000			Recovery = 50.80%			
84) Terphenyl-d14	11.364	244	71784	24.98	ng	0.00
Spiked Amount 50.000			Recovery = 49.96%			
Target Compounds						Qvalue
2) Pyridine	2.806	79	66797	52.02	ng	82
3) N-Nitrosodimethylamine	2.742	74	38757	47.26	ng	90
5) Benzaldehyde	5.298	77	46073	41.40	ng	83
6) Aniline	5.395	93	104852	53.16	ng	57
7) Pentachloroethane	5.437	117	29493	48.50	ng	82
8) bis(2-Chloroethyl)ether	5.453	93	64137	49.52	ng	84
10) Phenol	5.378	94	92396	50.16	ng	92
11) 2-Chlorophenol	5.496	128	68149	49.76	ng	87
12) N-Decane	5.544	57	81366	49.36	ng	85
13) 1,3-Dichlorobenzene	5.630	146	72179	50.17	ng	97
14) 1,4-Dichlorobenzene	5.694	146	75232	49.51	ng	98
15) 1,2-Dichlorobenzene	5.817	146	69147	49.43	ng	98
16) Benzyl alcohol	5.796	108	44344	50.12	ng	81
17) bis(2-chloroisopropyl)...	5.908	45	102322	49.23	ng	84
18) 2-Methylphenol	5.887	108	61725	50.10	ng	99
19) Acetophenone	6.010	105	110440	49.02	ng	80
20) Hexachloroethane	6.090	117	28793	48.03	ng	98
21) N-Nitroso-di-n-propyla...	6.010	70	55111	49.45	ng	93
22) 3&4-Methylphenol	6.015	108	66226	50.27	ng	98
25) Nitrobenzene	6.143	77	74787	49.63	ng	86
26) Isophorone	6.331	82	145182	50.29	ng	91
27) 2-Nitrophenol	6.395	139	36212	50.18	ng	91
28) 2,4-Dimethylphenol	6.427	107	71721	49.50	ng	95
29) Benzoic Acid	6.507	105	44613m	51.76	ng	
30) bis(2-Chloroethoxy)met...	6.496	93	82103	49.70	ng	98
31) 2,4-Dichlorophenol	6.582	162	52766	47.92	ng	88
32) 1,2,4-Trichlorobenzene	6.641	180	59041	47.88	ng	98
33) Naphthalene	6.705	128	200462	48.85	ng	100
34) 4-Chloroaniline	6.742	127	82867	56.80	ng	99
35) Hexachlorobutadiene	6.791	225	29054	48.52	ng	94
36) Caprolactam	7.021	113	26771	53.34	ng	67
37) 4-Chloro-3-methylphenol	7.106	107	62151	50.29	ng	86
38) 2-Methylnaphthalene	7.234	142	135326	48.03	ng	97
39) Methylnaphthalenes (To...	7.234	142	135326	48.03	ng	97
40) 1,1'-Biphenyl	7.604	154	197372	49.15	ng	93
42) 1,2,4,5-Tetrachloroben...	7.363	216	64662	48.28	ng	97
43) Hexachlorocyclopentadiene	7.352	237	20776	44.02	ng	98
44) 2,4,6-Trichlorophenol	7.454	196	36675	50.78	ng	97
45) 2,4,5-Trichlorophenol	7.486	196	37529	47.66	ng	98
47) 2-Chloronaphthalene	7.625	162	124392	48.55	ng	96
48) 1,4-Dimethylnaphthalene	7.903	156	134515	48.75	ng	92
49) Dimethylnaphthalenes (...	7.903	156	134515	48.75	ng	92
50) Diphenyl Ether	7.689	170	103149	49.55	ng	82
51) 2-Nitroaniline	7.705	65	55739	49.51	ng	71
52) Acenaphthylene	7.978	152	207745	47.87	ng	99
53) Dimethylphthalate	7.850	163	146907	49.12	ng	98
54) 2,6-Dinitrotoluene	7.908	165	33394	50.09	ng	69
55) Acenaphthene	8.133	153	133857	48.90	ng	92
56) 3-Nitroaniline	8.053	138	36788	52.88	ng	67
57) 2,4-Dinitrophenol	8.149	184	15517	52.35	ng	83
58) Dibenzofuran	8.288	168	176517	48.53	ng	91
59) 2,4-Dinitrotoluene	8.261	165	45335	49.73	ng	75

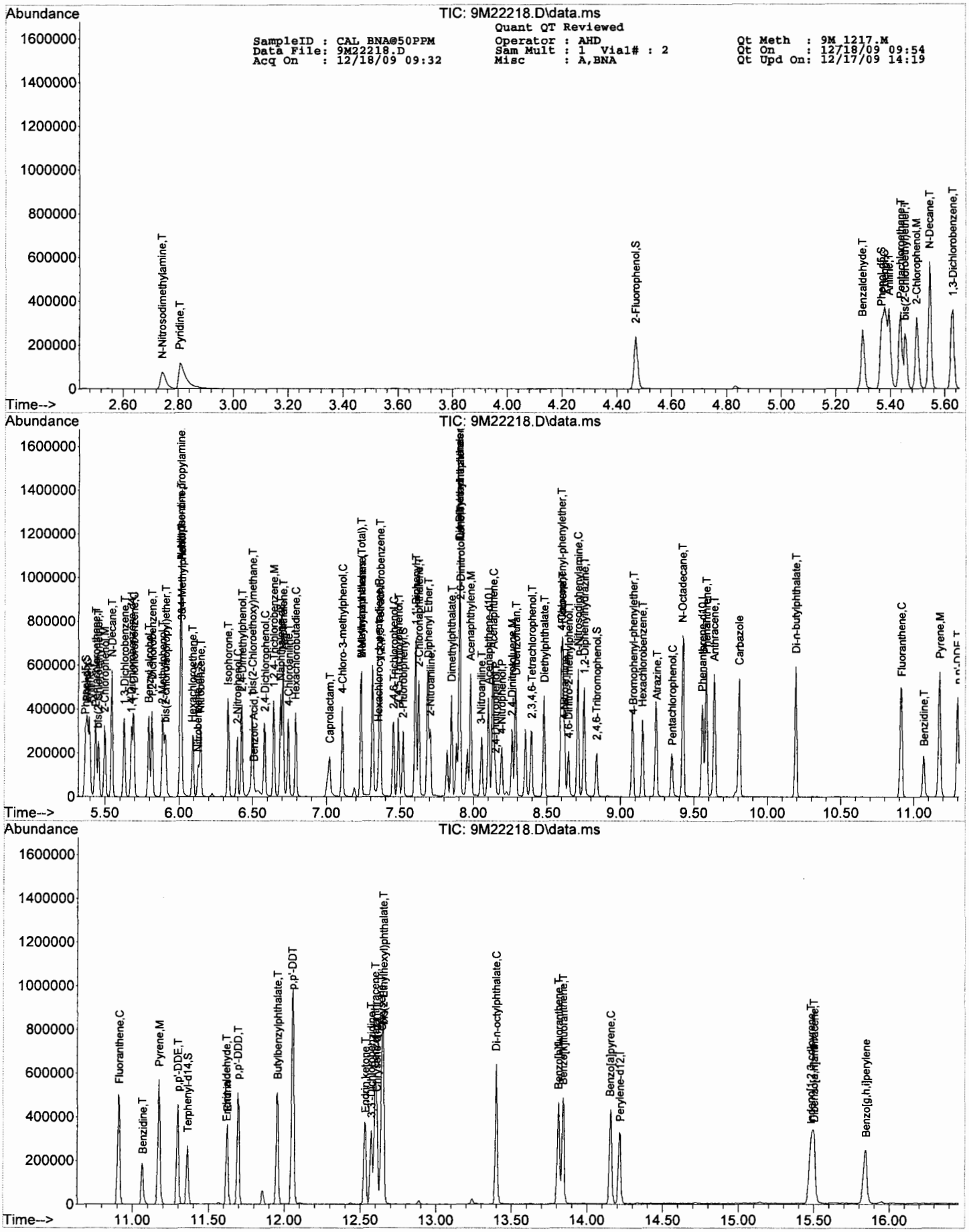
Quantitation Report (QT Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22218.D Sam Mult : 1 Vial# : 2 Qt On : 12/18/09 09:54
Acq On : 12/18/09 09:32 Misc : A,BNA Qt Upd On: 12/17/09 14:19

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
60) 4-Nitrophenol	8.192	65	29323	49.73 ng	80
61) 2,3,4,6-Tetrachlorophenol	8.395	232	30025	50.75 ng	95
62) Fluorene	8.604	166	148882	49.17 ng	100
63) 4-Chlorophenyl-phenyle...	8.598	204	63290	47.80 ng	94
64) Diethylphthalate	8.481	149	155625	47.68 ng	99
65) 4-Nitroaniline	8.620	138	40674	50.18 ng	87
66) Atrazine	9.246	200	44795	47.46 ng	96
68) 4,6-Dinitro-2-methylph...	8.646	198	22460	51.57 ng	32
69) n-Nitrosodiphenylamine	8.711	169	126689	49.14 ng	99
71) 1,2-Diphenylhydrazine	8.753	77	170806	49.60 ng	89
72) 4-Bromophenyl-phenylether	9.085	248	33073	49.12 ng	94
73) Hexachlorobenzene	9.149	284	33092	50.36 ng	83
74) N-Octadecane	9.422	57	122784	51.49 ng	87
75) Pentachlorophenol	9.353	266	17534	51.65 ng	98
76) Phenanthrene	9.583	178	208759	49.08 ng	98
77) Anthracene	9.636	178	210341	47.51 ng	99
78) Carbazole	9.807	167	206259	47.82 ng	99
79) Di-n-butylphthalate	10.192	149	271684	48.02 ng	98
80) Fluoranthene	10.914	202	211975	47.79 ng	91
82) Pyrene	11.176	202	227689	49.90 ng	92
83) Benzidine	11.069	184	68820	41.62 ng	86
85) p,p'-DDE	11.299	246	45190	52.78 ng	90
86) Endrin	11.626	81	16230	49.99 ng	88
87) p,p'-DDD	11.695	235	76707	49.57 ng	83
88) Butylbenzylphthalate	11.957	149	120009	48.06 ng	80
89) Endrin aldehyde	11.620	67	5832	51.64 ng	63
90) p,p'-DDT	12.054	235	71120	52.49 ng	88
91) Endrin ketone	12.535	317	8182	51.88 ng	98
92) 3,3'-Dichlorobenzidine	12.572	252	56892	49.09 ng	97
93) Benzo[a]anthracene	12.599	228	193973	49.82 ng	98
94) Chrysene	12.642	228	181018	49.50 ng	99
95) bis(2-Ethylhexyl)phtha...	12.653	149	173882	49.02 ng	97
97) Di-n-octylphthalate	13.401	149	285226	47.95 ng	99
98) Benzo[b]fluoranthene	13.813	252	178412	49.63 ng	99
99) Benzo[k]fluoranthene	13.845	252	163440	48.75 ng	97
100) Benzo[a]pyrene	14.156	252	166767	49.93 ng	96
101) Indeno[1,2,3-cd]pyrene	15.482	276	163794	48.55 ng	81
102) Dibenzo[a,h]anthracene	15.503	278	136915	49.57 ng	95
103) Benzo[g,h,i]perylene	15.846	276	136607	48.92 ng	97

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


Abundance
TIC: 9M22218.D\data.ms
Quant QT Reviewed
SampleID : CAL BNA@50PPM
Data File: 9M22218.D
Acq On : 12/18/09 09:32
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 9M_1217.M
Qt On : 12/18/09 09:54
Qt Upd On: 12/17/09 14:19
N-Nitrosodimethylamine,T
Pyridine,T
2-Fluorophenol,S
Benzaldehyde,T
2-Chlorophenol,M
N-Decane,T
1,3-Dichlorobenzene,T
Time-->
Caprolactam,T
4-Chloro-3-methylphenol,C
Isophorone,T
2-Nitrophenol,T
2,4-Dichlorophenol,C
Hexachlorobutadiene,C
Dimethylphthalate,T
Acenaphthylene,M
2,6-Dinitrotoluene,T
Diethylphthalate,T
2,3,4,6-Tetrachlorophenol,T
4-Bromophenyl-phenylether,T
Hexachlorobenzene,T
Atrazine,T
Pentachlorophenol,C
N-Octadecane,T
Carbazole
Di-n-butylphthalate,T
Fluoranthene,C
Benzidine,T
Pyrene,M
Time-->
Fluoranthene,C
Benzidine,T
Pyrene,M
p,p'-DDE,T
Terphenyl-d14,S
p,p'-DDD,T
Butylbenzylphthalate,T
p,p'-DDT
Di-n-octylphthalate,C
Benzo[a]pyrene,C
Perylene-d12,I
Benzo[g,h,i]perylene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M09120.D **Instrument:** GCMS 10

Cont Calibration Date/Time 12/18/2009 12:39:00 **Method:** EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,4-Dichlorobenzene-d4	1	0	I	5.08	40.00	40				0.000	0.00	
Pyridine	1	0		1.93	52.27	50			1.257	1.314	4.54	
N-Nitrosodimethylamine	1	0		1.89	53.11	50			0.710	0.755	6.22	
2-Fluorophenol	1	0	S	3.79	51.22	50			1.113	1.140	2.44	
Benzaldehyde	1	0		4.69	40.26	50			1.137	0.868	19.48	
Aniline	1	0		4.79	61.06	50			1.613	2.016	22.12	
Pentachloroethane	1	0		4.83	48.77	50			0.590	0.575	2.46	
bis(2-Chloroethyl)ether	1	0		4.87	51.22	50			1.166	1.194	2.44	
Phenol-d5	1	0	S	4.79	52.99	50			1.614	1.711	5.98	
Phenol	1	0	CC	4.81	50.96	50	20		1.790	1.824	1.92	
2-Chlorophenol	1	0		4.90	51.12	50			1.358	1.389	2.24	
N-Decane	1	0		4.96	47.46	50			1.239	1.176	5.08	
1,3-Dichlorobenzene	1	0		5.03	48.95	50			1.494	1.463	2.10	
1,4-Dichlorobenzene	1	0	CC	5.10	49.08	50	20		1.559	1.530	1.84	
1,2-Dichlorobenzene	1	0		5.22	48.69	50			1.475	1.437	2.62	
Benzyl alcohol	1	0		5.22	50.96	50			0.863	0.880	1.92	
bis(2-chloroisopropyl)ether	1	0		5.33	50.01	50			1.203	1.203	0.02	
2-Methylphenol	1	0		5.33	49.95	50			1.246	1.245	0.10	
Acetophenone	1	0		5.44	51.08	50			2.263	2.312	2.16	
Hexachloroethane	1	0		5.50	49.43	50			0.581	0.574	1.14	
N-Nitroso-di-n-propylamine	1	0	CP	5.44	51.59	50	0.05		1.032	1.065	3.18	
3&4-Methylphenol	1	0		5.46	52.47	50			1.311	1.376	4.94	
Naphthalene-d8	1	0	I	6.11	40.00	40				0.000	0.00	
Nitrobenzene-d5	1	0	S	5.55	24.63	25			0.166	0.163	1.48	
Nitrobenzene	1	0		5.57	49.45	50			0.369	0.365	1.10	
Isophorone	1	0		5.76	50.73	50			0.677	0.687	1.46	
2-Nitrophenol	1	0	CC	5.82	50.87	50	20		0.198	0.201	1.74	
2,4-Dimethylphenol	1	0		5.87	50.28	50			0.368	0.370	0.56	
Benzoic Acid	1	0		5.98	39.00	50			0.233	0.178	22.00	
bis(2-Chloroethoxy)methane	1	0		5.94	48.88	50			0.392	0.384	2.24	
2,4-Dichlorophenol	1	0	CC	6.01	49.63	50	20		0.312	0.310	0.74	
1,2,4-Trichlorobenzene	1	0		6.07	48.50	50			0.361	0.350	3.00	
Naphthalene	1	0		6.13	47.97	50			1.084	1.040	4.06	
4-Chloroaniline	1	0		6.17	61.60	50			0.318	0.438	23.20	
Hexachlorobutadiene	1	0	CC	6.22	48.01	50	20		0.210	0.201	3.98	
Caprolactam	1	0		6.46	54.05	50			0.127	0.137	8.10	
4-Chloro-3-methylphenol	1	0	CC	6.55	51.14	50	20		0.329	0.337	2.28	
2-Methylnaphthalene	1	0		6.64	49.57	50			0.755	0.749	0.86	
Methylnaphthalenes	1	0		6.64	49.57	50	20			0.749	0.86	
1,1'-Biphenyl	1	0		6.98	49.89	50			1.107	1.105	0.22	
Acenaphthene-d10	1	0	I	7.44	40.00	40				0.000	0.00	
1,2,4,5-Tetrachlorobenzene	1	0		6.76	47.38	50			0.757	0.717	5.24	
Hexachlorocyclopentadiene	1	0	CP	6.75	53.29	50	0.05		0.085	0.072	6.58	
2,4,6-Trichlorophenol	1	0	CC	6.85	50.05	50	20		0.376	0.376	0.10	
2,4,5-Trichlorophenol	1	0		6.89	49.82	50			0.408	0.407	0.36	
2-Fluorobiphenyl	1	0	S	6.91	23.62	25			1.377	1.302	5.52	
2-Chloronaphthalene	1	0		7.00	45.88	50			1.192	1.094	8.24	
1,4-Dimethylnaphthalene	1	0		7.26	46.51	50			1.295	1.205	6.98	
Dimethylnaphthalenes	1	0		7.26	46.51	50	20			1.205	6.98	
Diphenyl Ether	1	0		7.06	47.62	50			1.000	0.952	4.76	
2-Nitroaniline	1	0		7.08	45.05	50			0.362	0.326	9.90	
Acenaphthylene	1	0		7.32	47.73	50			1.981	1.891	4.54	
Dimethylphthalate	1	0		7.23	48.25	50			1.411	1.362	3.50	
2,6-Dinitrotoluene	1	0		7.28	48.89	50			0.325	0.318	2.22	
Acenaphthene	1	0	CC	7.46	47.71	50	20		1.263	1.205	4.58	
3-Nitroaniline	1	0		7.42	61.64	50			0.276	0.341	23.28	
2,4-Dinitrophenol	1	0	CP	7.52	57.75	50	0.05		0.129	0.140	15.50	
Dibenzofuran	1	0		7.61	47.59	50			1.780	1.694	4.82	
2,4-Dinitrotoluene	1	0		7.62	51.45	50			0.429	0.441	2.90	
4-Nitrophenol	1	0	CP	7.57	50.42	50	0.05		0.176	0.178	0.84	
2,3,4,6-Tetrachlorophenol	1	0		7.72	51.65	50			0.338	0.349	3.30	
Fluorene	1	0		7.91	49.81	50			1.484	1.478	0.38	
4-Chlorophenyl-phenylether	1	0		7.91	49.00	50			0.740	0.725	2.00	
Diethylphthalate	1	0		7.82	49.24	50			1.427	1.405	1.52	
4-Nitroaniline	1	0		7.95	51.35	50			0.333	0.342	2.70	
Atrazine	1	0		8.54	49.11	50			0.490	0.481	1.78	
Phenanthrene-d10	1	0	I	8.81	40.00	40				0.000	0.00	
4,6-Dinitro-2-methylphenol	1	0		7.98	51.48	50			0.136	0.137	2.96	
n-Nitrosodiphenylamine	1	0	CC	8.02	48.10	50	20		0.729	0.701	3.80	
2,4,6-Tribromophenol	1	0	S	8.13	51.43	50			0.116	0.119	2.86	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL BNA@50PPM **Data File:** 10M09120.D **Instrument:** GCMS 10

Cont Calibration Date/Time 12/18/2009 12:39:00 **Method:** EPA 8270C

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2-Diphenylhydrazine	1	0		8.06	48.65	50			0.760	0.740	2.70	
4-Bromophenyl-phenylether	1	0		8.36	49.03	50			0.254	0.249	1.94	
Hexachlorobenzene	1	0		8.42	49.10	50			0.267	0.262	1.80	
N-Octadecane	1	0		8.72	46.90	50			0.451	0.423	6.20	
Pentachlorophenol	1	0	CC	8.63	55.39	50	20		0.099	0.106	10.78	
Phenanthrene	1	0		8.83	47.80	50			1.219	1.165	4.40	
Anthracene	1	0		8.89	48.45	50			1.242	1.204	3.10	
Carbazole	1	0		9.06	50.35	50			1.168	1.176	0.70	
Di-n-butylphthalate	1	0		9.45	50.67	50			1.399	1.418	1.34	
Fluoranthene	1	0	CC	10.12	50.43	50	20		1.357	1.368	0.86	
Chrysene-d12	1	0	I	11.80	40.00	40				0.000	0.00	
Pyrene	1	0		10.37	48.04	50			1.527	1.467	3.92	
Benzidine	1	0		10.29	41.13	50			0.396	0.352	17.74	
Terphenyl-d14	1	0	S	10.58	23.51	25			1.131	1.064	5.96	
4,4'-DDE	1	0		10.52	46.22				0.358			
Endrin	1	0		10.81	44.59	50			0.068	0.061	10.82	
4,4'-DDD	1	0		10.91	47.63				0.575			
Butylbenzylphthalate	1	0		11.18	47.70	50			0.658	0.628	4.60	
Endrin aldehyde	1	0		10.81	42.25				0.029			
4,4'-DDT	1	0		11.26	49.15				0.497			
Endrin ketone	1	0		11.71	48.04				0.074			
3,3'-Dichlorobenzidine	1	0		11.78	64.06	50			0.353	0.457	28.12	
Benzo[a]anthracene	1	0		11.79	49.16	50			1.472	1.447	1.68	
Chrysene	1	0		11.83	47.71	50			1.393	1.329	4.58	
bis(2-Ethylhexyl)phthalate	1	0		11.89	48.96	50			0.911	0.892	2.08	
Perylene-d12	1	0	I	13.38	40.00	40				0.000	0.00	
Di-n-octylphthalate	1	0	CC	12.63	49.42	50	20		1.440	1.423	1.16	
Benzo[b]fluoranthene	1	0		12.99	51.97	50			1.245	1.294	3.94	
Benzo[k]fluoranthene	1	0		13.03	47.25	50			1.274	1.204	5.50	
Benzo[a]pyrene	1	0	CC	13.33	49.82	50	20		1.200	1.196	0.36	
Indeno[1,2,3-cd]pyrene	1	0		14.43	46.06	50			1.305	1.203	7.88	
Dibenzo[a,h]anthracene	1	0		14.44	46.41	50			1.085	1.007	7.18	
Benzo[g,h,i]perylene	1	0		14.70	43.63	50			1.093	0.954	12.74	
2,4 Diaminotoluene	1	100		0.00	0.00	50				0.000	100.00	
2,2'-oxybis-(1-Chloropropane)	1	100		0.00	0.00	50				0.000	100.00	
4-Methylphenol	1	100		0.00	0.00	50				0.000	100.00	
Dimethylnaphthalenes (Total)	1	100		0.00	0.00	50			1.295	0.000	100.00	
gamma-BHC	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor	1	100		0.00	0.00	10				0.000	100.00	
Heptachlor epoxide	1	100		0.00	0.00	10				0.000	100.00	
Methoxychlor	1	100		0.00	0.00	10				0.000	100.00	
Methylnaphthalenes (Total)	1	100		0.00	0.00	50			0.755	0.000	100.00	
Toluene Diisocyanate	1	100		0.00	0.00	50				0.000	100.00	
Diaminotoluene Dihydrochloride	1	100		0.00	0.00	50				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F.

624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.

524.2 limits are compared against the %DIFF

Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09120.D Sam Mult : 1 Vial# : 2 Qt On : 12/18/09 12:52
Acq On : 12/18/09 12:39 Misc : A,BNA Qt Upd On: 12/14/09 15:26

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.084	152	58049	40.00	ng	-0.14
23) Naphthalene-d8	6.110	136	230862	40.00	ng	-0.13
41) Acenaphthene-d10	7.437	164	147759	40.00	ng	-0.16
67) Phenanthrene-d10	8.806	188	263155	40.00	ng	-0.17
81) Chrysene-d12	11.801	240	268580	40.00	ng	-0.18
96) Perylene-d12	13.385	264	287317	40.00	ng	-0.19
System Monitoring Compounds						
4) 2-Fluorophenol	3.789	112	82730	51.22	ng	-0.18
Spiked Amount 100.000			Recovery = 51.22%			
9) Phenol-d5	4.795	99	124158	52.99	ng	-0.14
Spiked Amount 100.000			Recovery = 52.99%			
24) Nitrobenzene-d5	5.554	128	23535	24.63	ng	-0.14
Spiked Amount 50.000			Recovery = 49.26%			
46) 2-Fluorobiphenyl	6.907	172	120201	23.62	ng	-0.14
Spiked Amount 50.000			Recovery = 47.24%			
70) 2,4,6-Tribromophenol	8.132	330	39220	51.43	ng	-0.16
Spiked Amount 100.000			Recovery = 51.43%			
84) Terphenyl-d14	10.582	244	178536	23.51	ng	-0.18
Spiked Amount 50.000			Recovery = 47.02%			
Target Compounds						Qvalue
2) Pyridine	1.928	79	95360	52.27	ng	63
3) N-Nitrosodimethylamine	1.890	74	54758	53.11	ng	76
5) Benzaldehyde	4.693	77	63019	40.26	ng	79
6) Aniline	4.795	93	146274	61.06	ng	76
7) Pentachloroethane	4.827	117	41736	48.77	ng	74
8) bis(2-Chloroethyl)ether	4.870	93	86647	51.22	ng	79
10) Phenol	4.811	94	132367	50.96	ng	93
11) 2-Chlorophenol	4.902	128	100776	51.12	ng	77
12) N-Decane	4.961	57	85330	47.46	ng	71
13) 1,3-Dichlorobenzene	5.030	146	106128	48.95	ng	97
14) 1,4-Dichlorobenzene	5.100	146	111033	49.08	ng	96
15) 1,2-Dichlorobenzene	5.223	146	104251	48.69	ng	98
16) Benzyl alcohol	5.223	108	63820	50.96	ng	82
17) bis(2-chloroisopropyl)...	5.335	45	87316	50.01	ng	69
18) 2-Methylphenol	5.330	108	90306	49.95	ng	97
19) Acetophenone	5.437	105	167792	51.08	ng	59
20) Hexachloroethane	5.501	117	41659	49.43	ng	65
21) N-Nitroso-di-n-propyla...	5.442	70	77269	51.59	ng	68
22) 3&4-Methylphenol	5.458	108	99830	52.47	ng	94
25) Nitrobenzene	5.570	77	105334	49.45	ng	80
26) Isophorone	5.763	82	198164	50.73	ng	88
27) 2-Nitrophenol	5.822	139	58107	50.87	ng	93
28) 2,4-Dimethylphenol	5.870	107	106826	50.28	ng	97
29) Benzoic Acid	5.977	105	51450	39.00	ng	91
30) bis(2-Chloroethoxy)met...	5.939	93	110696	48.88	ng	99
31) 2,4-Dichlorophenol	6.014	162	89509	49.63	ng	89
32) 1,2,4-Trichlorobenzene	6.068	180	101131	48.50	ng	96
33) Naphthalene	6.127	128	300166	47.97	ng	97
34) 4-Chloroaniline	6.175	127	126256	61.60	ng	97
35) Hexachlorobutadiene	6.217	225	58060	48.01	ng	99
36) Caprolactam	6.458	113	39647	54.05	ng	53
37) 4-Chloro-3-methylphenol	6.549	107	97128	51.14	ng	82
38) 2-Methylnaphthalene	6.640	142	216130	49.57	ng	98
39) Methylnaphthalenes (To...	6.640	142	216130	49.57	ng	98
40) 1,1'-Biphenyl	6.982	154	318821	49.89	ng	92
42) 1,2,4,5-Tetrachloroben...	6.763	216	132496	47.38	ng	98
43) Hexachlorocyclopentadiene	6.752	237	13337	53.29	ng	93
44) 2,4,6-Trichlorophenol	6.854	196	69524	50.05	ng	99
45) 2,4,5-Trichlorophenol	6.886	196	75124	49.82	ng	96
47) 2-Chloronaphthalene	6.998	162	202059	45.88	ng	94
48) 1,4-Dimethylnaphthalene	7.255	156	222543	46.51	ng	89
49) Dimethylnaphthalenes (...	7.255	156	222543	46.51	ng	89
50) Diphenyl Ether	7.063	170	175805	47.62	ng	78
51) 2-Nitroaniline	7.084	65	60199	45.05	ng	64
52) Acenaphthylene	7.325	152	349325	47.73	ng	97
53) Dimethylphthalate	7.228	163	251528	48.25	ng	98
54) 2,6-Dinitrotoluene	7.282	165	58711	48.89	ng	53
55) Acenaphthene	7.464	153	222533	47.71	ng	95
56) 3-Nitroaniline	7.416	138	62891	61.64	ng	74
57) 2,4-Dinitrophenol	7.517	184	25857	57.75	ng	84
58) Dibenzofuran	7.613	168	312888	47.59	ng	82
59) 2,4-Dinitrotoluene	7.619	165	81514	51.45	ng	62

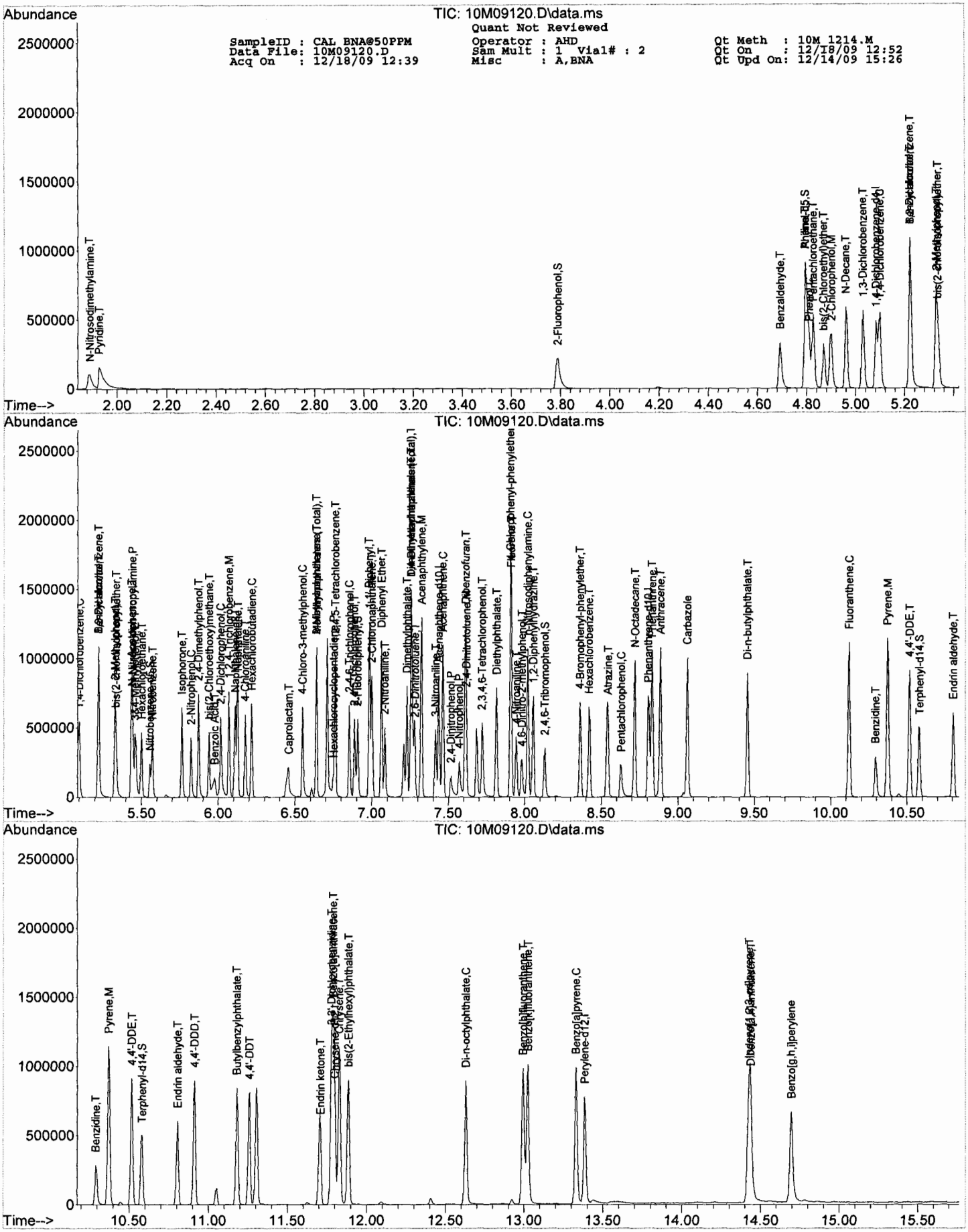
Quantitation Report (Not Reviewed)

SampleID : CAL BNA@50PPM Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09120.D Sam Mult : 1 Vial# : 2 Qt On : 12/18/09 12:52
Acq On : 12/18/09 12:39 Misc : A,BNA Qt Upd On: 12/14/09 15:26

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Nitrophenol	7.571	65	32859	50.42	ng	82
61) 2,3,4,6-Tetrachlorophenol	7.720	232	64406	51.65	ng	82
62) Fluorene	7.913	166	273075	49.81	ng	99
63) 4-Chlorophenyl-phenyle...	7.908	204	133942	49.00	ng	83
64) Diethylphthalate	7.817	149	259483	49.24	ng	98
65) 4-Nitroaniline	7.945	138	63146	51.35	ng	84
66) Atrazine	8.544	200	88814	49.11	ng	94
68) 4,6-Dinitro-2-methylph...	7.982	198	45201	51.48	ng	71
69) n-Nitrosodiphenylamine	8.020	169	230545	48.10	ng	99
71) 1,2-Diphenylhydrazine	8.057	77	243368	48.65	ng	78
72) 4-Bromophenyl-phenylether	8.362	248	81910	49.03	ng	85
73) Hexachlorobenzene	8.421	284	86140	49.10	ng	66
74) N-Octadecane	8.721	57	139287	46.90	ng	63
75) Pentachlorophenol	8.630	266	34957	55.39	ng	97
76) Phenanthrene	8.833	178	383293	47.80	ng	99
77) Anthracene	8.886	178	395951	48.45	ng	99
78) Carbazole	9.063	167	386861	50.35	ng	95
79) Di-n-butylphthalate	9.453	149	466412	50.67	ng	97
80) Fluoranthene	10.122	202	450087	50.43	ng	86
82) Pyrene	10.373	202	492535	48.04	ng	85
83) Benzidine	10.293	184	118158	41.13	ng	85
85) 4,4'-DDE	10.518	246	111248	46.22	ng	95
86) Endrin	10.807	81	20360	44.59	ng	37
87) 4,4'-DDD	10.914	235	183787	47.63	ng	96
88) Butylbenzylphthalate	11.181	149	210818	47.70	ng	72
89) Endrin aldehyde	10.807	67	8127	42.25	ng	83
90) 4,4'-DDT	11.261	235	163912	49.15	ng	95
91) Endrin ketone	11.711	317	23874	48.04	ng	99
92) 3,3'-Dichlorobenzidine	11.780	252	153590	64.06	ng	95
93) Benzo[a]anthracene	11.791	228	485923	49.16	ng	100
94) Chrysene	11.828	228	446155	47.71	ng	98
95) bis(2-Ethylhexyl)phtha...	11.887	149	299507	48.96	ng	93
97) Di-n-octylphthalate	12.630	149	511023	49.42	ng	99
98) Benzo[b]fluoranthene	12.994	252	464658	51.97	ng	93
99) Benzo[k]fluoranthene	13.026	252	432239	47.25	ng	91
100) Benzo[a]pyrene	13.331	252	429438	49.82	ng	91
101) Indeno[1,2,3-cd]pyrene	14.428	276	431935	46.06	ng	80
102) Dibenzo[a,h]anthracene	14.438	278	361776	46.41	ng	86
103) Benzo[g,h,i]perylene	14.695	276	342493	43.63	ng	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 10M09120.D\data.ms
Quant Not Reviewed
SampleID : CAL BNA@50PPM
Data File: 10M09120.D
Acq On : 12/18/09 12:39
Operator : AHD
Sam Mult : 1 Vial# : 2
Misc : A,BNA
Qt Meth : 10M_1214.M
Qt On : 12/18/09 12:52
Qt Upd On: 12/14/09 15:26
Time-->

GC/MS Semi-Volatile Data
Raw QC Data

Form 5

Tune Name: CAL DFTPP **Data File:** 10M09012.D
Instrument: GCMS 10 **Analysis Date:** 12/14/09 11:03
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.287 to 9.298 min

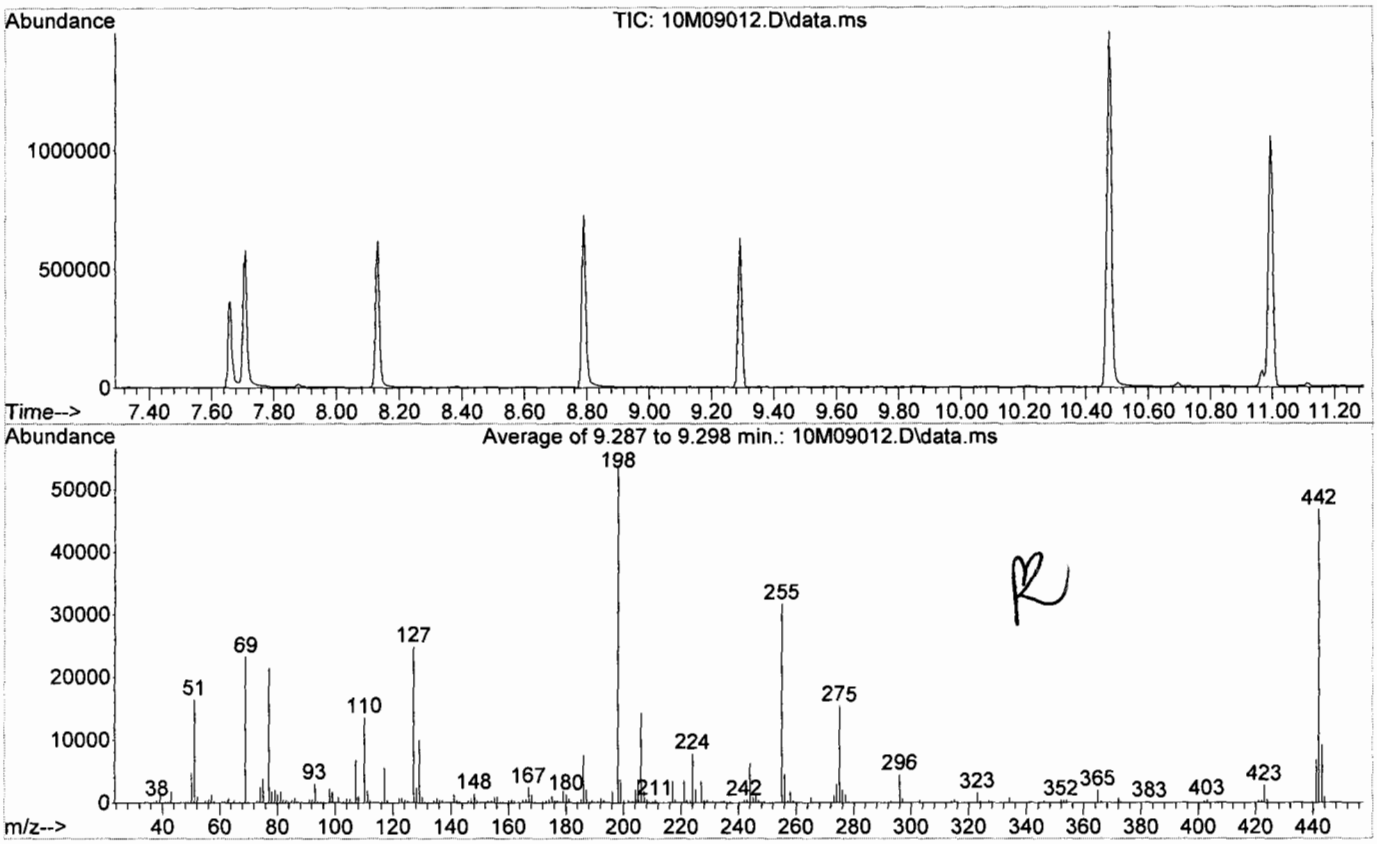
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	30.6	16462	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.2	23257	PASS
70	69	0.00	2	0.6	138	PASS
127	198	40	60	46.1	24814	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	53832	PASS
199	198	5	9	6.9	3688	PASS
275	198	10	30	28.6	15411	PASS
365	198	1	100	3.7	1976	PASS
441	443	0.01	100	73.4	6775	PASS
442	198	40	100	86.8	46739	PASS
443	442	17	23	19.7	9225	PASS

Data File	Sample Number	Analysis Date:
10M09013.D	CAL BNA@196PP	12/14/09 11:27
10M09014.D	CAL BNA@160PP	12/14/09 11:49
10M09015.D	CAL BNA@120PP	12/14/09 12:11
10M09016.D	CAL BNA@80PPM	12/14/09 12:34
10M09017.D	CAL BNA@50PPM	12/14/09 12:56
10M09018.D	CAL BNA@20PPM	12/14/09 13:18
10M09019.D	CAL BNA@10PPM	12/14/09 13:40
10M09020.D	CAL BNA@2PPM	12/14/09 14:02
10M09021.D	ICV BNA@50PPM	12/14/09 14:51

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-14-09\
Data File : 10M09012.D
Acq On : 14 Dec 2009 11:03
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1113.M
Title : @GCMS_10,mg,625,8270
Last Update : Fri Nov 13 11:05:00 2009



Spectrum Information: Average of 9.287 to 9.298 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.6	16462	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.2	23257	PASS
70	69	0.00	2	0.6	138	PASS
127	198	40	60	46.1	24814	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	53832	PASS
199	198	5	9	6.9	3688	PASS
275	198	10	30	28.6	15411	PASS
365	198	1	100	3.7	1976	PASS
441	443	0.01	100	73.4	6775	PASS
442	198	40	100	86.8	46739	PASS
443	442	17	23	19.7	9225	PASS

Form 5

Tune Name: CAL DFTPP
Instrument: GCMS 9
Data File: 9M22188.D
Analysis Date: 12/17/09 09:03
Method: EPA 8270C

Tune Scan/Time Range: Scan 1387

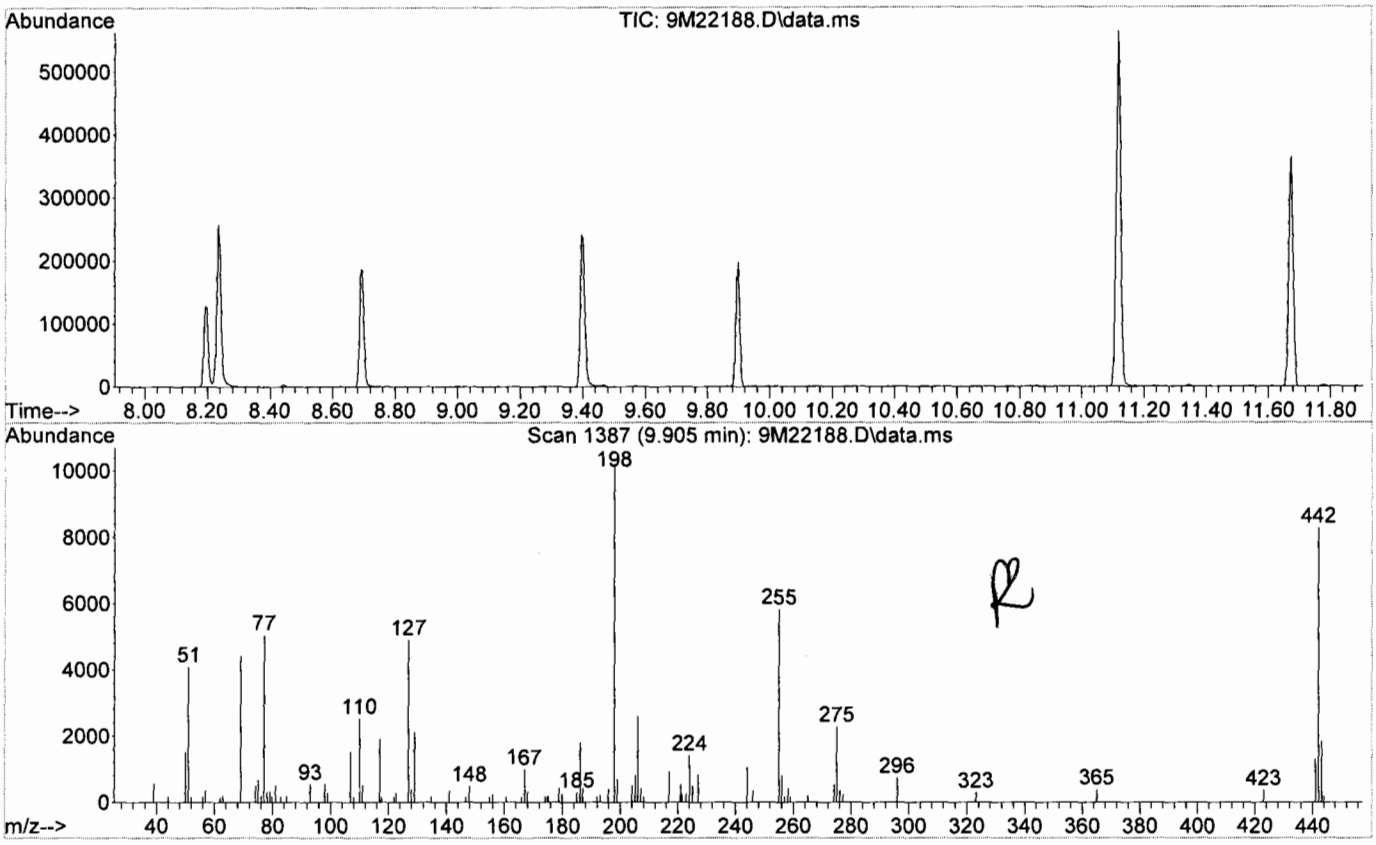
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	40.2	4103	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.3	4418	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.1	4904	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	10205	PASS
199	198	5	9	6.8	689	PASS
275	198	10	30	22.4	2289	PASS
365	198	1	100	3.9	394	PASS
441	443	0.01	100	71.4	1317	PASS
442	198	40	100	81.2	8282	PASS
443	442	17	23	22.3	1844	PASS

Data File	Sample Number	Analysis Date:
9M22189.D	CAL BNA@50PPM	12/17/09 10:22
9M22190.D	CAL BNA@196PP	12/17/09 10:45
9M22191.D	CAL BNA@160PP	12/17/09 11:08
9M22192.D	CAL BNA@120PP	12/17/09 11:31
9M22193.D	CAL BNA@80PPM	12/17/09 11:53
9M22194.D	CAL BNA@20PPM	12/17/09 12:16
9M22195.D	CAL BNA@10PPM	12/17/09 12:39
9M22196.D	CAL BNA@2PPM	12/17/09 13:02
9M22197.D	CAL BNA@10PPM	12/17/09 13:27
9M22198.D	ICV BNA@50PPM	12/17/09 13:50
9M22199.D	SMB4360	12/17/09 14:25
9M22200.D	WMB4352(MS)	12/17/09 14:47
9M22201.D	WMB4352	12/17/09 15:10
9M22202.D	AC48852-001(T)	12/17/09 15:33
9M22203.D	SMB4360(MS)	12/17/09 15:56
9M22204.D	AC48721-002	12/17/09 16:19
9M22205.D	AC48721-002(MS)	12/17/09 16:42
9M22206.D	AC48721-002(MSD	12/17/09 17:05
9M22207.D	AC48736-001	12/17/09 17:28
9M22208.D	AC48729-004	12/17/09 17:50
9M22209.D	AC48729-010	12/17/09 18:13
9M22210.D	AC48729-011	12/17/09 18:36
9M22211.D	AC48729-012	12/17/09 18:59
9M22212.D	AC48729-013	12/17/09 19:22
9M22213.D	AC48729-014	12/17/09 19:45
9M22214.D	AC48729-015	12/17/09 20:08
9M22215.D	AC48729-016	12/17/09 20:31
9M22216.D	AC48729-008	12/17/09 20:54

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-17-09\
Data File : 9M22188.D
Acq On : 17 Dec 2009 9:03
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1214.M
Title : @GCMS_9,mg,625,8270
Last Update : Mon Dec 14 15:36:18 2009



Spectrum Information: Scan 1387

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.2	4103	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.3	4418	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.1	4904	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	10205	PASS
199	198	5	9	6.8	689	PASS
275	198	10	30	22.4	2289	PASS
365	198	1	100	3.9	394	PASS
441	443	0.01	100	71.4	1317	PASS
442	198	40	100	81.2	8282	PASS
443	442	17	23	22.3	1844	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 9M22217.D
Instrument: GCMS 9 **Analysis Date:** 12/18/09 09:06
Method: EPA 8270C
Tune Scan/Time Range: Average of 9.855 to 9.866 min

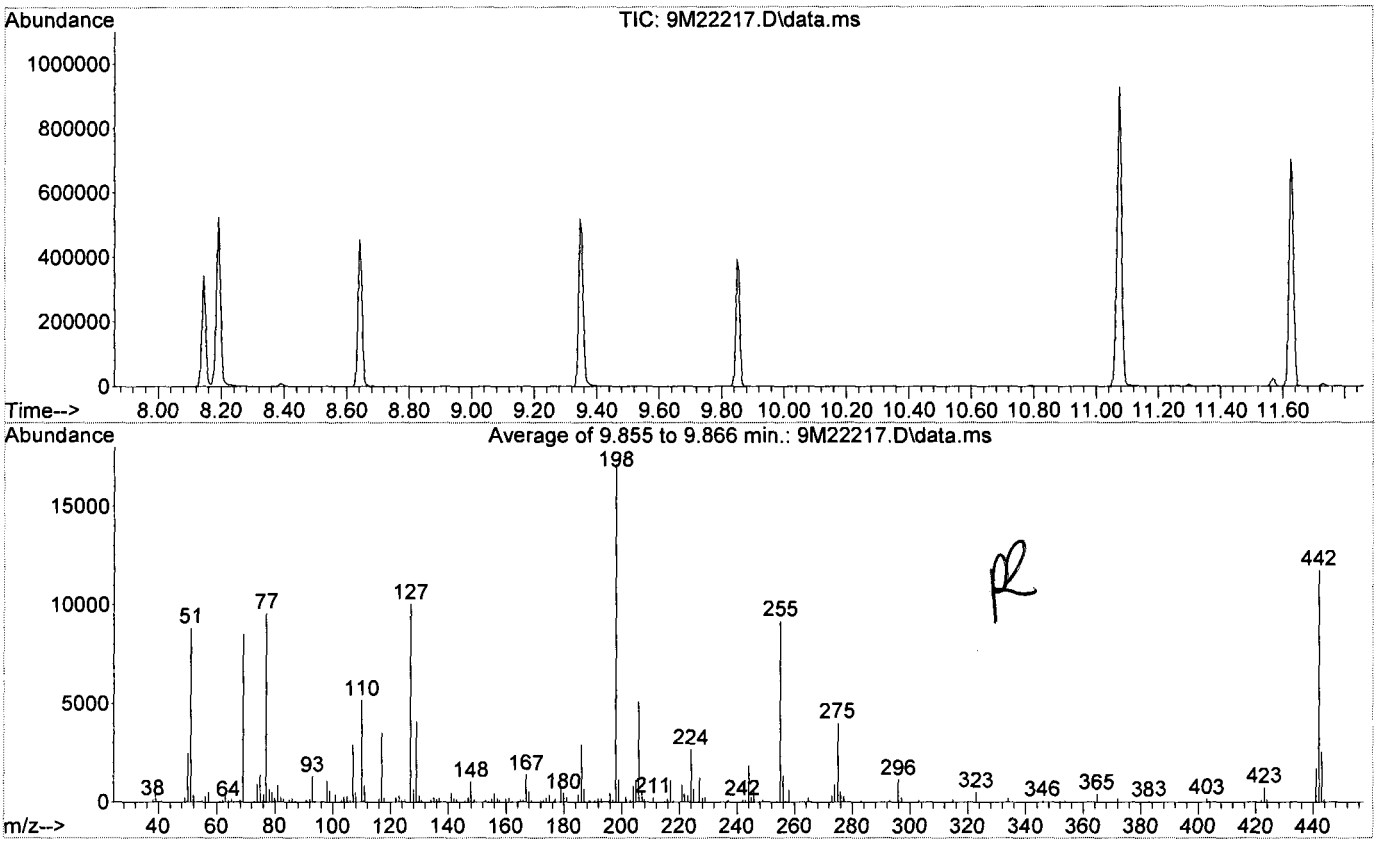
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	51.5	8818	PASS
68	69	0.00	2	1.3	111	PASS
69	198	0.00	100	49.6	8500	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.8	10068	PASS
197	198	0.00	1	0.8	131	PASS
198	198	100	100	100.0	17135	PASS
199	198	5	9	6.6	1139	PASS
275	198	10	30	23.5	4024	PASS
365	198	1	100	2.4	415	PASS
441	443	0.01	100	66.9	1704	PASS
442	198	40	100	68.6	11752	PASS
443	442	17	23	21.7	2546	PASS

Data File	Sample Number	Analysis Date:
9M22218.D	CAL BNA@50PPM	12/18/09 09:32
9M22219.D	WMB4353	12/18/09 09:57
9M22220.D	SMB4361	12/18/09 10:20
9M22221.D	SMB4361(MS)	12/18/09 10:43
9M22222.D	AC48874-001	12/18/09 11:06
9M22223.D	AC48875-001	12/18/09 11:29
9M22224.D	AC48875-002	12/18/09 11:51
9M22225.D	AC48828-006	12/18/09 12:14
9M22226.D	AC48828-008	12/18/09 12:37
9M22227.D	AC48751-024	12/18/09 13:00
9M22228.D	AC48751-024(MS)	12/18/09 13:23
9M22229.D	AC48751-024(MSD	12/18/09 13:46
9M22230.D	WMB4354	12/18/09 14:09
9M22231.D	AC48828-008(10X)	12/18/09 14:32
9M22232.D	AC48751-027	12/18/09 14:55
9M22233.D	AC48751-038	12/18/09 15:17
9M22234.D	AC48770-001	12/18/09 15:40
9M22235.D	AC48770-002	12/18/09 16:03
9M22236.D	AC48917-004	12/18/09 16:26
9M22237.D	SMB4362(MS)	12/18/09 16:49
9M22238.D	SMB4362	12/18/09 17:12
9M22239.D	AC48917-002	12/18/09 17:34
9M22240.D	AC48760-003	12/18/09 17:57
9M22241.D	AC48760-003(MS)	12/18/09 18:20
9M22242.D	AC48760-003(MSD	12/18/09 18:43
9M22243.D	AC48760-004	12/18/09 19:06
9M22244.D	AC48917-010	12/18/09 19:29

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-18-09\
Data File : 9M22217.D
Acq On : 18 Dec 2009 9:06
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2009\GCMS_9\METHODQT\9M_1217.M
Title : @GCMS_9,mg,625,8270
Last Update : Thu Dec 17 13:45:45 2009



Spectrum Information: Average of 9.855 to 9.866 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.5	8818	PASS
68	69	0.00	2	1.3	111	PASS
69	198	0.00	100	49.6	8500	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.8	10068	PASS
197	198	0.00	1	0.8	131	PASS
198	198	100	100	100.0	17135	PASS
199	198	5	9	6.6	1139	PASS
275	198	10	30	23.5	4024	PASS
365	198	1	100	2.4	415	PASS
441	443	0.01	100	66.9	1704	PASS
442	198	40	100	68.6	11752	PASS
443	442	17	23	21.7	2546	PASS

Form 5

Tune Name: CAL DFTPP **Data File:** 10M09119.D
Instrument: GCMS 10 **Analysis Date:** 12/18/09 11:12
Method: EPA 8270C

Tune Scan/Time Range: Average of 9.202 to 9.223 min

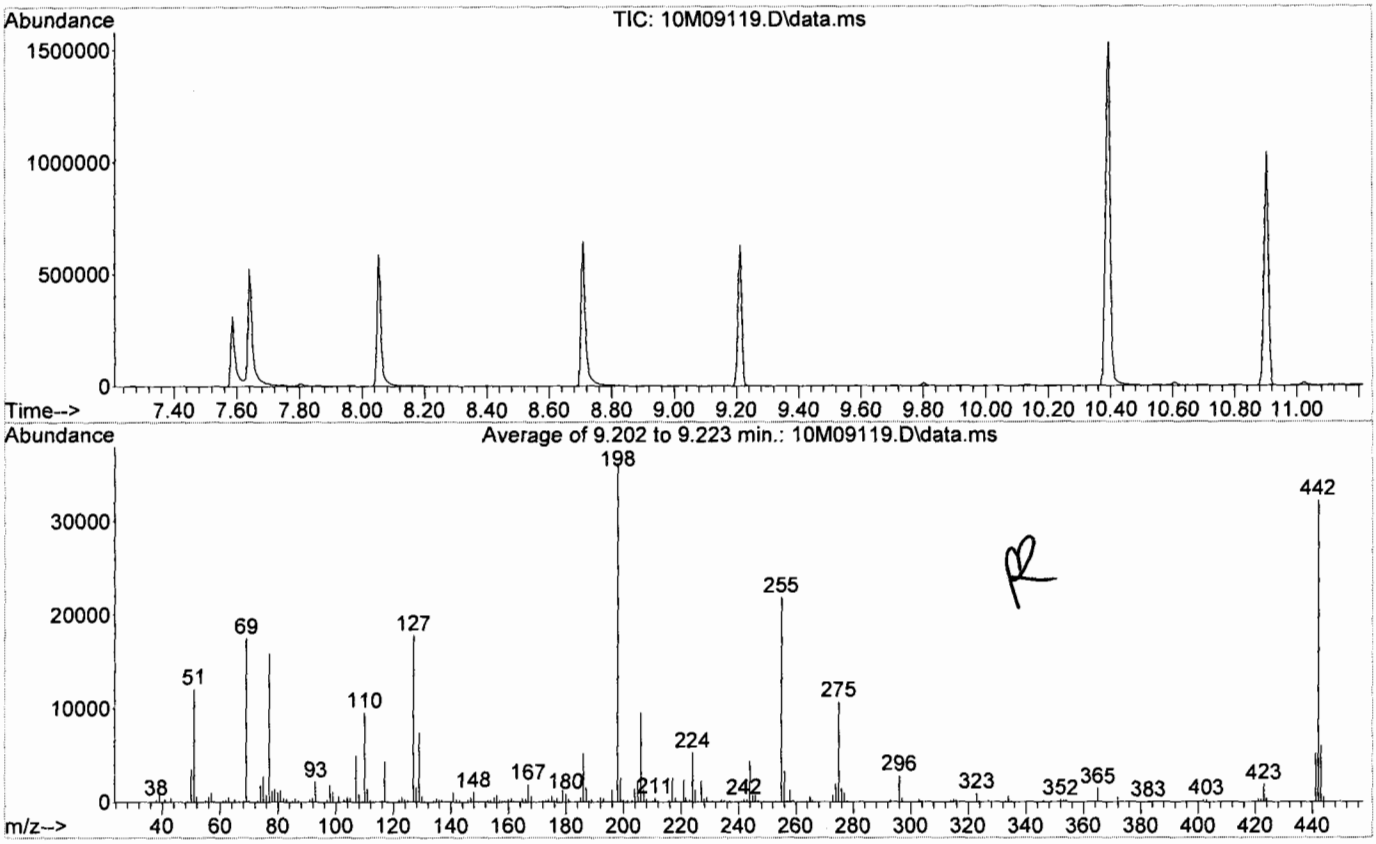
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	33.5	12111	PASS
68	69	0.00	2	0.8	138	PASS
69	198	0.00	100	48.4	17512	PASS
70	69	0.00	2	0.9	158	PASS
127	198	40	60	49.3	17851	PASS
197	198	0.00	1	0.1	48	PASS
198	198	100	100	100.0	36177	PASS
199	198	5	9	7.0	2531	PASS
275	198	10	30	29.7	10732	PASS
365	198	1	100	4.0	1456	PASS
441	443	0.01	100	87.3	5220	PASS
442	198	40	100	89.0	32205	PASS
443	442	17	23	18.6	5980	PASS

Data File	Sample Number	Analysis Date:
10M09120.D	CAL BNA@50PPM	12/18/09 12:39
10M09121.D	SMB4361	12/18/09 13:00
10M09122.D	AC48886-001	12/18/09 13:22
10M09123.D	AC48886-002	12/18/09 13:44
10M09124.D	AC48892-001(3X)	12/18/09 14:06
10M09125.D	AC48906-001(3X)	12/18/09 14:28
10M09126.D	AC48892-002(3X)	12/18/09 14:50
10M09127.D	AC48892-003(3X)	12/18/09 15:12
10M09128.D	AC48892-004(3X)	12/18/09 15:34
10M09129.D	AC48940-001(3X)	12/18/09 15:56
10M09130.D	AC48906-002(3X)	12/18/09 16:18
10M09131.D	AC48906-003(3X)	12/18/09 16:40
10M09132.D	AC48906-004(3X)	12/18/09 17:02
10M09133.D	AC48892-002(2X)	12/18/09 17:24
10M09134.D	AC48906-003(2X)	12/18/09 17:46
10M09135.D	AC48940-001(6X)	12/18/09 18:08
10M09136.D	SMB4362	12/18/09 18:30
10M09137.D	AC48917-006	12/18/09 18:52
10M09138.D	AC48917-008	12/18/09 19:14
10M09139.D	AC48745-005	12/18/09 19:36
10M09140.D	AC48745-003(10X)	12/18/09 19:58
10M09141.D	AC48745-002(10X)	12/18/09 20:20
10M09142.D	TEST	12/18/09 20:42
10M09143.D	TEST	12/18/09 21:04
10M09144.D	TEST	12/18/09 21:26

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09119.D
Acq On : 18 Dec 2009 11:12
Operator : AHD
Sample : CAL DFTPP
Misc : A,BNA
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270
Last Update : Mon Dec 14 14:39:51 2009



Spectrum Information: Average of 9.202 to 9.223 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.5	12111	PASS
68	69	0.00	2	0.8	138	PASS
69	198	0.00	100	48.4	17512	PASS
70	69	0.00	2	0.9	158	PASS
127	198	40	60	49.3	17851	PASS
197	198	0.00	1	0.1	48	PASS
198	198	100	100	100.0	36177	PASS
199	198	5	9	7.0	2531	PASS
275	198	10	30	29.7	10732	PASS
365	198	1	100	4.0	1456	PASS
441	443	0.01	100	87.3	5220	PASS
442	198	40	100	89.0	32205	PASS
443	442	17	23	18.6	5980	PASS

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB4361
Client Id:
Data File: 10M09121.D
Analysis Date: 12/18/09 13:00
Date Rec/Extracted: NA-12/17/09
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270C
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.067	U	207-08-9	Benzo[k]fluoranthene	0.067	U
122-66-7	1,2-Diphenylhydrazine	0.067	U	65-85-0	Benzoic Acid	0.33	U
95-95-4	2,4,5-Trichlorophenol	0.067	U	100-51-6	Benzyl alcohol	0.067	U
88-06-2	2,4,6-Trichlorophenol	0.067	U	111-91-1	bis(2-Chloroethoxy)methan	0.067	U
120-83-2	2,4-Dichlorophenol	0.067	U	111-44-4	bis(2-Chloroethyl)ether	0.067	U
105-67-9	2,4-Dimethylphenol	0.067	U	108-60-1	bis(2-chloroisopropyl)ether	0.067	U
51-28-5	2,4-Dinitrophenol	0.33	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.067	U
121-14-2	2,4-Dinitrotoluene	0.067	U	85-68-7	Butylbenzylphthalate	0.067	U
606-20-2	2,6-Dinitrotoluene	0.067	U	86-74-8	Carbazole	0.067	U
91-58-7	2-Chloronaphthalene	0.067	U	218-01-9	Chrysene	0.067	U
95-57-8	2-Chlorophenol	0.067	U	53-70-3	Dibenzo[a,h]anthracene	0.067	U
91-57-6	2-Methylnaphthalene	0.067	U	132-64-9	Dibenzofuran	0.067	U
95-48-7	2-Methylphenol	0.067	U	84-66-2	Diethylphthalate	0.067	U
88-74-4	2-Nitroaniline	0.067	U	131-11-3	Dimethylphthalate	0.067	U
88-75-5	2-Nitrophenol	0.067	U	84-74-2	Di-n-butylphthalate	0.067	U
106-44-5	3&4-Methylphenol	0.067	U	117-84-0	Di-n-octylphthalate	0.067	U
91-94-1	3,3'-Dichlorobenzidine	0.067	U	206-44-0	Fluoranthene	0.067	U
99-09-2	3-Nitroaniline	0.067	U	86-73-7	Fluorene	0.067	U
534-52-1	4,6-Dinitro-2-methylphenol	0.33	U	118-74-1	Hexachlorobenzene	0.067	U
101-55-3	4-Bromophenyl-phenylether	0.067	U	87-68-3	Hexachlorobutadiene	0.067	U
59-50-7	4-Chloro-3-methylphenol	0.067	U	77-47-4	Hexachlorocyclopentadiene	0.33	U
106-47-8	4-Chloroaniline	0.067	U	67-72-1	Hexachloroethane	0.067	U
7005-72-3	4-Chlorophenyl-phenylether	0.067	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.067	U
100-01-6	4-Nitroaniline	0.067	U	78-59-1	Isophorone	0.067	U
100-02-7	4-Nitrophenol	0.067	U	91-20-3	Naphthalene	0.067	U
83-32-9	Acenaphthene	0.067	U	98-95-3	Nitrobenzene	0.067	U
208-96-8	Acenaphthylene	0.067	U	62-75-9	N-Nitrosodimethylamine	0.067	U
62-53-3	Aniline	0.067	U	621-64-7	N-Nitroso-di-n-propylamine	0.067	U
120-12-7	Anthracene	0.067	U	86-30-6	n-Nitrosodiphenylamine	0.067	U
92-87-5	Benzidine	0.33	U	87-86-5	Pentachlorophenol	0.33	U
56-55-3	Benzo[a]anthracene	0.067	U	85-01-8	Phenanthrene	0.067	U
50-32-8	Benzo[a]pyrene	0.067	U	108-95-2	Phenol	0.067	U
205-99-2	Benzo[b]fluoranthene	0.067	U	129-00-0	Pyrene	0.067	U
191-24-2	Benzo[g,h,i]perylene	0.067	U				

Worksheet #: 138525

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: SMB4361
Client Id:
Data File: 10M09121.D
Analysis Date: 12/18/09 13:00
Date Rec/Extracted: NA-12/17/09

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 100
Method: EPA 8270C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.46	120 JA
2		unknown	4.25	0.19 J
3	95-63-6	Benzene, 1,2,4-trimethyl-	4.93	0.14 J

Worksheet #: 138525

Total Tentatively Identified Concentration 120

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Quantitation Report (QT/LSC Reviewed)

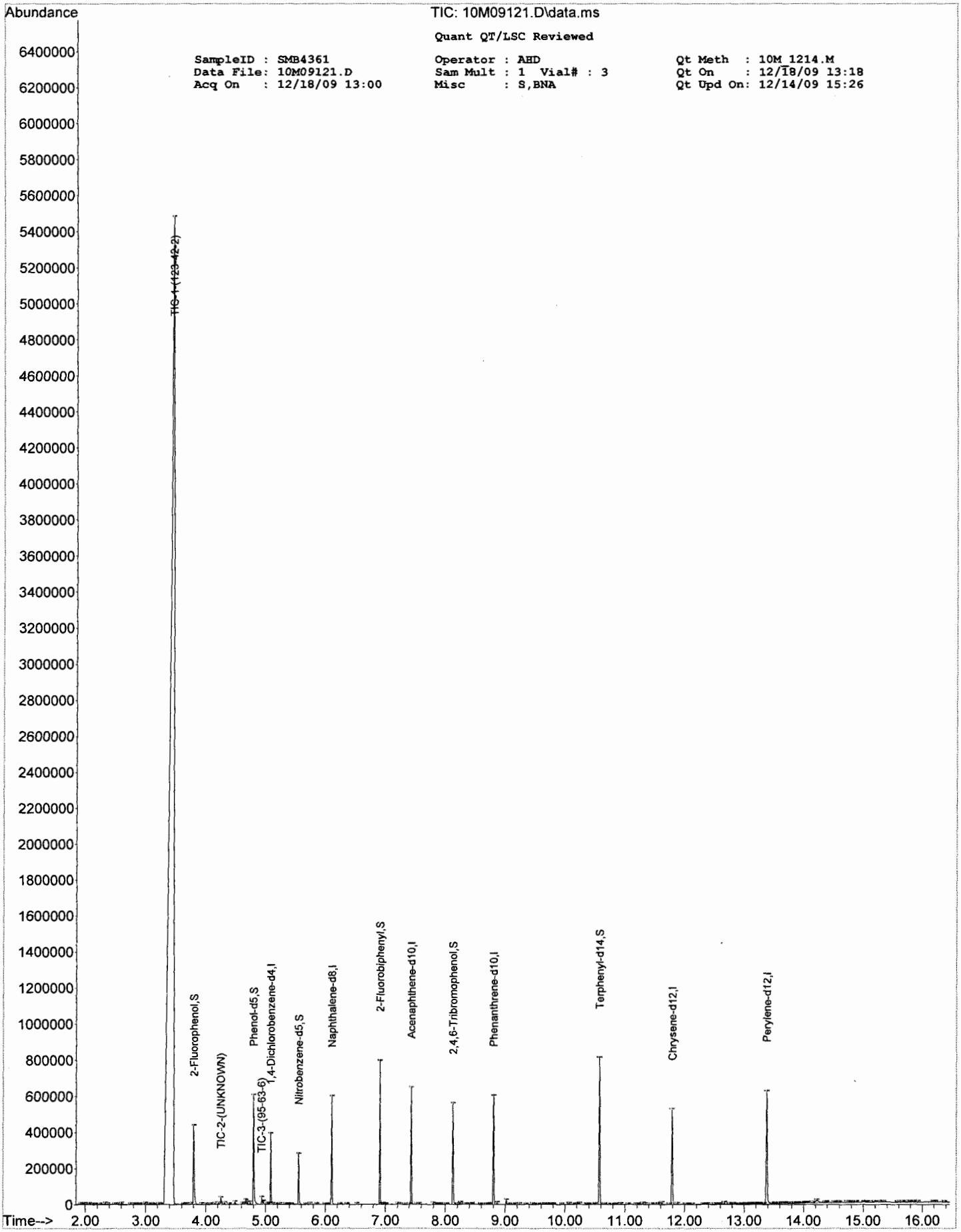
SampleID : SMB4361 Operator : AHD Qt Meth : 10M_1214.M
Data File: 10M09121.D Sam Mult : 1 Vial# : 3 Qt On : 12/18/09 13:18
Acq On : 12/18/09 13:00 Misc : S,BNA Qt Upd On: 12/14/09 15:26

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.083	152	48754	40.00	ng	-0.14
23) Naphthalene-d8	6.105	136	189189	40.00	ng	-0.14
41) Acenaphthene-d10	7.431	164	114846	40.00	ng	-0.16
67) Phenanthrene-d10	8.806	188	213021	40.00	ng	-0.17
81) Chrysene-d12	11.791	240	214304	40.00	ng	-0.19
96) Perylene-d12	13.379	264	240869	40.00	ng	-0.19
System Monitoring Compounds						
4) 2-Fluorophenol	3.800	112	135143	99.62	ng	-0.17
Spiked Amount 100.000			Recovery = 99.62%			
9) Phenol-d5	4.795	99	184271	93.64	ng	-0.14
Spiked Amount 100.000			Recovery = 93.64%			
24) Nitrobenzene-d5	5.554	128	35081	44.80	ng	-0.14
Spiked Amount 50.000			Recovery = 89.60%			
46) 2-Fluorobiphenyl	6.907	172	173457	43.86	ng	-0.14
Spiked Amount 50.000			Recovery = 87.72%			
70) 2,4,6-Tribromophenol	8.127	330	58601	94.92	ng	-0.17
Spiked Amount 100.000			Recovery = 94.92%			
84) Terphenyl-d14	10.576	244	269105	44.40	ng	-0.18
Spiked Amount 50.000			Recovery = 88.80%			
Target Compounds						Qvalue
Library Search Compounds						
1) 123-42-2	3.460		25167400	3581.20	ng	47
2) UNKNOWN	4.250		39293	5.59	ng	--
3) 95-63-6	4.930		29789	4.24	ng	94

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

lce


Abundance
TIC: 10M09121.D\data.ms
Quant QT/LSC Reviewed
SampleID : SMB4361
Data File: 10M09121.D
Acq On : 12/18/09 13:00
Operator : AHD
Sam Mult : 1 Vial# : 3
Misc : S,BNA
Qt Meth : 10M_1214.M
Qt On : 12/18/09 13:18
Qt Upd On: 12/14/09 15:26
TIC-1-(123-42-2)
2-Fluorophenol,S
TIC-2-(UNKNOWN)
Phenol-d5,S
TIC-3-(95-63-6)
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

Signal : TIC: 10M09121.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.922	9	16	19	rVB6	1393	2518	0.01%	0.008%
2	1.949	19	21	25	rVV4	821	878	0.00%	0.003%
3	1.986	25	28	33	rVB4	1318	1664	0.01%	0.005%
4	2.067	41	43	47	rVV3	879	904	0.00%	0.003%
5	2.110	47	51	59	rVB4	983	2056	0.01%	0.006%
6	2.158	59	60	69	rBV4	908	1269	0.01%	0.004%
7	2.238	73	75	87	rVB4	764	1437	0.01%	0.005%
8	2.334	87	93	99	rBV5	5383	8588	0.03%	0.027%
9	2.372	99	100	109	rVB3	680	1057	0.00%	0.003%
10	2.484	119	121	127	rBV	647	1089	0.00%	0.003%
11	2.532	127	130	137	rVB3	659	800	0.00%	0.003%
12	2.602	137	143	165	rVB3	5891	14796	0.06%	0.047%
13	2.751	165	171	173	rVB2	1300	1865	0.01%	0.006%
14	2.789	173	178	181	rBV2	803	1297	0.01%	0.004%
15	2.848	181	189	195	rVB3	1835	3940	0.02%	0.012%
16	2.906	195	200	209	rVB	669	1567	0.01%	0.005%
17	2.997	209	217	227	rBV5	6584	20530	0.08%	0.065%
18	3.067	227	230	237	rVB3	1272	2200	0.01%	0.007%
19	3.120	237	240	243	rBV3	1283	1199	0.00%	0.004%
20	3.147	243	245	249	rVB3	730	716	0.00%	0.002%
21	3.217	253	258	265	rVB3	2156	3482	0.01%	0.011%
22	3.265	265	267	273	rBV	677	675	0.00%	0.002%
23	3.457	273	303	307	rBV	5480113	25167388	100.00%	79.200%
24	3.629	333	335	339	rVB2	1164	990	0.00%	0.003%
25	3.666	339	342	351	rVB3	1286	1772	0.01%	0.006%
26	3.752	351	358	363	rBV2	2114	3592	0.01%	0.011%
27	3.800	363	367	381	rBV	434503	460692	1.83%	1.450%
28	3.928	389	391	397	rBV3	2448	2845	0.01%	0.009%
29	4.014	401	407	411	rVB2	1712	2246	0.01%	0.007%
30	4.083	417	420	427	rVB	838	796	0.00%	0.003%
31	4.147	427	432	441	rVV3	5013	7676	0.03%	0.024%
32	4.212	441	444	449	rVV	6725	5484	0.02%	0.017%
33	4.249	449	451	459	rVV	35637	39293	0.16%	0.124%
34	4.313	459	463	467	rVV	9266	10193	0.04%	0.032%
35	4.388	471	477	489	rVV4	1882	5291	0.02%	0.017%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

36	4.484	491	495	509	rVB2	13475	14211	0.06%	0.045%
37	4.607	509	518	521	rBV	5410	5602	0.02%	0.018%
38	4.639	521	524	525	rVV	2560	2077	0.01%	0.007%
39	4.666	525	529	533	rVV	22842	22995	0.09%	0.072%
40	4.698	533	535	539	rVB	12219	9317	0.04%	0.029%
41	4.741	539	543	547	rBV2	12412	10230	0.04%	0.032%
42	4.795	549	553	575	rVV	603978	518813	2.06%	1.633%
43	4.934	575	579	581	rVV	38904	29789	0.12%	0.094%
44	4.960	581	584	595	rVV3	15632	17646	0.07%	0.056%
45	5.030	595	597	599	rVV	713	942	0.00%	0.003%
46	5.051	599	601	603	rVV	5232	5031	0.02%	0.016%
47	5.083	603	607	611	rVV	389906	286533	1.14%	0.902%
48	5.110	611	612	621	rVV2	5186	8338	0.03%	0.026%
49	5.169	621	623	625	rVV2	2155	1777	0.01%	0.006%
50	5.233	625	635	639	rVV5	2818	5252	0.02%	0.017%
51	5.329	643	653	655	rVV2	1102	2075	0.01%	0.007%
52	5.361	655	659	661	rVV2	1501	1020	0.00%	0.003%
53	5.388	661	664	669	rVB	958	1223	0.00%	0.004%
54	5.426	669	671	675	rBV	705	638	0.00%	0.002%
55	5.554	691	695	699	rBV	279262	220108	0.87%	0.693%
56	5.672	715	717	721	rBV	625	726	0.00%	0.002%
57	5.741	727	730	735	rBV2	4399	3249	0.01%	0.010%
58	5.854	741	751	755	rBV2	1188	1063	0.00%	0.003%
59	5.987	767	776	777	rVB	472	737	0.00%	0.002%
60	6.025	777	783	785	rBV	407	690	0.00%	0.002%
61	6.105	791	798	803	rBV	597583	419807	1.67%	1.321%
62	6.239	819	823	829	rBV	319	725	0.00%	0.002%
63	6.356	839	845	851	rBB	332	714	0.00%	0.002%
64	6.522	871	876	877	rBV	3282	2141	0.01%	0.007%
65	6.907	943	948	953	rBV	793548	505331	2.01%	1.590%
66	6.939	953	954	957	rVV	1453	1144	0.00%	0.004%
67	6.966	957	959	965	rVV2	3512	3853	0.02%	0.012%
68	7.009	965	967	979	rVB	672	1240	0.00%	0.004%
69	7.201	1001	1003	1005	rBB	2174	1437	0.01%	0.005%
70	7.244	1005	1011	1015	rBB	631	560	0.00%	0.002%
71	7.314	1017	1024	1027	rBV	376	813	0.00%	0.003%
72	7.399	1033	1040	1041	rBV	539	639	0.00%	0.002%
73	7.431	1041	1046	1051	rBV	645975	490623	1.95%	1.544%
74	7.517	1057	1062	1065	rBV	578	824	0.00%	0.003%
75	7.560	1065	1070	1073	rVB2	1712	1468	0.01%	0.005%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

76	7.795	1109	1114	1117	rVB	5903	4514	0.02%	0.014%
77	7.833	1117	1121	1123	rBV	622	855	0.00%	0.003%
78	7.891	1127	1132	1135	rVV2	1183	1287	0.01%	0.004%
79	7.923	1135	1138	1141	rVB2	1008	808	0.00%	0.003%
80	8.020	1151	1156	1161	rBV	783	711	0.00%	0.002%
81	8.127	1171	1176	1181	rBV	557384	464055	1.84%	1.460%
82	8.202	1187	1190	1193	rBV2	2063	1171	0.00%	0.004%
83	8.250	1193	1199	1209	rVB4	9820	13967	0.06%	0.044%
84	8.314	1209	1211	1217	rBV	497	727	0.00%	0.002%
85	8.362	1217	1220	1225	rVB	395	514	0.00%	0.002%
86	8.421	1227	1231	1233	rBV	907	779	0.00%	0.002%
87	8.448	1233	1236	1243	rVB3	2851	3105	0.01%	0.010%
88	8.587	1259	1262	1265	rVB	557	579	0.00%	0.002%
89	8.619	1265	1268	1273	rVB2	1253	1201	0.00%	0.004%
90	8.688	1273	1281	1283	rBV	1184	1514	0.01%	0.005%
91	8.715	1283	1286	1289	rVV	1607	1325	0.01%	0.004%
92	8.742	1289	1291	1297	rVB2	1771	1789	0.01%	0.006%
93	8.806	1297	1303	1307	rBV	600825	560471	2.23%	1.764%
94	8.865	1307	1314	1319	rVB	8562	7818	0.03%	0.025%
95	9.020	1339	1343	1347	rBV	24761	21867	0.09%	0.069%
96	9.057	1347	1350	1355	rVB	396	568	0.00%	0.002%
97	9.138	1355	1365	1367	rBV2	1164	2230	0.01%	0.007%
98	9.170	1367	1371	1377	rVV2	1683	2146	0.01%	0.007%
99	9.245	1377	1385	1391	rVB2	3571	3950	0.02%	0.012%
100	9.346	1401	1404	1409	rBV	335	676	0.00%	0.002%
101	9.453	1421	1424	1427	rVB	3160	3163	0.01%	0.010%
102	9.485	1427	1430	1441	rBB	678	1632	0.01%	0.005%
103	9.555	1441	1443	1449	rBV	996	917	0.00%	0.003%
104	9.624	1449	1456	1459	rVV	1472	1605	0.01%	0.005%
105	9.667	1459	1464	1469	rVB	684	1071	0.00%	0.003%
106	9.715	1469	1473	1475	rBV	1039	1040	0.00%	0.003%
107	9.758	1475	1481	1489	rVB	776	1387	0.01%	0.004%
108	9.806	1489	1490	1495	rBV	503	578	0.00%	0.002%
109	9.945	1513	1516	1521	rVB2	1284	1495	0.01%	0.005%
110	10.068	1525	1539	1547	rBV5	3983	10018	0.04%	0.032%
111	10.181	1557	1560	1561	rVB5	740	540	0.00%	0.002%
112	10.207	1561	1565	1567	rBV	345	616	0.00%	0.002%
113	10.245	1567	1572	1577	rVV2	5475	6399	0.03%	0.020%
114	10.368	1589	1595	1599	rBV2	1783	2579	0.01%	0.008%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

115	10.395	1599	1600	1605	rVB2	626	651	0.00%	0.002%
116	10.464	1605	1613	1617	rBV	1214	2130	0.01%	0.007%
117	10.507	1617	1621	1623	rVB2	2108	1994	0.01%	0.006%
118	10.576	1629	1634	1639	rBV	808862	743084	2.95%	2.338%
119	10.646	1643	1647	1653	rVB3	644	1301	0.01%	0.004%
120	10.726	1657	1662	1665	rBV	591	816	0.00%	0.003%
121	10.785	1665	1673	1677	rVB	634	1025	0.00%	0.003%
122	10.838	1681	1683	1687	rVB	624	707	0.00%	0.002%
123	10.929	1691	1700	1709	rVB2	2480	3863	0.02%	0.012%
124	11.052	1717	1723	1733	rVB3	894	2602	0.01%	0.008%
125	11.186	1737	1748	1751	rVV2	1373	1857	0.01%	0.006%
126	11.218	1751	1754	1761	rVB2	895	867	0.00%	0.003%
127	11.298	1761	1769	1773	rBV2	6244	6547	0.03%	0.021%
128	11.341	1773	1777	1785	rVB	2460	2775	0.01%	0.009%
129	11.438	1785	1795	1797	rBV2	357	716	0.00%	0.002%
130	11.512	1805	1809	1815	rBV2	495	520	0.00%	0.002%
131	11.561	1815	1818	1821	rVB2	955	705	0.00%	0.002%
132	11.619	1825	1829	1835	rBV	10257	10521	0.04%	0.033%
133	11.742	1847	1852	1855	rBV3	1987	2844	0.01%	0.009%
134	11.791	1855	1861	1867	rBV	524232	538749	2.14%	1.695%
135	11.881	1873	1878	1887	rVB	4152	5348	0.02%	0.017%
136	12.015	1899	1903	1907	rBV2	840	1094	0.00%	0.003%
137	12.069	1911	1913	1917	rVV2	1202	1373	0.01%	0.004%
138	12.128	1917	1924	1935	rVB3	1479	2895	0.01%	0.009%
139	12.320	1955	1960	1961	rBV2	969	1047	0.00%	0.003%
140	12.352	1961	1966	1969	rVB2	475	750	0.00%	0.002%
141	12.384	1969	1972	1975	rBV2	815	927	0.00%	0.003%
142	12.497	1985	1993	1999	rBV3	1760	2280	0.01%	0.007%
143	12.550	1999	2003	2007	rVB3	1617	1380	0.01%	0.004%
144	12.593	2007	2011	2013	rBV2	1014	978	0.00%	0.003%
145	12.668	2021	2025	2031	rBV4	8654	8887	0.04%	0.028%
146	12.753	2039	2041	2047	rVB2	1279	1720	0.01%	0.005%
147	12.812	2047	2052	2057	rBV3	1461	1902	0.01%	0.006%
148	12.860	2057	2061	2063	rVV3	632	750	0.00%	0.002%
149	12.924	2069	2073	2077	rBV3	1303	1230	0.00%	0.004%
150	12.962	2077	2080	2081	rBV2	1029	911	0.00%	0.003%
151	13.015	2081	2090	2093	rBV2	988	1630	0.01%	0.005%
152	13.047	2093	2096	2101	rVB2	1268	1583	0.01%	0.005%
153	13.096	2101	2105	2107	rBV3	1403	1673	0.01%	0.005%

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

154	13.128	2107	2111	2113	rVB2	1065	1440	0.01%	0.005%
155	13.187	2113	2122	2125	rBV3	1817	3675	0.01%	0.012%
156	13.219	2125	2128	2133	rBV6	1877	2635	0.01%	0.008%
157	13.256	2133	2135	2137	rBV4	586	559	0.00%	0.002%
158	13.277	2137	2139	2143	rBV3	1028	719	0.00%	0.002%
159	13.336	2143	2150	2153	rBV5	845	1616	0.01%	0.005%
160	13.379	2153	2158	2173	rBV	622751	702115	2.79%	2.210%
161	13.470	2173	2175	2179	rBV4	1692	2140	0.01%	0.007%
162	13.523	2181	2185	2189	rVB7	2093	2392	0.01%	0.008%
163	13.588	2189	2197	2201	rBV9	1936	4377	0.02%	0.014%
164	13.630	2201	2205	2207	rVB5	1097	887	0.00%	0.003%
165	13.663	2207	2211	2213	rBV4	1200	1157	0.00%	0.004%
166	13.737	2221	2225	2229	rBV6	1159	2526	0.01%	0.008%
167	13.770	2229	2231	2237	rVB5	1043	1551	0.01%	0.005%
168	13.844	2241	2245	2249	rBV6	1064	2083	0.01%	0.007%
169	13.887	2249	2253	2255	rVB4	1516	1820	0.01%	0.006%
170	13.919	2255	2259	2263	rBV7	2233	3796	0.02%	0.012%
171	13.978	2263	2270	2271	rBV6	1234	2157	0.01%	0.007%
172	14.032	2271	2280	2281	rBV7	2363	4079	0.02%	0.013%
173	14.069	2281	2287	2289	rBV5	2214	2497	0.01%	0.008%
174	14.155	2301	2303	2305	rBV2	1344	989	0.00%	0.003%
175	14.224	2305	2316	2331	rVV6	14771	57407	0.23%	0.181%
176	14.369	2335	2343	2345	rVB8	2575	5117	0.02%	0.016%
177	14.390	2345	2347	2353	rBV6	1730	4142	0.02%	0.013%
178	14.518	2367	2371	2373	rBV4	2461	2326	0.01%	0.007%
179	14.540	2373	2375	2381	rBV7	2420	2701	0.01%	0.008%
180	14.604	2385	2387	2395	rBV8	3003	4704	0.02%	0.015%
181	14.722	2407	2409	2411	rVB2	3312	1675	0.01%	0.005%
182	14.764	2413	2417	2419	rVV4	2131	2148	0.01%	0.007%
183	14.818	2419	2427	2429	rVB6	2208	4593	0.02%	0.014%
184	14.887	2437	2440	2443	rBV4	2753	3833	0.02%	0.012%
185	15.016	2461	2464	2467	rVB4	2042	2529	0.01%	0.008%
186	15.048	2467	2470	2473	rBV5	1591	2323	0.01%	0.007%
187	15.075	2473	2475	2479	rBV5	2004	1622	0.01%	0.005%
188	15.182	2489	2495	2497	rBV7	2808	5132	0.02%	0.016%
189	15.278	2511	2513	2521	rVB9	1582	2571	0.01%	0.008%
190	15.342	2521	2525	2527	rBV4	1657	1932	0.01%	0.006%
191	15.577	2565	2569	2571	rBV5	3046	4413	0.02%	0.014%
192	15.663	2579	2585	2587	rBV7	1725	4262	0.02%	0.013%

LSC Area Percent Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Title : @GCMS_10,mg,625,8270

193	15.738	2595	2599	2603	rVB7	4016	6964	0.03%	0.022%
194	15.802	2603	2611	2615	rBV9	4511	13759	0.05%	0.043%
195	15.866	2621	2623	2627	rBV5	2768	3993	0.02%	0.013%
196	15.930	2627	2635	2641	rVV10	3223	7345	0.03%	0.023%
197	16.187	2677	2683	2687	rBV9	1851	2153	0.01%	0.007%
198	16.219	2687	2689	2697	rBV8	1946	1798	0.01%	0.006%
199	16.380	2713	2719	2721	rBV7	2559	3776	0.02%	0.012%

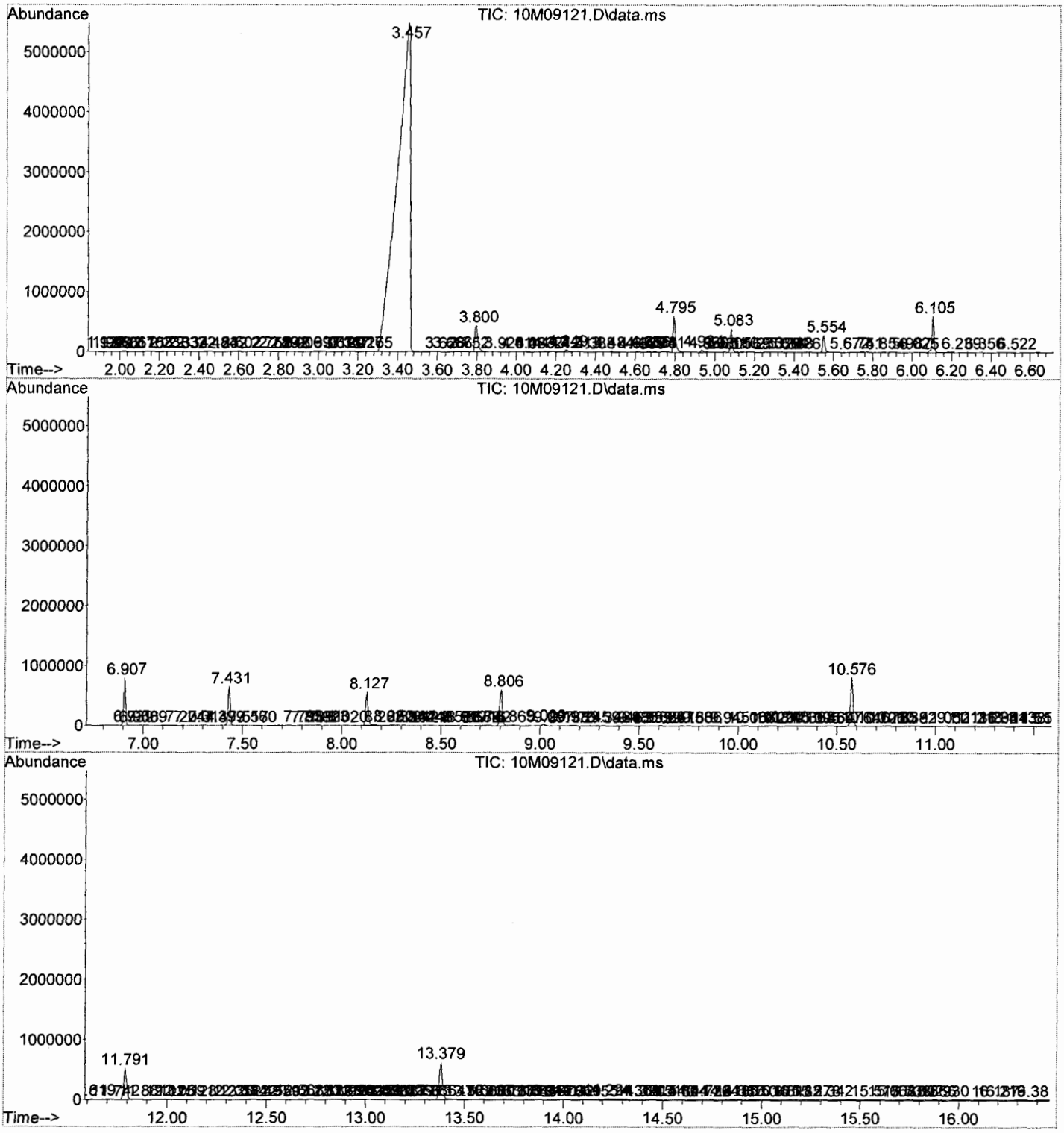
Sum of corrected areas: 31776913

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

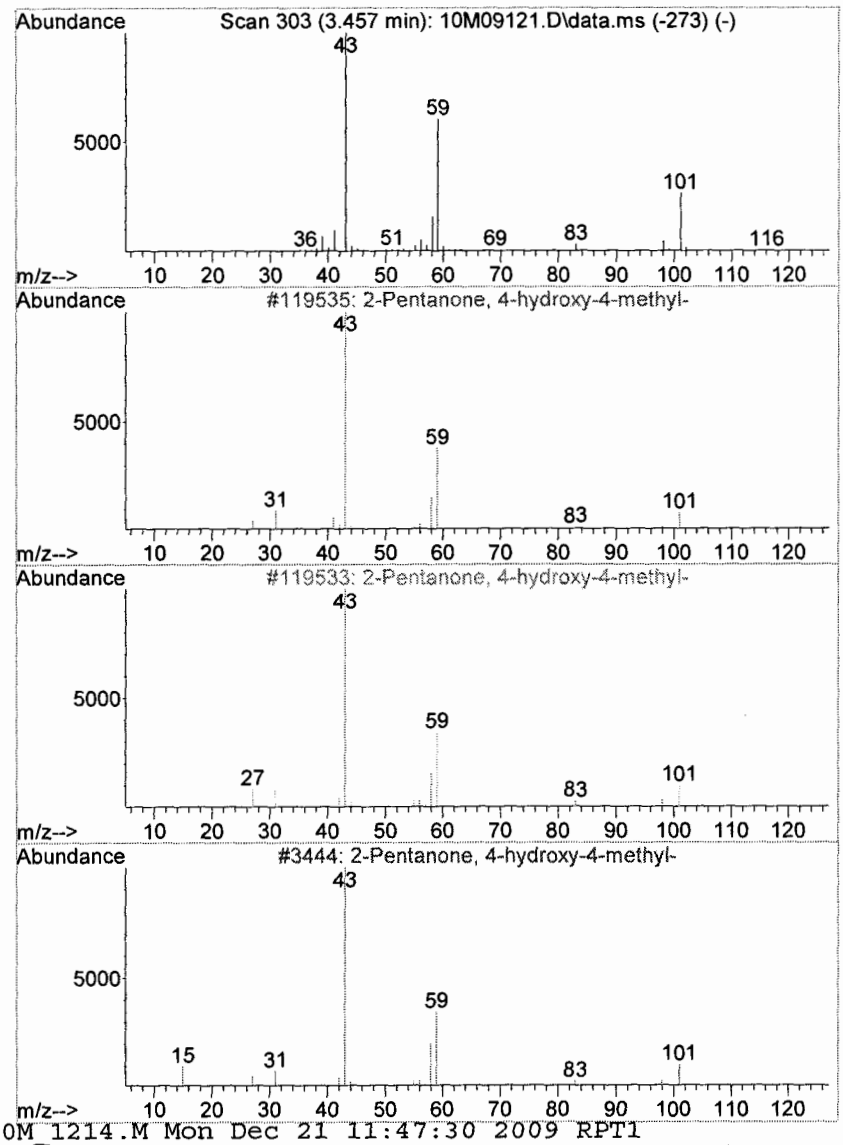
Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

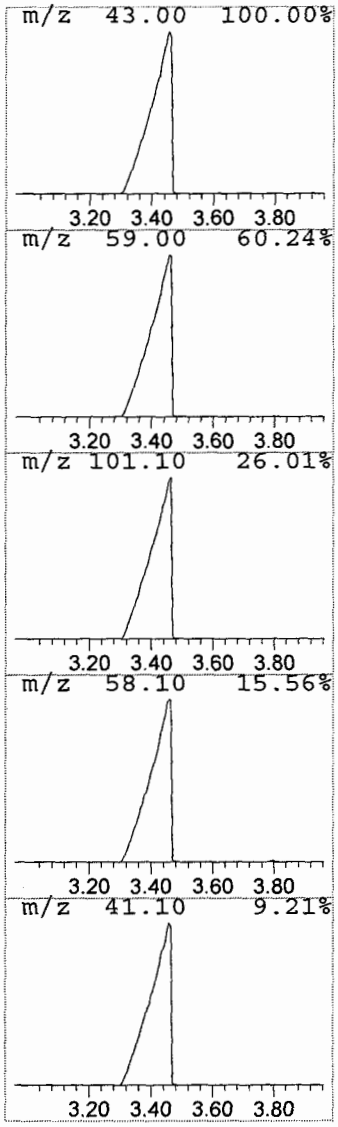
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.46	3581.20 ng	25167400	1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

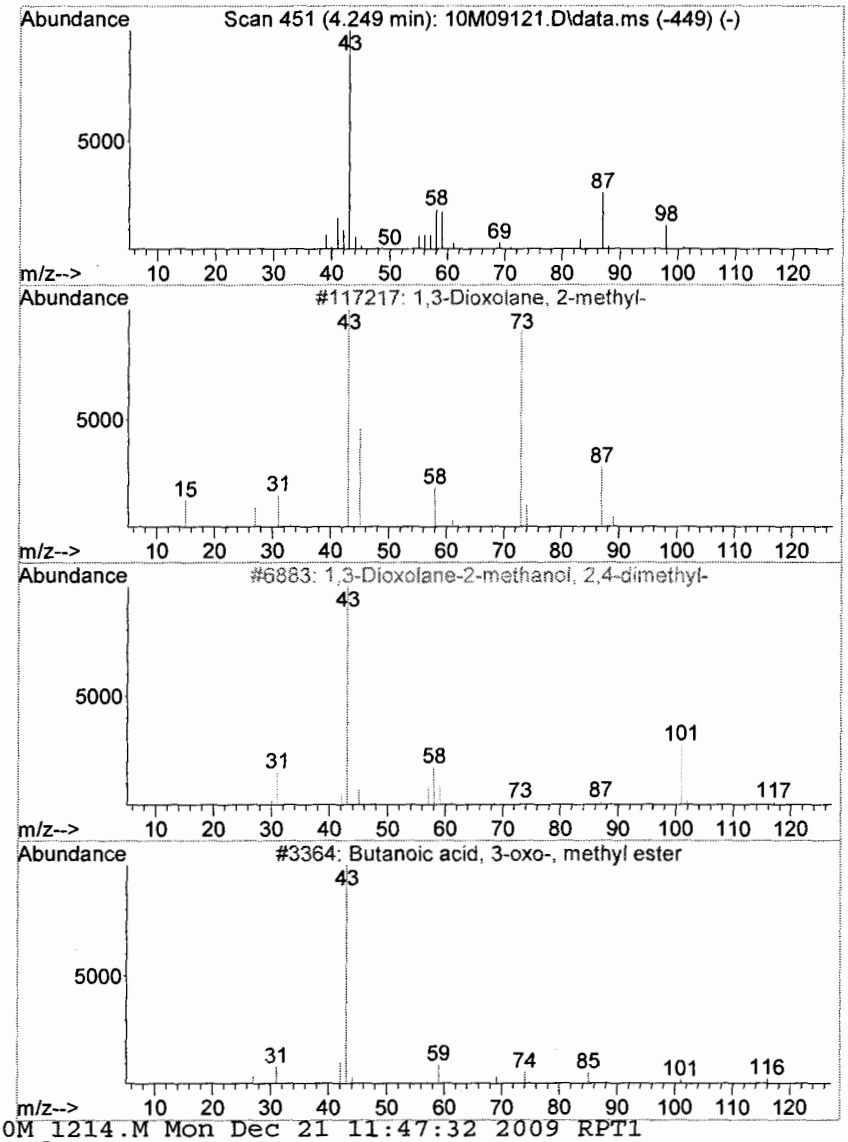
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

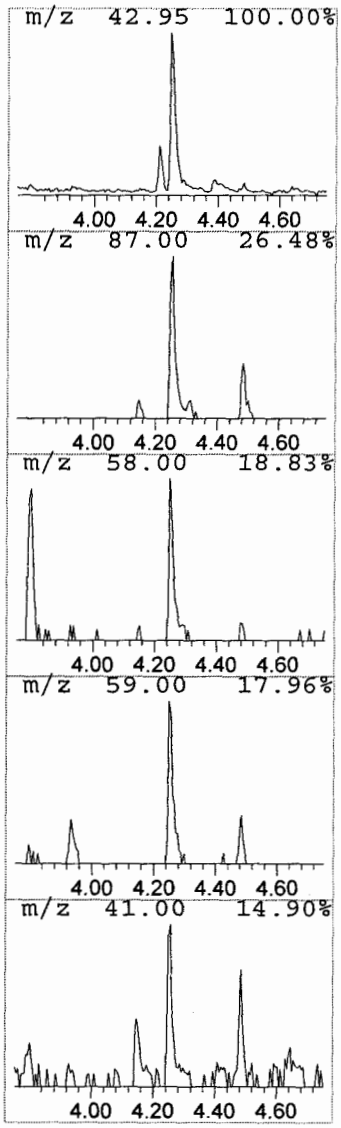
****

Peak Number 2 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	5.59 ng	39293	1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	50
2	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	28
3	Butanoic acid, 3-oxo-, methyl ester	116	C5H8O3	000105-45-3	17
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	17
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	16





Library Search Compound Report

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

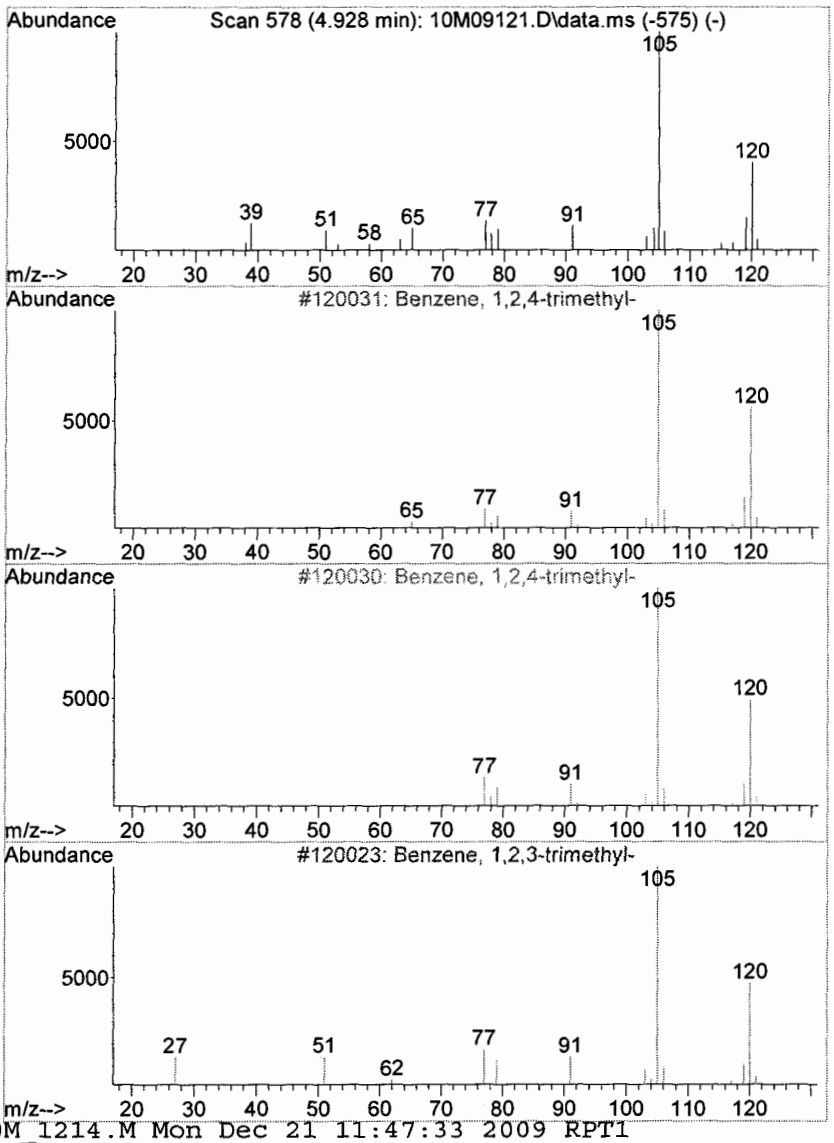
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

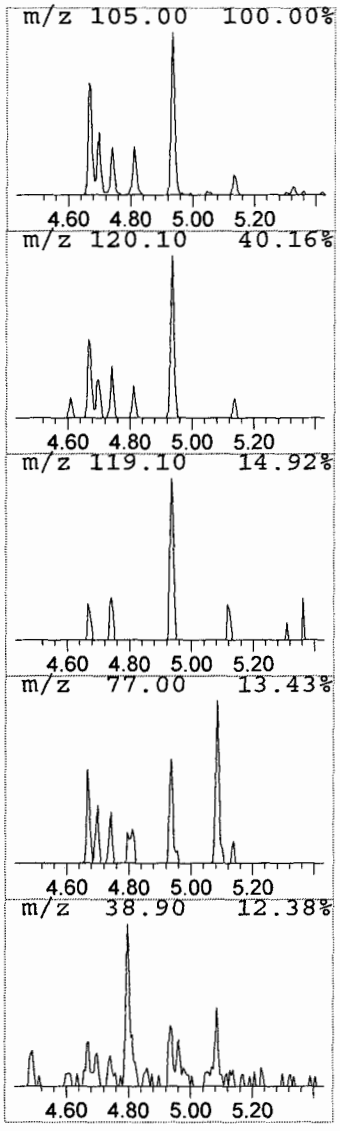
****

Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	4.24 ng	29789	1,4-Dichlorobenzene-d4	5.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2009\GCMS_10\Data\12-18-09\
Data File : 10M09121.D
Acq On : 18 Dec 2009 13:00
Operator : AHD
Sample : SMB4361
Misc : S,BNA
ALS Vial : 3 Sample Multiplier: 1

Quant Method : G:\GCMSDATA\2009\GCMS_10\METHODQT\10M_1214.M
Quant Title : @GCMS_10,mg,625,8270

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc
2-Pentanone, 4-hy...	3.46	3581.2	ng	25167400	1 5.08	5.08	281106	40.0
unknown	4.25	5.6	ng	39293	1 5.08	5.08	281106	40.0
Benzene, 1,2,4-tr...	4.93	4.2	ng	29789	1 5.08	5.08	281106	40.0

FORM 3

Spike Recovery

Batch Number: SMB4361
Mbs Name: SMB4361(MS)
Ns Name: AC48751-024
Ms Name: AC48751-024(MS)
Msd Name: AC48751-024(MSD

Mbs File: 9M22221.D
Non Spk'd File: 9M22227.D
Spike File: 9M22228.D
Spike Dup File: 9M22229.D
Matrix: Soil
Method: EPA 8270C

Mbs Date: 12/18/09 10:43
Non Spk'd Date: 12/18/09 13:00
Spike Date : 12/18/09 13:23
Spike Dup Date: 12/18/09 13:46

Compound	C#	Co	Mr	Conc Exp	Lo Llm	Hi Lim	Rpd Llm	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Phenol	10	1	0	100	35	130	31	80.89	0.00	68.07	75.45	81	68	75	10
2-Chlorophenol	11	1	0	100	43	131	32	88.29	0.00	75.67	81.75	88	76	82	7.7
1,4-Dichlorobenzene	14	1	0	50	26	128	41	41.22	0.00	35.62	36.67	82	71	73	2.9
2-Methylphenol	18	1	0	100	40	137	32	87.89	0.00	74.48	81.45	88	74	81	8.9
N-Nitroso-di-n-propyla	21	1	0	50	23	147	39	43.35	0.00	36.77	40.12	87	74	80	8.7
2,4-Dimethylphenol	28	1	0	100	47	135	32	90.06	0.00	78.98	81.63	90	79	82	3.3
1,2,4-Trichlorobenzen	32	1	0	50	40	129	39	43.48	0.00	39.03	39.30	87	78	79	0.69
Naphthalene	33	1	0	50	44	132	41	44.09	0.00	38.23	38.70	88	76	77	1.2
4-Chloro-3-methylphe	37	1	0	100	45	142	32	89.57	0.00	78.30	81.10	90	78	81	3.5
Acenaphthene	55	1	0	50	47	137	58	44.77	0.00	39.26	40.20	90	79	80	2.4
2,4-Dinitrotoluene	59	1	0	50	30	139	47	42.31	0.00	35.38	39.09	85	71	78	10
4-Nitrophenol	60	1	0	100	35	146	36	92.35	0.00	78.98	86.55	92	79	87	9.1
Fluorene	62	1	0	50	42	135	43	45.85	0.00	40.67	42.60	92	81	85	4.6
Pentachlorophenol	75	1	0	100	38	132	37	96.09	0.00	82.54	90.59	96	83	91	9.3
Pyrene	82	1	0	50	45	167	53	45.96	0.00	42.97	42.75	92	86	86	0.51
Butylbenzylphthalate	88	1	0	50	45	157	40	45.09	0.00	41.77	42.51	90	84	85	1.8

Note:

Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

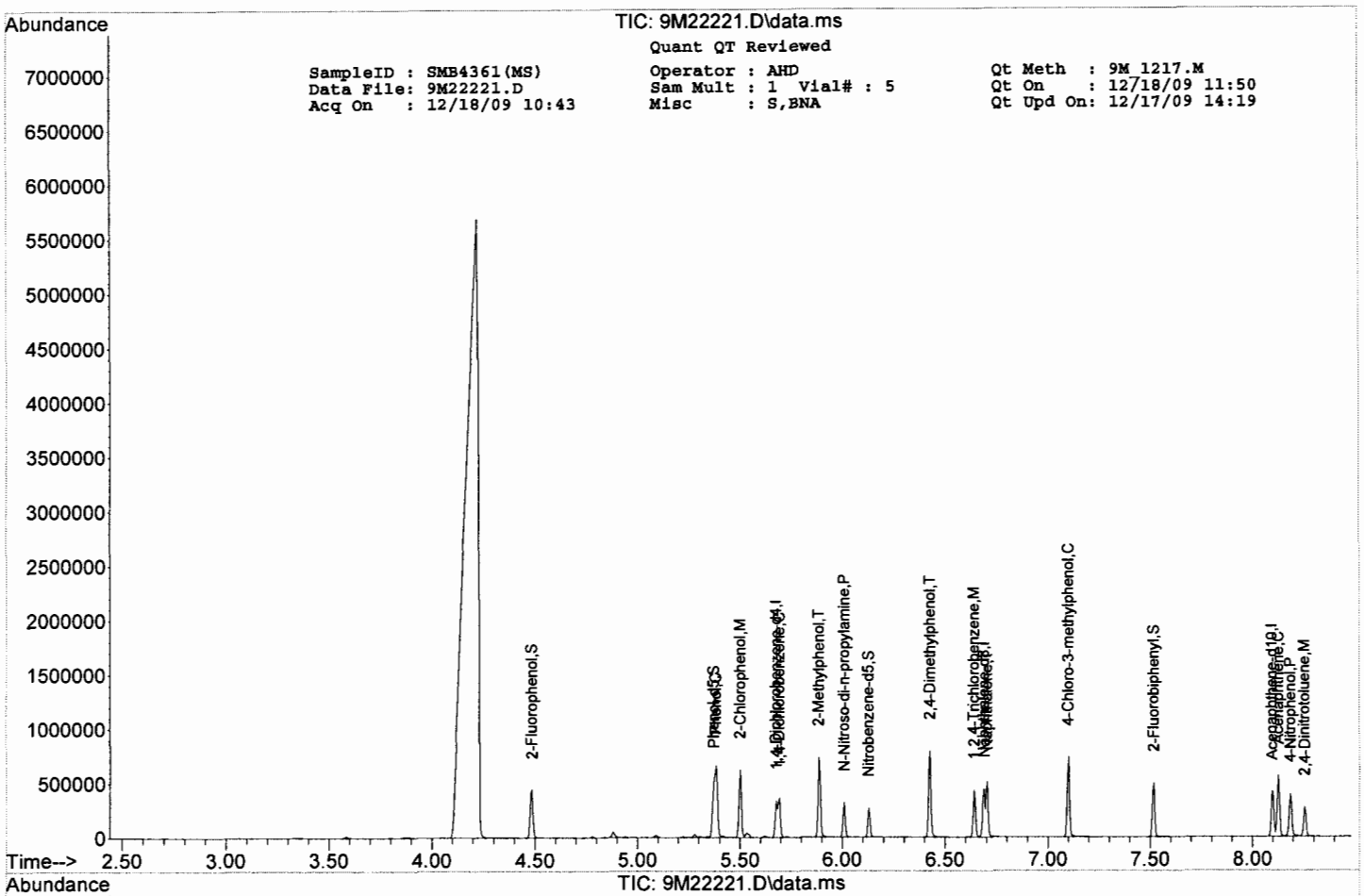
Quantitation Report (QT Reviewed)

SampleID : SMB4361(MS) Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22221.D Sam Mult : 1 Vial# : 5 Qt On : 12/18/09 11:50
Acq On : 12/18/09 10:43 Misc : S,BNA Qt Upd On: 12/17/09 14:19

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.678	152	39265	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	153332	40.00	ng	0.00
41) Acenaphthene-d10	8.096	164	82863	40.00	ng	-0.01
67) Phenanthrene-d10	9.550	188	135025	40.00	ng	0.00
81) Chrysene-d12	12.604	240	106536	40.00	ng	0.00
96) Perylene-d12	14.209	264	103290	40.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.485	112	106604	87.93	ng	0.02
Spiked Amount 100.000			Recovery = 87.93%			
9) Phenol-d5	5.373	99	147890	86.31	ng	0.00
Spiked Amount 100.000			Recovery = 86.31%			
24) Nitrobenzene-d5	6.127	128	28897	43.20	ng	0.00
Spiked Amount 50.000			Recovery = 86.40%			
46) 2-Fluorobiphenyl	7.518	172	127723	44.53	ng	0.00
Spiked Amount 50.000			Recovery = 89.06%			
70) 2,4,6-Tribromophenol	8.834	330	25000	96.20	ng	0.00
Spiked Amount 100.000			Recovery = 96.20%			
84) Terphenyl-d14	11.358	244	130882	45.97	ng	0.00
Spiked Amount 50.000			Recovery = 91.94%			
Target Compounds						Qvalue
10) Phenol	5.384	94	152971	80.89	ng	94
11) 2-Chlorophenol	5.501	128	124110	88.29	ng	84
14) 1,4-Dichlorobenzene	5.694	146	64295	41.22	ng	96
18) 2-Methylphenol	5.887	108	111157	87.89	ng	100
21) N-Nitroso-di-n-propyla...	6.010	70	49596	43.35	ng	84
28) 2,4-Dimethylphenol	6.427	107	131216	90.06	ng	96
32) 1,2,4-Trichlorobenzene	6.641	180	53910	43.48	ng	96
33) Naphthalene	6.705	128	181951	44.09	ng	99
37) 4-Chloro-3-methylphenol	7.101	107	111326	89.57	ng	80
55) Acenaphthene	8.128	153	118611	44.77	ng	95
59) 2,4-Dinitrotoluene	8.256	165	37327	42.31	ng	79
60) 4-Nitrophenol	8.186	65	52694	92.35	ng	87
62) Fluorene	8.604	166	134356	45.85	ng	100
75) Pentachlorophenol	9.347	266	34139	96.09	ng	97
78) Carbazole	9.802	167	185551	44.39	ng	98
82) Pyrene	11.171	202	207780	45.96	ng	92
88) Butylbenzylphthalate	11.952	149	111536	45.09	ng	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed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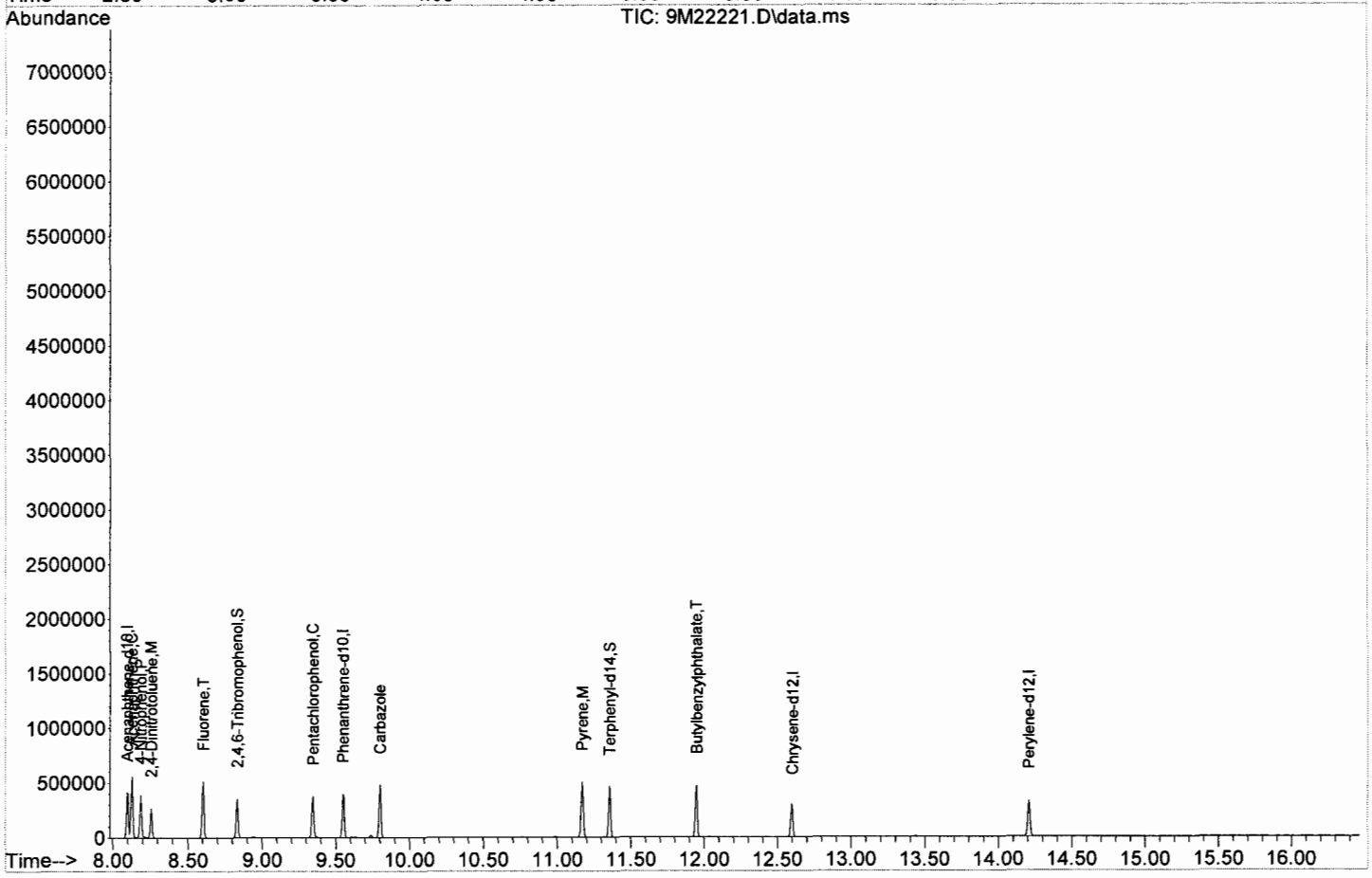
TIC: 9M22221.D\data.ms
Quant QT Reviewed
SampleID : SMB4361(MS)
Data File: 9M22221.D
Acq On : 12/18/09 10:43
Operator : AHD
Sam Mult : 1 Vial# : 5
Misc : S,BNA
Qt Meth : 9M_1217.M
Qt On : 12/18/09 11:50
Qt Upd On: 12/17/09 14:19
2-Fluorophenol,S
2-Chlorophenol,M
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
4-Nitrophenol,P
2,4-Dinitrotoluene,M
Time-->


Abundance
TIC: 9M22221.D\data.ms
2,4-Dinitrotoluene,M
Fluorene,T
2,4,6-Tribromophenol,S
Pentachlorophenol,C
Phenanthrene-d10,I
Carbazole
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Chrysene-d12,I
Perylene-d12,I
Time-->

Quantitation Report (QT/LSC Reviewed)

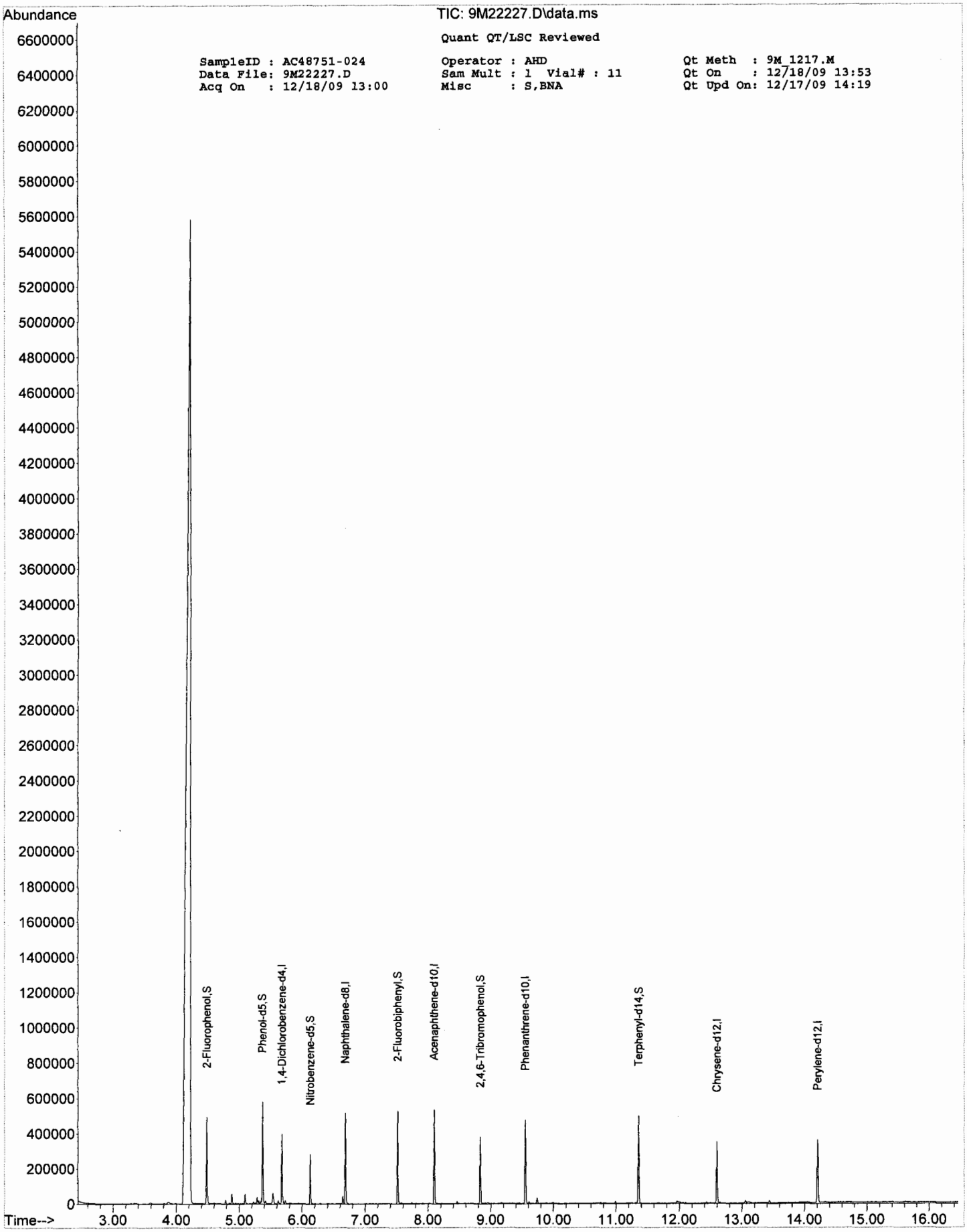
SampleID : AC48751-024 Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22227.D Sam Mult : 1 Vial# : 11 Qt On : 12/18/09 13:53
Acq On : 12/18/09 13:00 Misc : S,BNA Qt Upd On: 12/17/09 14:19

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.678	152	48163	40.00	ng	0.00
23) Naphthalene-d8	6.684	136	187414	40.00	ng	-0.01
41) Acenaphthene-d10	8.096	164	103142	40.00	ng	-0.01
67) Phenanthrene-d10	9.550	188	160043	40.00	ng	0.00
81) Chrysene-d12	12.599	240	117891	40.00	ng	-0.01
96) Perylene-d12	14.209	264	114264	40.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.480	112	111952	75.28	ng	0.01
Spiked Amount 100.000			Recovery = 75.28%			
9) Phenol-d5	5.368	99	161218	76.70	ng	0.00
Spiked Amount 100.000			Recovery = 76.70%			
24) Nitrobenzene-d5	6.127	128	29680	36.30	ng	0.00
Spiked Amount 50.000			Recovery = 72.60%			
46) 2-Fluorobiphenyl	7.518	172	137037	38.39	ng	0.00
Spiked Amount 50.000			Recovery = 76.78%			
70) 2,4,6-Tribromophenol	8.834	330	27464	89.16	ng	0.00
Spiked Amount 100.000			Recovery = 89.16%			
84) Terphenyl-d14	11.358	244	137156	43.53	ng	0.00
Spiked Amount 50.000			Recovery = 87.06%			
Target Compounds						Qvalue

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

R


Abundance
TIC: 9M22227.D\data.ms
Quant QT/LSC Reviewed
SampleID : AC48751-024
Data File: 9M22227.D
Acq On : 12/18/09 13:00
Operator : AHD
Sam Mult : 1 Vial# : 11
Misc : S,BNA
Qt Meth : 9M_1217.M
Qt On : 12/18/09 13:53
Qt Upd On: 12/17/09 14:19
6600000
6400000
6200000
6000000
5800000
5600000
5400000
5200000
5000000
4800000
4600000
4400000
4200000
4000000
3800000
3600000
3400000
3200000
3000000
2800000
2600000
2400000
2200000
2000000
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
Time-->
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I

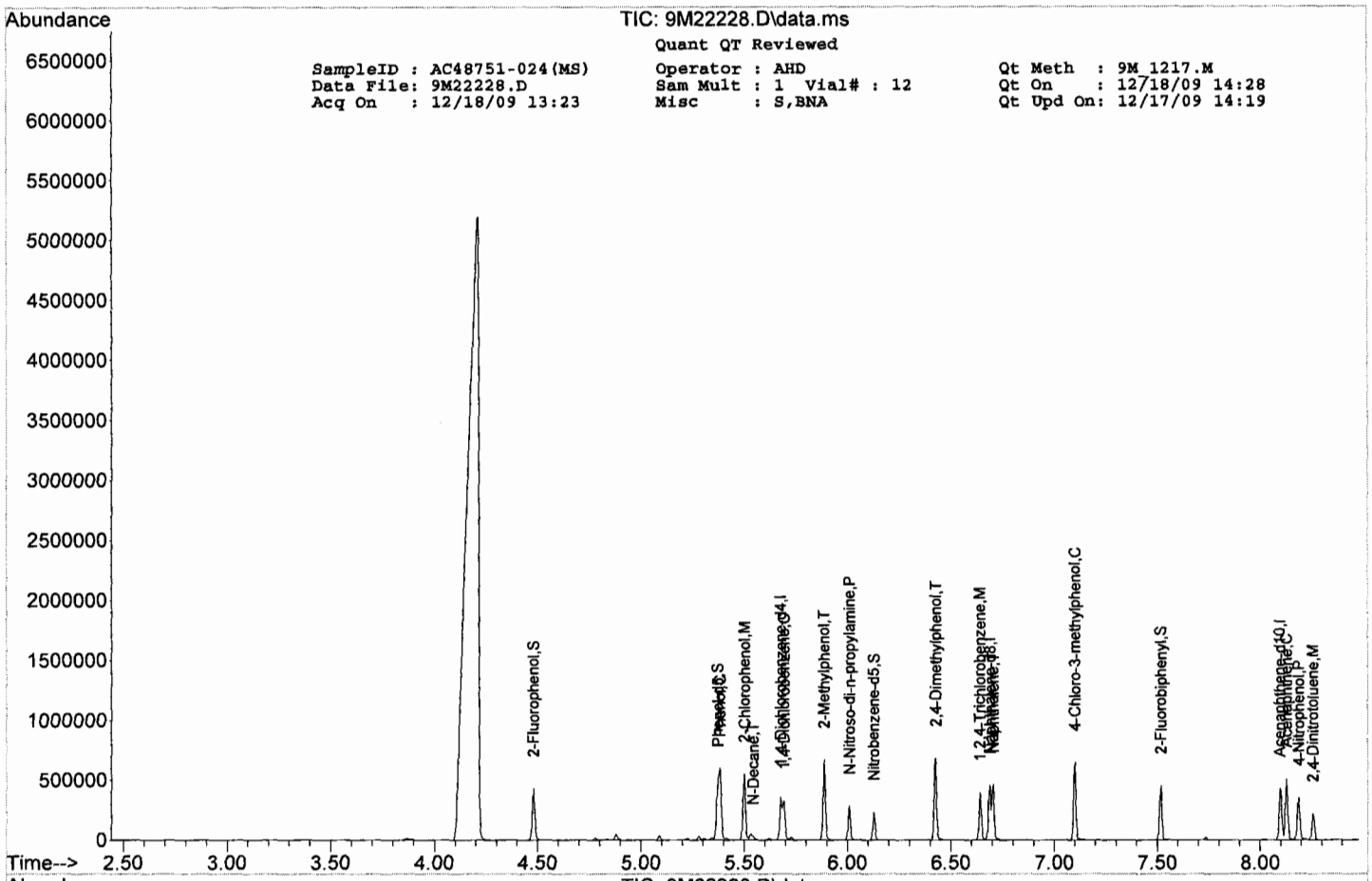
Quantitation Report (QT Reviewed)

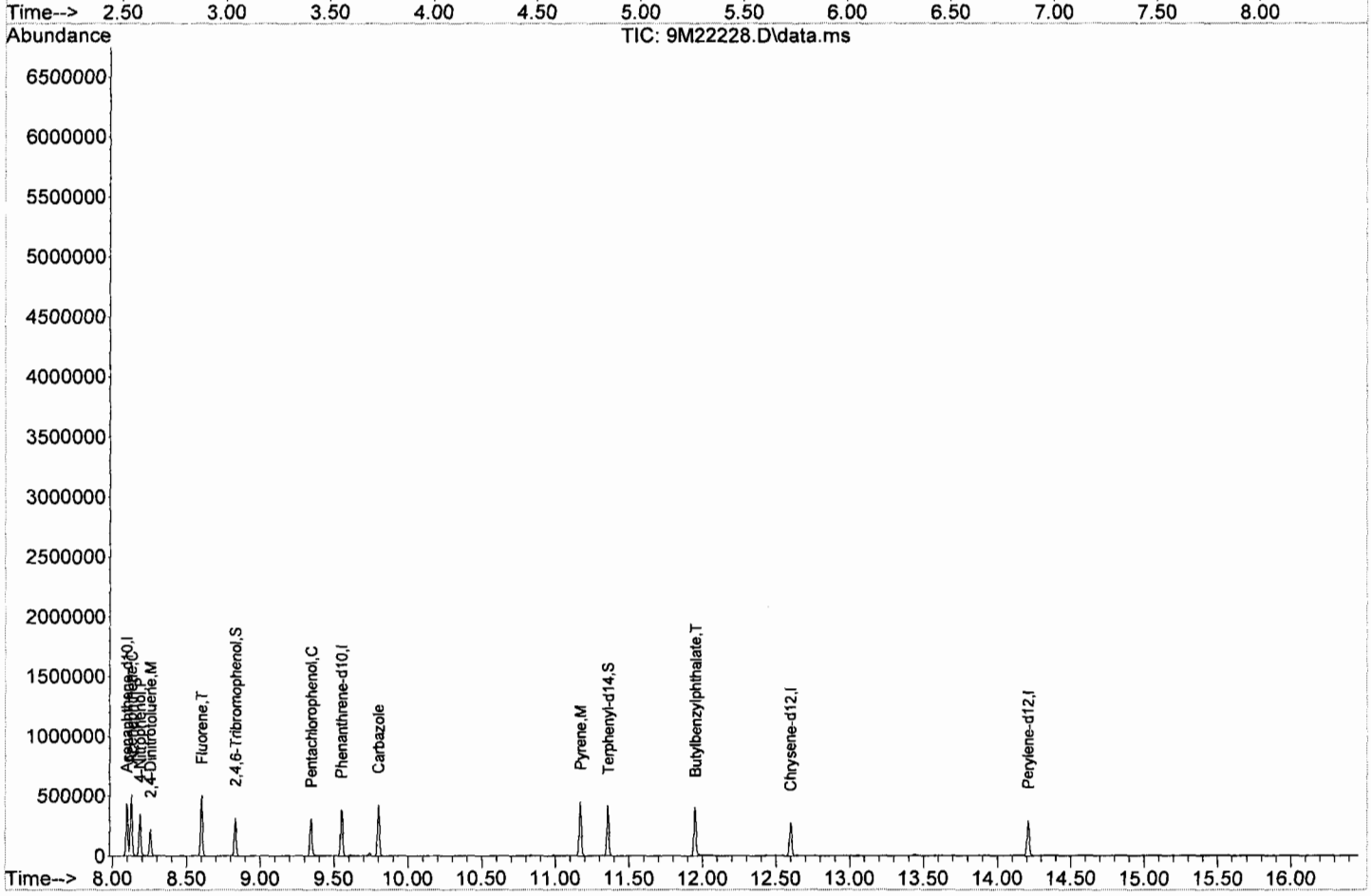
SampleID : AC48751-024(MS) Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22228.D Sam Mult : 1 Vial# : 12 Qt On : 12/18/09 14:28
Acq On : 12/18/09 13:23 Misc : S,BNA Qt Upd On: 12/17/09 14:19

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.678	152	41854	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	161809	40.00	ng	0.00
41) Acenaphthene-d10	8.096	164	86468	40.00	ng	-0.01
67) Phenanthrene-d10	9.550	188	133947	40.00	ng	0.00
81) Chrysene-d12	12.599	240	97928	40.00	ng	-0.01
96) Perylene-d12	14.209	264	95965	40.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.480	112	98095	75.90	ng	0.01
Spiked Amount 100.000			Recovery = 75.90%			
9) Phenol-d5	5.373	99	134450	73.61	ng	0.00
Spiked Amount 100.000			Recovery = 73.61%			
24) Nitrobenzene-d5	6.127	128	24855	35.21	ng	0.00
Spiked Amount 50.000			Recovery = 70.42%			
46) 2-Fluorobiphenyl	7.518	172	115986	38.75	ng	0.00
Spiked Amount 50.000			Recovery = 77.50%			
70) 2,4,6-Tribromophenol	8.834	330	23721	92.01	ng	0.00
Spiked Amount 100.000			Recovery = 92.01%			
84) Terphenyl-d14	11.358	244	117099	44.74	ng	0.00
Spiked Amount 50.000			Recovery = 89.48%			
Target Compounds						Qvalue
10) Phenol	5.384	94	137217	68.07	ng	95
11) 2-Chlorophenol	5.501	128	113389	75.67	ng	82
12) N-Decane	5.544	57	3095	1.72	ng	87
14) 1,4-Dichlorobenzene	5.694	146	59221	35.62	ng	96
18) 2-Methylphenol	5.887	108	100407	74.48	ng	99
21) N-Nitroso-di-n-propyla...	6.010	70	44845	36.77	ng	86
28) 2,4-Dimethylphenol	6.427	107	121426	78.98	ng	97
32) 1,2,4-Trichlorobenzene	6.641	180	51070	39.03	ng	99
33) Naphthalene	6.705	128	166485	38.23	ng	98
37) 4-Chloro-3-methylphenol	7.101	107	102691	78.30	ng	83
55) Acenaphthene	8.128	153	108516	39.26	ng	94
59) 2,4-Dinitrotoluene	8.256	165	32574	35.38	ng	74
60) 4-Nitrophenol	8.186	65	47026	78.98	ng	85
62) Fluorene	8.604	166	124369	40.67	ng	100
75) Pentachlorophenol	9.347	266	28434	82.54	ng	97
78) Carbazole	9.802	167	162761	39.26	ng	97
82) Pyrene	11.171	202	178573	42.97	ng	92
88) Butylbenzylphthalate	11.952	149	94987	41.77	ng	74

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


Abundance
TIC: 9M22228.D\data.ms
Quant QT Reviewed
SampleID : AC48751-024(MS)
Data File: 9M22228.D
Acq On : 12/18/09 13:23
Operator : AHD
Sam Mult : 1 Vial# : 12
Misc : S,BNA
Qt Meth : 9M_1217.M
Qt On : 12/18/09 14:28
Qt Upd On: 12/17/09 14:19
2-Fluorophenol,S
2-Chlorophenol,M
N-Decane,I
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
4-Nitrophenol,C
2,4-Dinitrotoluene,M
Time-->


Abundance
TIC: 9M22228.D\data.ms
2,4-Dinitrotoluene,M
Fluorene,T
2,4,6-Tribromophenol,S
Pentachlorophenol,C
Phenanthrene-d10,I
Carbazole
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Chrysene-d12,I
Perylene-d12,I
Time-->

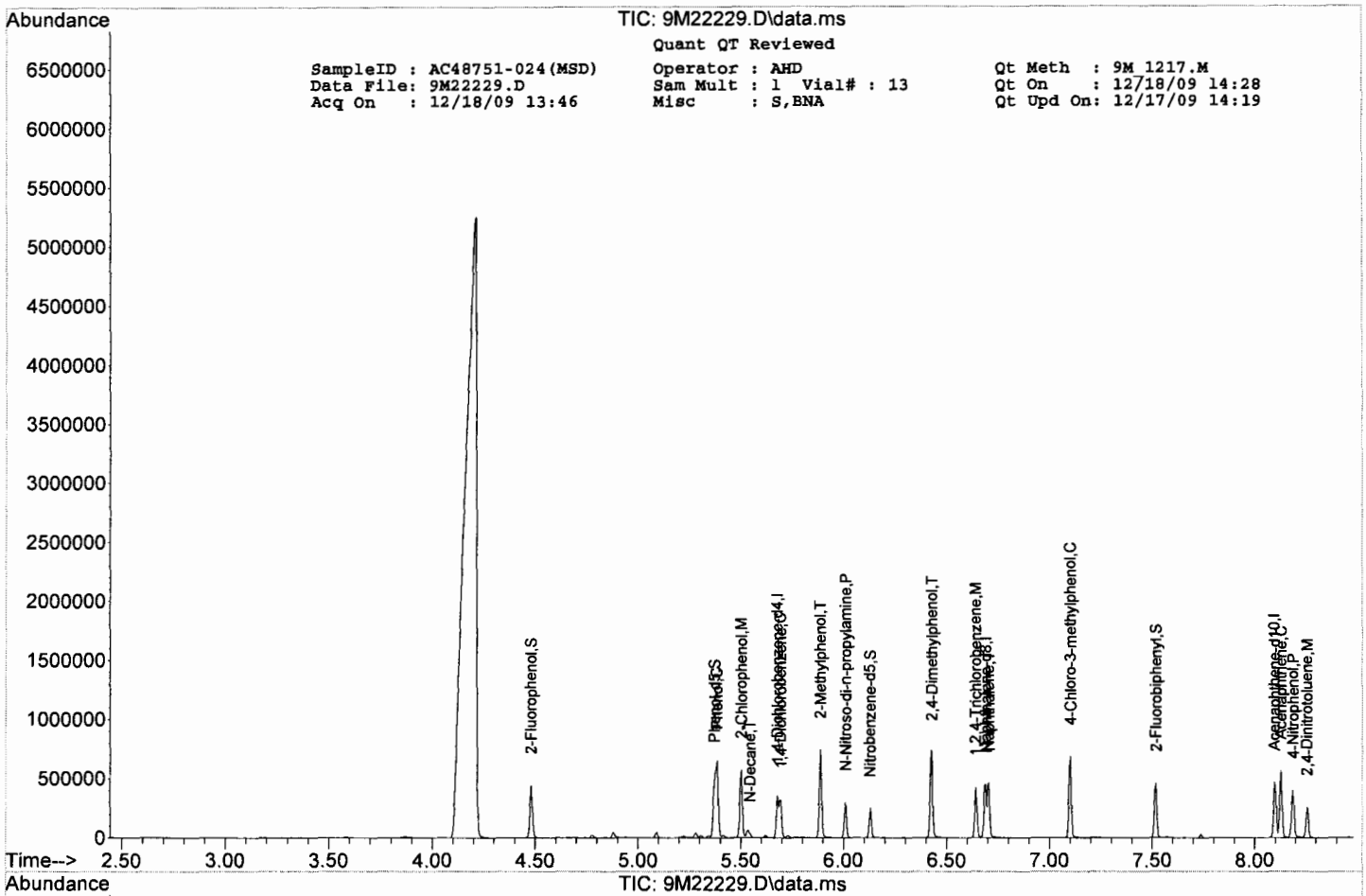
Quantitation Report (QT Reviewed)

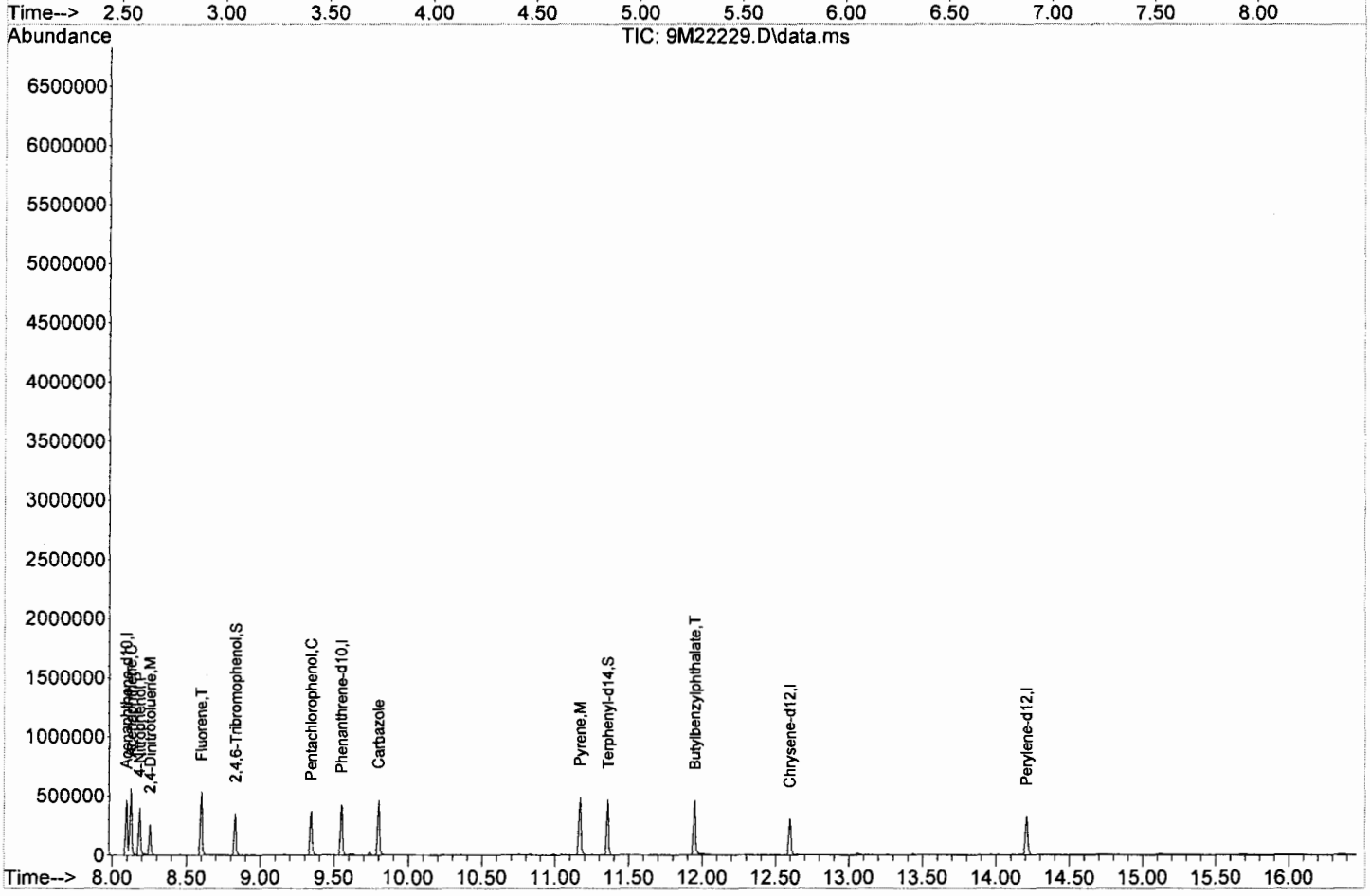
SampleID : AC48751-024(MSD) Operator : AHD Qt Meth : 9M_1217.M
Data File: 9M22229.D Sam Mult : 1 Vial# : 13 Qt On : 12/18/09 14:28
Acq On : 12/18/09 13:46 Misc : S,BNA Qt Upd On: 12/17/09 14:19

Data Path : G:\GcMsData\2009\GCMS_9\Data\12-18-09\
Qt Path : G:\GCMSDATA\2009\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.678	152	41291	40.00	ng	0.00
23) Naphthalene-d8	6.689	136	167217	40.00	ng	0.00
41) Acenaphthene-d10	8.096	164	90087	40.00	ng	-0.01
67) Phenanthrene-d10	9.551	188	146299	40.00	ng	0.00
81) Chrysene-d12	12.599	240	109179	40.00	ng	-0.01
96) Perylene-d12	14.209	264	107808	40.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.480	112	100666	78.95	ng	0.01
Spiked Amount 100.000			Recovery = 78.95%			
9) Phenol-d5	5.373	99	145635	80.82	ng	0.00
Spiked Amount 100.000			Recovery = 80.82%			
24) Nitrobenzene-d5	6.127	128	26704	36.60	ng	0.00
Spiked Amount 50.000			Recovery = 73.20%			
46) 2-Fluorobiphenyl	7.518	172	123525	39.61	ng	0.00
Spiked Amount 50.000			Recovery = 79.22%			
70) 2,4,6-Tribromophenol	8.834	330	24752	87.90	ng	0.00
Spiked Amount 100.000			Recovery = 87.90%			
84) Terphenyl-d14	11.358	244	126179	43.24	ng	0.00
Spiked Amount 50.000			Recovery = 86.48%			
Target Compounds						Qvalue
10) Phenol	5.384	94	150043	75.45	ng	91
11) 2-Chlorophenol	5.502	128	120848	81.75	ng	82
12) N-Decane	5.544	57	3580	2.01	ng	84
14) 1,4-Dichlorobenzene	5.694	146	60157	36.67	ng	98
18) 2-Methylphenol	5.887	108	108327	81.45	ng	100
21) N-Nitroso-di-n-propyla...	6.010	70	48266	40.12	ng	87
28) 2,4-Dimethylphenol	6.427	107	129707	81.63	ng	94
32) 1,2,4-Trichlorobenzene	6.641	180	53147	39.30	ng	97
33) Naphthalene	6.705	128	174156	38.70	ng	99
37) 4-Chloro-3-methylphenol	7.101	107	109922	81.10	ng	78
55) Acenaphthene	8.128	153	115774	40.20	ng	98
59) 2,4-Dinitrotoluene	8.256	165	37492	39.09	ng	76
60) 4-Nitrophenol	8.187	65	53689	86.55	ng	88
62) Fluorene	8.604	166	135721	42.60	ng	99
75) Pentachlorophenol	9.347	266	34552	90.59	ng	98
78) Carbazole	9.802	167	181536	40.09	ng	99
82) Pyrene	11.171	202	198040	42.75	ng	92
88) Butylbenzylphthalate	11.952	149	107765	42.51	ng	75

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


Abundance
TIC: 9M22229.D\data.ms
Quant QT Reviewed
SampleID : AC48751-024(MSD)
Data File: 9M22229.D
Acq On : 12/18/09 13:46
Operator : AHD
Sam Mult : 1 Vial# : 13
Misc : S,BNA
Qt Meth : 9M_1217.M
Qt On : 12/18/09 14:28
Qt Upd On: 12/17/09 14:19
2-Fluorophenol,S
2-Chlorophenol,M
N-Decane,I
2-Methylphenol,T
N-Nitroso-di-n-propylamine,P
Nitrobenzene-d5,S
2,4-Dimethylphenol,T
4-Chloro-3-methylphenol,C
2-Fluorobiphenyl,S
2,4-Dinitrotoluene,M
Time-->


Abundance
TIC: 9M22229.D\data.ms
2,4-Dinitrotoluene,M
Fluorene,T
2,4,6-Tribromophenol,S
Pentachlorophenol,C
Phenanthrene-d10,I
Carbazole
Pyrene,M
Terphenyl-d14,S
Butylbenzylphthalate,T
Chrysene-d12,I
Perylene-d12,I
Time-->

GC/MS Semi-Volatile Data
Logbook Data

Hampton-Clarke/Veritech

Analysis: BN/ BNA /AE

Method Blank No. SMB- 4361
Blank Spike (SMBS): 4361
Blank Spike (SMBS): _____

Date: 12/18/17/09 KR 12/17/09
Matrix Spike: 48751-024
Matrix Spike: _____

SONICATION EXTRACTION (3550B) UNLESS CHECKED HERE: ASE (3545)_____

Sample Number	# in Batch	Initial Volume	Final Volume	Fraction BN	Fraction BNA	Fraction AE	Extracted By/Comments
MB 4361	X	30.0 gm	1.0 ml		X		KR
MBS 4361	X						
MS 48751-024	X						
MSD 48751-024	X						
48751-024	1						
48751-027	2						
48751-038	3						
48770-001	4			X			
48770-002	5						
48828-006	6						
48828-008	7						
48886-001	8				X		
48886-002	9						
48892-001	10						
48892-002	11						
48892-003	12						
48892-004	13						
48917-002	14						
48917-004	15						
48906-001	16						
48906-002	17						
48906-003	18						
48906-004	19						
48940-001	20						

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	various	~~V76604~~ ~~V76104~~ V-76014	BNSPK

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1000/2000	V-59624	BNSURR

KR 12/19/09
KR 01/06/10

Reagent Lots: MeCL2 V-4563 Acetone V-4347 Hexane _____ Na2SO4 V-4497 Ether _____
MTBE _____ Other _____

Relinquished By: KR Date: 12/17/09
Received By: _____ Date: 12/18/09

RUN LOG

1-1-10M09012

Instrument: GCMS_10 Year: 2001
Analyst: AHD

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M0901	CAL DFTPP	Ed1=1.6:Oc	OK,V-75893	AHD		Aqueous	1	1		12/14 11:03
10M0901	CAL BNA@196PPM	Oc	OK,V-78316	AHD		Aqueous	1	1	625 8270	12/14 11:27
10M0901	CAL BNA@160PPM	Oc	OK,V-78315	AHD		Aqueous	1	1	625 8270	12/14 11:49
10M0901	CAL BNA@120PPM	Oc	OK,V-78314	AHD		Aqueous	1	1	625 8270	12/14 12:11
10M0901	CAL BNA@80PPM		OK,V-78313	AHD		Aqueous	1	1	625 8270	12/14 12:34
10M0901	CAL BNA@50PPM		OK,V-78312	AHD		Aqueous	1	1	625 8270	12/14 12:56
10M0901	CAL BNA@20PPM		OK,V-78311	AHD		Aqueous	1	1	625 8270	12/14 13:18
10M0901	CAL BNA@10PPM		OK,V-78310	AHD		Aqueous	1	1	625 8270	12/14 13:40
10M0902	CAL BNA@2PPM		OK,V-78318	AHD		Aqueous	1	1	625 8270	12/14 14:02
10M0902	ICV BNA@50PPM	Is	OK,V-74730	AHD		Aqueous	1	1	625 8270	12/14 14:51

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R18.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Endinn Cal missinn for sample (8000 series)	Iw	Initial cal warninn..Ini cal file <> method..	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checkinn Prep/rundates modcheckpreprunds	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

1-1-9M22188

RUN LOG

Instrument: GCMS_9 Year: 2009
Analyst: AHD

0393

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M22188.	CAL DFTPP	Ed1=0.94;Oc	OK,V-75893	AHD		Aqueous	1	1		12/17 09:03
9M22189.	CAL BNA@50PPM		OK,V-78312	AHD		Aqueous	1	1	625 8270	12/17 10:22
9M22190.	CAL BNA@196PPM	Oc	OK,V-78316	AHD		Aqueous	1	1	625 8270	12/17 10:45
9M22191.	CAL BNA@160PPM	Oc	OK,V-78315	AHD		Aqueous	1	1	625 8270	12/17 11:08
9M22192.	CAL BNA@120PPM		OK,V-78314	AHD		Aqueous	1	1	625 8270	12/17 11:31
9M22193.	CAL BNA@80PPM		OK,V-78313	AHD		Aqueous	1	1	625 8270	12/17 11:53
9M22194.	CAL BNA@20PPM		OK,V-78311	AHD		Aqueous	1	1	625 8270	12/17 12:16
9M22195.	CAL BNA@10PPM	IsC16C18	NOT USED	AHD		Aqueous	1	1	625 8270	12/17 12:39
9M22196.	CAL BNA@2PPM		OK,V-78318	AHD		Aqueous	1	1	625 8270	12/17 13:02
9M22197.	CAL BNA@10PPM		OK,V-78310	AHD		Aqueous	1	1	625 8270	12/17 13:27
9M22198.	ICV BNA@50PPM		OK,V-74730	AHD		Aqueous	1	1	625 8270	12/17 13:50
9M22199.	SMB4360		OK	AHD		Soil	1	1	8270	12/17 14:25
9M22200.	WMB4352(MS)		OK WMB4352	AHD		Aqueous	1	1	625 8270	12/17 14:47
9M22201.	WMB4352		OK	AHD		Aqueous	1	1	625 8270	12/17 15:10
9M22202.	AC48852-001(T)	Esm	OK	AHD	BNATCLP-82	Aqueous	1	1	8270	12/17 15:33
9M22203.	SMB4360(MS)		OK SMB4360	AHD		Soil	1	1	8270	12/17 15:56
9M22204.	AC48721-002		OK SMB4360	AHD	BN-8270	Soil	1	1	8270	12/17 16:19
9M22205.	AC48721-002(MS)		OK SMB4360	AHD	BN-8270	Soil	1	1	8270	12/17 16:42
9M22206.	AC48721-002(MSD)		OK SMB4360	AHD	BN-8270	Soil	1	1	8270	12/17 17:05
9M22207.	AC48736-001		OK	AHD	BNA-8270	Soil	1	1	8270	12/17 17:28
9M22208.	AC48729-004		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 17:50
9M22209.	AC48729-010		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 18:13
9M22210.	AC48729-011		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 18:36
9M22211.	AC48729-012		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 18:59
9M22212.	AC48729-013		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 19:22
9M22213.	AC48729-014		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 19:45
9M22214.	AC48729-015		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 20:08
9M22215.	AC48729-016		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 20:31
9M22216.	AC48729-008		OK	AHD	BNPAH-8270	Soil	1	1	8270	12/17 20:54

Anc	Area Not Checked
Ao	Area Out
B6m	Blank 600 series missing
B8m	Blank 8000 series missing
Bnf	Blank Not Found/Assigned
C16	Calibration Column 1 Out (600 Series)
C18	Calibration Column 1 Out (8000 Series)
C26	Calibration Column 2 Out (600 Series)
C28	Calibration Column 2 Out (8000 Series)
C6f	600 series sample/blank did not have passing cal
C8f	8000 series sample/blank did not have passing cal
Cma	Ending Cal missing for sample (8000 series)
Cn	Calibration Not Checked for sample/blank/eval
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Init Cals
Dnc	Drift Not Checked
Do	Drift Out
Eba	An Extraction Before Collection Date
Emp	Problem Checking Prep/rundates modcheckprepruna
En	Eval Time Not Checked

Eo	Extraction Performed Past Hold
Esm	Solvent Extraction Date Missing/Not check'd
Etn	Tcln/Solvent Extraction Date Missing/Not check'd
Eto	Tcln Extraction Performed Outside of Hold
Ev	Eval Time Exceeded
Hb	Analysis Before Collection Date
Ho	Sample Analyzed outside of hold time
I16,I26	Initial cal 600 series failed Column 1 and or 2
I18,I28	Initial cal 8000 series failed Column 1 and or 2
Is	Initial Cal Not Checked
Iv	Prob with calmt.csv for init calibration chek rfs
Iw	Initial cal warning..Ini cal file <> method
Ix	Initial Cal Files Not Updated Properly for a samp
M16,M26	Spike Out Col 1 and or Col 2 600 series
M16a,M16b	Spike Out Col 1 600 series Acid and or BN
M18,M28	Spike Out Col 1 and or Col 2 8000 series
M18a,M18b	Spike Out Col 1 8000 series Acid and or BN
Mnc	Spike Not Checked for this ms/msd
Oc	Warning Compound(s) Over Calibration

Co	Warning Possible Carry Over
EvF	Eval Mix Failed
Evnc	Eval Mix Not Checked
Evrc	Eval Mix missing ddt or endrin
R16,R26	Rnd Out on MsMsd (col1 and or col2) 600 series
R18,R28	Rnd Out on MsMsd (col1 and or col2) 8000 series
Rn	Retention Time Out Or %Diff Out
Rtn	Can't Calculate Drift
S6	600 series surrogate out
S8	8000 series surrogate out
Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
Sd	Surrogate Diluted Out
Snc	Surrogate Not Checked
Ti5	Outside of 500 series Tune time
Ti6	Outside of 600 series Tune time/Cal Time
Ti8	Outside of 8000 series Tune time/Cal Time
Tm	Too Many Samples/ for beginning Calibration
Tmw	If for 600 ser Too many samples begin Calibration

1-1-10M09119

RUN LOG

Instrument: GCMS_10 Year: 2009
Analyst: AHD

0394

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
10M0911	CAL DFTPP	Ed1=1.8;Oc	OK,V-75893	AHD		Aqueous	1	1		12/18 11:12
10M0912	CAL BNA@50PPM	C16	OK,V-78312	AHD		Aqueous	1	1	625 8270	12/18 12:39
10M0912	SMB4361		OK	AHD		Soil	1	1	8270	12/18 13:00
10M0912	AC48886-001		OK	AHD	BNA25-8270	Soil	1	1	8270	12/18 13:22
10M0912	AC48886-002		OK	AHD	BNA25-8270	Soil	1	1	8270	12/18 13:44
10M0912	AC48892-001(3X)		RR 2X,OK	AHD	BNA25-8270	Soil	3	3	8270	12/18 14:06
10M0912	AC48906-001(3X)		RR 2X,OK	AHD	BNA25-8270	Soil	3	3	8270	12/18 14:28
10M0912	AC48892-002(3X)		RR 2X	JB	BNA25-8270	Soil	3	3	8270	12/18 14:50
10M0912	AC48892-003(3X)		OK	AHD	BNA25-8270	Soil	3	3	8270	12/18 15:12
10M0912	AC48892-004(3X)		OK	AHD	BNA25-8270	Soil	3	3	8270	12/18 15:34
10M0912	AC48940-001(3X)	Oc	RR 6X	JB	BNA25-8270	Soil	3	3	8270	12/18 15:56
10M0913	AC48906-002(3X)		OK	JB	BNA25-8270	Soil	3	3	8270	12/18 16:18
10M0913	AC48906-003(3X)		OK	AHD	BNA25-8270	Soil	3	3	8270	12/18 16:40
10M0913	AC48906-004(3X)		OK	AHD	BNA25-8270	Soil	3	3	8270	12/18 17:02
10M0913	AC48892-002(2X)		OK	AHD	BNA25-8270	Soil	2	2	8270	12/18 17:24
10M0913	AC48906-003(2X)		OK	AHD	BNA25-8270	Soil	2	2	8270	12/18 17:46
10M0913	AC48940-001(6X)		OK	AHD	BNA25-8270	Soil	6	6	8270	12/18 18:08
10M0913	SMB4362		OK	AHD		Soil	1	1	8270	12/18 18:30
10M0913	AC48917-006	Sa8Sb8AoRoOc	RE-EXTRACT	AHD	BNA-8270	Soil	1	1	8270	12/18 18:52
10M0913	AC48917-008	Sa8Sb8AoRoOc	RE-EXTRACT	AHD	BNA-8270	Soil	1	1	8270	12/18 19:14
10M0913	AC48745-005	Sb8Ao	RE-EXTRACT	AHD	BNPAH-8270	Soil	1	1	8270	12/18 19:36
10M0914	AC48745-003(10X)	AoRo	RE-EXTRACT	AHD	BNPAH-8270	Soil	10	10	8270	12/18 19:58
10M0914	AC48745-002(10X)	AoRo	RE-EXTRACT	AHD	BNPAH-8270	Soil	10	10	8270	12/18 20:20
10M0914	TEST					Soil	1	1	8270	12/18 20:42
10M0914	TEST					Soil	1	1	8270	12/18 21:04
10M0914	TEST					Soil	1	1	8270	12/18 21:26

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Data Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Data Missing/Not check'd	Evnc	Eval Mix Not Checked
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18.R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	Calibration Column 2 Out (600 Series)	I16.I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Endicp Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method.	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cals or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a.M16b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	M18a.M18b	Spike Out Col 1 8000 series Acid and or BN	Ti8	Outside of 8000 series Tune time/Cal Time
Emp	Problem Checking Prep/rundates modcheckprepruns	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

RUN LOG

Instrument: GCMS_9 Year: 2009
Analyst: AHD 0395

1-1-9M22217

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
9M22217.	CAL DFTPP	Ed1=1.3;Oc	O,OK,V-75893	AHD		Aqueous	1	1		12/18 09:06
9M22218.	CAL BNA@50PPM		OK,V-78312	AHD		Aqueous	1	1	625 8270	12/18 09:32
9M22219.	WMB4353		OK	AHD		Aqueous	1	1	625 8270	12/18 09:57
9M22220.	SMB4361		OK	AHD		Soil	1	1	8270	12/18 10:20
9M22221.	SMB4361(MS)		OK SMB4361	AHD		Soil	1	1	8270	12/18 10:43
9M22222.	AC48874-001		OK	AHD	BNA-625	Aqueous	1	1	625	12/18 11:06
9M22223.	AC48875-001		OK	AHD	BN15-625	Aqueous	1	1	625	12/18 11:29
9M22224.	AC48875-002		OK	AHD	BN15-625	Aqueous	1	1	625	12/18 11:51
9M22225.	AC48828-006		OK	AHD	BN-8270	Soil	1	1	8270	12/18 12:14
9M22226.	AC48828-008	Oc	RR 10X	JB	BN-8270	Soil	1	1	8270	12/18 12:37
9M22227.	AC48751-024		OK SMB4361	AHD	BNA25-8270	Soil	1	1	8270	12/18 13:00
9M22228.	AC48751-024(MS)		OK SMB4361	AHD	BNA25-8270	Soil	1	1	8270	12/18 13:23
9M22229.	AC48751-024(MSD)		OK SMB4361	AHD	BNA25-8270	Soil	1	1	8270	12/18 13:46
9M22230.	WMB4354		OK	AHD		Aqueous	1	1	625 8270	12/18 14:09
9M22231.	AC48828-008(10X)		OK	AHD	BN-8270	Soil	10	10	8270	12/18 14:32
9M22232.	AC48751-027		OK	AHD	BNA25-8270	Soil	1	1	8270	12/18 14:55
9M22233.	AC48751-038		OK	AHD	BNA25-8270	Soil	1	1	8270	12/18 15:17
9M22234.	AC48770-001		OK	AHD	BN15-8270	Soil	1	1	8270	12/18 15:40
9M22235.	AC48770-002		OK	AHD	ERROR	Soil	1	1	8270	12/18 16:03
9M22236.	AC48917-004		OK	AHD	BNA-8270	Soil	1	1	8270	12/18 16:26
9M22237.	SMB4362(MS)		OK SMB4362	AHD		Soil	1	1	8270	12/18 16:49
9M22238.	SMB4362		OK	AHD		Soil	1	1	8270	12/18 17:12
9M22239.	AC48917-002		OK	AHD	BNA-8270	Soil	1	1	8270	12/18 17:34
9M22240.	AC48760-003		OK SMB4362	AHD	BNPAH-8270	Soil	1	1	8270	12/18 17:57
9M22241.	AC48760-003(MS)		OK SMB4362	AHD	BNPAH-8270	Soil	1	1	8270	12/18 18:20
9M22242.	AC48760-003(MSD)		OK SMB4362	AHD	BNPAH-8270	Soil	1	1	8270	12/18 18:43
9M22243.	AC48760-004	Sb8AoRoOc	RR,RE-EXTRACT	AHD	BNPAH-8270	Soil	1	1	8270	12/18 19:06
9M22244.	AC48917-010	Ao	RR	AHD	BNA-8270	Soil	1	1	8270	12/18 19:29

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	EvF	Eval Mix Failed
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	*Evnc*	*Eval Mix Not Checked*
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	Evrc	Eval Mix missing ddt or endrin
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	R16.R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	R18.R28	*Rpd Out on MsMsd (col1 and or col2) 8000 series*
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	Ro	Retention Time Out Or %Diff Out
C26	*Calibration Column 2 Out (600 Series)*	I16.I26	Initial cal 600 series failed Column 1 and or 2	Rtn	Can't Calculate Drift
C28	Calibration Column 2 Out (8000 Series)	I18.I28	Initial cal 8000 series failed Column 1 and or 2	S6	600 series surrogate out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	S8	8000 series surrogate out
C8f	*8000 series sample/blank did not have passing cal*	Iv	Prob with calrpt.csv for init calibration chek rfs	Sa6.Sb6	Acid and or BN Surrogate Out (600 series)
Cme	Endinn Cal missing for sample (8000 series)	Iw	Initial cal warning..Ini cal file <> method..	Sa8.Sb8	Acid and or BN Surrogate Out (8000 series)
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sd	Surrogate Diluted Out
D1o.D2o	Drift Out Column 1 or Column 2 Cels or Init Cals	M16.M26	Spike Out Col 1 and or Col 2 600 series	Snc	Surrogate Not Checked
Dnc	Drift Not Checked	M16a.M18b	Spike Out Col 1 600 series Acid and or BN	Ti5	Outside of 500 series Tune time
Do	Drift Out	M18.M28	Spike Out Col 1 and or Col 2 8000 series	Ti6	Outside of 600 series Tune time/Cal Time
Eba	An Extraction Before Collection Date	*M18a.M18b*	*Spike Out Col 1 8000 series Acid and or BN*	Ti8	Outside of 8000 series Tune time/Cal Time
Emn	Problem Checking Prep/rundates modcheckprepround	Mnc	Spike Not Checked for this ms/msd	Tm	Too Many Samples/ for beginning Calibration
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Tmw	If for 600 ser Too many samples begin Calibration

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-76014

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: akmal
Description: BNA SOIL SPIKE MIX	BatchNumber:	ApproveDate: 11/02/09
Prep Date: 10/30/2009	Concentration: Various	Checked: Yes
Expiration Date: 10/30/2010	Final Volume: 200 ml	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4257	Acetone	200 ml	neat neat	
3294	Pentachlorophenol	.4 g	neat	2000 ppm
3732	4-Nitrophenol	.4 g	neat neat	2000 ppm
3733	Phenol	.4 g	neat neat	2000 ppm
2814	4-CHLORO-3-METHYLPHENOL	.4 g	NEAT neat	2000 ppm
3742	2-CHLOROPHENOL	.4 g	NEAT neat	2000 ppm
2845	2-Methylphenol	.4 g	neat neat	2000 ppm
3295	2,4-Dimethylphenol	.4 g	neat neat	2000 ppm
2338	1,2,4-Trichlorobenzene	.2 g	neat neat	1000 ppm
4499	1,4-DICHLOROBENZENE	.2 g	neat neat	1000 ppm
1886	CARBAZOLE	.2 g	NEAT	1000 ppm
1885	BUTYL BENZYL PHTHALATE	.2 g	NEAT	1000 ppm
2849	Fluorene	.2 g	neat neat	1000 ppm
2850	Naphthalene	.2 g	neat neat	1000 ppm
2851	N-Nitroso-n-propylamine	.2 g	neat neat	1000 ppm
2852	2,4-Dinitrotoluene	.2 g	neat neat	1000 ppm
2853	Pyrene	.2 g	neat neat	1000 ppm
3736	Acenaphthene	.2 g	neat neat	1000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-58452

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1
Prep Date: 1/7/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 09/01/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2184	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
3790	methylene chloride	10 ml	neat neat	

Veritech Lot Number: V-58453

Prepared By: Hamid, Akmal
Description: 8270 EXTRA MIX#1(2nd Source)
Prep Date: 1/7/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber:
Concentration: 10000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2184	ATRAZINE	.1 g	NEAT	10000 ppm
3798	ACETOPHENONE	.1 g	NEAT neat	10000 ppm
1810	1,2,4,5-TETRACHLOROBENZENE	.1 g	NEAT	10000 ppm
1809	DIPHENYL ETHER	.1 g	NEAT	10000 ppm
1431	E-Caprolactam	.1 g	Neat neat	10000 ppm
1430	Benzaldehyde	.1 g	Neat neat	10000 ppm
3792	Acetone	10 ml	neat neat	

Veritech Lot Number: V-59624

Prepared By: Hamid, Akmal
Description: BNA Surrog.Std.
Prep Date: 1/26/2009
Expiration Date: 1/25/2010
Department: Organics
BatchNumber:
Concentration: 1000-2000 pp
Final Volume: 1000 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1690	2-Fluorobiphenyl	1 g	Neat neat	1000 ppm
2930	p-Terphenyl-d14	1 g	neat neat	1000 ppm
2586	Phenol-d5	2 g	neat neat	2000 ppm
2874	2-FLUOROPHENOL	1.6 ml	NEAT neat	2000 ppm
2584	Nitrobenzene-d5	800 ul	Neat neat	1000 ppm
2585	2,4,6-Tribromophenol	2 g	Neat neat	2000 ppm
3792	Acetone	1000 ml	neat neat	

Veritech Lot Number: V-62910

Prepared By: Hamid, Akmal
Description: DFTPP STOCK STD.
Prep Date: 3/24/2009
Expiration Date: 3/24/2010
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 5 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3993	Methylene Chloride	5 ml	neat neat	
3203	DFTPP	.01 g	neat	2000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-62912

Prepared By: Hamid, Akmal
Description: BNA-5 MIX
Prep Date: 3/24/2009
Expiration Date: 3/24/2010
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
2395	n-Decane	.05 g	NEAT	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
3993	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-63020

Prepared By: Hamid, Akmal
Description: Pyridine Stock Std.
Prep Date: 3/26/2009
Expiration Date: 3/26/2010
Department: Organics
BatchNumber:
Concentration: 10,000 ppm
Final Volume: 1 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3803	PYRIDINE	10 ul	NEAT neat	10000 ppm
3993	Methylene Chloride	990 ul	neat neat	

Veritech Lot Number: V-63101

Prepared By: Hamid, Akmal
Description: BNA-6 MIX
Prep Date: 3/27/2009
Expiration Date: 3/27/2010
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2176	PENTACHLOROETHANE	.05 g	NEAT	5000 ppm
2394	n-Octadecane	.05 g	NEAT	5000 ppm
2395	n-Decane	.05 g	NEAT	5000 ppm
2185	BIPHENYL	.05 g	NEAT	5000 ppm
3818	1,4-Dimethylnaphthalene	.0518 g	96.5%	5000 ppm
4004	2,3,4,6-Tetrachlorophenol	.05 g	Neat neat	5000 ppm
3993	Methylene Chloride	10 ml	neat neat	

Veritech Lot Number: V-67466

Prepared By: Hamid, Akmal
Description: BNA Internal Std.
Prep Date: 6/11/2009
Expiration Date: 6/11/2010
Department: Organics
BatchNumber:
Concentration: 2000 ppm
Final Volume: 500 ml
ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4176	Naphthalene-D8	1 g	neat neat	2000 ppm
4173	Phenanthrene-D10	1 g	neat neat	2000 ppm
2613	Chrysene	1 g	neat neat	2000 ppm
4174	Perylene-D12	1 g	neat neat	2000 ppm
2615	1,4-Dichlorobenzene-d4	1 g	neat neat	2000 ppm
4172	Acenaphthene-D10	1 g	neat neat	2000 ppm
4157	METHYLENE CHLORIDE	500 ml	NEAT neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-73986

Prepared By: Hamid, Akmal
Description: BNA-Pest Mix
Prep Date: 9/28/2009
Expiration Date: 9/27/2010
Department: Organics
BatchNumber:
Concentration: 1000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 10/02/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3639	4.4'-DDT	.01 g	NEAT	1000 ppm
3640	4.4'-DDD	.01 g	NEAT	1000 ppm
3641	4.4'-DDE	.01 g	NEAT	1000 ppm
3642	ENDRIN	.01 g	NEAT	1000 ppm
4390	Endrin Aldehyde	.01 g	neat neat	1000 ppm
4391	Endrin Ketone	.01 g	neat neat	1000 ppm
4396	METHYLENE CHLORIDE	10 ml	neat	

Veritech Lot Number: V-74729

Prepared By: Hamid, Akmal
Description: BNA STOCK Std.B
Prep Date: 10/8/2009
Expiration Date: 1/25/2010
Department: Organics
BatchNumber:
Concentration: 250 ppm
Final Volume: 1.2 ml
ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
3173	Tcl PAH Mix	150 ul	2000 ppm	250 ppm
3879	TCL Phenol/Benzidines Mix	150 ul	2000 ppm	250 ppm
3880	TCL Hazardous Substances Mix	150 ul	2000 ppm	250 ppm
3881	TCL Base Neutral Mix	150 ul	2000 ppm	250 ppm
V-59624	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
V-63020	Pyridine Stock Std.	30 ul	10,000 ppm	250 ppm
V-63101	BNA-6 MIX	60 ul	5000 ppm	250 ppm
4325	methylene chloride	360 ul	neat neat	

Veritech Lot Number: V-74730

Prepared By: Hamid, Akmal
Description: BNA ICV CAL@50PPM
Prep Date: 10/8/2009
Expiration Date: 1/7/2010
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 0.2 ml
ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4325	methylene chloride	155 ul	neat neat	
V-74729	BNA STOCK Std.B	40 ul	250 ppm	50 ppm
V-67466	BNA Internal Std.	4 ul	2000 ppm	40 ppm
V-58453	8270 EXTRA MIX#1(2nd Source)	1 ul	10000 ppm	50 ppm

Veritech Lot Number: V-75893

Prepared By: Bis, Yolanta
Description: DFTPP Mix
Prep Date: 10/27/2009
Expiration Date: 3/24/2010
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 4 ml
ApprovedBy: jean
ApproveDate: 10/28/09
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-62910	DFTPP STOCK STD.	100 ul	2000 ppm	50 ppm
4427	DDT/ENDRIN MIX	800 ul	500 ppm	100 ppm
3879	TCL Phenol/Benzidines Mix	200 ul	2000 ppm	100 ppm
4434	METHYLENE CHLORIDE	2900 ul	neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-76550

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: FRANK
Description: BNA STOCK Std.A | BatchNumber: | ApproveDate: 11/12/09
Prep Date: 11/12/2009 | Concentration: 250 ppm | Checked: Yes
Expiration Date: 1/25/2010 | Final Volume: 1.2 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
4454	8270 MegaMix	300 ul	1000 ppm	250 ppm
V-73986	BNA-Pest Mix	300 ul	1000 ppm	250 ppm
4455	Benzoic Acid	150 ul	2000 ppm	250 ppm
4456	Benzidine Cal Mix	150 ul	2000 ppm	250 ppm
V-59624	BNA Surrog.Std.	150 ul	1000-2000 pp	125-250 pp
v-62912	BNA-5 MIX	60 ul	5000 ppm	250 ppm
4490	Methylene Chloride	90 ul	neat	

Veritech Lot Number: V-78309

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA STOCK Std. | BatchNumber: | ApproveDate: 12/17/09
Prep Date: 11/12/2009 | Concentration: 200 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 500 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-58452	8270 EXTRA MIX#1	10 ul	10000 ppm	200 ppm
4563	Methylene Chloride	90 ul	neat neat	
V-76550	BNA STOCK Std.A	400 ul	250 ppm	200 ppm

Veritech Lot Number: V-78310

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 10 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 10 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	93 ul	neat neat	

Veritech Lot Number: V-78311

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 20 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 20 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	10 ul	200 ppm	20 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	88 ul	neat neat	

Veritech Lot Number: V-78312

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 50 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 600 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-67466	BNA Internal Std.	12 ul	2000 ppm	40 ppm
4563	Methylene Chloride	438 ul	neat neat	
V-78309	BNA STOCK Std.	150 ul	200 ppm	50 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-78313

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 80 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 80 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	58 ul	neat neat	

Veritech Lot Number: V-78314

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 120 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 120 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	38 ul	neat neat	

Veritech Lot Number: V-78315

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 160 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 160 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	18 ul	neat neat	

Veritech Lot Number: V-78316

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 196 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 196 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	98 ul	200 ppm	196 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	0	neat neat	

Veritech Lot Number: V-78317

Prepared By: Hamid, Akmal | Department: Organics | ApprovedBy: akmal
Description: BNA 50 ppm curve | BatchNumber: B-6925 | ApproveDate: 12/17/09
Prep Date: 12/14/2009 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 1/7/2010 | Final Volume: 100 ul

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78309	BNA STOCK Std.	25 ul	200 ppm	50 ppm
4563	Methylene Chloride	75 ul	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-78318

Prepared By: Hamid, Akmal	Department: Organics	ApprovedBy: akmal
Description: BNA 2 ppm curve	BatchNumber: B-6925	ApproveDate: 12/17/09
Prep Date: 12/14/2009	Concentration: 2 ppm	Checked: Yes
Expiration Date: 1/7/2010	Final Volume: 100 ul	

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-78317	BNA 50 ppm curve	4 ul	50 ppm	2 ppm
V-67466	BNA Internal Std.	2 ul	2000 ppm	40 ppm
4563	Methylene Chloride	94 ul	neat neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1430

Description
Benzaldehyde

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	B1334-2G	08505LB	02/20/04	02/20/11	Hamid, Akmal	1	2G	Neat	Neat

Veritech Control/Receipt Number: 1431

Description
E-Caprolactam

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	C2204-5G	05824JI	02/20/04	02/20/11	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 1690

Description
2-Fluorobiphenyl

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Aldrich	102741-2.5	18309PD	05/02/06	05/07/10	Hamid, Akmal	2	2.5g	Neat	Neat

Veritech Control/Receipt Number: 1809

Description
DIPHENYL ETHER

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	240834-5G	09303PC	06/23/06	06/23/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 1810

Description
1,2,4,5-TETRACHLOROBENZENE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	131857-5G	06024AI	06/27/06	06/27/20	Revolus, Jean	1	5G	NEAT	

Veritech Control/Receipt Number: 2176

Description
PENTACHLOROETHANE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F937	376-75A	01/22/07	01/31/12	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2184

Description
ATRAZINE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2208	348-144A	01/29/07	10/31/11	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2185

Description
BIPHENYL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F1062	348-144A	01/29/07	10/31/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 2394

Description
n-Octadecane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2188	381-22A	05/03/07	04/30/13	Revolus, Jean	1	2g	NEAT	

Veritech Control/Receipt Number: 2395

Description
n-Decane

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2182	372-50A	05/03/07	11/30/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 2584

Description
Nitrobenzene-d5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	151955	ST1692	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2585

Description
2,4,6-Tribromophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	137715	14726KD	06/24/07	04/03/12	Hamid, Akmal	1	5g	Neat	Neat

Veritech Control/Receipt Number: 2586

Description
Phenol-d5

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Isotec	425370	EW0108	06/24/07	04/03/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2613

Description
Chrysene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-261-001	PR-17865/01227CH	07/10/07	04/16/12	Hamid, Akmal	3	3g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2615

Description
1,4-Dichlorobenzene-d4

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-268	PR-12866/06201DB1	07/10/07	04/16/12	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2874

Description
2-FLUOROPHENOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ALDRICH	F12804-10G	01816PE	11/15/07	11/15/20	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 2930

Description
p-Terphenyl-d14

ApprovedBy: jean
ApproveDate: 12/02/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Isotec	364630-500MG	EW1627	12/06/07	12/05/12	Hamid, Akmal	5	500m	neat	neat

Veritech Control/Receipt Number: 3173

Description
Tcl PAH Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	48905-U	LB49970	03/24/08	08/31/10	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 3203

Description
DFTPP

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	442543	LB52744	04/01/08	10/31/10	Hamid, Akmal	1	100m	neat	

Veritech Control/Receipt Number: 3639

Description
4.4'-DDT

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F92	402-104B	09/26/08	06/30/11	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 3640

Description
4.4'-DDD

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F94	407-7A	09/26/08	07/31/11	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3641

Description
4.4'-DDE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F93	407-64A	09/26/08	08/31/14	Revolus, Jean	1	100m	NEAT	

Veritech Control/Receipt Number: 3642

Description
ENDRIN

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F98	402-16A	09/26/08	04/30/12	Revolus, Jean	1	250m	NEAT	

Veritech Control/Receipt Number: 3790

Description
methylene chloride

ApprovedBy: jean
ApproveDate: 09/01/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	926403	G454003	12/23/08	12/22/10	Okomeng, Maxwel	120	4LT	neat	neat

Veritech Control/Receipt Number: 3792

Description
Acetone

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	925403	G44E07	12/23/08	12/22/10	Okomeng, Maxwel	4	4LT	neat	neat

Veritech Control/Receipt Number: 3798

Description
ACETOPHENONE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	O-821	383-95A	01/02/09	06/30/12	Hamid, Akmal	1	10G	NEAT	NEAT

Veritech Control/Receipt Number: 3803

Description
PYRIDINE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P368-500	085002	01/06/09	01/05/12	Miller,Gael E.	1	500M	NEAT	NEAT

Veritech Control/Receipt Number: 3818

Description
1,4-Dimethylnaphthalene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1020	3999-95B	01/07/09	05/31/12	Hamid, Akmal	5	0.1g	96.5%	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3879

Description
TCL Phenol/Benzidines Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47992-U	LB59885	01/27/09	07/31/11	Hamid, Akmal	3	1ml	2000	ppm

Veritech Control/Receipt Number: 3880

Description
TCL Hazardous Substances Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47990-U	LB64301	01/27/09	01/31/12	Hamid, Akmal	3	1ml	2000	ppm

Veritech Control/Receipt Number: 3881

Description
TCL Base Neutral Mix

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	47991-u	LB48148	01/27/09	05/31/10	Hamid, Akmal	1	1ml	2000	ppm

Veritech Control/Receipt Number: 3993

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	9264-03	G51403	03/24/09	03/23/11	Lopez, Jose	120	4L	neat	neat

Veritech Control/Receipt Number: 4004

Description
2,3,4,6-Tetrachlorophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F1086	395-102B	03/26/09	01/31/12	Hamid, Akmal	5	250m	Neat	Neat

Veritech Control/Receipt Number: 4157

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T BAKER	926403	G51403	06/02/09	06/01/11	Okomeng, Maxwel	120	4LT	NEAT	NEAT

Veritech Control/Receipt Number: 4172

Description
Acenaphthene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-108	PR-19991	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4173

Description
Phenanthrene-D10

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-371	PR19222	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4174

Description
Perylene-D12

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-366	PR16756	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4176

Description
Naphthalene-D8

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CIL	DLM-365	PR-17975/12076NP2	06/11/09	06/11/16	Hamid, Akmal	2	1g	neat	neat

Veritech Control/Receipt Number: 4325

Description
methylene chloride

ApprovedBy: richq
ApproveDate: 08/10/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T baker	926403	H22S00	08/10/09	08/09/11	Okomeng, Maxwel	8	4LT	neat	neat

Veritech Control/Receipt Number: 4390

Description
Endrin Aldehyde

ApprovedBy: jean
ApproveDate: 09/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F99	426-80A	09/11/09	09/30/12	Hamid, Akmal	2	10mg	neat	neat

Veritech Control/Receipt Number: 4391

Description
Endrin Ketone

ApprovedBy: jean
ApproveDate: 09/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F2022	419-26B	09/11/09	01/31/13	Hamid, Akmal	2	10mg	neat	neat

Veritech Control/Receipt Number: 4396

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 09/15/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.BAKER	926403	H30S12	09/15/09	10/30/10	Okomeng, Maxwel	72	4LT	neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4427

Description
DDT/ENDRIN MIX

ApprovedBy: jean
ApproveDate: 10/06/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	4-8282	LB52469	09/29/09	10/31/10	Hamid, Akmal	3	1ML	500	PPM

Veritech Control/Receipt Number: 4434

Description
METHYLENE CHLORIDE

ApprovedBy: jean
ApproveDate: 10/01/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.BAKER	926403	H30S12	09/29/09	10/30/10	Okomeng, Maxwel	120	4LT	neat	

Veritech Control/Receipt Number: 4454

Description
8270 MegaMix

ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31850	A070659	10/13/09	04/30/11	Hamid, Akmal	1	1ml	1000	ppm

Veritech Control/Receipt Number: 4455

Description
Benzoic Acid

ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31879	A067682	10/13/09	05/31/13	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4456

Description
Benzidine Cal Mix

ApprovedBy: jean
ApproveDate: 10/14/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Restek	31030	A066003	10/13/09	03/31/17	Hamid, Akmal	2	1ml	2000	ppm

Veritech Control/Receipt Number: 4490

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 11/18/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	926403	H30S12	10/27/09	11/30/10	Okomeng, Maxwel	120	4LT	neat	

Veritech Control/Receipt Number: 4563

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/10/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T. Baker	9264-03	H45S00	12/10/09	02/28/11	Quimby, Richard	120	4L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 1885

Description
BUTYL BENZYL PHTHALATE

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	PT-10	361-91B	08/09/06	04/30/11	Revolus, Jean	1	5g	NEAT	

Veritech Control/Receipt Number: 1886

Description
CARBAZOLE

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEMSERVICE	F2001	364-113C	08/09/06	07/31/11	Revolus, Jean	1	2G	NEAT	

Veritech Control/Receipt Number: 2338

Description
1,2,4-Trichlorobenzene

ApprovedBy: FRANK
ApproveDate: 11/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F8	366-78A	04/03/07	11/30/11	Hamid, Akmal	3	3g	neat	neat

Veritech Control/Receipt Number: 2814

Description
4-CHLORO-3-METHYLPHENOL

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CHEM SERVICE	F22	392-28A	10/16/07	10/31/10	Hamid, Akmal	1	5G	NEAT	NEAT

Veritech Control/Receipt Number: 2845

Description
2-Methylphenol

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F711	383-91A	10/31/07	06/30/11	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 2849

Description
Fluorene

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F80	368-40B	10/31/07	08/31/11	Hamid, Akmal	2	2g	neat	neat

Veritech Control/Receipt Number: 2850

Description
Naphthalene

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F55	381--115A	10/31/07	06/30/12	Hamid, Akmal	1	5g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2851

Description
N-Nitroso-n-propylamine

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F63	377-108B	10/31/07	06/03/11	Hamid, Akmal	2	2g	neat	neat

Veritech Control/Receipt Number: 2852

Description
2,4-Dinitrotoluene

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F35	371-123A	10/31/07	11/30/11	Hamid, Akmal	2	2g	neat	neat

Veritech Control/Receipt Number: 2853

Description
Pyrene

ApprovedBy: akmal
ApproveDate: 08/12/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
chem service	F84	390-36B	10/31/07	09/12/12	Hamid, Akmal	2	2g	neat	neat

Veritech Control/Receipt Number: 3294

Description
Pentachlorophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F64	401-96B	04/24/08	04/30/13	Hamid, Akmal	2	1g	neat	

Veritech Control/Receipt Number: 3295

Description
2,4-Dimethylphenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F34	396-115A	04/24/08	03/31/13	Hamid, Akmal	2	1gm	neat	neat

Veritech Control/Receipt Number: 3732

Description
4-Nitrophenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	F58	409-36B	11/12/08	08/31/11	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 3733

Description
Phenol

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	F65	404-20B	11/12/08	05/31/14	Hamid, Akmal	1	5g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 3736

Description
Acenaphthene

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Supelco	O-782	380-77B	11/12/08	03/31/13	Hamid, Akmal	1	5g	neat	neat

Veritech Control/Receipt Number: 3742

Description
2-CHLOROPHENOL

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	F24	414-90A	11/13/08	11/30/12	Hamid, Akmal	1	5g	NEAT	NEAT

Veritech Control/Receipt Number: 4257

Description
Acetone

ApprovedBy: jean
ApproveDate: 07/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T.Baker	925403	H02E60	07/21/09	07/20/11	Lopez, Jose	4	4L	neat	neat

Veritech Control/Receipt Number: 4499

Description
1,4-DICHLOROBENZENE

ApprovedBy: akmal
ApproveDate: 10/30/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Chem Service	F27	414-85B	10/30/09	11/30/13	Hamid, Akmal	1	5g	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 4347

Description
Acetone

ApprovedBy: richq
ApproveDate: 08/19/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J T Baker	925403	H10E11	08/18/09	06/30/10	Okomeng, Maxwel	32	4LT	neat	neat

Veritech Control/Receipt Number: 4497

Description
Sodium Sulfate

ApprovedBy: jean
ApproveDate: 10/27/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Seidler	SC--3375--1C	933101	10/27/09	10/26/11	Okomeng, Maxwel	4	100L	neat	

Veritech Control/Receipt Number: 4563

Description
Methylene Chloride

ApprovedBy: jean
ApproveDate: 12/10/09
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
J.T. Baker	9264-03	H45S00	12/10/09	02/28/11	Quimby, Richard	120	4L	neat	neat

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 9121403**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC48886-001	PI-01-TP-RAM1-1	Soil	1	58	Percent			12/15/09	12/14/09	12/11/09
AC48886-002	PI-01-TP-RAN1-1	Soil	1	54	Percent			12/15/09	12/14/09	12/11/09

Analysis Type: SOLIDS-S

Batch Number: SOLIDS-S-3348 **Units:** Percent

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC48884-002	NA	NA	5	80.17728	NA	0.95	

Sam #	Type	MB	Result	Mdl	Per Sol	Raw Result	Tare Wt	Tare Wet	Tare Dry	Prep Date	Prep By	Anal Date	Anal By
AC48884-002	DUP		80			80.177	1.04	13.45	10.99			12/15/09	intern
AC48884-002	Sample		79			79.42	1.04	12.41	10.07			12/15/09	intern
AC48884-003	Sample		79			79.006	1.03	13.51	10.89			12/15/09	intern
AC48884-004	Sample		80			80.446	1.05	13.17	10.8			12/15/09	intern
AC48884-005	Sample		79			79.12	1.03	13.53	10.92			12/15/09	intern
AC48886-001	Sample		58			57.613	1.04	13.19	8.04			12/15/09	intern
AC48886-002	Sample		54			54.12	1.04	13.42	7.74			12/15/09	intern
AC48887-006	Sample		90			89.723	1.04	13.3	12.04			12/15/09	intern
AC48887-007	Sample		88			88.484	1.04	13.11	11.72			12/15/09	intern
AC48887-008	Sample		83			82.977	1.03	12.25	10.34			12/15/09	intern
AC48888-001	Sample		87			87.356	1.03	13.21	11.67			12/15/09	intern
AC48888-002	Sample		81			81.146	1.03	13.07	10.8			12/15/09	intern
AC48888-003	Sample		87			86.761	1.04	13.05	11.46			12/15/09	intern
AC48888-004	Sample		85			84.927	1.04	13.38	11.52			12/15/09	intern
AC48888-005	Sample		86			85.851	1.03	13.54	11.77			12/15/09	intern
AC48888-006	Sample		85			85.123	1.03	13.6	11.73			12/15/09	intern
AC48888-007	Sample		88			87.581	1.05	13.45	11.91			12/15/09	intern
AC48888-008	Sample		86			85.645	1.05	13.38	11.61			12/15/09	intern

12/21/09

Flag Codes: Ra - Recovery failed specified criteria (PVS/MBS/MS/MSD/ICV/CAL) Rp - RPD failed specified criteria.
Na - Not Applicable Nc - Not Checked ..either one or both values =ND